Baseline Water Quality Data

Inventory and Analysis

Great Smoky Mountains National Park

Volume II of II



Water Resources Division and Servicewide Inventory and Monitoring Program

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National Park Service - Department of the Interior
Fort Collins - Denver - Washington

The National Park Service Water Resources Division is responsible for providing water resources management policy and guidelines, planning, technical assistance, training, and operational support to units of the National Park System. Program areas include water rights, water resources planning, regulatory guidance and review, hydrology, water quality, watershed management, watershed studies, and aquatic ecology.

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BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

GREAT SMOKY MOUNTAINS NATIONAL PARK

VOLUME II OF II

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-95/45

MAY 1995

United States Department of the Interior
National Park Service
Washington, D.C.

Station Inventory for Station: GRSM0140

NPS Station ID: GRSM0140 LAT/LON: 35.613337/ -83.743338 Agency: 112WRD Date Created: 02/29/92
Location: LAUREL CR AB TOWNSEND FIPS State/County: 47009 TENNESSEE/BLOUNT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 353648083443600
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 0.80 On/Off RF1:
RF3 Index: 06010204018000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0140

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS SU	10/30/91-10/30/91	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	10/30/91-10/30/91	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/91-10/30/91	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/30/91-10/30/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/30/91-10/30/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/30/91-10/30/91	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/30/91-10/30/91	1	0.78	0.78	0.78	0.78	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	10/30/91-10/30/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/30/91-10/30/91	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/30/91-10/30/91	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	10/30/91-10/30/91	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	10/30/91-10/30/91	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	10/30/91-10/30/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)	10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0140

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0141

NPS Station ID: GRSM0141 LAT/LON: 35.613615/ -83.268059
Location: TRIBUTARY TO ENLOE CREEK 0.62
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0350 0080
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 12.50 00.62 00.01
HUC: 06010203 Depth of Water: 0
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0
Minor Basin: UNNAMED TRIBUTARY 0.01
RF1 Index: 06010203 RF1 Mile Point: 0.000
RF3 Index: 06010203005001.00 RF3 Mile Point: 5.10
Description:

Agency: 131TVAC Date Created: 01/09/82
FIPS State/County: 37173 NORTH CAROLINA/SWAIN
STORET Station ID(s): 370027

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 9.60 On/Off RF1:
Distance from RF3: 0.21 On/Off RF3:

Parameter Inventory for Station: GRSM0141

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		12/02/81-12/02/81	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		12/02/81-12/02/81	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	12/02/81-12/02/81	1	11.8	11.8	11.8	11.8	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		12/02/81-12/02/81	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		12/02/81-12/02/81	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		12/02/81-12/02/81	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0141

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400 PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0142

NPS Station ID: GRSM0142 LAT/LON: 35.613892/ -83.270281 Agency: 131TVAC Date Created: 01/09/82
Location: TRIBUTARY TO RAVEN FORK 12.50 FIPS State/County: 37173 NORTH CAROLINA/SWAIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 370024
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0350
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 12.50 00.75
HUC: 06010203 Depth of Water: 0 Aquifer:
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0 Water Body Id:
Minor Basin: ENLOE CREEK 0.75 ECO Region:
RF1 Index: 06010203 RF1 Mile Point: 0.000 Distance from RF1: 8.60 On/Off RF1:
RF3 Index: 06010203006700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0142

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		12/02/81-03/24/82	2	6.05	6.05	6.7	5.4	0.845	0.919	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		12/02/81-03/24/82	2	10.	10.	10.	10.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED	MG/L	12/02/81-03/24/82	2	12.05	12.05	12.3	11.8	0.125	0.354	**	**	**	**
00400	PH (STANDARD UNITS)		12/02/81-03/24/82	2	5.5	5.5	5.7	5.3	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)		12/02/81-03/24/82	2	5.455	5.455	5.7	5.3	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		12/02/81-03/24/82	2	3.504	3.504	5.012	1.995	4.55	2.133	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	12/02/81-12/02/81	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS		12/02/81-12/02/81	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		12/02/81-12/02/81	1	1.995	1.995	1.995	1.995	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		12/02/81-12/02/81	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		12/02/81-12/02/81	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00435	ACIDITY, TOTAL (MG/L AS CACO3)		12/02/81-12/02/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		12/02/81-12/02/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)		12/02/81-12/02/81	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)		12/02/81-12/02/81	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)		12/02/81-12/02/81	1	0.81	0.81	0.81	0.81	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)		12/02/81-12/02/81	1	0.63	0.63	0.63	0.63	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	12/02/81-12/02/81	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)		12/02/81-12/02/81	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)		12/02/81-12/02/81	1	42.	42.	42.	42.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)		12/02/81-12/02/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)		12/02/81-12/02/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)		12/02/81-12/02/81	1	70.	70.	70.	70.	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)		12/02/81-12/02/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		12/02/81-12/02/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70508	ACIDITY, TOTAL, HOT (MG/L AS CACO3)		12/02/81-12/02/81	1	11.	11.	11.	11.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0142

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00	2	0	0.00									
00400	PH	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
		Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0142

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0143

NPS Station ID: GRSM0143 LAT/LON: 35.614448/ -83.249726 Agency: 131TVAC Date Created: 04/17/82
Location: TRIBUTARY TO RAVEN FORK 13.19
FIPS State/County: 37173 NORTH CAROLINA/SWAIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 370035
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0380
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 13.19 00.03
HUC: 06010203 Depth of Water: 0 Aquifer:
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0 Water Body Id:
Minor Basin: UNNAMED TRIBUTARY 0.03 ECO Region:
RF1 Index: 06010203034 RF1 Mile Point: 4.670 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010203003403.99 RF3 Mile Point: 5.68 Distance from RF3: 0.41 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0143

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/82-03/22/82	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/22/82-03/22/82	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/22/82-03/22/82	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/22/82-03/22/82	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/22/82-03/22/82	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/82-03/22/82	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/22/82-03/22/82	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/22/82-03/22/82	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/82-03/22/82	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/82-03/22/82	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	03/22/82-03/22/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/22/82-03/22/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/22/82-03/22/82	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/22/82-03/22/82	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/22/82-03/22/82	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/22/82-03/22/82	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/22/82-03/22/82	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/22/82-03/22/82	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/22/82-03/22/82	1	0.96	0.96	0.96	0.96	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/22/82-03/22/82	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/22/82-03/22/82	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/22/82-03/22/82	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/22/82-03/22/82	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/22/82-03/22/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	03/22/82-03/22/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/22/82-03/22/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/22/82-03/22/82	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/22/82-03/22/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/22/82-03/22/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/22/82-03/22/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/22/82-03/22/82	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/22/82-03/22/82	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
32023	ACIDS, STRONG	03/22/82-03/22/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32024	ACIDS, WEAK	03/22/82-03/22/82	1	50.	50.	50.	50.	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/22/82-03/22/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/22/82-03/22/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	03/22/82-03/22/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/22/82-03/22/82	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0143

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900 MERCURY, TOTAL (UG/L AS HG)	03/22/82-03/22/82	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0143

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400 PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
	Drinking Water	1300.	1	0	0.00	1	0	0.00									
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
	Drinking Water	100.	1	0	0.00	1	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0144

NPS Station ID: GRSM0144 LAT/LON: 35.616670/ -83.668615 Agency: 112WRD Date Created: / /
Location: LYNN CAMP PRONG NR BLANKET MT TENN FIPS State/County: 47009 TENNESSEE/BLOUNT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03497240
RMI-Indexes:
RMI-Miles:
HUC: 06010201 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010201002508.63 RF3 Mile Point: 10.23 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0144

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY	CFS	09/25/68-09/25/68	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		09/25/68-09/25/68	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		09/25/68-09/25/68	1	-15.	15.	15.	15.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		09/25/68-09/25/68	1	-5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		09/25/68-09/25/68	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/25/68-09/25/68	1	3.162	3.162	3.162	3.162	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		09/25/68-09/25/68	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		09/25/68-09/25/68	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)		09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		09/25/68-09/25/68	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		09/25/68-09/25/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		09/25/68-09/25/68	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		09/25/68-09/25/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO		09/25/68-09/25/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932 SODIUM, PERCENT		09/25/68-09/25/68	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		09/25/68-09/25/68	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	09/25/68-09/25/68	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		09/25/68-09/25/68	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		09/25/68-09/25/68	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		09/25/68-09/25/68	1	30.	30.	30.	30.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		09/25/68-09/25/68	1	18.	18.	18.	18.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)		09/25/68-09/25/68	1	16.	16.	16.	16.	0.	0.	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY		09/25/68-09/25/68	1	0.22	0.22	0.22	0.22	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT		09/25/68-09/25/68	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		09/25/68-09/25/68	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0144

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0145

NPS Station ID: GRSM0145 LAT/LON: 35.618615/ -83.249726 Agency: 131TVAC Date Created: 04/17/82
Location: TRIBUTARY TO RAVEN FORK 13.49
FIPS State/County: 37173 NORTH CAROLINA/SWAIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 370033
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0400
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 13.49 00.02
HUC: 06010203 Depth of Water: 0 Aquifer:
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0 Water Body Id:
Minor Basin: JONES CREEK 0.02 ECO Region:
RF1 Index: 06010203034 RF1 Mile Point: 4.910 Distance from RF1: 11.50 On/Off RF1: OFF
RF3 Index: 06010203016100.00 RF3 Mile Point: 0.26 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0145

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/22/82-03/22/82	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/22/82-03/22/82	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	03/22/82-03/22/82	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	03/22/82-03/22/82	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	03/22/82-03/22/82	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/82-03/22/82	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	03/22/82-03/22/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	03/22/82-03/22/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/22/82-03/22/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	03/22/82-03/22/82	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	03/22/82-03/22/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/22/82-03/22/82	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/22/82-03/22/82	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	03/22/82-03/22/82	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	03/22/82-03/22/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/22/82-03/22/82	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS CA)	03/22/82-03/22/82	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	03/22/82-03/22/82	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)	03/22/82-03/22/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	03/22/82-03/22/82	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	03/22/82-03/22/82	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	03/22/82-03/22/82	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	03/22/82-03/22/82	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	03/22/82-03/22/82	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00956 SILICA, TOTAL (MG/L AS SIO2)	03/22/82-03/22/82	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	03/22/82-03/22/82	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	03/22/82-03/22/82	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	03/22/82-03/22/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	03/22/82-03/22/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/22/82-03/22/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	03/22/82-03/22/82	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	03/22/82-03/22/82	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
32023 ACIDS, STRONG	03/22/82-03/22/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32024 ACIDS, WEAK	03/22/82-03/22/82	1	50.	50.	50.	50.	0.	0.	**	**	**	**
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/22/82-03/22/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/22/82-03/22/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
71845 NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	03/22/82-03/22/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/22/82-03/22/82	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0145

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900 MERCURY, TOTAL (UG/L AS HG)	03/22/82-03/22/82	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0145

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400 PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									
01042 COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	1	1.00									
	Drinking Water	1300.	1	0	0.00	1	0	0.00									
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
	Drinking Water	100.	1	0	0.00	1	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0146

NPS Station ID: GRSM0146 LAT/LON: 35.618615/ -83.278892 Agency: 131TVAC Date Created: 04/17/82
Location: TRIBUTARY TO RAVEN FORK 12.5
FIPS State/County: 37173 NORTH CAROLINA/SWAIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 370037
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0350
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 12.50 01.42
HUC: 06010203 Depth of Water: 0 Aquifer:
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0 Water Body Id:
Minor Basin: ENLOE CREEK 1.42 ECO Region:
RF1 Index: 06010203 RF1 Mile Point: 0.000 Distance from RF1: 11.00 On/Off RF1:
RF3 Index: 06010203005000.00 RF3 Mile Point: 0.90 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0146

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/24/82-03/24/82	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/24/82-03/24/82	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	03/24/82-03/24/82	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	03/24/82-03/24/82	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	03/24/82-03/24/82	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/24/82-03/24/82	1	1.995	1.995	1.995	1.995	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	03/24/82-03/24/82	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	03/24/82-03/24/82	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/24/82-03/24/82	1	5.012	5.012	5.012	5.012	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	03/24/82-03/24/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	03/24/82-03/24/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/24/82-03/24/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/82-03/24/82	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	03/24/82-03/24/82	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	03/24/82-03/24/82	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/24/82-03/24/82	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS CA)	03/24/82-03/24/82	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	03/24/82-03/24/82	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)	03/24/82-03/24/82	1	0.76	0.76	0.76	0.76	0.	0.	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	03/24/82-03/24/82	1	0.32	0.32	0.32	0.32	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	03/24/82-03/24/82	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	03/24/82-03/24/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	03/24/82-03/24/82	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	03/24/82-03/24/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00956 SILICA, TOTAL (MG/L AS SIO2)	03/24/82-03/24/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	03/24/82-03/24/82	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	03/24/82-03/24/82	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	03/24/82-03/24/82	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	03/24/82-03/24/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/24/82-03/24/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	03/24/82-03/24/82	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	03/24/82-03/24/82	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
32023 ACIDS, STRONG	03/24/82-03/24/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
32024 ACIDS, WEAK	03/24/82-03/24/82	1	50.	50.	50.	50.	0.	0.	**	**	**	**
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/24/82-03/24/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/24/82-03/24/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
71845 NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	03/24/82-03/24/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/24/82-03/24/82	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0146

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900 MERCURY, TOTAL (UG/L AS HG)	03/24/82-03/24/82	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0146

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400 PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
	Drinking Water	1300.	1	0	0.00	1	0	0.00									
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
	Drinking Water	100.	1	0	0.00	1	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0147

NPS Station ID: GRSM0147 LAT/LON: 35.618892/ -83.539449 Agency: 112WRD Date Created: 03/21/92
Location: FISH CAMP PRONG AB ELKMONT FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 353708083322200
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 1.50 On/Off RF1:
RF3 Index: 06010201008600.00 RF3 Mile Point: 1.87 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0147

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/29/91-10/29/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/29/91-10/29/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/29/91-10/29/91	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/29/91-10/29/91	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/29/91-10/29/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/29/91-10/29/91	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/29/91-10/29/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/29/91-10/29/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/29/91-10/29/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/29/91-10/29/91	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/29/91-10/29/91	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/29/91-10/29/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/29/91-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0147

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0148

NPS Station ID: GRSM0148 LAT/LON: 35.619171/ -83.278338
Location: TRIBUTARY TO ENLOE CREEK 1.38
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0350 0060
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 12.50 01.38 00.02
HUC: 06010203 Depth of Water: 0
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0
Minor Basin: HIDEAWAY BROOK 0.02
RF1 Index: 06010203 RF1 Mile Point: 0.000
RF3 Index: 06010203003403.99 RF3 Mile Point: 5.96
Description:

Agency: 131TVAC Date Created: 04/17/82
FIPS State/County: 37173 NORTH CAROLINA/SWAIN
STORET Station ID(s): 370036

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00 On/Off RF1:
Distance from RF3: 0.07 On/Off RF3:

Parameter Inventory for Station: GRSM0148

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/24/82-03/24/82	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/24/82-03/24/82	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/24/82-03/24/82	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		03/24/82-03/24/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		03/24/82-03/24/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/24/82-03/24/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	03/24/82-03/24/82	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		03/24/82-03/24/82	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/24/82-03/24/82	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		03/24/82-03/24/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)		03/24/82-03/24/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		03/24/82-03/24/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/24/82-03/24/82	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS P04)		03/24/82-03/24/82	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		03/24/82-03/24/82	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)		03/24/82-03/24/82	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS CA)		03/24/82-03/24/82	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)		03/24/82-03/24/82	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)		03/24/82-03/24/82	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)		03/24/82-03/24/82	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	03/24/82-03/24/82	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS S04)		03/24/82-03/24/82	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		03/24/82-03/24/82	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		03/24/82-03/24/82	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00956 SILICA, TOTAL (MG/L AS SI02)		03/24/82-03/24/82	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		03/24/82-03/24/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		03/24/82-03/24/82	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		03/24/82-03/24/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)		03/24/82-03/24/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		03/24/82-03/24/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)		03/24/82-03/24/82	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)		03/24/82-03/24/82	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
32023 ACIDS, STRONG		03/24/82-03/24/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32024 ACIDS, WEAK		03/24/82-03/24/82	1	40.	40.	40.	40.	0.	0.	**	**	**	**
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)		03/24/82-03/24/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		03/24/82-03/24/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
71845 NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)		03/24/82-03/24/82	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)		03/24/82-03/24/82	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0148

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900 MERCURY, TOTAL (UG/L AS HG)	03/24/82-03/24/82	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0148

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400 PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
	Drinking Water	1300.	1	0	0.00	1	0	0.00									
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
	Drinking Water	100.	1	0	0.00	1	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0149

NPS Station ID: GRSM0149 LAT/LON: 35.619171/ -83.537503 Agency: 112WRD Date Created: 02/29/92
Location: LITTLE R AB FISH CAMP PRONG AB ELKMONT FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 353709083321500
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 0.50 On/Off RF1:
RF3 Index: 06010201008601.44 RF3 Mile Point: 1.43 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0149

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/29/91-10/29/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/29/91-10/29/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/29/91-10/29/91	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/29/91-10/29/91	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/29/91-10/29/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/29/91-10/29/91	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/29/91-10/29/91	1	0.49	0.49	0.49	0.49	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/29/91-10/29/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/29/91-10/29/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/29/91-10/29/91	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		10/29/91-10/29/91	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/29/91-10/29/91	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/29/91-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0149

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0150

NPS Station ID: GRSM0150 LAT/LON: 35.621670/ -83.211393 Agency: 131TVAC Date Created: 04/17/82
Location: TRIBUTARY TO RAVEN FORK 8.38 FIPS State/County: 37173 NORTH CAROLINA/SWAIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 370039
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0200
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 08.38 04.98
HUC: 06010203 Depth of Water: 0 Aquifer:
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0 Water Body Id:
Minor Basin: STRAIGHT FORK 4.98 ECO Region:
RF1 Index: 06010203033 RF1 Mile Point: 5.070 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010203003303.29 RF3 Mile Point: 3.32 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0150

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/82-03/26/82	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/82-03/26/82	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/26/82-03/26/82	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/26/82-03/26/82	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/26/82-03/26/82	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/82-03/26/82	1	1.585	1.585	1.585	1.585	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/26/82-03/26/82	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/26/82-03/26/82	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/26/82-03/26/82	1	1.585	1.585	1.585	1.585	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/26/82-03/26/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	03/26/82-03/26/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/26/82-03/26/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/82-03/26/82	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/26/82-03/26/82	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/26/82-03/26/82	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/26/82-03/26/82	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/26/82-03/26/82	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/26/82-03/26/82	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/26/82-03/26/82	1	0.93	0.93	0.93	0.93	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/26/82-03/26/82	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/26/82-03/26/82	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/26/82-03/26/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/26/82-03/26/82	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/26/82-03/26/82	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	03/26/82-03/26/82	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/26/82-03/26/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/26/82-03/26/82	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/26/82-03/26/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/26/82-03/26/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/26/82-03/26/82	1	35.	35.	35.	35.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/26/82-03/26/82	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/26/82-03/26/82	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
32023	ACIDS, STRONG	03/26/82-03/26/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32024	ACIDS, WEAK	03/26/82-03/26/82	1	50.	50.	50.	50.	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/26/82-03/26/82	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/26/82-03/26/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	03/26/82-03/26/82	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/26/82-03/26/82	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0150

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900 MERCURY, TOTAL (UG/L AS HG)	03/26/82-03/26/82	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0150

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400 PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
	Drinking Water	1300.	1	0	0.00	1	0	0.00									
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
	Drinking Water	100.	1	0	0.00	1	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0151

NPS Station ID: GRSM0151 LAT/LON: 35.625005/ -83.115282 Agency: 21NC01WQ Date Created: 01/25/79
Location: ROUGHFORK CK NR CATALOOCHEE NC INACT-791024 FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): E6426000 /FRB0492A
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 15.70 On/Off RF1:
RF3 Index: 06010106004200.71 RF3 Mile Point: 0.95 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0151

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/79-04/11/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/11/79-04/11/79	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/79-04/11/79	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	04/11/79-04/11/79	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	04/11/79-10/24/79	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	04/11/79-10/24/79	3	6.7	6.7	6.9	6.5	0.04	0.2	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	04/11/79-10/24/79	3	6.7	6.67	6.9	6.5	0.041	0.203	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/79-10/24/79	3	0.2	0.214	0.316	0.126	0.009	0.096	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	07/10/79-10/24/79	2	22.5	22.5	23.	22.	0.5	0.707	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-10/24/79	2##	7.25	7.25	14.	0.5	91.125	9.546	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	07/10/79-10/24/79	2	15.5	15.5	23.	8.	112.5	10.607	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/79-10/24/79	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-10/24/79	2##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-10/24/79	2##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/28/78-10/24/79	3##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/28/78-10/24/79	3##	0.05	0.1	0.2	0.05	0.008	0.087	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/28/78-10/24/79	3	0.19	0.27	0.49	0.13	0.037	0.193	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/28/78-04/11/79	2##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/28/78-11/28/78	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/28/78-11/28/78	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/28/78-11/28/78	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037 COBALT, TOTAL (UG/L AS CO)	11/28/78-11/28/78	2##	27.	27.	50.	4.	1058.	32.527	**	**	**	**
01039 COPPER, TOTAL IN BOTTOM DEPOSITS (MG/KG,WT WGT)	11/28/78-11/28/78	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/28/78-11/28/78	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	11/28/78-11/28/78	2##	8025.	8025.	16000.	50.	127201250.	11278.353	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/28/78-11/28/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/28/78-11/28/78	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	11/28/78-11/28/78	2	90.	90.	120.	60.	1800.	42.426	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/28/78-11/28/78	2	58.5	58.5	70.	47.	264.5	16.263	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/79-10/24/79	3	5.	13.333	34.	1.	324.333	18.009	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/79-10/24/79	3	0.699	0.743	1.531	0.	0.588	0.767	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =	5.54									
39064 CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39067 CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39073 CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0151

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/28/78-11/28/78	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	250.	250.	250.	250.	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39811	CHLORDANE,GAMMA,IN BOTTOM DEPOS(UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/28/78-04/11/79	2##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/28/78-11/28/78	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/28/78-11/28/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0151

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00												
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	3	1	0.33	1	0	0.00	2	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00	2	1	0.50						
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00												
		Drinking Water	5.	0&	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	1	1.00									
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	0&	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00	2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0152

NPS Station ID: GRSM0152 LAT/LON: 35.627503/ -83.541115 Agency: 12NSS Date Created: 10/22/88
Location: LITTLE RIVER
FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2A07810U /2AS2A07810U
RMI-Indexes:
RMI-Miles:
HUC: 06010201 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 811 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010201 RF1 Mile Point: 0.000 Distance from RF1: 0.30 On/Off RF1:
RF3 Index: 06010201003213.89 RF3 Mile Point: 18.90 Distance from RF3: 0.06 On/Off RF3:
Description:

THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN:

Parameter Inventory for Station: GRSM0152

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/10/85-07/10/85	1	15.7	15.7	15.7	15.7	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	07/10/85-07/10/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/10/85-07/10/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/10/85-07/10/85	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/10/85-07/10/85	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/10/85-07/10/85	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/10/85-07/10/85	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/10/85-07/10/85	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	07/10/85-07/10/85	1	66.2	66.2	66.2	66.2	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/10/85-07/10/85	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/10/85-07/10/85	1	0.007	0.007	0.007	0.007	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/10/85-07/10/85	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	07/10/85-07/10/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/10/85-07/10/85	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/10/85-07/10/85	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/10/85-07/10/85	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/10/85-07/10/85	1	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/10/85-07/10/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/10/85-07/10/85	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/10/85-07/10/85	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)	07/10/85-07/10/85	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/10/85-07/10/85	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/10/85-07/10/85	1	32.	32.	32.	32.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/10/85-07/10/85	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	07/10/85-07/10/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	07/10/85-07/10/85	1	2660.	2660.	2660.	2660.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/10/85-07/10/85	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	07/10/85-07/10/85	1	25.	25.	25.	25.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0152

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00				1	1	1.00						
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0153

NPS Station ID: GRSM0153 LAT/LON: 35.628060/ -83.705282 Agency: 112WRD Date Created: 02/29/92
Location: WEST PRONG AB LAUREL CR AB TOWNSEND FIPS State/County: 47009 TENNESSEE/BLOUNT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 353741083421900
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 10.10 On/Off RF1:
RF3 Index: 06010201080803.33 RF3 Mile Point: 3.32 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0153

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS SU	10/30/91-10/30/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	10/30/91-10/30/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/91-10/30/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/30/91-10/30/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/30/91-10/30/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/30/91-10/30/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/30/91-10/30/91	1	0.64	0.64	0.64	0.64	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	10/30/91-10/30/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/30/91-10/30/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/30/91-10/30/91	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	10/30/91-10/30/91	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	10/30/91-10/30/91	1	39.	39.	39.	39.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	10/30/91-10/30/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)	10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0153

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0154

NPS Station ID: GRSM0154
Location: CALDWELL FORK NR NELLIE
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC:
Major Basin:
Minor Basin:
RF1 Index:
RF3 Index: 06010106048401.62
Description:

LAT/LON: 35.628893/ -83.088615
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 2.20

Agency: 112WRD
Date Created: 02/29/92
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
STORET Station ID(s): 353744083051900
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 13.30
Distance from RF3: 0.02
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: GRSM0154

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/31/91-10/31/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/31/91-10/31/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/31/91-10/31/91	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/31/91-10/31/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/31/91-10/31/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/31/91-10/31/91	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/31/91-10/31/91	1	0.61	0.61	0.61	0.61	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/31/91-10/31/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/31/91-10/31/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/31/91-10/31/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/31/91-10/31/91	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/31/91-10/31/91	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/31/91-10/31/91	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0154

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0155

NPS Station ID: GRSM0155 LAT/LON: 35.629170/ -83.116670 Agency: 21NC01WQ Date Created: 01/25/79
Location: PALMER CK @ SR1164 NR CATALOOCHEE INACT-791024 FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): E6425000 /FRB0491A
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010106002203.05 RF3 Mile Point: 3.04 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0155

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/79-04/11/79	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/11/79-04/11/79	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/79-04/11/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	04/11/79-04/11/79	1	10.3	10.3	10.3	10.3	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	04/11/79-10/24/79	3##	5.	7.667	13.	5.	21.333	4.619	**	**	**	**
00400 PH (STANDARD UNITS)	04/11/79-10/24/79	3	6.6	6.633	6.8	6.5	0.023	0.153	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	04/11/79-10/24/79	3	6.6	6.616	6.8	6.5	0.024	0.154	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/79-10/24/79	3	0.251	0.242	0.316	0.158	0.006	0.079	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	07/10/79-10/24/79	2	16.5	16.5	19.	14.	12.5	3.536	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-10/24/79	2##	7.75	7.75	15.	0.5	105.125	10.253	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	07/10/79-10/24/79	2	9.	9.	14.	4.	50.	7.071	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/79-10/24/79	3	5.	6.333	10.	4.	10.333	3.215	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-10/24/79	2##	3.25	3.25	6.	0.5	15.125	3.889	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-10/24/79	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/28/78-10/24/79	3##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/28/78-10/24/79	3##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/28/78-10/24/79	3	0.13	0.148	0.29	0.025	0.018	0.133	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/28/78-04/11/79	2##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/28/78-11/28/78	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/28/78-11/28/78	1##	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/28/78-11/28/78	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037 COBALT, TOTAL (UG/L AS CO)	11/28/78-11/28/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01039 COPPER, TOTAL IN BOTTOM DEPOSITS (MG/KG,WT WGT)	11/28/78-11/28/78	1	31.	31.	31.	31.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/28/78-11/28/78	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	11/28/78-11/28/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/28/78-11/28/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/28/78-11/28/78	1	4.8	4.8	4.8	4.8	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	11/28/78-11/28/78	1	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/28/78-11/28/78	1	70.	70.	70.	70.	0.	0.	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/79-10/24/79	3	5.	7.	11.	5.	12.	3.464	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		3	0.699	0.813	1.041	0.699	0.039	0.198	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		6.503								
39064 CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39067 CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39073 CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0155

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39076 BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39301 P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39306 O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39311 P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39316 O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39321 P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39328 O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/28/78-11/28/78	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	250.	250.	250.	250.	0.	0.	**	**	**	**
39701 HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39811 CHLORDANE,GAMMA,IN BOTTOM DEPOS(UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/28/78-04/11/79	2##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	11/28/78-11/28/78	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/28/78-11/28/78	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0155

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00												
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00400 PH	Other-Hi Lim.	9.	3	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	3	1	0.33	1	0	0.00	2	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	2	1	0.50						
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	2	0	0.00	1	0	0.00						
	Drinking Water	50.	1	0	0.00	1	0	0.00									
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00	1	0	0.00									
	Drinking Water	5.	0&	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00												
01042 COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	0	0.00									
	Drinking Water	1300.	1	0	0.00	1	1	1.00									
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
	Drinking Water	5.	0&	0	0.00	1	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00												
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00									
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00	2	0	0.00						
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0156

NPS Station ID: GRSM0156 LAT/LON: 35.629448/ -83.116948 Agency: 112WRD Date Created: 02/29/92
Location: PALMER CR AT NELLIE FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 353746083070100
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 0.60 On/Off RF1:
RF3 Index: 06010106001206.42 RF3 Mile Point: 6.42 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0156

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/31/91-10/31/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/31/91-10/31/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/31/91-10/31/91	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/31/91-10/31/91	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/31/91-10/31/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/31/91-10/31/91	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/31/91-10/31/91	1	0.57	0.57	0.57	0.57	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/31/91-10/31/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/31/91-10/31/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/31/91-10/31/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/31/91-10/31/91	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/31/91-10/31/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/31/91-10/31/91	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0156

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0157

NPS Station ID: GRSM0157 LAT/LON: 35.630559/ -83.087503 Agency: 21NC01WQ Date Created: 01/25/79
Location: CALABASH CK 1.2 MI US SR1164 INACT-791024 FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): E6427000 /FRB0493A
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106012 RF1 Mile Point: 6.420 Distance from RF1: 13.50 On/Off RF1: OFF
RF3 Index: 06010106048500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0157

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/79-04/11/79	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/11/79-04/11/79	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/79-04/11/79	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	04/11/79-04/11/79	1	10.4	10.4	10.4	10.4	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	04/11/79-10/24/79	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	04/11/79-10/24/79	3	6.8	6.767	6.8	6.7	0.003	0.058	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	04/11/79-10/24/79	3	6.8	6.764	6.8	6.7	0.003	0.058	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/79-10/24/79	3	0.158	0.172	0.2	0.158	0.001	0.024	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	07/10/79-10/24/79	2	22.5	22.5	25.	20.	12.5	3.536	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-10/24/79	2##	8.75	8.75	17.	0.5	136.125	11.667	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	07/10/79-10/24/79	2	14.	14.	20.	8.	72.	8.485	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/79-10/24/79	3	2.	2.167	4.	0.5	3.083	1.756	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-10/24/79	2##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-10/24/79	2##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/28/78-10/24/79	3##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/28/78-10/24/79	3##	0.05	0.1	0.2	0.05	0.008	0.087	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/28/78-10/24/79	3	0.1	0.085	0.13	0.025	0.003	0.054	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/28/78-04/11/79	2##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/28/78-11/28/78	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/28/78-11/28/78	1##	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/28/78-11/28/78	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037 COBALT, TOTAL (UG/L AS CO)	11/28/78-11/28/78	2##	27.5	27.5	50.	5.	1012.5	31.82	**	**	**	**
01039 COPPER, TOTAL IN BOTTOM DEPOSITS (MG/KG,WT WGT)	11/28/78-11/28/78	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/28/78-11/28/78	1##	20.	20.	20.	20.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	11/28/78-11/28/78	2##	9525.	9525.	19000.	50.	179551250.	13399.674	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/28/78-11/28/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/28/78-11/28/78	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	11/28/78-11/28/78	2##	162.5	162.5	300.	25.	37812.5	194.454	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/28/78-11/28/78	2##	34.5	34.5	44.	25.	180.5	13.435	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/79-10/24/79	3	3.	3.333	5.	2.	2.333	1.528	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/79-10/24/79	3	0.477	0.492	0.699	0.301	0.04	0.199	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		3.107								
39064 CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39067 CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39073 CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0157

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39076 BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39301 P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39306 O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39311 P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39316 O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39321 P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39328 O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/28/78-11/28/78	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	250.	250.	250.	250.	0.	0.	**	**	**	**
39701 HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39811 CHLORDANE,GAMMA,IN BOTTOM DEPOS(UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/28/78-04/11/79	2##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	11/28/78-11/28/78	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/28/78-11/28/78	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0157

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00400 PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
	Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
	Drinking Water	50.	1	0	0.00	1	0	0.00									
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00												
	Drinking Water	5.	0&	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042 COPPER, TOTAL	Fresh Acute	18.	0&	0	0.00												
	Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
	Drinking Water	5.	0&	0	0.00												
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00	2	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0158

NPS Station ID: GRSM0158 LAT/LON: 35.631115/ -83.088337 Agency: 112WRD Date Created: 02/29/92
Location: PALMER CR AT CAMPGROUND NR NELLIE
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 353752083051800
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 15.90 On/Off RF1:
RF3 Index: 06010106004200.71 RF3 Mile Point: 0.95 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0158

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/31/91-10/31/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/31/91-10/31/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/31/91-10/31/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/31/91-10/31/91	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/31/91-10/31/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/31/91-10/31/91	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/31/91-10/31/91	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/31/91-10/31/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/31/91-10/31/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/31/91-10/31/91	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/31/91-10/31/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/31/91-10/31/91	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/31/91-10/31/91	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0158

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0159

NPS Station ID: GRSM0159 LAT/LON: 35.633892/ -83.085004 Agency: 112WRD Date Created: 02/29/92
Location: LOWER DOUBLE BRANCH NR NELLIE
Station Type: /TYPA/AMBNT/STREAM
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
STORET Station ID(s): 353802083050600
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 0.60 On/Off RF1:
RF3 Index: 06010106004200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0159

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/31/91-10/31/91	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/31/91-10/31/91	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/31/91-10/31/91	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/31/91-10/31/91	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/31/91-10/31/91	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/31/91-10/31/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/31/91-10/31/91	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/31/91-10/31/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/31/91-10/31/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/31/91-10/31/91	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/31/91-10/31/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/31/91-10/31/91	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/31/91-10/31/91	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/31/91-10/31/91	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0159

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0160

NPS Station ID: GRSM0160 LAT/LON: 35.636392/ -83.237781
Location: TRIBUTARY TO RAVEN FORK 13.49
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0400
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 13.49 01.42
HUC: 06010203 Depth of Water: 0
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0
Minor Basin: JONES CREEK 1.42
RF1 Index: 06010203 RF1 Mile Point: 0.000
RF3 Index: 06010203004401.71 RF3 Mile Point: 1.73
Description:

Agency: 131TVAC Date Created: 05/08/82
FIPS State/County: 37173 NORTH CAROLINA/SWAIN
STORET Station ID(s): 370043

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 25.60 On/Off RF1:
Distance from RF3: 0.01 On/Off RF3:

Parameter Inventory for Station: GRSM0160

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/20/82-04/20/82	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/20/82-04/20/82	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/20/82-04/20/82	1	11.7	11.7	11.7	11.7	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/20/82-04/20/82	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/20/82-04/20/82	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/20/82-04/20/82	1	1.585	1.585	1.585	1.585	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/20/82-04/20/82	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/20/82-04/20/82	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/20/82-04/20/82	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/20/82-04/20/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	04/20/82-04/20/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/20/82-04/20/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/20/82-04/20/82	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS P04)	04/20/82-04/20/82	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/20/82-04/20/82	1	3.2	3.2	3.2	3.2	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/20/82-04/20/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/20/82-04/20/82	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/20/82-04/20/82	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/20/82-04/20/82	1	0.73	0.73	0.73	0.73	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	04/20/82-04/20/82	1	0.36	0.36	0.36	0.36	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/20/82-04/20/82	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/20/82-04/20/82	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/20/82-04/20/82	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/20/82-04/20/82	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SI02)	04/20/82-04/20/82	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/20/82-04/20/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/20/82-04/20/82	1	110.	110.	110.	110.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/20/82-04/20/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/20/82-04/20/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/20/82-04/20/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/20/82-04/20/82	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/20/82-04/20/82	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
32023	ACIDS, STRONG	04/20/82-04/20/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32024	ACIDS, WEAK	04/20/82-04/20/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	04/20/82-04/20/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/20/82-04/20/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/20/82-04/20/82	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/20/82-04/20/82	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0160

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900 MERCURY, TOTAL (UG/L AS HG)	04/20/82-04/20/82	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0160

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0161

NPS Station ID: GRSM0161 LAT/LON: 35.637226/ -83.492781 Agency: 112WRD Date Created: / /
Location: W P LT PIGEON R NR MT LE CONTE TN
Station Type: /TYPA/AMBNT/STREAM
FIPS State/County: 47155 TENNESSEE/SEVIER
STORET Station ID(s): 03469225
RMI-Indexes:
RMI-Miles:
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107015 RF1 Mile Point: 7.980 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107002101.71 RF3 Mile Point: 2.91 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0161

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY CFS	09/25/68-09/25/68	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	09/25/68-09/25/68	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/25/68-09/25/68	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	09/25/68-09/25/68	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	09/25/68-09/25/68	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/25/68-09/25/68	1	1.585	1.585	1.585	1.585	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	09/25/68-09/25/68	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	09/25/68-09/25/68	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	09/25/68-09/25/68	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/25/68-09/25/68	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	09/25/68-09/25/68	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	09/25/68-09/25/68	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	09/25/68-09/25/68	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	09/25/68-09/25/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	09/25/68-09/25/68	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	09/25/68-09/25/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	09/25/68-09/25/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	09/25/68-09/25/68	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	09/25/68-09/25/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	09/25/68-09/25/68	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/68-09/25/68	1	21.	21.	21.	21.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/25/68-09/25/68	1	14.	14.	14.	14.	0.	0.	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY	09/25/68-09/25/68	1	0.79	0.79	0.79	0.79	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/25/68-09/25/68	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/25/68-09/25/68	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0161

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0162

NPS Station ID: GRSM0162 LAT/LON: 35.638892/ -83.130838 Agency: 112WRD Date Created: 02/29/92
Location: PALMER CR AB PRETTY HOLLOW NR NELLIE
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 353820083075100
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 1.00 On/Off RF1:
RF3 Index: 06010106047200.00 RF3 Mile Point: 0.29 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0162

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/31/91-10/31/91	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/31/91-10/31/91	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/31/91-10/31/91	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/31/91-10/31/91	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/31/91-10/31/91	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/31/91-10/31/91	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/31/91-10/31/91	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/31/91-10/31/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/31/91-10/31/91	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/31/91-10/31/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/31/91-10/31/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/31/91-10/31/91	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/31/91-10/31/91	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0162

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0163

NPS Station ID: GRSM0163 LAT/LON: 35.639448/ -83.240003
Location: TRIBUTARY TO RIGHT FORK 1.03
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0520 0020
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 16.74 01.03 00.37
HUC: 06010203 Depth of Water: 0
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0
Minor Basin: MCGEE SPRINGS 0.37
RF1 Index: 06010203 RF1 Mile Point: 0.000
RF3 Index: 06010203003401.82 RF3 Mile Point: 2.04
Description:

Agency: 131TVAC Date Created: 04/17/82
FIPS State/County: 37173 NORTH CAROLINA/SWAIN
STORET Station ID(s): 370030

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00 On/Off RF1:
Distance from RF3: 0.02 On/Off RF3:

Parameter Inventory for Station: GRSM0163

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/23/82-04/20/82	2	8.6	8.6	8.8	8.4	0.08	0.283	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/23/82-04/20/82	2	14.5	14.5	19.	10.	40.5	6.364	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/23/82-04/20/82	2	9.95	9.95	11.9	8.	7.605	2.758	**	**	**	**
00400	PH (STANDARD UNITS)	03/23/82-04/20/82	2	5.15	5.15	5.3	5.	0.045	0.212	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/23/82-04/20/82	2	5.125	5.125	5.3	5.	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/23/82-04/20/82	2	7.506	7.506	10.	5.012	12.441	3.527	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/23/82-04/20/82	2	5.7	5.7	6.	5.4	0.18	0.424	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/23/82-04/20/82	2	5.604	5.604	6.	5.4	0.199	0.446	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/23/82-04/20/82	2	2.491	2.491	3.981	1.	4.443	2.108	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/23/82-04/20/82	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	03/23/82-04/20/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/23/82-04/20/82	2	8.5	8.5	15.	2.	84.5	9.192	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/23/82-04/20/82	2##	0.108	0.108	0.21	0.005	0.021	0.145	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/23/82-04/20/82	2##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/23/82-04/20/82	2	1.55	1.55	2.2	0.9	0.845	0.919	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/23/82-04/20/82	2##	0.45	0.45	0.8	0.1	0.245	0.495	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/23/82-04/20/82	2	0.8	0.8	0.9	0.7	0.02	0.141	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/23/82-04/20/82	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/23/82-04/20/82	2	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/23/82-04/20/82	2	0.39	0.39	0.47	0.31	0.013	0.113	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/23/82-04/20/82	2	0.45	0.45	0.6	0.3	0.045	0.212	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/23/82-04/20/82	2	0.5	0.5	0.6	0.4	0.02	0.141	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/23/82-04/20/82	2	0.03	0.03	0.04	0.02	0.	0.014	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)	03/23/82-04/20/82	2	2.4	2.4	2.6	2.2	0.08	0.283	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SIO2)	03/23/82-04/20/82	2	2.4	2.4	2.6	2.2	0.08	0.283	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/23/82-04/20/82	2##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/23/82-04/20/82	2	80.	80.	90.	70.	200.	14.142	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/23/82-04/20/82	2##	9.5	9.5	14.	5.	40.5	6.364	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/23/82-04/20/82	2##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/23/82-04/20/82	2##	10.	10.	15.	5.	50.	7.071	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/23/82-04/20/82	2	100.	100.	120.	80.	800.	28.284	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/23/82-04/20/82	2##	25.	25.	25.	25.	0.	0.	**	**	**	**
32023	ACIDS, STRONG	03/23/82-04/20/82	2##	5.	5.	5.	5.	0.	0.	**	**	**	**
32024	ACIDS, WEAK	03/23/82-04/20/82	2	60.	60.	70.	50.	200.	14.142	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/23/82-04/20/82	2	3.	3.	3.	3.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/23/82-04/20/82	2##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	03/23/82-04/20/82	2##	0.153	0.153	0.3	0.005	0.044	0.209	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/23/82-04/20/82	2	1.45	1.45	2.7	0.2	3.125	1.768	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0163

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900 MERCURY, TOTAL (UG/L AS HG)	03/23/82-04/20/82	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0163

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00400 PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
	Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00403 PH, LAB	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
	Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00	1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	1	0	0.00	1	0	0.00						
	Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	2	0	0.00	1	0	0.00	1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
	Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0164

NPS Station ID: GRSM0164 LAT/LON: 35.641392/ -83.690003 Agency: 112WRD Date Created: / /
Location: MI PR LITTLE R AT WALKER FIELDS NR TOWNSEND T
FIPS State/County: 47009 TENNESSEE/BLOUNT
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03497270
RMI-Indexes:
RMI-Miles:
HUC: 06010201 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010201081905.21 RF3 Mile Point: 5.37 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0164

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY CFS	09/25/68-09/25/68	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	09/25/68-09/25/68	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/25/68-09/25/68	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	09/25/68-09/25/68	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	09/25/68-09/25/68	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/25/68-09/25/68	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	09/25/68-09/25/68	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	09/25/68-09/25/68	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	09/25/68-09/25/68	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	09/25/68-09/25/68	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	09/25/68-09/25/68	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	09/25/68-09/25/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	09/25/68-09/25/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	09/25/68-09/25/68	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	09/25/68-09/25/68	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	09/25/68-09/25/68	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	09/25/68-09/25/68	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	09/25/68-09/25/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	09/25/68-09/25/68	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	08/05/68-08/05/68	1	224.	224.	224.	224.	0.	0.	**	**	**	**
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	08/05/68-08/05/68	1	2.35	2.35	2.35	2.35	0.	0.	**	**	**	**
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3			GEOMETRIC MEAN =	224.								
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/68-09/25/68	1	22.	22.	22.	22.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/25/68-09/25/68	1	17.	17.	17.	17.	0.	0.	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY	09/25/68-09/25/68	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/25/68-09/25/68	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/25/68-09/25/68	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0164

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0165

NPS Station ID: GRSM0165 LAT/LON: 35.641948/ -83.128893 Agency: 112WRD Date Created: 02/29/92
Location: PRETTY HOLLOW NR NELLIE FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 353831083074400
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 25.50 On/Off RF1:
RF3 Index: 06010106004201.42 RF3 Mile Point: 1.41 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0165

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/31/91-10/31/91	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/31/91-10/31/91	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/31/91-10/31/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/31/91-10/31/91	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/31/91-10/31/91	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/31/91-10/31/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/31/91-10/31/91	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/31/91-10/31/91	1	0.54	0.54	0.54	0.54	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/31/91-10/31/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/31/91-10/31/91	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/31/91-10/31/91	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/31/91-10/31/91	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/31/91-10/31/91	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0165

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0166

NPS Station ID: GRSM0166 LAT/LON: 35.642226/ -83.244727
Location: TRIBUTARY TO RIGHT FORK 1.03
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0520 0020
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 16.74 01.03 00.03
HUC: 06010203 Depth of Water: 0
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0
Minor Basin: MCGEE SPRINGS 0.03
RF1 Index: 06010203 RF1 Mile Point: 0.000
RF3 Index: 06010203006800.00 RF3 Mile Point: 0.00
Description:

Agency: 131TVAC Date Created: 04/17/82
FIPS State/County: 37173 NORTH CAROLINA/SWAIN
STORET Station ID(s): 370031

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 11.70 On/Off RF1:
Distance from RF3: 0.01 On/Off RF3:

Parameter Inventory for Station: GRSM0166

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/23/82-03/23/82	1	5.4	5.4	5.4	5.4	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/23/82-03/23/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/23/82-03/23/82	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		03/23/82-03/23/82	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		03/23/82-03/23/82	1	5.7	5.7	5.7	5.7	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/23/82-03/23/82	1	1.995	1.995	1.995	1.995	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0166

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400 PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0167

NPS Station ID: GRSM0167 LAT/LON: 35.642226/ -83.252781 Agency: 131TVAC Date Created: 05/08/82
Location: TRIBUTARY TO RAVEN FORK 16.74 ABOVE RAPID CREEK FIPS State/County: 37173 NORTH CAROLINA/SWAIN
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 370044
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0520
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 16.74 00.58
HUC: 06010203 Depth of Water: 0 Aquifer:
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0 Water Body Id:
Minor Basin: RIGHT FORK 0.58 ECO Region:
RF1 Index: 06010203 RF1 Mile Point: 0.000 Distance from RF1: 10.90 On/Off RF1:
RF3 Index: 06010203015900.00 RF3 Mile Point: 1.19 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0167

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/21/82-04/21/82	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/21/82-04/21/82	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/21/82-04/21/82	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/21/82-04/21/82	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/21/82-04/21/82	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/21/82-04/21/82	1	3.162	3.162	3.162	3.162	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/21/82-04/21/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/21/82-04/21/82	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/21/82-04/21/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/21/82-04/21/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	04/21/82-04/21/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/21/82-04/21/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/21/82-04/21/82	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	04/21/82-04/21/82	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/21/82-04/21/82	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/21/82-04/21/82	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00745	SULFIDE, TOTAL (MG/L AS S)	04/21/82-04/21/82	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	04/21/82-04/21/82	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	04/21/82-04/21/82	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	04/21/82-04/21/82	1	0.68	0.68	0.68	0.68	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	04/21/82-04/21/82	1	0.35	0.35	0.35	0.35	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/21/82-04/21/82	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	04/21/82-04/21/82	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	04/21/82-04/21/82	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)	04/21/82-04/21/82	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SIO2)	04/21/82-04/21/82	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/21/82-04/21/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/21/82-04/21/82	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/21/82-04/21/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/21/82-04/21/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/21/82-04/21/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/21/82-04/21/82	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	04/21/82-04/21/82	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
32023	ACIDS, STRONG	04/21/82-04/21/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32024	ACIDS, WEAK	04/21/82-04/21/82	1	40.	40.	40.	40.	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	04/21/82-04/21/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/82-04/21/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/21/82-04/21/82	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0167

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/21/82-04/21/82	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	04/21/82-04/21/82	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0167

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0168

NPS Station ID: GRSM0168 LAT/LON: 35.642781/ -83.253060 Agency: 131TVAC Date Created: 05/08/82
Location: TRIBUTARY TO RIGHT FORK 0.56
Station Type: /TYPA/AMBNT/STREAM FIPS State/County: 37173 NORTH CAROLINA/SWAIN
STORET Station ID(s): 370045
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0520 0010
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 16.74 00.56 00.01
HUC: 06010203 Depth of Water: 0 Aquifer:
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0 Water Body Id:
Minor Basin: RAPID CREEK 0.01 ECO Region:
RF1 Index: 06010203 RF1 Mile Point: 0.000 Distance from RF1: 7.10 On/Off RF1:
RF3 Index: 06010203016100.00 RF3 Mile Point: 0.04 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0168

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/21/82-04/21/82	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/21/82-04/21/82	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	04/21/82-04/21/82	1	12.1	12.1	12.1	12.1	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	04/21/82-04/21/82	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	04/21/82-04/21/82	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/21/82-04/21/82	1	3.162	3.162	3.162	3.162	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	04/21/82-04/21/82	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	04/21/82-04/21/82	1	6.2	6.2	6.2	6.2	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/21/82-04/21/82	1	0.631	0.631	0.631	0.631	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	04/21/82-04/21/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	04/21/82-04/21/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/21/82-04/21/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/21/82-04/21/82	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS P04)	04/21/82-04/21/82	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	04/21/82-04/21/82	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)	04/21/82-04/21/82	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS CA)	04/21/82-04/21/82	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	04/21/82-04/21/82	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)	04/21/82-04/21/82	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00937 POTASSIUM, TOTAL MG/L AS K)	04/21/82-04/21/82	1	0.42	0.42	0.42	0.42	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	04/21/82-04/21/82	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS S04)	04/21/82-04/21/82	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	04/21/82-04/21/82	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	04/21/82-04/21/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00956 SILICA, TOTAL (MG/L AS SI02)	04/21/82-04/21/82	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	04/21/82-04/21/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	04/21/82-04/21/82	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	04/21/82-04/21/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	04/21/82-04/21/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	04/21/82-04/21/82	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	04/21/82-04/21/82	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	04/21/82-04/21/82	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
32023 ACIDS, STRONG	04/21/82-04/21/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32024 ACIDS, WEAK	04/21/82-04/21/82	1	30.	30.	30.	30.	0.	0.	**	**	**	**
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	04/21/82-04/21/82	1	2.	2.	2.	2.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/21/82-04/21/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71845 NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/21/82-04/21/82	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)	04/21/82-04/21/82	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0168

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900 MERCURY, TOTAL (UG/L AS HG)	04/21/82-04/21/82	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0168

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0169

NPS Station ID: GRSM0169 LAT/LON: 35.643059/ -83.244727 Agency: 131TVAC Date Created: 04/17/82
Location: TRIBUTARY TO RAVEN FORK 16.74
FIPS State/County: 37173 NORTH CAROLINA/SWAIN
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 370032
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0520
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 16.74 01.09
HUC: 06010203 Depth of Water: 0 Aquifer:
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0 Water Body Id:
Minor Basin: RIGHT FORK 1.09 ECO Region:
RF1 Index: 06010203 RF1 Mile Point: 0.000 Distance from RF1: 11.60 On/Off RF1:
RF3 Index: 06010203016100.00 RF3 Mile Point: 0.49 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0169

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/23/82-03/23/82	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/23/82-03/23/82	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/23/82-03/23/82	1	10.1	10.1	10.1	10.1	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		03/23/82-03/23/82	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		03/23/82-03/23/82	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/23/82-03/23/82	1	3.162	3.162	3.162	3.162	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0169

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00									
00400 PH	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0170

NPS Station ID: GRSM0170
Location: JAKES CR NR ELKMONT
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC:
Major Basin:
Minor Basin:
RF1 Index:
RF3 Index: 06010201003227.98
Description:

LAT/LON: 35.643059/ -83.585560
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.000
RF3 Mile Point: 28.31

Agency: 112WRD
Date Created: 02/29/92
FIPS State/County: 47155 TENNESSEE/SEVIER
STORET Station ID(s): 353835083350800
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.20
Distance from RF3: 0.01
On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: GRSM0170

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/29/91-10/29/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/29/91-10/29/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/29/91-10/29/91	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/29/91-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/29/91-10/29/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/29/91-10/29/91	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/29/91-10/29/91	1	0.53	0.53	0.53	0.53	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/29/91-10/29/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/29/91-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/29/91-10/29/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/29/91-10/29/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/29/91-10/29/91	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/29/91-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0170

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0171

NPS Station ID: GRSM0171 LAT/LON: 35.643616/ -83.591670 Agency: 21TNWQ Date Created: 09/11/82
Location: W PRONG LITTLE PIGEON R 7.7 QUAD 156SE FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS17
RMI-Indexes: 1021500 007720 00920 9300 1120 0220
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 007.70
HUC: 06010201 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010107001006.44 RF3 Mile Point: 6.44 Distance from RF3: 0.09 On/Off RF3:
Description:
100 YDS BELOW PIGEON FORGE WWTP WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0171

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/15/81-07/23/81	4	18.	17.2	24.8	8.	48.56	6.969	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/15/81-07/23/81	4	9.2	9.025	10.4	7.3	1.703	1.305	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/15/81-07/23/81	4	1.	1.2	1.8	1.	0.16	0.4	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	04/15/81-07/23/81	4	5.	7.	13.	5.	16.	4.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	04/15/81-07/23/81	4	7.2	7.325	7.7	7.2	0.063	0.25	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		04/15/81-07/23/81	4	7.2	7.281	7.7	7.2	0.065	0.255	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/15/81-07/23/81	4	0.063	0.052	0.063	0.02	0.	0.022	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/15/81-07/23/81	4	0.1	0.118	0.21	0.06	0.004	0.064	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		04/15/81-07/23/81	4	0.725	0.752	1.3	0.26	0.204	0.452	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		04/15/81-07/23/81	4	0.3	0.45	1.1	0.1	0.203	0.451	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/15/81-07/23/81	4	0.075	0.188	0.56	0.04	0.062	0.249	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		07/23/81-07/23/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		07/23/81-07/23/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		07/23/81-07/23/81	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		07/23/81-07/23/81	1	1400.	1400.	1400.	1400.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		07/23/81-07/23/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		07/23/81-07/23/81	1	67.	67.	67.	67.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)		07/23/81-07/23/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		07/23/81-07/23/81	1	28.	28.	28.	28.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0171

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	4	0	0.00				4	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	4	0	0.00				4	0	0.00						
	Other-Lo Lim.	6.5	4	0	0.00				4	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00				4	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0171

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	1	1.00				1	1	1.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0172

NPS Station ID: GRSM0172 LAT/LON: 35.645559/ -83.075282 Agency: 112WRD Date Created: 02/29/92
Location: WINDING STAIR BRANCH NR NELLIE FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 353844083043100
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 25.30 On/Off RF1:
RF3 Index: 06010106047600.00 RF3 Mile Point: 0.25 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0172

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/31/91-10/31/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/31/91-10/31/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/31/91-10/31/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/31/91-10/31/91	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/31/91-10/31/91	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/31/91-10/31/91	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/31/91-10/31/91	1	0.93	0.93	0.93	0.93	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/31/91-10/31/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/31/91-10/31/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/31/91-10/31/91	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/31/91-10/31/91	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/31/91-10/31/91	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/31/91-10/31/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0172

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0173

NPS Station ID: GRSM0173 LAT/LON: 35.647504/ -83.306115
Location: TRIBUTARY TO ENLOE CREEK 4.91
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes: 1021500 007720 00920 8540 4030 0730 0580 0350 0130
RMI-Miles: 0953.80 0046.50 601.10 076.20 018.30 010.26 12.50 04.91 00.24
HUC: 06010203 Depth of Water: 0
Major Basin: LITTLE TENNESSEE R BASIN Elevation: 0
Minor Basin: UNNAMED TRIBUTARY 0.24
RF1 Index: 06010203 RF1 Mile Point: 0.000
RF3 Index: 06010203003403.99 RF3 Mile Point: 4.88
Description:

Agency: 131TVAC Date Created: 01/09/82
FIPS State/County: 37173 NORTH CAROLINA/SWAIN
STORET Station ID(s): 370026

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00 On/Off RF1:
Distance from RF3: 0.01 On/Off RF3:

Parameter Inventory for Station: GRSM0173

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/02/81-03/25/82	2	7.6	7.6	8.	7.2	0.32	0.566	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/02/81-03/25/82	2	19.	19.	20.	18.	2.	1.414	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/02/81-03/25/82	2	10.15	10.15	10.2	10.1	0.005	0.071	**	**	**	**
00400	PH (STANDARD UNITS)	12/02/81-03/25/82	2	4.55	4.55	4.9	4.2	0.245	0.495	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/02/81-03/25/82	2	4.422	4.422	4.9	4.2	0.278	0.527	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/02/81-03/25/82	2	37.842	37.842	63.096	12.589	1275.452	35.713	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/25/82-03/25/82	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/25/82-03/25/82	1	4.7	4.7	4.7	4.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/25/82-03/25/82	1	19.953	19.953	19.953	19.953	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/25/82-03/25/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	03/25/82-03/25/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/25/82-03/25/82	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/25/82-03/25/82	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/25/82-03/25/82	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/25/82-03/25/82	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/25/82-03/25/82	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/25/82-03/25/82	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/25/82-03/25/82	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/25/82-03/25/82	1	0.69	0.69	0.69	0.69	0.	0.	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/25/82-03/25/82	1	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/25/82-03/25/82	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/25/82-03/25/82	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/25/82-03/25/82	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)	03/25/82-03/25/82	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SIO2)	03/25/82-03/25/82	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/25/82-03/25/82	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/25/82-03/25/82	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/25/82-03/25/82	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/25/82-03/25/82	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/25/82-03/25/82	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/25/82-03/25/82	1	150.	150.	150.	150.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/25/82-03/25/82	1	110.	110.	110.	110.	0.	0.	**	**	**	**
32023	ACIDS, STRONG	03/25/82-03/25/82	1	20.	20.	20.	20.	0.	0.	**	**	**	**
32024	ACIDS, WEAK	03/25/82-03/25/82	1	150.	150.	150.	150.	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/25/82-03/25/82	1	4.	4.	4.	4.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/25/82-03/25/82	1	10.	10.	10.	10.	0.	0.	**	**	**	**
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	03/25/82-03/25/82	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71850	NITRATE NITROGEN,TOTAL (MG/L AS NO3)	03/25/82-03/25/82	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0173

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900 MERCURY, TOTAL (UG/L AS HG)	03/25/82-03/25/82	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0173

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	2	0	0.00	2	0	0.00									
00400 PH	Other-Hi Lim.	9.	2	0	0.00	2	0	0.00									
	Other-Lo Lim.	6.5	2	2	1.00	2	2	1.00									
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00	1	0	0.00									
	Drinking Water	1300.	1	0	0.00	1	0	0.00									
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
	Drinking Water	100.	1	0	0.00	1	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0177

NPS Station ID: GRSM0177
Location: LAKE IN THE SKY
Station Type: /TYPA/AMBNT/LAKE
RMI-Indexes:
RMI-Miles:
HUC: 06010201
Major Basin:
Minor Basin:
RF1 Index: 06010201
RF3 Index: 06010204002008.43
Description:

LAT/LON: 35.654170/ -83.907782

Depth of Water: 19
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 9.17

Agency: 12ELS1
FIPS State/County: 47009 TENNESSEE/BLOUNT
STORET Station ID(s): 3A2-005

Date Created: 04/16/88

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 1.90
Distance from RF3: 0.09

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: GRSM0177

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/20/84-11/20/84	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)		11/20/84-11/20/84	1	1.35	1.35	1.35	1.35	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		11/20/84-11/20/84	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		11/20/84-11/20/84	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00154 SULFATE (AS S) WHOLE WATER, MG/L		11/20/84-11/20/84	1	2.47	2.47	2.47	2.47	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	11/20/84-11/20/84	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		11/20/84-11/20/84	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/20/84-11/20/84	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00409 ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS	UEQ/L	11/20/84-11/20/84	1	159.7	159.7	159.7	159.7	0.	0.	**	**	**	**
00662 PHOSPHORUS (P), WATER, TOTAL RECOVERABLE	UG/L	11/20/84-11/20/84	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)		11/20/84-11/20/84	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00691 CARBON, DISSOLVED INORGANIC (MG/L AS C)		11/20/84-11/20/84	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00910 CALCIUM (MG/L AS CACO3)		11/20/84-11/20/84	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/20/84-11/20/84	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		11/20/84-11/20/84	1	0.37	0.37	0.37	0.37	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		11/20/84-11/20/84	1	0.72	0.72	0.72	0.72	0.	0.	**	**	**	**
00941 CHLORIDE, DISSOLVED IN WATER	MG/L	11/20/84-11/20/84	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		11/20/84-11/20/84	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		11/20/84-11/20/84	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		11/20/84-11/20/84	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)		11/20/84-11/20/84	1	143.	143.	143.	143.	0.	0.	**	**	**	**
70151 SURFACE AREA OF LAKE OR RESERVOIR	SQ KM	11/20/84-11/20/84	1	0.207	0.207	0.207	0.207	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		11/20/84-11/20/84	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71885 IRON (UG/L AS FE)		11/20/84-11/20/84	1	81.	81.	81.	81.	0.	0.	**	**	**	**
72020 ELEVATION IN FEET ABOVE MEAN SEA LEVEL		11/20/84-11/20/84	1	2009.94	2009.94	2009.94	2009.94	0.	0.	**	**	**	**
82047 DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)		11/20/84-11/20/84	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079 TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU		11/20/84-11/20/84	1	6.	6.	6.	6.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0177

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00154 SULFATE (AS S) WHOLE WATER	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0177

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00	1	1	1.00									
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0178

NPS Station ID: GRSM0178 LAT/LON: 35.654727/ -83.580559 Agency: 112WRD Date Created: / /
Location: LITTLE R AT ELKMONT TENN
Station Type: /TYPA/AMBNT/STREAM
FIPS State/County: 47155 TENNESSEE/SEVIER
STORET Station ID(s): 03497180
RMI-Indexes:
RMI-Miles:
HUC: 06010201 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010201032 RF1 Mile Point: 21.570 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107001601.77 RF3 Mile Point: 2.30 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0178

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY CFS	09/24/68-09/24/68	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	09/24/68-09/24/68	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/24/68-09/24/68	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	09/24/68-09/24/68	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	09/24/68-09/24/68	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/24/68-09/24/68	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	09/24/68-09/24/68	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	09/24/68-09/24/68	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	09/24/68-09/24/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	09/24/68-09/24/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	09/24/68-09/24/68	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/24/68-09/24/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	09/24/68-09/24/68	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	09/24/68-09/24/68	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	09/24/68-09/24/68	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	09/24/68-09/24/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	09/24/68-09/24/68	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	09/24/68-09/24/68	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	09/24/68-09/24/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	09/24/68-09/24/68	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	09/24/68-09/24/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	09/24/68-09/24/68	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	09/24/68-09/24/68	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/24/68-09/24/68	1	21.	21.	21.	21.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/24/68-09/24/68	1	16.	16.	16.	16.	0.	0.	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY	09/24/68-09/24/68	1	1.36	1.36	1.36	1.36	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/24/68-09/24/68	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/24/68-09/24/68	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0178

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0179

NPS Station ID: GRSM0179 LAT/LON: 35.655281/ -83.710004 Agency: 112WRD Date Created: 02/29/92
Location: WEST PRONG AB TOWNSEND FIPS State/County: 47009 TENNESSEE/BLOUNT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 353919083423600
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 8.30 On/Off RF1:
RF3 Index: 06010201006900.20 RF3 Mile Point: 0.20 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0179

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/30/91-10/30/91	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/30/91-10/30/91	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/30/91-10/30/91	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/30/91-10/30/91	1	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/30/91-10/30/91	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/30/91-10/30/91	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/30/91-10/30/91	1	0.72	0.72	0.72	0.72	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/30/91-10/30/91	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/30/91-10/30/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/30/91-10/30/91	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/30/91-10/30/91	1	9.	9.	9.	9.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/30/91-10/30/91	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/30/91-10/30/91	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0179

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0180

NPS Station ID: GRSM0180 LAT/LON: 35.657226/ -83.708615 Agency: 112WRD Date Created: 02/29/92
Location: MIDDLE PRONG AB TOWNSEND
Station Type: /TYPA/AMBNT/STREAM
FIPS State/County: 47009 TENNESSEE/BLOUNT
STORET Station ID(s): 353926083423100
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 5.30 On/Off RF1:
RF3 Index: 06010201006900.20 RF3 Mile Point: 0.20 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0180

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/30/91-10/30/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/30/91-10/30/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/30/91-10/30/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/30/91-10/30/91	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/30/91-10/30/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/30/91-10/30/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/30/91-10/30/91	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/30/91-10/30/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/30/91-10/30/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/30/91-10/30/91	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		10/30/91-10/30/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/30/91-10/30/91	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/30/91-10/30/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0180

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0181

NPS Station ID: GRSM0181 LAT/LON: 35.660281/ -83.708338 Agency: 21TNWQ Date Created: 08/14/93
Location: NEAR LRM 35.6/THE WYE/SMOKEY MT PARK/QUAD 157NW FIPS State/County: 47009 TENNESSEE/BLOUNT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LITTLE 35.6
RMI-Indexes:
RMI-Miles:
HUC: 06010201 Depth of Water: 1 Aquifer:
Major Basin: TENNESSEE RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: LITTLE RIVER BASIN ECO Region:
RF1 Index: 06010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010201002800.00 RF3 Mile Point: 2.05 Distance from RF3: 0.10 On/Off RF3:
Description:
UPSTREAM CONTOL STATION ON THE LITTLE RIVER NEAR RIVER MILE 35.6. THIS IS AN EXCEPTIONAL NATIONAL RESOURCE FACING INCREASED DEVELOPMENT IN THE NEAR FUTURE. SAMPLES TAKEN IMMEDIATELY BELOW THE CONFLUENCE OF LAUREL CREEK AND THE LITTLE RIVER JUST INSIDE THE GREAT SMOKEY

Parameter Inventory for Station: GRSM0181

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: GRSM0182

NPS Station ID: GRSM0182 LAT/LON: 35.664449/ -83.711393 Agency: 112WRD Date Created: / /
Location: LITTLE R. AB TOWNSEND
Station Type: /TYPA/AMBNT/STREAM FIPS State/County: 47009 TENNESSEE/BLOUNT
RMI-Indexes: STORET Station ID(s): 03497300
RMI-Miles:
HUC: 06010201 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010201009401.68 RF3 Mile Point: 7.37 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	139	12.	12.068	23.5	0.	41.499	6.442	4.	6.5	18.	20.
00060 FLOW, STREAM, MEAN DAILY	CFS	08/10/63-10/08/70	21	119.	363.286	3910.	32.	684512.714	827.353	36.2	51.	319.	517.6
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	127	160.	445.268	7150.	30.	1180910.61	1086.697	57.6	103.	301.	535.8
00065 STAGE, STREAM (FEET)		10/28/93-08/24/94	6	2.415	2.298	3.	1.23	0.354	0.595	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		10/17/85-11/22/94	37	0.6	1.041	11.	0.2	3.292	1.815	0.2	0.4	1.05	1.52
00080 COLOR (PLATINUM-COBALT UNITS)		08/10/63-09/30/68	20	4.	4.25	8.	1.	4.197	2.049	2.	3.	5.	8.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		08/10/63-11/22/94	122	18.	17.754	61.	2.	34.005	5.831	12.	15.	20.	22.7
00300 OXYGEN, DISSOLVED	MG/L	10/12/67-11/22/94	48	11.	11.004	15.	8.6	2.889	1.7	8.79	9.8	12.	13.8
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	01/17/68-03/18/68	2	102.5	102.5	108.	97.	60.5	7.778	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/12/67-07/23/68	10	1.15	1.3	2.4	0.5	0.62	0.787	0.51	0.6	2.125	2.38
00400 PH (STANDARD UNITS)		08/10/63-11/22/94	62	6.9	6.954	8.16	6.2	0.162	0.403	6.524	6.7	7.1	7.609
00400 CONVERTED PH (STANDARD UNITS)		08/10/63-11/22/94	62	6.9	6.807	8.16	6.2	0.184	0.429	6.524	6.7	7.1	7.609
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/10/63-11/22/94	62	0.126	0.156	0.631	0.007	0.016	0.127	0.025	0.079	0.2	0.3
00403 PH, LAB, STANDARD UNITS	SU	10/17/85-11/22/94	38	7.35	7.371	8.2	6.5	0.24	0.49	6.69	7.	7.825	8.02
00403 CONVERTED PH, LAB, STANDARD UNITS		10/17/85-11/22/94	38	7.347	7.13	8.2	6.5	0.3	0.547	6.69	7.	7.825	8.02
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/17/85-11/22/94	38	0.045	0.074	0.316	0.006	0.006	0.078	0.01	0.015	0.1	0.205
00405 CARBON DIOXIDE (MG/L AS CO2)		04/05/66-10/12/67	2	2.65	2.65	2.9	2.4	0.125	0.354	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		08/10/63-06/29/94	29	6.	5.897	12.	0.	10.025	3.166	0.	4.	8.	10.
00440 BICARBONATE ION (MG/L AS HCO3)		08/10/63-09/30/68	20	8.5	7.9	12.	3.	7.042	2.654	4.	6.	10.	11.9
00445 CARBONATE ION (MG/L AS CO3)		08/10/63-09/30/68	21	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00452 CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L		10/27/92-11/22/94	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00453 BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L		12/11/91-11/22/94	16	5.	5.813	10.	4.	2.563	1.601	4.	5.	7.	7.9
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		10/12/67-10/25/68	3	16.	15.667	16.	15.	0.333	0.577	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/12/67-10/25/68	3	2.	1.833	3.	0.5	1.583	1.258	**	**	**	**
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		12/10/85-02/21/86	2	0.325	0.325	0.37	0.28	0.004	0.064	**	**	**	**
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)		10/17/85-11/22/94	37	0.01	0.015	0.05	0.005	0.	0.012	0.005	0.005	0.02	0.032
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		10/17/85-12/07/92	27	0.02	0.017	0.04	0.005	0.	0.012	0.005	0.005	0.03	0.032
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)		10/17/85-11/22/94	37##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.006
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		10/15/90-12/07/92	12##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.009
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		04/05/66-10/30/91	3	0.005	0.032	0.09	0.	0.003	0.051	**	**	**	**
00623 NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)		08/20/91-08/20/91	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		10/17/85-11/22/94	37##	0.1	0.324	4.8	0.1	0.592	0.769	0.1	0.1	0.3	0.42
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/15/90-12/07/92	12	0.155	0.147	0.3	0.025	0.007	0.084	0.025	0.068	0.2	0.276
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)		10/17/85-11/22/94	37	0.2	0.169	0.4	0.025	0.008	0.087	0.025	0.1	0.2	0.3
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		11/20/67-09/30/68	10	0.04	0.043	0.07	0.01	0.001	0.023	0.011	0.02	0.07	0.07
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/17/85-11/22/94	37	0.01	0.013	0.04	0.005	0.	0.009	0.005	0.005	0.02	0.022
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		10/17/85-11/22/94	37##	0.005	0.01	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.022
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/17/85-11/22/94	38##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.01

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0182

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900 HARDNESS, TOTAL (MG/L AS CACO3)	08/10/63-12/10/85	22	5.	5.5	8.	3.	2.833	1.683	4.	4.	7.25	8.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/10/63-12/10/85	22	0.	0.091	2.	0.	0.182	0.426	0.	0.	0.	0.
00915 CALCIUM, DISSOLVED (MG/L AS CA)	08/10/63-11/22/94	58	1.45	1.56	3.9	1.	0.229	0.479	1.09	1.2	1.8	2.11
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	08/10/63-11/22/94	58	0.4	0.391	0.8	0.	0.027	0.166	0.2	0.3	0.5	0.6
00930 SODIUM, DISSOLVED (MG/L AS NA)	08/10/63-11/22/94	58	1.	0.972	1.4	0.4	0.032	0.179	0.79	0.9	1.1	1.2
00931 SODIUM ADSORPTION RATIO	08/10/63-12/10/85	16	0.2	0.206	0.3	0.2	0.001	0.025	0.2	0.2	0.2	0.23
00932 SODIUM, PERCENT	08/10/63-12/10/85	16	28.	28.063	37.	20.	32.596	5.709	20.7	22.25	33.	36.3
00935 POTASSIUM, DISSOLVED (MG/L AS K)	08/10/63-11/22/94	58	0.5	0.509	1.	0.	0.027	0.166	0.3	0.4	0.6	0.7
00940 CHLORIDE,TOTAL IN WATER MG/L	08/10/63-11/22/94	58	0.55	0.598	2.	0.2	0.112	0.335	0.3	0.4	0.6	1.
00945 SULFATE, TOTAL (MG/L AS SO4)	08/10/63-11/22/94	58	2.	2.031	4.	0.8	0.603	0.777	1.	2.	2.	3.
00950 FLUORIDE, DISSOLVED (MG/L AS F)	08/10/63-11/22/94	58##	0.05	0.05	0.2	0.	0.003	0.051	0.	0.	0.05	0.1
00955 SILICA, DISSOLVED (MG/L AS SI02)	08/10/63-11/22/94	58	5.6	5.5	7.2	0.	1.621	1.273	4.58	5.3	6.2	6.71
01000 ARSENIC, DISSOLVED (UG/L AS AS)	10/08/70-02/05/91	12##	0.5	1.292	10.	0.5	7.521	2.742	0.5	0.5	0.5	7.15
01005 BARIUM, DISSOLVED (UG/L AS BA)	10/17/85-11/22/94	24	8.5	9.917	26.	5.	22.949	4.791	6.	7.	10.75	18.
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)	10/17/85-02/05/91	11##	0.25	0.345	1.3	0.25	0.1	0.317	0.25	0.25	0.25	1.09
01025 CADMIUM, DISSOLVED (UG/L AS CD)	09/30/68-02/05/91	13##	0.5	0.923	6.	0.	2.369	1.539	0.2	0.5	0.5	4.
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	10/17/85-02/05/91	11##	0.5	0.682	2.5	0.5	0.364	0.603	0.5	0.5	0.5	2.1
01032 CHROMIUM, HEXAVALENT (UG/L AS CR)	10/08/70-10/08/70	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	09/30/68-09/30/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01035 COBALT, DISSOLVED (UG/L AS CO)	09/30/68-11/22/94	26##	1.5	2.731	35.	0.	43.405	6.588	1.5	1.5	1.5	1.5
01040 COPPER, DISSOLVED (UG/L AS CU)	09/30/68-02/05/91	12	1.5	2.5	12.	0.	10.773	3.282	0.15	0.625	2.75	9.9
01046 IRON, DISSOLVED (UG/L AS FE)	08/10/63-11/22/94	43	12.	19.279	100.	0.	428.968	20.712	4.	7.	20.	50.
01049 LEAD, DISSOLVED (UG/L AS PB)	09/30/68-02/05/91	13##	2.5	2.692	10.	0.5	6.272	2.504	0.7	1.	2.75	8.
01055 MANGANESE, TOTAL (UG/L AS MN)	11/03/65-10/12/67	4	15.	12.5	20.	0.	91.667	9.574	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	08/10/63-11/22/94	42	1.	5.357	30.	0.	92.174	9.601	0.	0.5	3.75	30.
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/17/85-11/22/94	24##	5.	5.417	10.	5.	1.993	1.412	5.	5.	5.	7.5
01065 NICKEL, DISSOLVED (UG/L AS NI)	09/30/68-11/22/94	25##	0.5	1.22	6.	0.	2.46	1.568	0.5	0.5	1.	4.4
01075 SILVER, DISSOLVED (UG/L AS AG)	09/30/68-11/22/94	25##	0.5	0.48	0.5	0.	0.01	0.1	0.5	0.5	0.5	0.5
01080 STRONTIUM, DISSOLVED (UG/L AS SR)	09/30/68-11/22/94	25	9.	9.12	12.	0.	5.943	2.438	7.6	8.	10.5	12.
01085 VANADIUM, DISSOLVED (UG/L AS V)	10/17/85-11/22/94	24##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090 ZINC, DISSOLVED (UG/L AS ZN)	09/30/68-02/05/91	13	6.	7.654	17.	0.	26.058	5.105	0.6	4.	11.5	15.8
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	10/17/85-11/22/94	24	20.	18.333	40.	5.	105.797	10.286	5.	10.	20.	35.
01130 LITHIUM, DISSOLVED (UG/L AS LI)	09/30/68-11/22/94	25##	2.	2.08	6.	0.	0.827	0.909	2.	2.	2.	2.
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/17/85-11/22/94	24##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01515 ALPHA, DISSOLVED GROSS, AS URANIUM-NATURAL, PC/L	10/12/67-10/25/68	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01516 ALPHA, SUSPEND GROSS, AS URANIUM NATURAL, PC/L	10/12/67-10/25/68	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
03515 BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/12/67-02/24/93	15	0.9	0.947	2.	0.3	0.2	0.447	0.3	0.6	1.2	1.64
03516 BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/12/67-02/24/93	15##	0.3	0.48	1.1	0.2	0.097	0.312	0.2	0.3	0.8	1.04
04126 ALPHA, DISSOLVED, WATER (AS TH-230) PCI/L	08/25/92-02/24/93	2##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
04127 ALPHA, SUSPENDED, DRY WEIGHT,SED (AS TH-230) PCI/L	08/25/92-02/24/93	2##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
09510 RADIUM 226, DISSOLVED, PLANCHET COUNT	06/24/68-06/24/68	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
09511 RADIUM 226, DISSOLVED, RADON METHOD	10/12/67-08/24/94	16	0.04	0.052	0.11	0.01	0.001	0.03	0.017	0.03	0.08	0.096
22703 URANIUM, NATURAL, DISSOLVED	10/12/67-08/24/94	14##	0.008	0.049	0.205	0.005	0.007	0.083	0.005	0.005	0.065	0.203
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	10/12/67-09/30/68	12	165.	301.6	816.	0.2	98995.484	314.635	14.54	94.	666.25	816.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	10/12/67-09/30/68	12	2.217	2.084	2.912	-0.699	0.925	0.962	0.015	1.973	2.783	2.912
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3			GEOMETRIC MEAN =	121.425								
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/17/85-11/22/94	39	7.	42.91	1040.	0.5	27589.327	166.1	1.	2.	20.	72.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/17/85-11/22/94	39	0.845	0.877	3.017	-0.301	0.488	0.699	0.	0.301	1.301	1.857
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	7.531								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/17/85-11/22/94	40	32.	77.4	500.	0.	11714.913	108.235	2.	6.25	97.25	241.9
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/17/85-11/22/94	40	1.497	1.391	2.699	0.	0.607	0.779	0.301	0.795	1.988	2.383
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR			GEOMETRIC MEAN =	24.581								
39086 ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	10/29/86-11/22/94	31	5.	4.968	12.	3.	3.632	1.906	3.	4.	6.	7.6
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/10/63-11/22/94	57	14.	14.456	25.	2.	23.967	4.896	8.	12.	18.	21.2
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/05/66-12/10/85	15	14.	14.467	20.	10.	9.41	3.067	10.	13.	17.	19.4
70302 SOLIDS, DISSOLVED-TONS PER DAY	08/10/63-09/30/68	16	5.18	8.236	24.1	1.74	48.815	6.987	1.908	2.805	12.85	20.11
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	08/10/63-09/30/68	14	0.02	0.044	0.3	0.02	0.005	0.074	0.02	0.02	0.03	0.165
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/25/65-08/24/94	34	66.	69.235	100.	1.	432.185	20.789	48.	56.75	86.25	100.
70332 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	03/25/65-03/25/65	1	86.	86.	86.	86.	0.	0.	**	**	**	**
70333 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	03/25/65-03/25/65	1	93.	93.	93.	93.	0.	0.	**	**	**	**
70334 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	03/25/65-03/25/65	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70337 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .002MM	03/25/65-03/25/65	1	29.	29.	29.	29.	0.	0.	**	**	**	**
70338 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .004MM	03/25/65-03/25/65	1	39.	39.	39.	39.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0182

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70339 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .008MM	03/25/65-03/25/65	1	47.	47.	47.	47.	0.	0.	**	**	**	**
70340 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .016MM	03/25/65-03/25/65	1	62.	62.	62.	62.	0.	0.	**	**	**	**
70341 SUS SED FALL DIA(DISTLD WATER)%FINER THAN .031MM	03/25/65-03/25/65	1	80.	80.	80.	80.	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/90-12/07/92	12##	0.005	0.008	0.02	0.005	0.	0.006	0.005	0.005	0.005	0.02
71846 NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	12/10/85-02/21/86	2	0.03	0.03	0.05	0.01	0.001	0.028	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	08/10/63-09/30/68	20	0.4	0.375	1.5	0.	0.146	0.382	0.	0.025	0.675	0.79
71870 BROMIDE (MG/L AS BR)	10/30/91-10/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	10/17/85-02/21/86	2	0.075	0.075	0.12	0.03	0.004	0.064	**	**	**	**
71890 MERCURY, DISSOLVED (UG/L AS HG)	10/17/85-02/05/91	11##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
71900 MERCURY, TOTAL (UG/L AS HG)	10/08/70-10/08/70	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/17/85-10/17/85	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
75986 ALPHA GROSS,1 SIGMA PRC EST AS NAT U,DISS,WTR UG/L	02/27/89-02/24/93	9	0.25	0.246	0.4	0.1	0.008	0.09	0.1	0.18	0.3	0.4
75987 ALPHA GROSS,DISS,1 SIGMA PRC EST AS TH230,WTR PC/L	02/27/89-02/24/93	9##	0.3	0.307	0.7	0.1	0.027	0.166	0.1	0.23	0.3	0.7
75988 BETA GROSS,DISS,1 SIGMA PRC EST AS SR90/Y90 PC/L	02/27/89-02/24/93	9	0.4	0.439	0.5	0.38	0.003	0.052	0.38	0.4	0.5	0.5
75989 BETA GROSS,1 SIGMA PRC EST AS CS-137,DISS,WTR PC/L	02/27/89-02/24/93	9	0.5	0.491	0.7	0.4	0.009	0.093	0.4	0.4	0.51	0.7
75990 URANIUM,NATURAL,1 SIGMA PRC EST,DISS,WATER UG/L	02/21/90-08/24/94	9##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
76001 RADIUM 226,1 SIGMA PRC EST,DISSOLVED,WATER PC/L	02/21/90-08/24/94	9	0.01	0.013	0.02	0.01	0.	0.005	0.01	0.01	0.02	0.02
76004 ALPHA GROSS,SUSP,1 SIGMA PRC EST AS TH230,WTR PC/L	02/27/89-02/24/93	9	0.2	0.243	0.6	0.1	0.025	0.159	0.1	0.1	0.3	0.6
76005 BETA GROSS,SUSP,1 SIGMA PRC EST AS SR90/Y90 PC/L	02/27/89-02/24/93	9	0.5	0.508	0.7	0.4	0.006	0.079	0.4	0.485	0.5	0.7
80020 URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	10/25/68-02/25/87	3##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
80030 ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/12/67-02/24/93	15##	0.3	0.29	0.7	0.2	0.015	0.123	0.2	0.2	0.3	0.46
80040 ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/12/67-02/24/93	15##	0.3	0.34	1.	0.2	0.048	0.22	0.2	0.2	0.3	0.82
80050 BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/12/67-02/24/93	15	0.9	0.86	1.7	0.3	0.158	0.398	0.3	0.6	1.1	1.46
80060 BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/12/67-02/24/93	15##	0.3	0.453	1.1	0.2	0.076	0.275	0.2	0.3	0.7	0.92
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/25/65-08/24/94	67	3.	40.466	735.	0.3	17016.672	130.448	0.5	1.	5.	76.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/25/65-09/16/82	33	1.6	989.675	11100.	0.21	6485073.384	2546.581	0.418	0.99	7.95	6022.
82073 STARTING TIME (BASED ON A 24 HOUR CLOCK)	12/30/93-12/30/93	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GRSM0182

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	37	0	0.00	21	0	0.00	16	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	48	0	0.00	25	0	0.00	23	0	0.00						
00400 PH	Other-Hi Lim.	9.	62	0	0.00	37	0	0.00	25	0	0.00						
	Other-Lo Lim.	6.5	62	6	0.10	37	5	0.14	25	1	0.04						
00403 PH, LAB	Other-Hi Lim.	9.	38	0	0.00	22	0	0.00	16	0	0.00						
	Other-Lo Lim.	6.5	38	1	0.03	22	0	0.00	16	1	0.06						
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	37	0	0.00	21	0	0.00	16	0	0.00						
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	12	0	0.00	8	0	0.00	4	0	0.00						
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	0	0.00	8	0	0.00	4	0	0.00						
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	37	0	0.00	21	0	0.00	16	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	58	0	0.00	34	0	0.00	24	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	58	0	0.00	34	0	0.00	24	0	0.00						
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	12	0	0.00	9	0	0.00	3	0	0.00						
	Drinking Water	50.	12	0	0.00	9	0	0.00	3	0	0.00						
01005 BARIUM, DISSOLVED	Drinking Water	2000.	24	0	0.00	15	0	0.00	9	0	0.00						
01010 BERYLLIUM, DISSOLVED	Fresh Acute	130.	11	0	0.00	8	0	0.00	3	0	0.00						
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	13	1	0.08	9	1	0.11	4	0	0.00						
	Drinking Water	5.	13	1	0.08	9	1	0.11	4	0	0.00						
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	11	0	0.00	8	0	0.00	3	0	0.00						
01032 CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00	1	0	0.00									
	Drinking Water	100.	1	0	0.00	1	0	0.00									
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01040 COPPER, DISSOLVED	Fresh Acute	18.	12	0	0.00	8	0	0.00	4	0	0.00						
	Drinking Water	1300.	12	0	0.00	8	0	0.00	4	0	0.00						
01049 LEAD, DISSOLVED	Fresh Acute	82.	13	0	0.00	9	0	0.00	4	0	0.00						
	Drinking Water	5.	12&	1	0.08	8	0	0.00	4	1	0.25						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

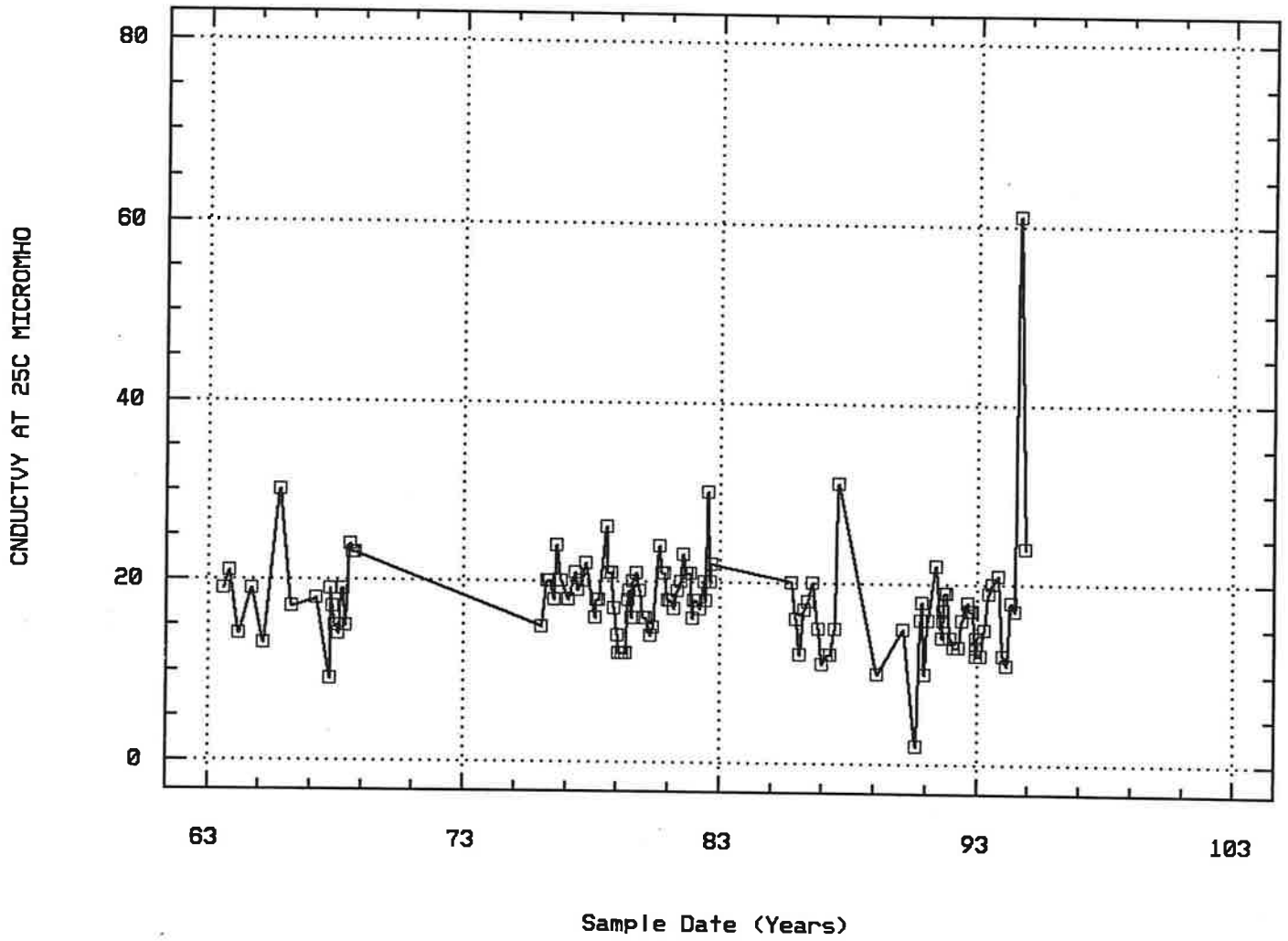
EPA Water Quality Criteria Analysis for Station: GRSM0182

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	25	0	0.00	15	0	0.00	10	0	0.00						
	Drinking Water	100.	25	0	0.00	15	0	0.00	10	0	0.00						
01075 SILVER, DISSOLVED	Fresh Acute	4.1	25	0	0.00	15	0	0.00	10	0	0.00						
	Drinking Water	50.	25	0	0.00	15	0	0.00	10	0	0.00						
01090 ZINC, DISSOLVED	Fresh Acute	120.	13	0	0.00	9	0	0.00	4	0	0.00						
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	24	0	0.00	15	0	0.00	9	0	0.00						
	Drinking Water	50.	24	0	0.00	15	0	0.00	9	0	0.00						
22703 URANIUM, NATURAL DISSOLVED	Drinking Water	20.	14	0	0.00	7	0	0.00	7	0	0.00						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	12	0	0.00	7	0	0.00	5	0	0.00						
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	39	1	0.03	21	0	0.00	18	1	0.06						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	20	0	0.00	12	0	0.00	8	0	0.00						
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	11	0	0.00	8	0	0.00	3	0	0.00						
	Drinking Water	2.	11	0	0.00	8	0	0.00	3	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									
80020 URANIUM, DISS. BY EXTRACTION FLUOROMETRI	Drinking Water	20.	3	0	0.00	3	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: GRSM0182 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



LITTLE R. AB TOWNSEND

Annual Analysis for 1963 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	1	20.	20.	20.	20.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1965 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	3	8.3	7.267	8.5	5.	3.863	1.966	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	6	4695.	4631.667	7150.	1770.	5229296.667	2286.766	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1966 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1967 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	5	12.	10.4	15.	4.	17.3	4.159	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	8	12.5	12.875	23.	2.	72.696	8.526	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	1	141.	141.	141.	141.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	6	14.5	12.25	18.	1.5	44.775	6.691	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	7	117.	152.714	256.	54.	6175.905	78.587	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	2	9.25	9.25	9.5	9.	0.125	0.354	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	6	275.	399.667	1170.	100.	161654.667	402.063	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	8	13.5	13.125	23.5	2.5	57.411	7.577	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	8	136.	140.875	267.	41.	6663.268	81.629	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	9	16.5	12.667	19.	0.	40.125	6.334	0.	8.	17.	19.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	9	214.	220.444	412.	102.	8847.778	94.063	102.	141.	270.5	412.

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Annual Analysis for 1980 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	9	7.	12.056	23.5	4.5	55.215	7.431	4.5	5.75	19.	23.5
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	9	124.	192.667	444.	43.	23906.	154.616	43.	57.	336.	444.

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Annual Analysis for 1981 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	8	14.55	12.263	20.5	0.	54.523	7.384	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	8	186.	247.125	579.	129.	24491.554	156.498	**	**	**	**

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Annual Analysis for 1982 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	8	18.	14.75	20.5	5.	36.929	6.077	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	8	149.5	586.875	3200.	116.	1130638.411	1063.315	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	3	7.	8.5	14.	4.5	24.25	4.924	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	3	55.	164.333	408.	30.	44686.333	211.391	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	7	16.	13.286	20.	4.5	41.405	6.435	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	7	96.	178.286	525.	42.	28959.905	170.176	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	9	15.	12.778	23.	0.5	65.132	8.07	0.5	5.25	20.5	23.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	9	108.	140.556	336.	56.	8788.278	93.745	56.	68.	197.5	336.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	6	9.75	12.833	21.	7.5	36.067	6.005	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	6	142.	192.667	491.	45.	25128.267	158.513	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	4	15.5	15.375	22.	8.5	38.563	6.21	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	4	238.	245.75	420.	87.	21207.583	145.628	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	2	11.	11.	18.	4.	98.	9.899	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	2	334.5	334.5	509.	160.	60900.5	246.78	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	5	8.	10.9	20.5	4.	41.55	6.446	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	5	194.	300.8	658.	160.	43727.7	209.112	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	9	17.5	15.111	19.5	6.	26.861	5.183	6.	10.	19.25	19.5
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	9	148.	208.	714.	54.	39771.75	199.429	54.	101.	226.	714.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	14	6.4	8.779	19.5	3.8	33.41	5.78	3.8	3.875	12.825	19.25
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	9	149.	158.889	290.	68.	4948.611	70.346	68.	109.5	204.5	290.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	6	9.25	10.417	20.	2.	59.442	7.71	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	6	187.	252.667	670.	36.	57776.667	240.368	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station GRSM0182

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		08/10/63-11/22/94	5	14.5	12.8	17.	5.	24.575	4.957	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	03/25/65-11/22/94	5	340.	299.6	440.	72.	20672.8	143.78	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 10/01 to 3/31 - Station GRSM0182

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/63-11/22/94	74	7.	7.507	18.	0.	18.291	4.277	2.75	4.	10.	14.
00060 FLOW, STREAM, MEAN DAILY CFS	08/10/63-10/08/70	13	258.	506.769	3910.	32.	1074216.692	1036.444	32.8	72.5	423.	2555.2
00061 FLOW, STREAM, INSTANTANEOUS CFS	03/25/65-11/22/94	66	203.	685.045	7150.	30.	2144567.767	1464.434	52.2	106.75	422.75	1992.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/17/85-11/22/94	21	0.5	0.667	4.	0.2	0.649	0.806	0.2	0.25	0.7	1.14
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/63-11/22/94	65	16.	16.185	30.	9.	14.965	3.869	12.	13.	18.5	21.
00300p OXYGEN, DISSOLVED MG/L	10/12/67-11/22/94	25	12.	12.064	15.	9.2	2.207	1.485	9.96	11.1	12.95	14.4
00400p PH (STANDARD UNITS)	08/10/63-11/22/94	37	7.	6.996	8.16	6.2	0.244	0.494	6.4	6.6	7.2	7.73
00400p CONVERTED PH (STANDARD UNITS)	08/10/63-11/22/94	37	7.	6.782	8.16	6.2	0.291	0.54	6.4	6.6	7.2	7.73
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/63-11/22/94	37	0.1	0.165	0.631	0.007	0.024	0.155	0.019	0.063	0.251	0.398
00403 PH, LAB, STANDARD UNITS SU	10/17/85-11/22/94	22	7.35	7.382	8.2	6.6	0.218	0.467	6.69	7.	7.725	8.14
00403 CONVERTED PH, LAB, STANDARD UNITS	10/17/85-11/22/94	22	7.347	7.168	8.2	6.6	0.266	0.515	6.69	7.	7.725	8.14
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/85-11/22/94	22	0.045	0.068	0.251	0.006	0.005	0.069	0.007	0.019	0.1	0.214
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/63-06/29/94	14	5.5	5.571	10.	0.	6.571	2.563	1.5	3.75	7.25	9.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/17/85-11/22/94	21##	0.008	0.013	0.04	0.005	0.	0.011	0.005	0.005	0.02	0.038
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/17/85-12/07/92	16	0.015	0.017	0.04	0.005	0.	0.012	0.005	0.005	0.03	0.033
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/17/85-11/22/94	21##	0.005	0.005	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.009
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/17/85-11/22/94	21##	0.1	0.414	4.8	0.1	1.026	1.013	0.1	0.1	0.3	0.48
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/17/85-11/22/94	21	0.2	0.163	0.4	0.025	0.01	0.098	0.025	0.05	0.2	0.28
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/17/85-11/22/94	21##	0.005	0.012	0.04	0.005	0.	0.01	0.005	0.005	0.02	0.028
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	10/17/85-11/22/94	21##	0.005	0.01	0.03	0.005	0.	0.007	0.005	0.005	0.015	0.02
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/17/85-11/22/94	22##	0.005	0.006	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.01
00900 HARDNESS, TOTAL (MG/L AS CACO3)	08/10/63-12/10/85	14	5.	5.071	8.	3.	1.918	1.385	3.5	4.	6.	7.5
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/10/63-12/10/85	14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00915p CALCIUM, DISSOLVED (MG/L AS CA)	08/10/63-11/22/94	34	1.35	1.471	2.4	1.	0.132	0.364	1.05	1.2	1.725	2.05
00925p MAGNESIUM, DISSOLVED (MG/L AS MG)	08/10/63-11/22/94	34	0.4	0.353	0.7	0.	0.029	0.171	0.05	0.3	0.5	0.6
00930p SODIUM, DISSOLVED (MG/L AS NA)	08/10/63-11/22/94	34	0.9	0.95	1.4	0.4	0.041	0.202	0.75	0.8	1.	1.3
00931 SODIUM ADSORPTION RATIO	08/10/63-12/10/85	9	0.2	0.211	0.3	0.2	0.001	0.033	0.2	0.2	0.2	0.3
00932 SODIUM, PERCENT	08/10/63-12/10/85	9	27.	29.	37.	22.	34.5	5.874	22.	23.	35.	37.
00935p POTASSIUM, DISSOLVED (MG/L AS K)	08/10/63-11/22/94	34	0.5	0.518	1.	0.	0.035	0.187	0.3	0.4	0.625	0.75
00940p CHLORIDE,TOTAL IN WATER MG/L	08/10/63-11/22/94	34	0.6	0.615	2.	0.3	0.091	0.302	0.35	0.5	0.6	1.
00945p SULFATE, TOTAL (MG/L AS SO4)	08/10/63-11/22/94	34	2.	1.965	4.	0.8	0.527	0.726	1.	1.75	2.	3.
00950p FLUORIDE, DISSOLVED (MG/L AS F)	08/10/63-11/22/94	34	0.05	0.05	0.2	0.	0.003	0.051	0.	0.	0.053	0.1
00955p SILICA, DISSOLVED (MG/L AS SI02)	08/10/63-11/22/94	34	5.5	5.341	7.2	0.	2.411	1.553	4.05	5.2	5.925	6.9
01000 ARSENIC, DISSOLVED (UG/L AS AS)	10/08/70-02/05/91	9##	0.5	1.556	10.	0.5	10.028	3.167	0.5	0.5	0.5	10.
01005 BARIUM, DISSOLVED (UG/L AS BA)	10/17/85-11/22/94	15	9.	10.2	19.	6.	14.029	3.745	6.6	7.	12.	17.8
01025 CADMIUM, DISSOLVED (UG/L AS CD)	09/30/68-02/05/91	9##	0.5	1.167	6.	0.5	3.313	1.82	0.5	0.5	0.75	6.
01035p COBALT, DISSOLVED (UG/L AS CO)	09/30/68-11/22/94	16##	1.5	3.594	35.	1.5	70.141	8.375	1.5	1.5	1.5	11.55
01046p IRON, DISSOLVED (UG/L AS FE)	08/10/63-11/22/94	26	11.	21.615	100.	0.	585.446	24.196	2.8	6.75	23.75	58.7
01049 LEAD, DISSOLVED (UG/L AS PB)	09/30/68-02/05/91	9##	2.5	2.111	5.	0.5	1.986	1.409	0.5	1.	2.75	5.
01056p MANGANESE, DISSOLVED (UG/L AS MN)	08/10/63-11/22/94	24	1.	5.583	30.	0.	96.362	9.816	0.25	0.5	5.25	30.
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/17/85-11/22/94	15##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065p NICKEL, DISSOLVED (UG/L AS NI)	09/30/68-11/22/94	15##	0.5	1.467	6.	0.5	3.231	1.797	0.5	0.5	2.	5.4
01075p SILVER, DISSOLVED (UG/L AS AG)	09/30/68-11/22/94	15##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01080p STRONTIUM, DISSOLVED (UG/L AS SR)	09/30/68-11/22/94	15	9.	9.333	12.	7.	2.667	1.633	7.6	8.	10.	12.
01085 VANADIUM, DISSOLVED (UG/L AS V)	10/17/85-11/22/94	15##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090 ZINC, DISSOLVED (UG/L AS ZN)	09/30/68-02/05/91	9	5.	7.722	17.	1.5	25.694	5.069	1.5	4.	11.5	17.
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	10/17/85-11/22/94	15	20.	19.333	40.	5.	103.095	10.154	5.	10.	30.	34.
01130p LITHIUM, DISSOLVED (UG/L AS LI)	09/30/68-11/22/94	15##	2.	2.267	6.	2.	1.067	1.033	2.	2.	2.	3.6
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/17/85-11/22/94	15##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
03515p BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/12/67-02/24/93	9	0.7	0.756	1.3	0.3	0.125	0.354	0.3	0.45	1.05	1.3
03516p BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/12/67-02/24/93	9##	0.3	0.389	0.9	0.2	0.049	0.22	0.2	0.3	0.45	0.9
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/17/85-11/22/94	21	4.	8.024	73.	0.5	242.387	15.569	0.5	2.	7.	18.6
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/17/85-11/22/94	21	0.602	0.551	1.863	-0.301	0.288	0.536	-0.301	0.301	0.845	1.249
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	3.556								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/17/85-11/22/94	21	16.	49.381	500.	0.	11859.148	108.9	1.2	4.	50.5	127.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/17/85-11/22/94	21	1.204	1.129	2.699	0.	0.522	0.723	0.06	0.54	1.69	2.097
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR			GEOMETRIC MEAN =	13.47								
39086 ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	10/29/86-11/22/94	17	4.	4.529	8.	3.	2.765	1.663	3.	3.	5.5	8.
70300p RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/10/63-11/22/94	33	14.	13.848	23.	2.	29.195	5.403	5.6	9.5	18.5	21.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 10/01 to 3/31 - Station GRSM0182

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/05/66-12/10/85	9	13.	13.667	20.	10.	11.	3.317	10.	10.5	16.	20.
70331p SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/25/65-08/24/94	20	64.5	65.7	100.	1.	525.695	22.928	40.7	54.5	79.75	99.1
80030p ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/12/67-02/24/93	9##	0.3	0.261	0.3	0.2	0.002	0.049	0.2	0.2	0.3	0.3
80040p ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/12/67-02/24/93	9##	0.3	0.267	0.3	0.2	0.003	0.05	0.2	0.2	0.3	0.3
80050p BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/12/67-02/24/93	9	0.7	0.689	1.2	0.3	0.119	0.344	0.3	0.3	1.	1.2
80060p BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/12/67-02/24/93	9##	0.3	0.378	0.8	0.2	0.037	0.192	0.2	0.3	0.45	0.8
80154p SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/25/65-08/24/94	39	3.	66.944	735.	0.3	27829.655	166.822	0.5	1.	8.	320.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/25/65-09/16/82	20	3.45	1631.526	11100.	0.21	9821405.004	3133.912	0.385	1.15	1957.75	6169.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0182

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/10/63-11/22/94	65	18.5	17.262	23.5	7.	17.169	4.144	9.6	15.5	20.	21.7
00060 FLOW, STREAM, MEAN DAILY CFS	08/10/63-10/08/70	8	63.5	130.125	325.	45.	13872.125	117.78	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	03/25/65-11/22/94	61	142.	185.836	1170.	43.	24961.306	157.991	73.2	102.5	242.5	299.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/17/85-11/22/94	16	0.95	1.531	11.	0.2	6.584	2.566	0.2	0.6	1.25	4.7
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/10/63-11/22/94	57	19.	19.544	61.	2.	50.253	7.089	14.	17.	21.	24.
00300p OXYGEN, DISSOLVED MG/L	10/12/67-11/22/94	23	9.9	9.852	12.	8.6	1.101	1.049	8.64	8.8	10.6	11.62
00400p PH (STANDARD UNITS)	08/10/63-11/22/94	25	6.9	6.89	7.4	6.4	0.039	0.198	6.66	6.8	6.99	7.18
00400p CONVERTED PH (STANDARD UNITS)	08/10/63-11/22/94	25	6.9	6.848	7.4	6.4	0.041	0.203	6.66	6.8	6.99	7.18
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/10/63-11/22/94	25	0.126	0.142	0.398	0.04	0.005	0.069	0.068	0.102	0.158	0.22
00403 PH, LAB, STANDARD UNITS SU	10/17/85-11/22/94	16	7.35	7.356	8.2	6.5	0.287	0.535	6.64	6.9	7.9	8.06
00403 CONVERTED PH, LAB, STANDARD UNITS	10/17/85-11/22/94	16	7.347	7.082	8.2	6.5	0.367	0.606	6.64	6.9	7.9	8.06
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/85-11/22/94	16	0.045	0.083	0.316	0.006	0.008	0.09	0.009	0.013	0.126	0.235
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	08/10/63-06/29/94	15	6.	6.2	12.	0.	13.743	3.707	0.	4.	10.	10.8
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/17/85-11/22/94	16	0.015	0.016	0.05	0.005	0.	0.013	0.005	0.005	0.02	0.036
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/17/85-12/07/92	11	0.02	0.017	0.04	0.005	0.	0.013	0.005	0.005	0.03	0.038
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	10/17/85-11/22/94	16##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.007
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/17/85-11/22/94	16##	0.1	0.206	0.6	0.1	0.026	0.161	0.1	0.1	0.375	0.46
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/17/85-11/22/94	16	0.2	0.177	0.3	0.025	0.005	0.074	0.078	0.1	0.2	0.3
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/17/85-11/22/94	16	0.02	0.015	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.023
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	10/17/85-11/22/94	16##	0.005	0.01	0.03	0.005	0.	0.009	0.005	0.005	0.01	0.03
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/17/85-11/22/94	16##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.009	0.013
00900 HARDNESS, TOTAL (MG/L AS CACO3)	08/10/63-12/10/85	8	7.	6.25	8.	4.	3.929	1.982	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	08/10/63-12/10/85	8	0.	0.25	2.	0.	0.5	0.707	**	**	**	**
00915p CALCIUM, DISSOLVED (MG/L AS CA)	08/10/63-11/22/94	24	1.6	1.688	3.9	1.	0.35	0.591	1.05	1.4	1.875	2.25
00925p MAGNESIUM, DISSOLVED (MG/L AS MG)	08/10/63-11/22/94	24	0.4	0.446	0.8	0.2	0.021	0.144	0.25	0.4	0.575	0.65
00930p SODIUM, DISSOLVED (MG/L AS NA)	08/10/63-11/22/94	24	1.	1.004	1.2	0.7	0.02	0.14	0.75	0.9	1.1	1.2
00931 SODIUM ADSORPTION RATIO	08/10/63-12/10/85	7	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	08/10/63-12/10/85	7	29.	26.857	33.	20.	32.476	5.699	**	**	**	**
00935p POTASSIUM, DISSOLVED (MG/L AS K)	08/10/63-11/22/94	24	0.5	0.496	0.7	0.	0.018	0.133	0.35	0.5	0.6	0.6
00940p CHLORIDE,TOTAL IN WATER MG/L	08/10/63-11/22/94	24	0.5	0.575	2.	0.2	0.147	0.384	0.3	0.3	0.675	1.
00945p SULFATE, TOTAL (MG/L AS SO4)	08/10/63-11/22/94	24	2.	2.125	4.	1.	0.723	0.85	1.	2.	2.75	3.5
00950p FLUORIDE, DISSOLVED (MG/L AS F)	08/10/63-11/22/94	24##	0.05	0.05	0.2	0.	0.003	0.053	0.	0.	0.05	0.15
00955p SILICA, DISSOLVED (MG/L AS SIO2)	08/10/63-11/22/94	24	5.65	5.725	6.8	3.8	0.468	0.684	4.8	5.4	6.275	6.55
01000 ARSENIC, DISSOLVED (UG/L AS AS)	10/08/70-02/05/91	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005 BARIUM, DISSOLVED (UG/L AS BA)	10/17/85-11/22/94	9	8.	9.444	26.	5.	41.028	6.405	5.	6.	9.5	26.
01025 CADMIUM, DISSOLVED (UG/L AS CD)	09/30/68-02/05/91	4##	0.5	0.375	0.5	0.	0.063	0.25	**	**	**	**
01035p COBALT, DISSOLVED (UG/L AS CO)	09/30/68-11/22/94	10##	1.5	1.35	1.5	0.	0.225	0.474	0.15	1.5	1.5	1.5
01046p IRON, DISSOLVED (UG/L AS FE)	08/10/63-11/22/94	17	14.	15.706	60.	0.	188.846	13.742	3.2	7.	20.	36.
01049 LEAD, DISSOLVED (UG/L AS PB)	09/30/68-02/05/91	4##	2.5	4.	10.	1.	16.5	4.062	**	**	**	**
01056p MANGANESE, DISSOLVED (UG/L AS MN)	08/10/63-11/22/94	18	0.75	5.056	30.	0.	91.761	9.579	0.	0.	4.75	30.
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/17/85-11/22/94	9##	5.	6.111	10.	5.	4.861	2.205	5.	5.	7.5	10.
01065p NICKEL, DISSOLVED (UG/L AS NI)	09/30/68-11/22/94	10##	0.5	0.85	4.	0.	1.281	1.132	0.05	0.5	0.625	3.7
01075p SILVER, DISSOLVED (UG/L AS AG)	09/30/68-11/22/94	10##	0.5	0.45	0.5	0.	0.025	0.158	0.05	0.5	0.5	0.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

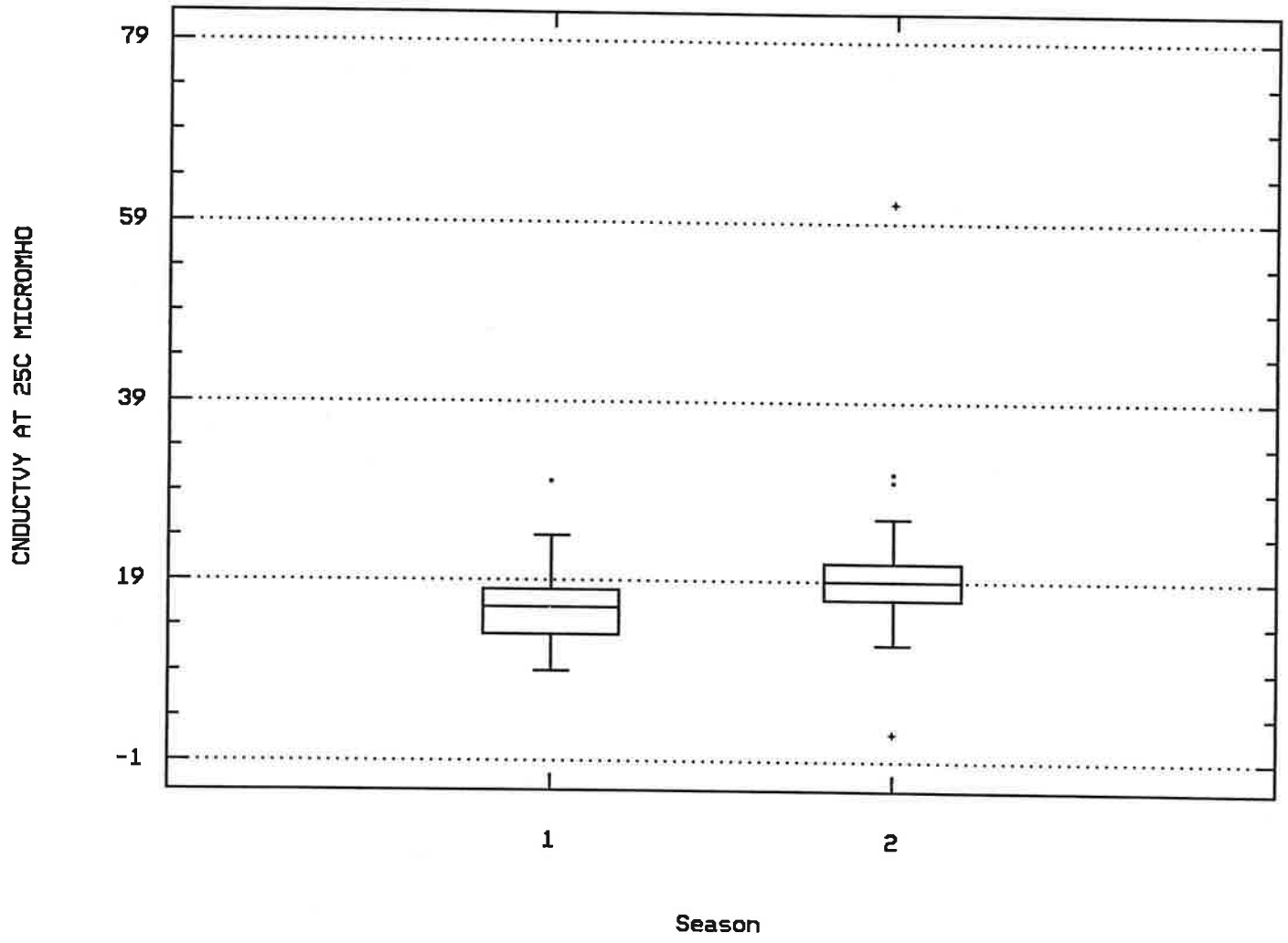
Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0182

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01080p STRONTIUM, DISSOLVED (UG/L AS SR)	09/30/68-11/22/94	10	10.	8.8	12.	0.	11.511	3.393	0.8	8.	11.	11.9
01085 VANADIUM, DISSOLVED (UG/L AS V)	10/17/85-11/22/94	9##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090 ZINC, DISSOLVED (UG/L AS ZN)	09/30/68-02/05/91	4	8.	7.5	14.	0.	35.667	5.972	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	10/17/85-11/22/94	9	20.	16.667	40.	5.	118.75	10.897	5.	7.5	20.	40.
01130p LITHIUM, DISSOLVED (UG/L AS LI)	09/30/68-11/22/94	10##	2.	1.8	2.	0.	0.4	0.632	0.2	2.	2.	2.
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/17/85-11/22/94	9##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
03515p BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/12/67-02/24/93	6	1.15	1.233	2.	0.7	0.195	0.441	**	**	**	**
03516p BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/12/67-02/24/93	6##	0.55	0.617	1.1	0.2	0.158	0.397	**	**	**	**
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/17/85-11/22/94	18	15.	83.611	1040.	1.	58127.663	241.097	1.9	7.5	45.25	230.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/17/85-11/22/94	18	1.176	1.257	3.017	0.	0.469	0.685	0.271	0.872	1.65	2.233
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	18.079								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/17/85-11/22/94	19	89.	108.368	360.	2.	10277.246	101.377	2.	8.	170.	274.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	10/17/85-11/22/94	19	1.949	1.679	2.556	0.301	0.566	0.753	0.301	0.903	2.23	2.438
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR			GEOMETRIC MEAN =	47.788								
39086 ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	10/29/86-11/22/94	14	5.	5.5	12.	3.	4.423	2.103	3.5	4.	6.	9.
70300p RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/10/63-11/22/94	24	15.	15.292	25.	8.	16.476	4.059	9.5	13.	18.	21.5
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/05/66-12/10/85	6	15.	15.667	19.	13.	5.867	2.422	**	**	**	**
70331p SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	03/25/65-08/24/94	14	70.	74.286	100.	55.	282.066	16.795	55.5	58.5	89.	100.
80030p ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/12/67-02/24/93	6##	0.3	0.333	0.7	0.2	0.035	0.186	**	**	**	**
80040p ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/12/67-02/24/93	6##	0.3	0.45	1.	0.2	0.107	0.327	**	**	**	**
80050p BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/12/67-02/24/93	6	1.05	1.117	1.7	0.7	0.122	0.349	**	**	**	**
80060p BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/12/67-02/24/93	6##	0.5	0.567	1.1	0.2	0.127	0.356	**	**	**	**
80154p SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	03/25/65-08/24/94	28	3.	3.586	8.	0.4	5.469	2.339	0.5	2.	5.	8.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	03/25/65-09/16/82	13	1.1	2.211	9.6	0.35	7.183	2.68	0.418	0.745	2.5	8.12

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GRSM0182 Parameter Code: 00095

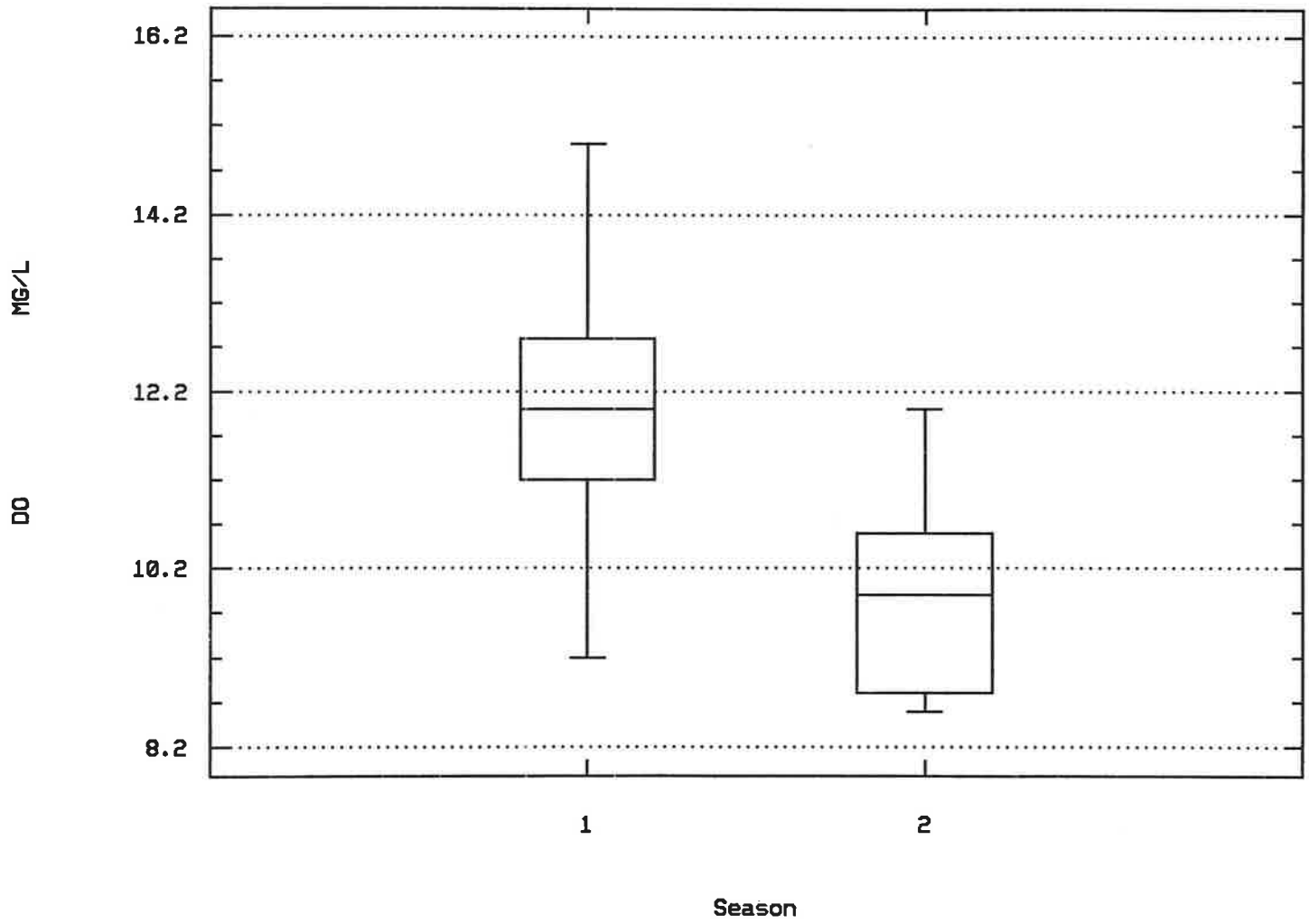
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 00300

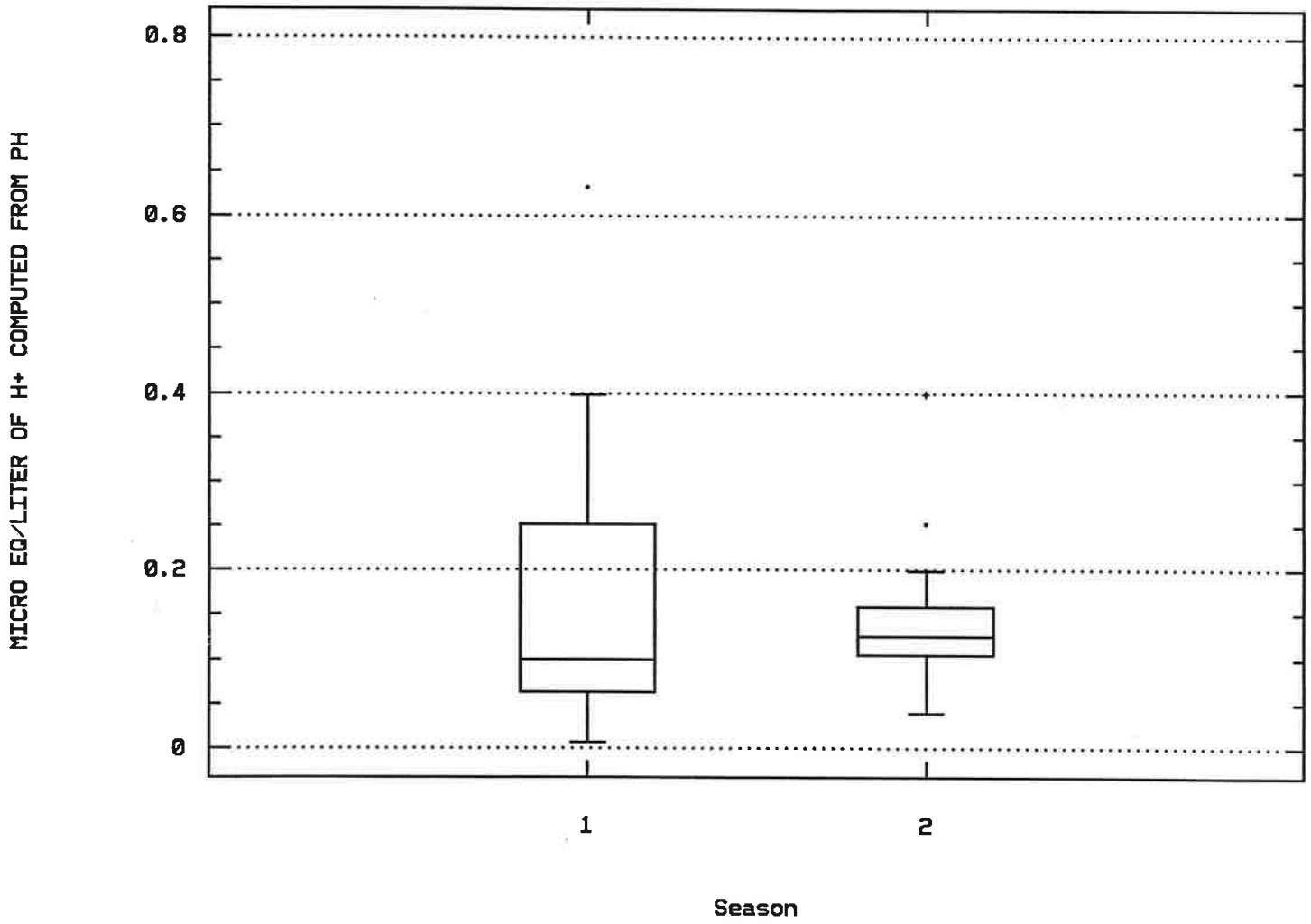
OXYGEN, DISSOLVED



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 00400

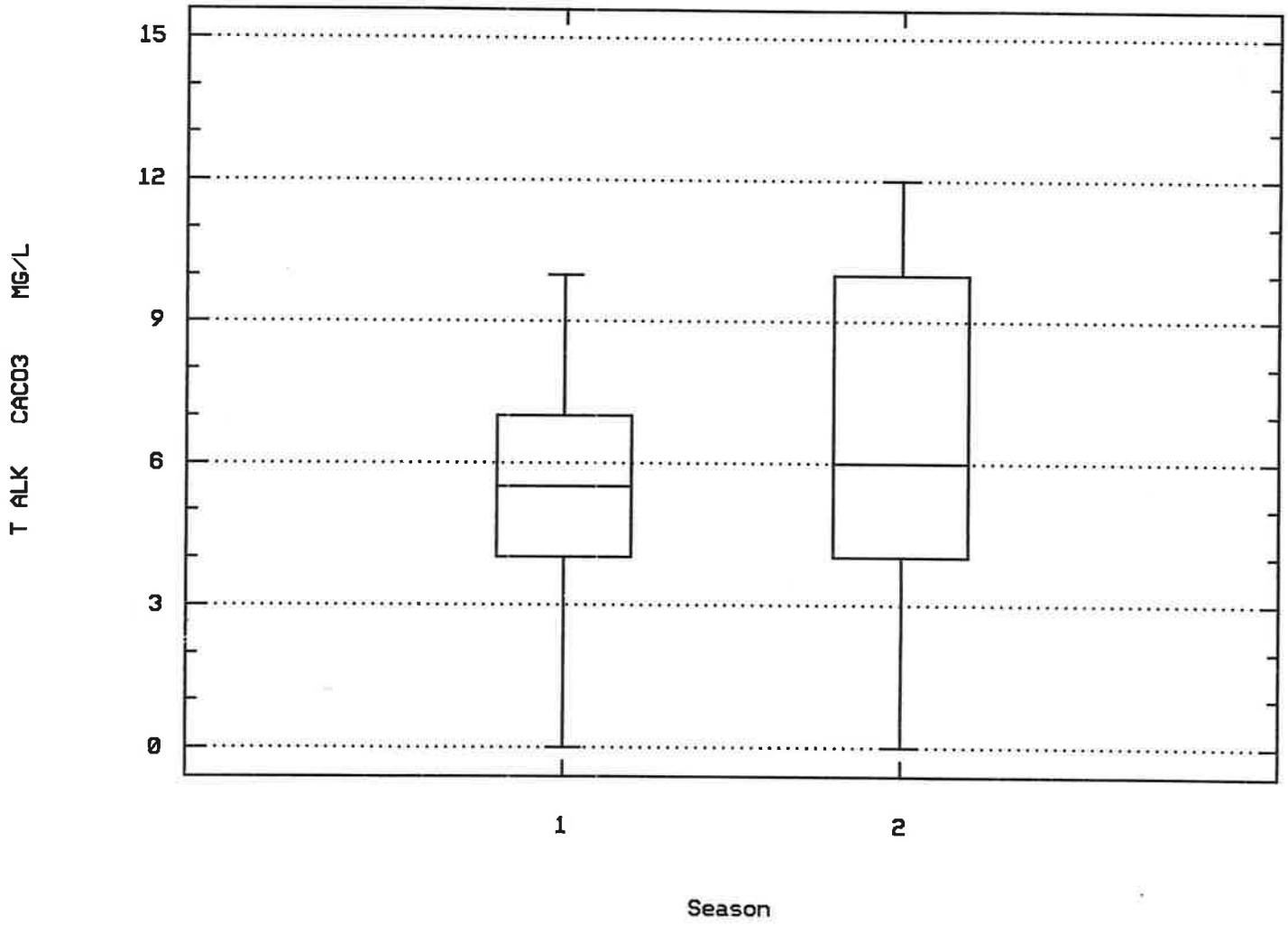
MICRO EQ/LITER OF H+ COMPUTED FROM PH



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 00410

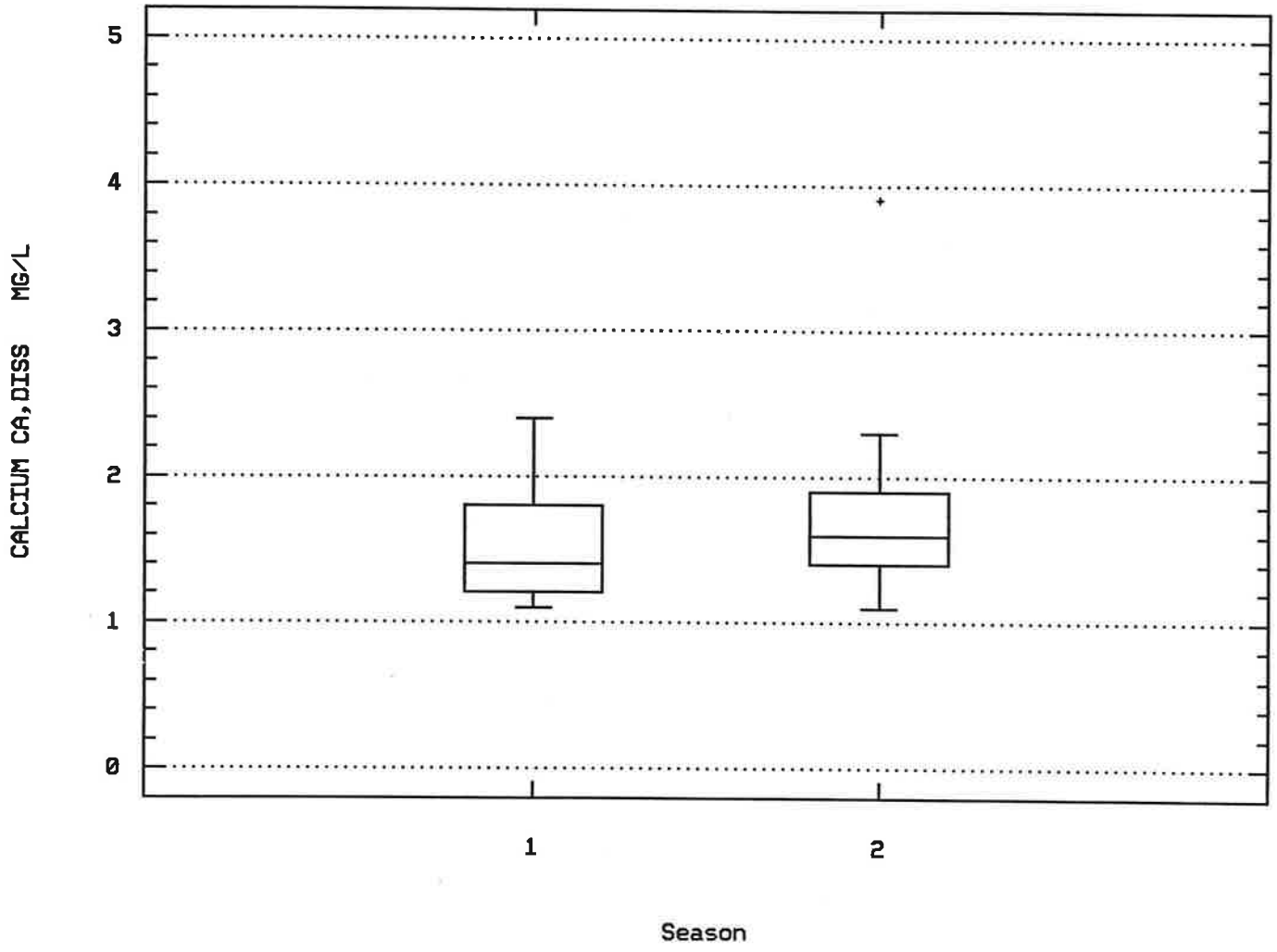
ALKALINITY, TOTAL (MG/L AS CACO3)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 00915

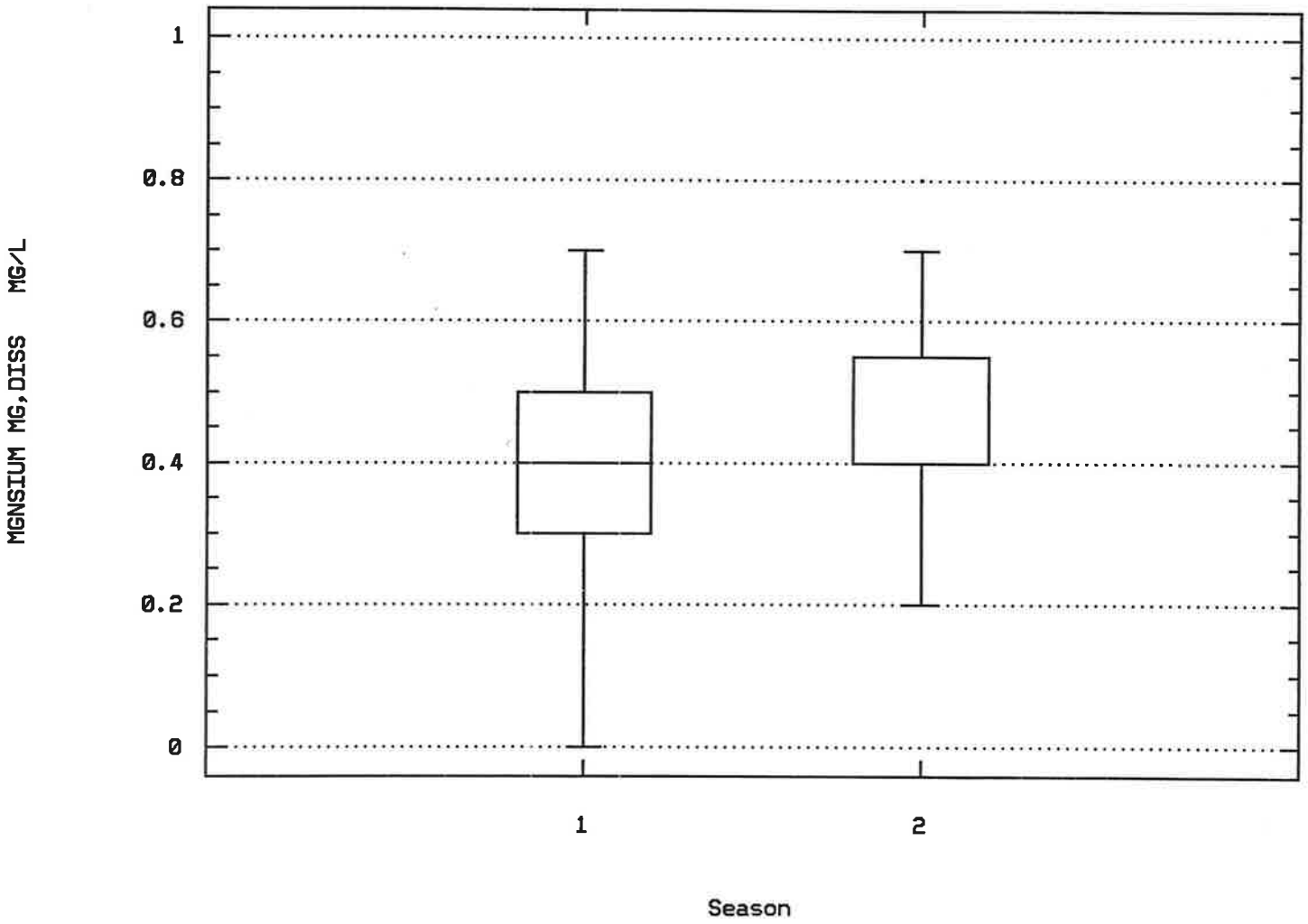
CALCIUM, DISSOLVED (MG/L AS CA)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 00925

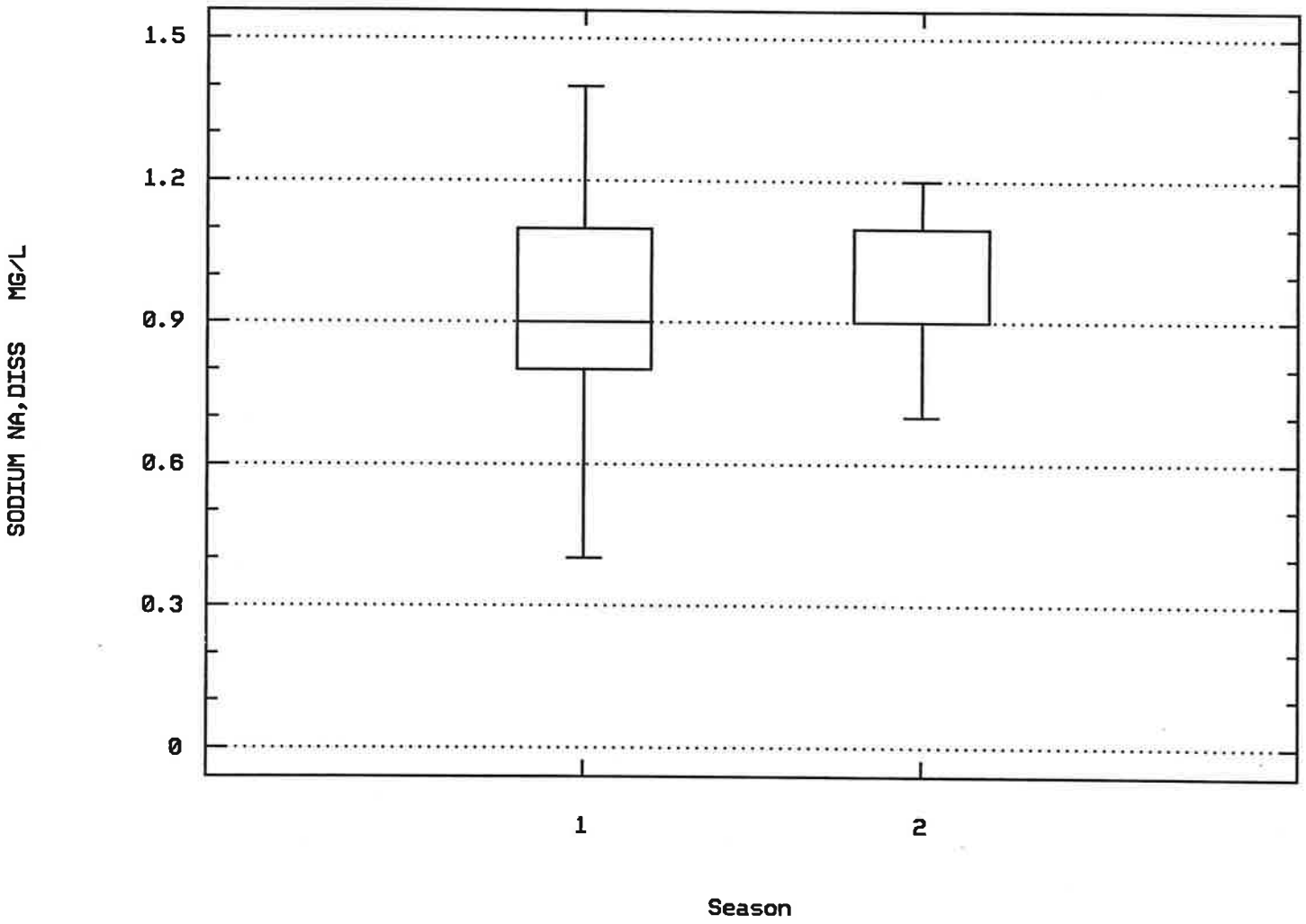
MAGNESIUM, DISSOLVED (MG/L AS MG)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 00930

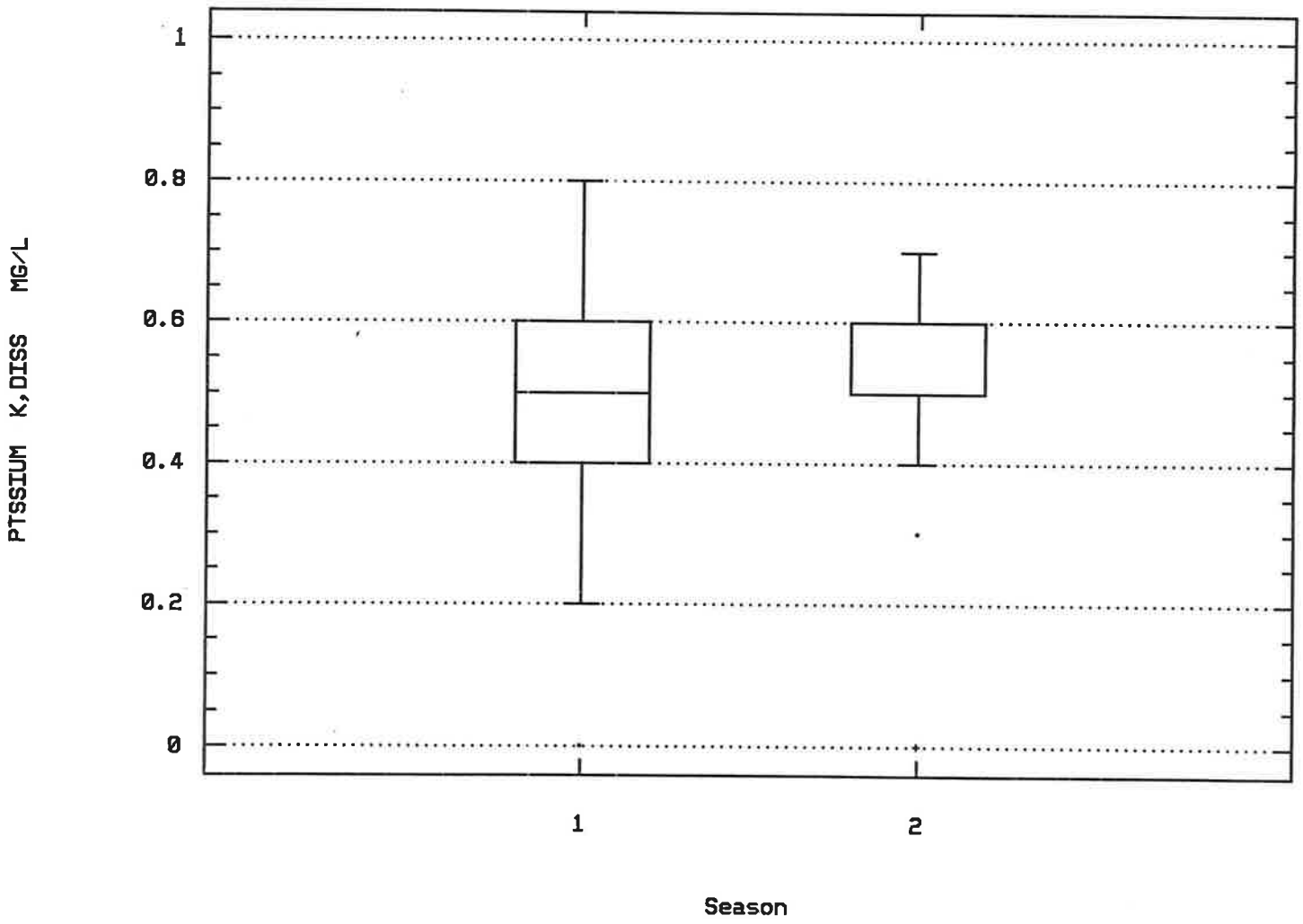
SODIUM, DISSOLVED (MG/L AS NA)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 00935

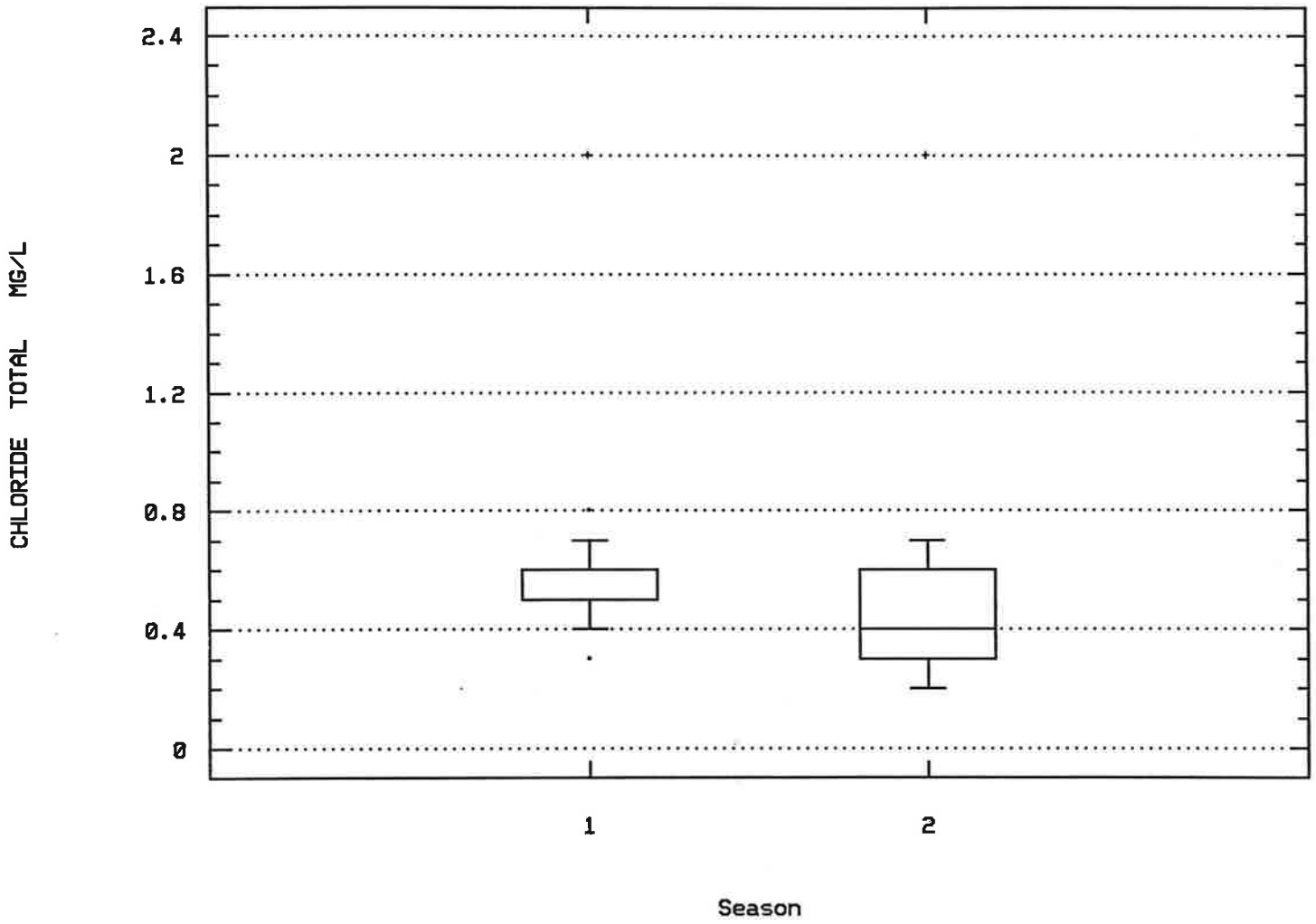
POTASSIUM, DISSOLVED (MG/L AS K)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 00940

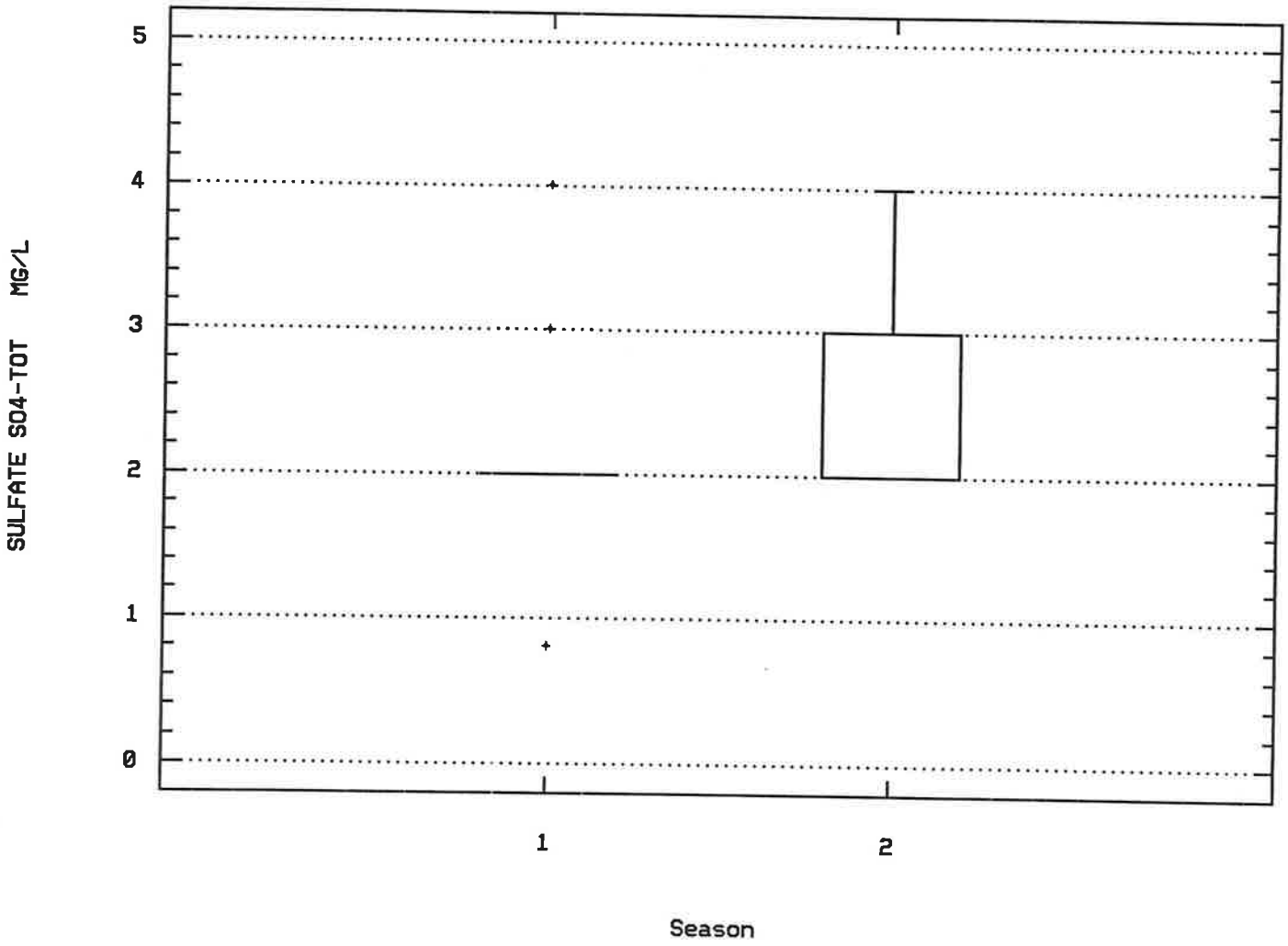
CHLORIDE,TOTAL IN WATER



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 00945

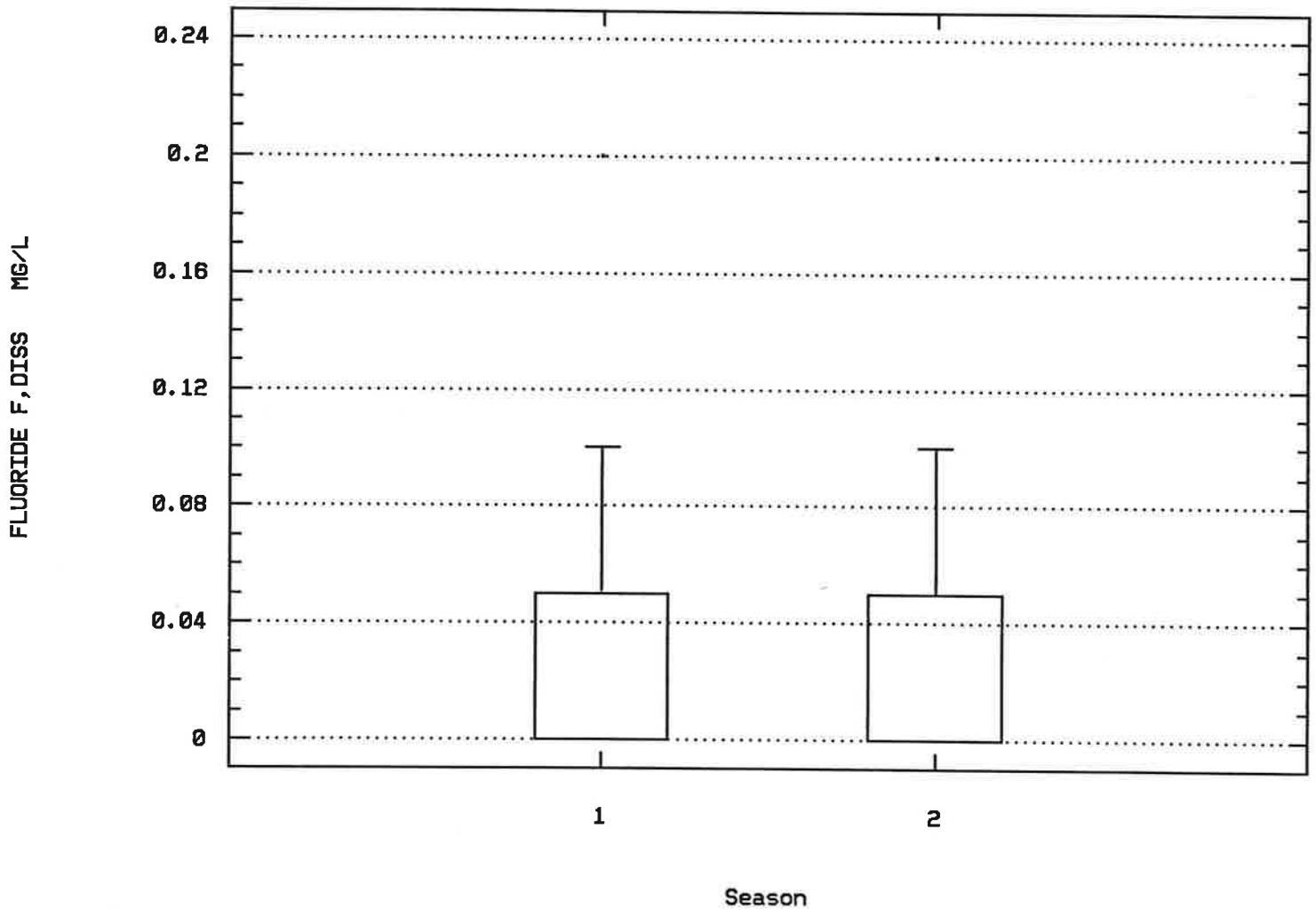
SULFATE, TOTAL (MG/L AS SO4)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 00950

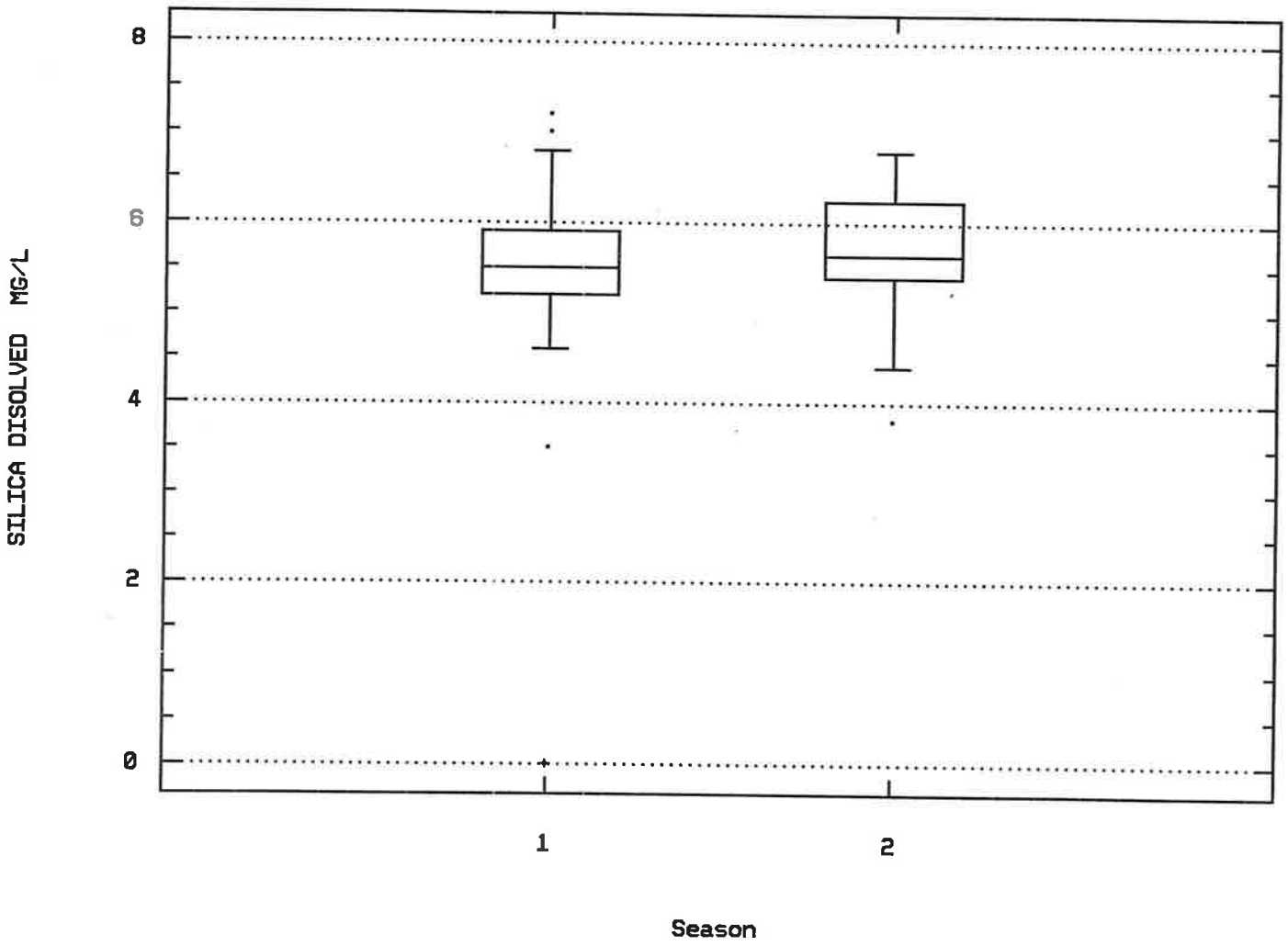
FLUORIDE, DISSOLVED (MG/L AS F)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 00955

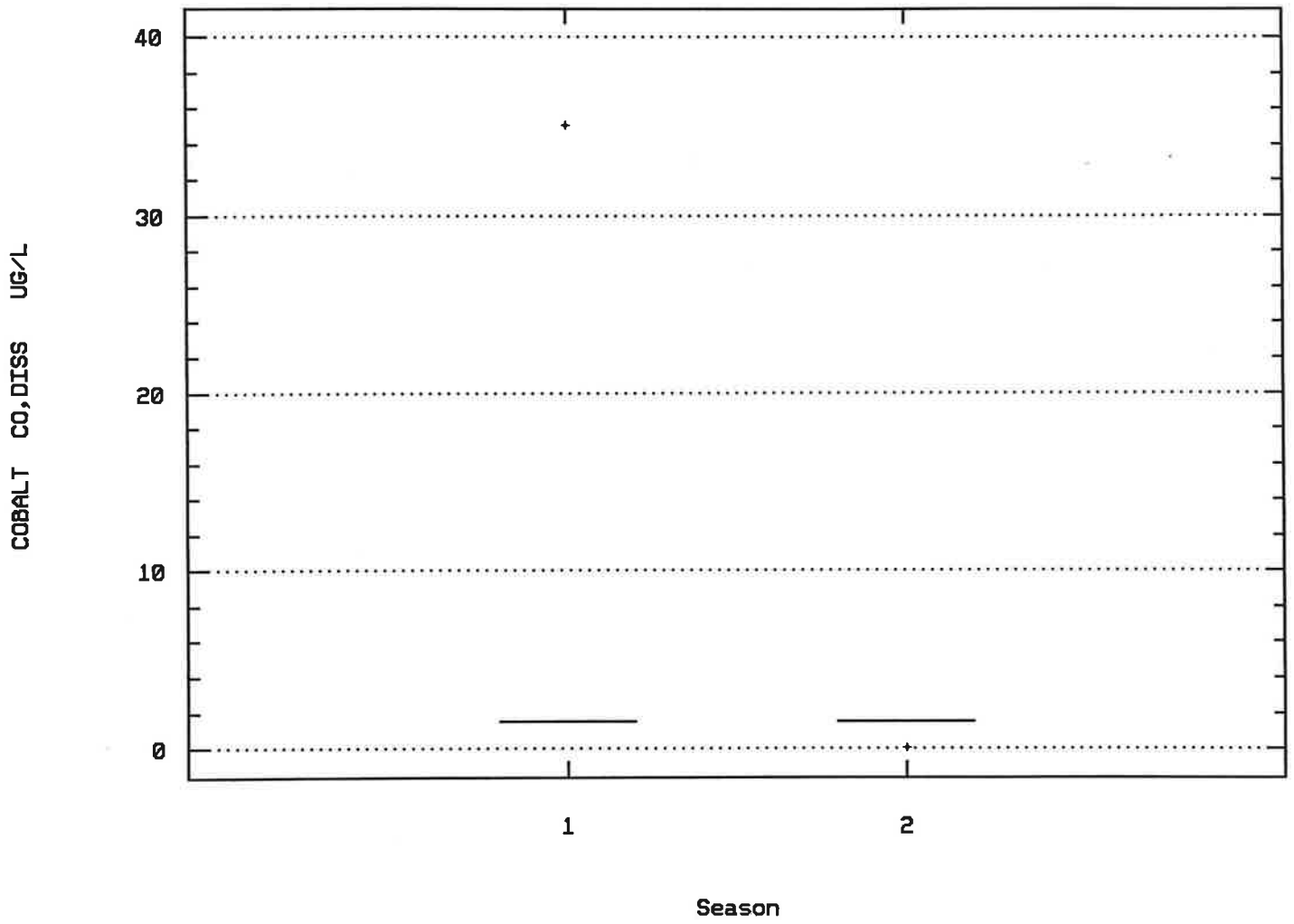
SILICA, DISSOLVED (MG/L AS SI02)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 01035

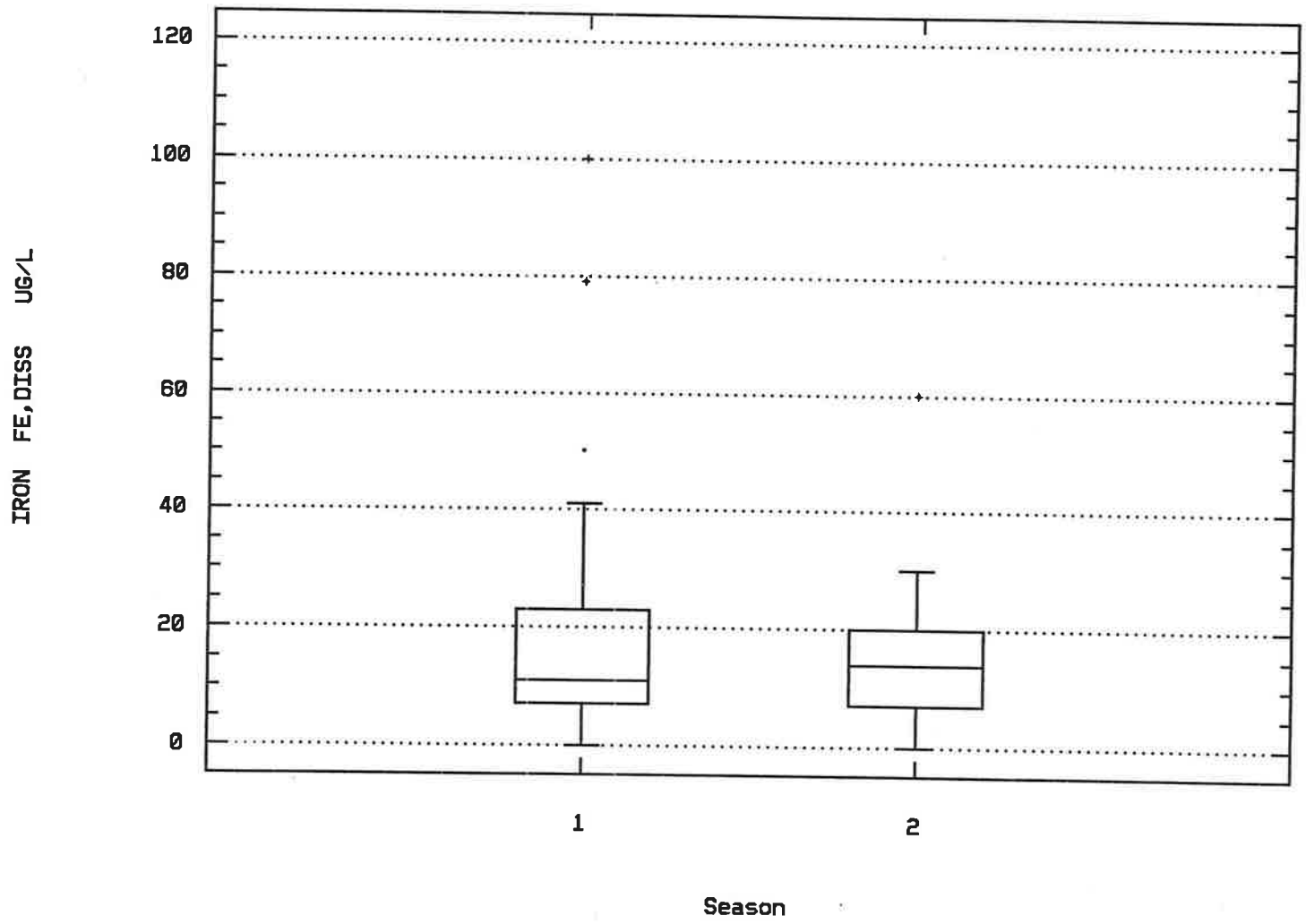
COBALT, DISSOLVED (UG/L AS CO)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 01046

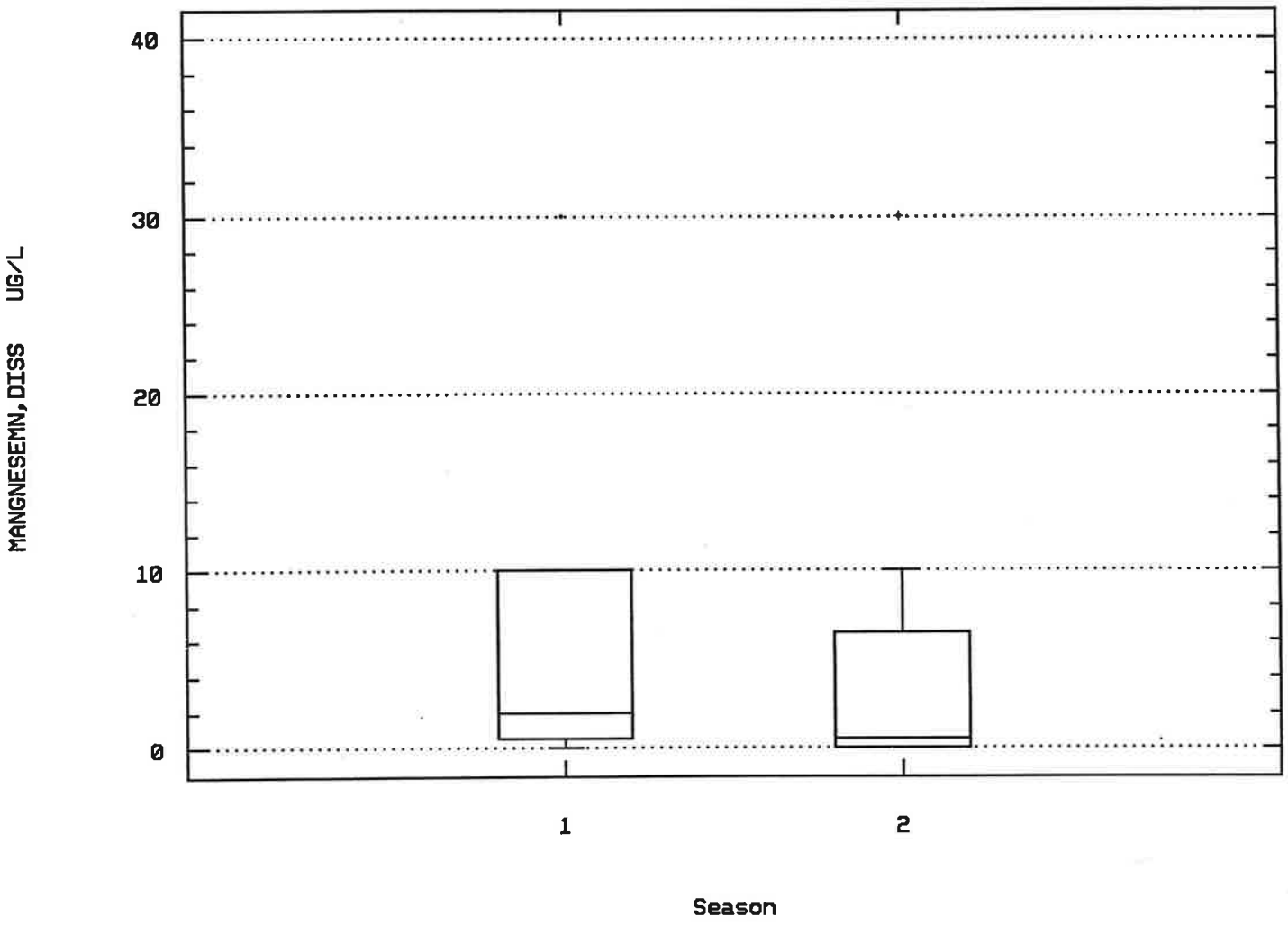
IRON, DISSOLVED (UG/L AS FE)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 01056

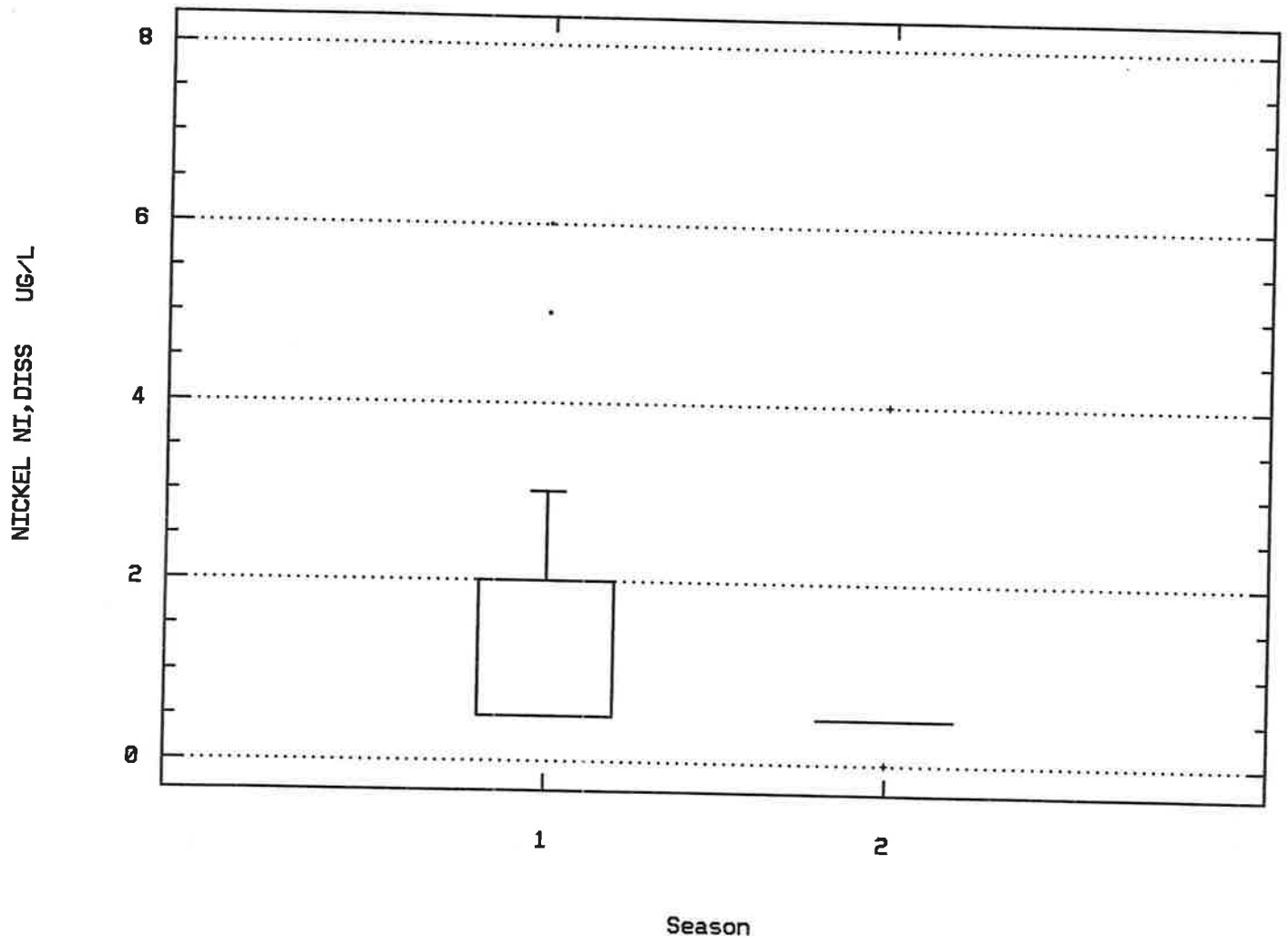
MANGANESE, DISSOLVED (UG/L AS MN)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 01065

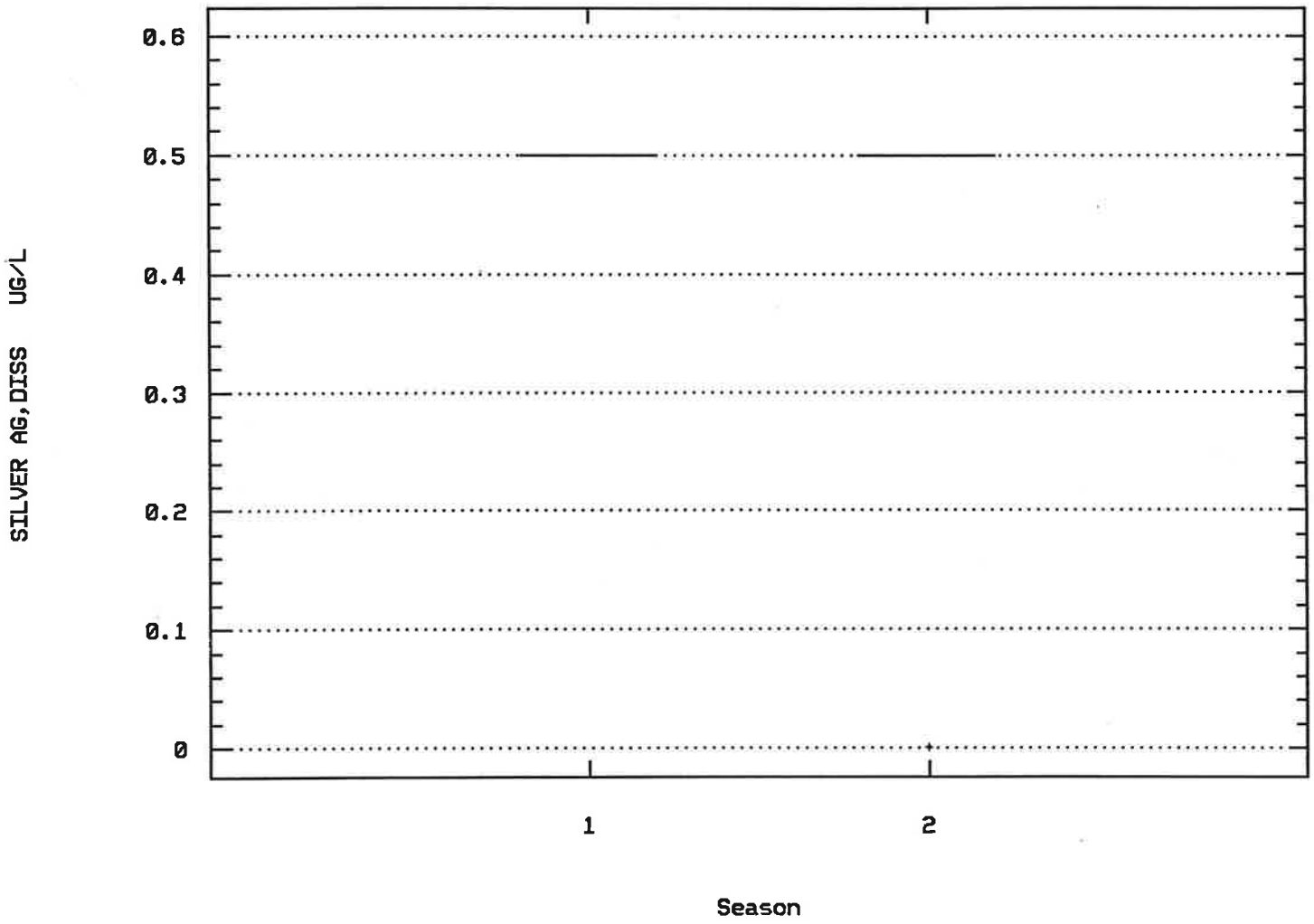
NICKEL, DISSOLVED (UG/L AS NI)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 01075

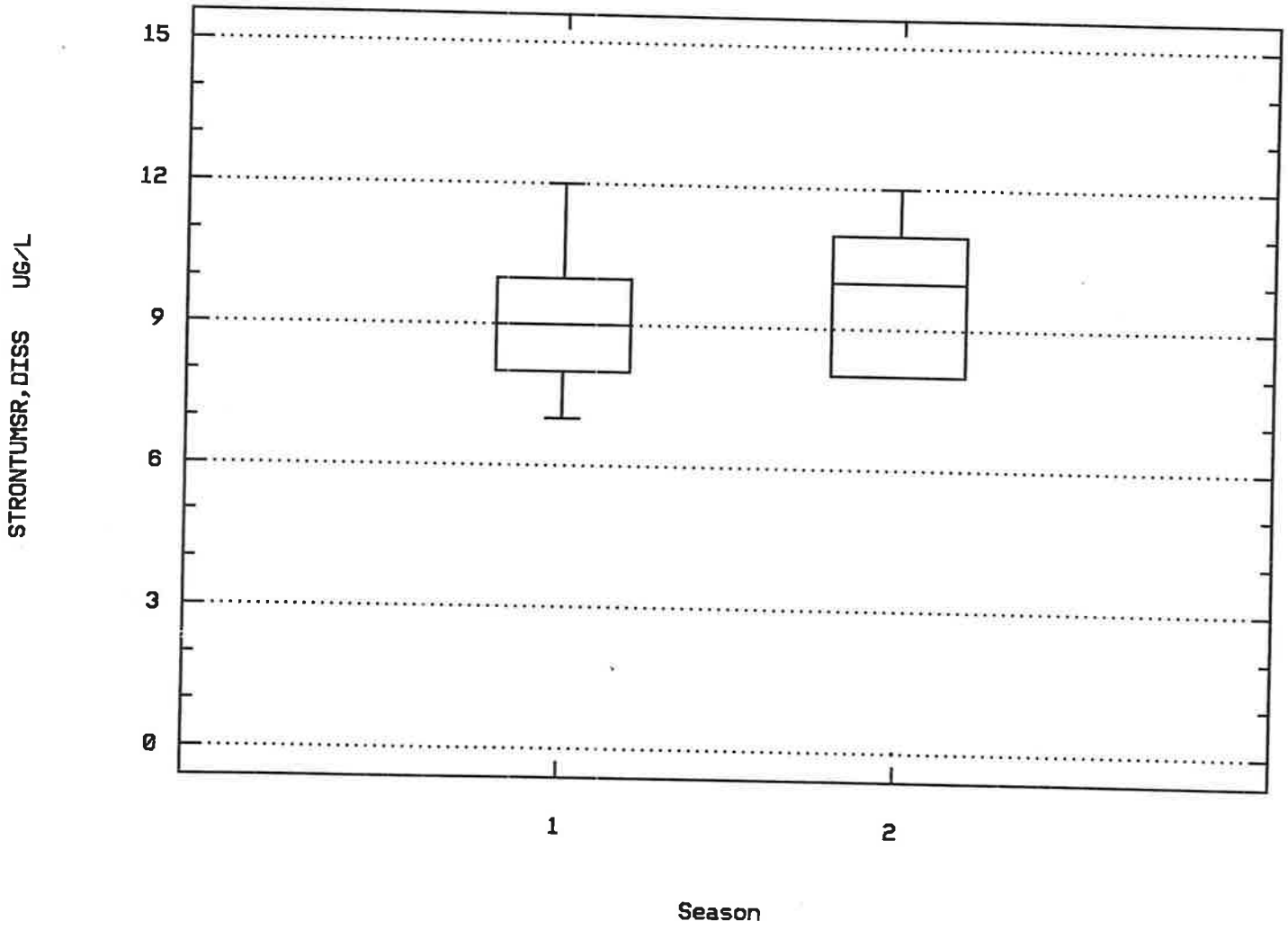
SILVER, DISSOLVED (UG/L AS AG)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 01080

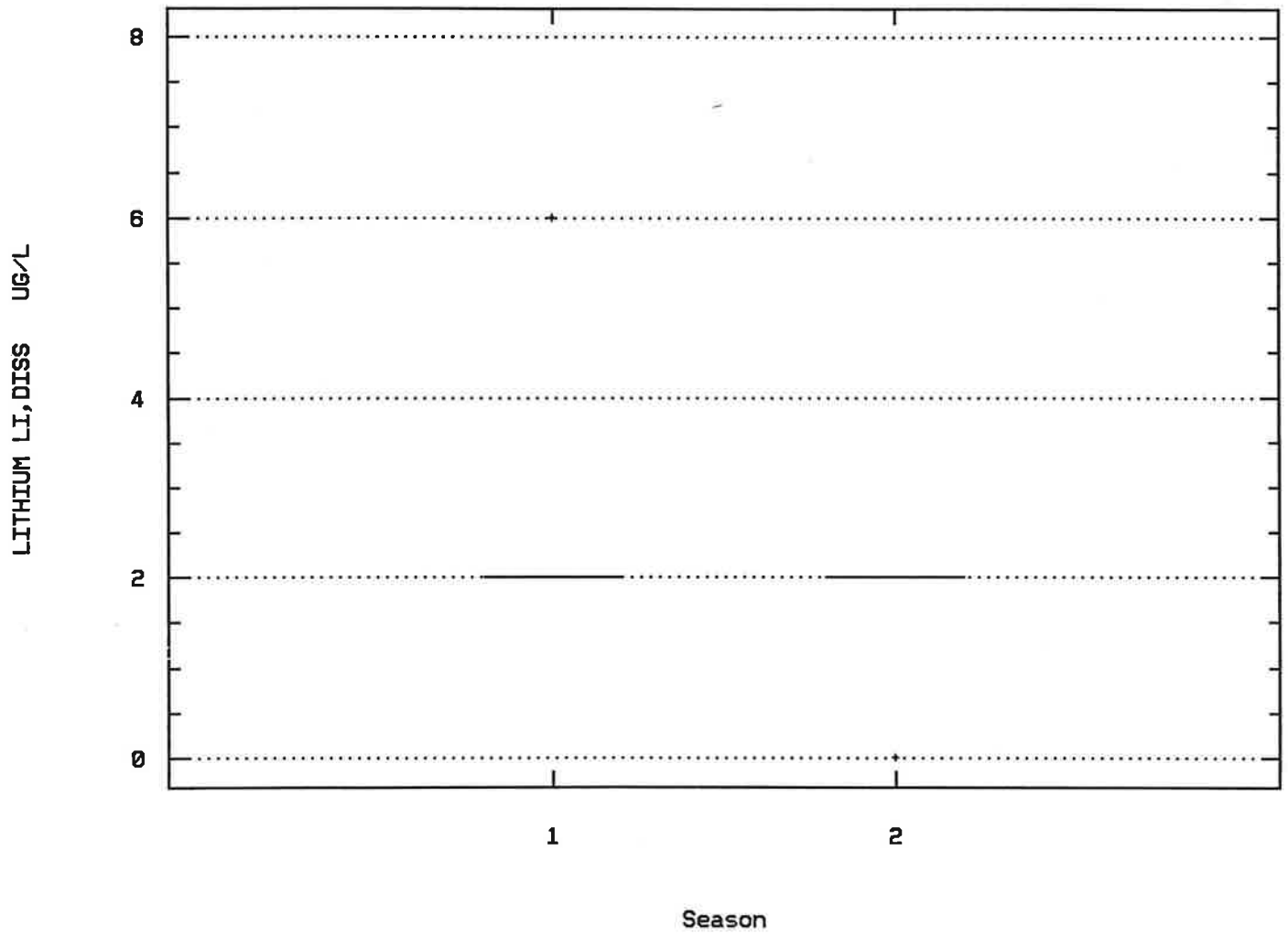
STRONTIUM, DISSOLVED (UG/L AS SR)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 01130

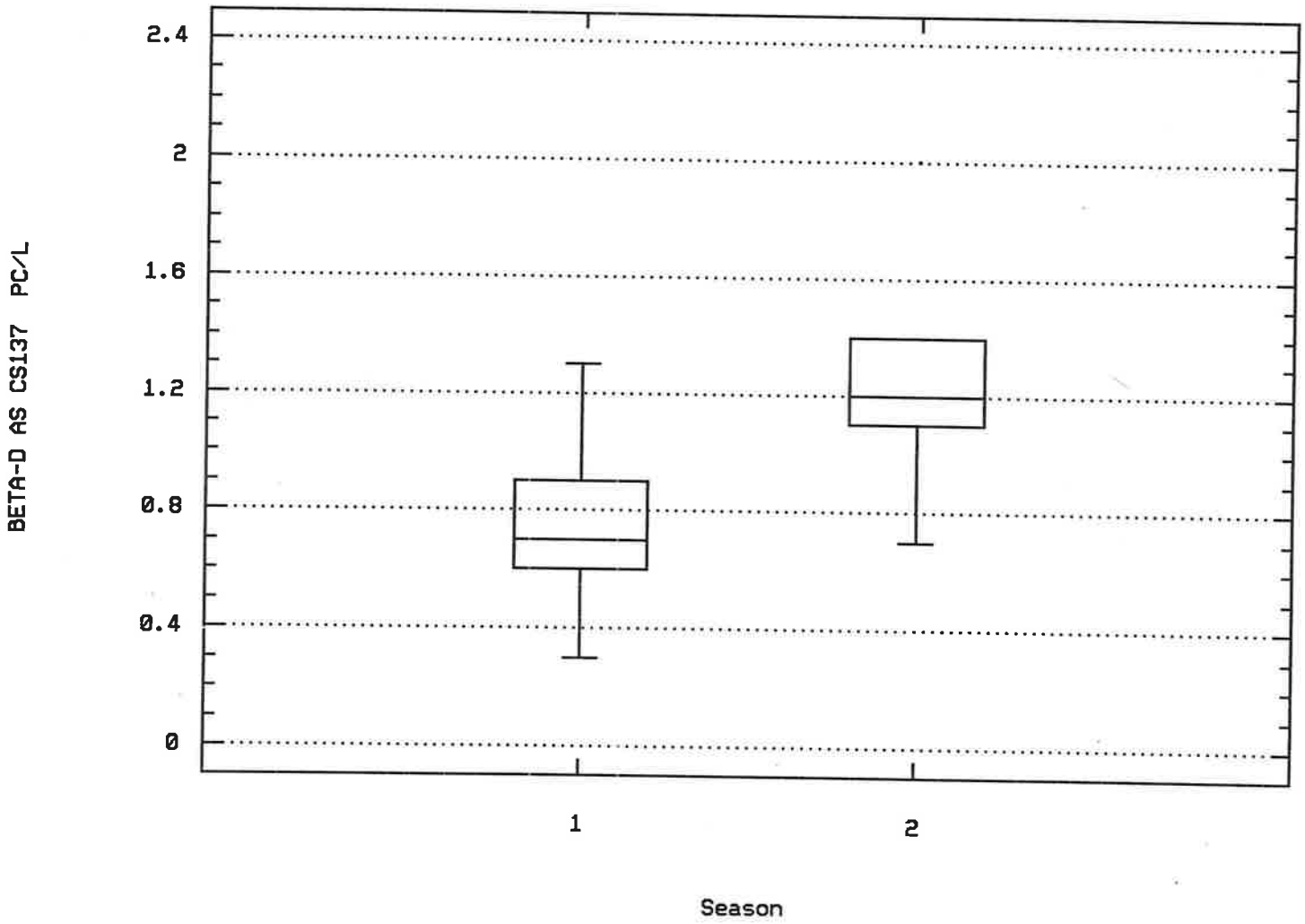
LITHIUM, DISSOLVED (UG/L AS LI)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 03515

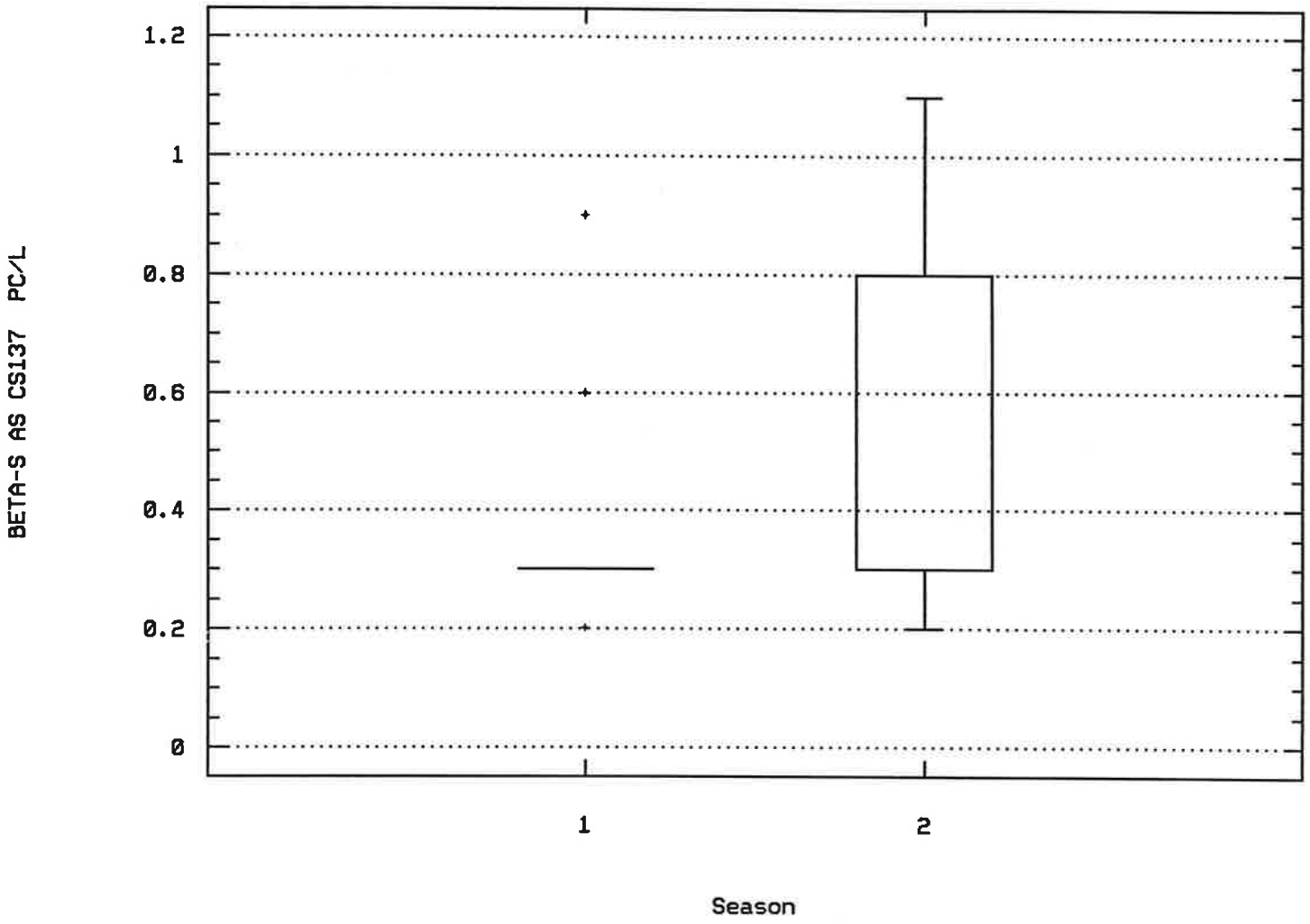
BETA, DISSOLVED GROSS, AS CS-137, PC/L



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 03516

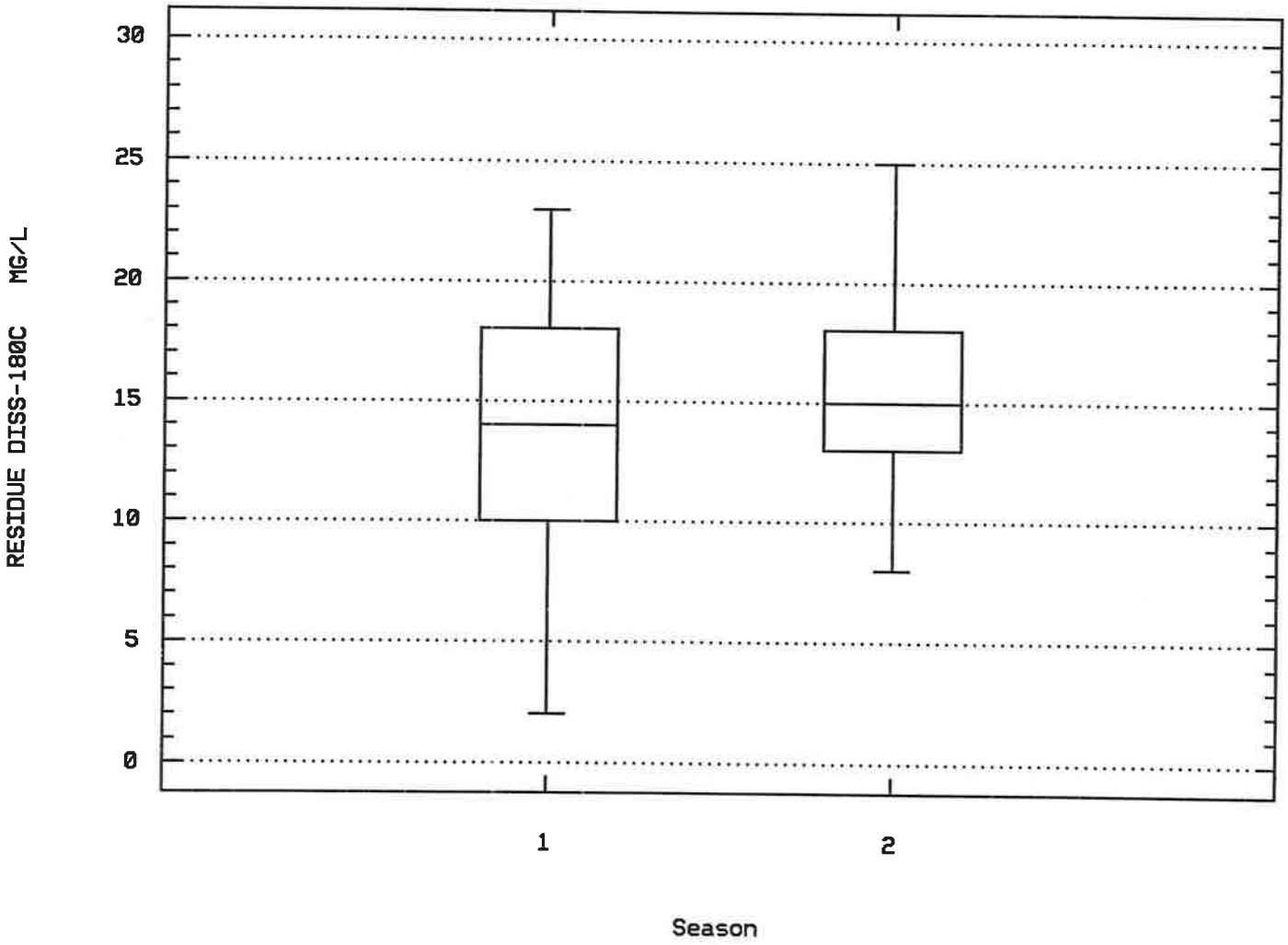
BETA, SUSPENDED GROSS, AS CS-137, PC/L



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 70300

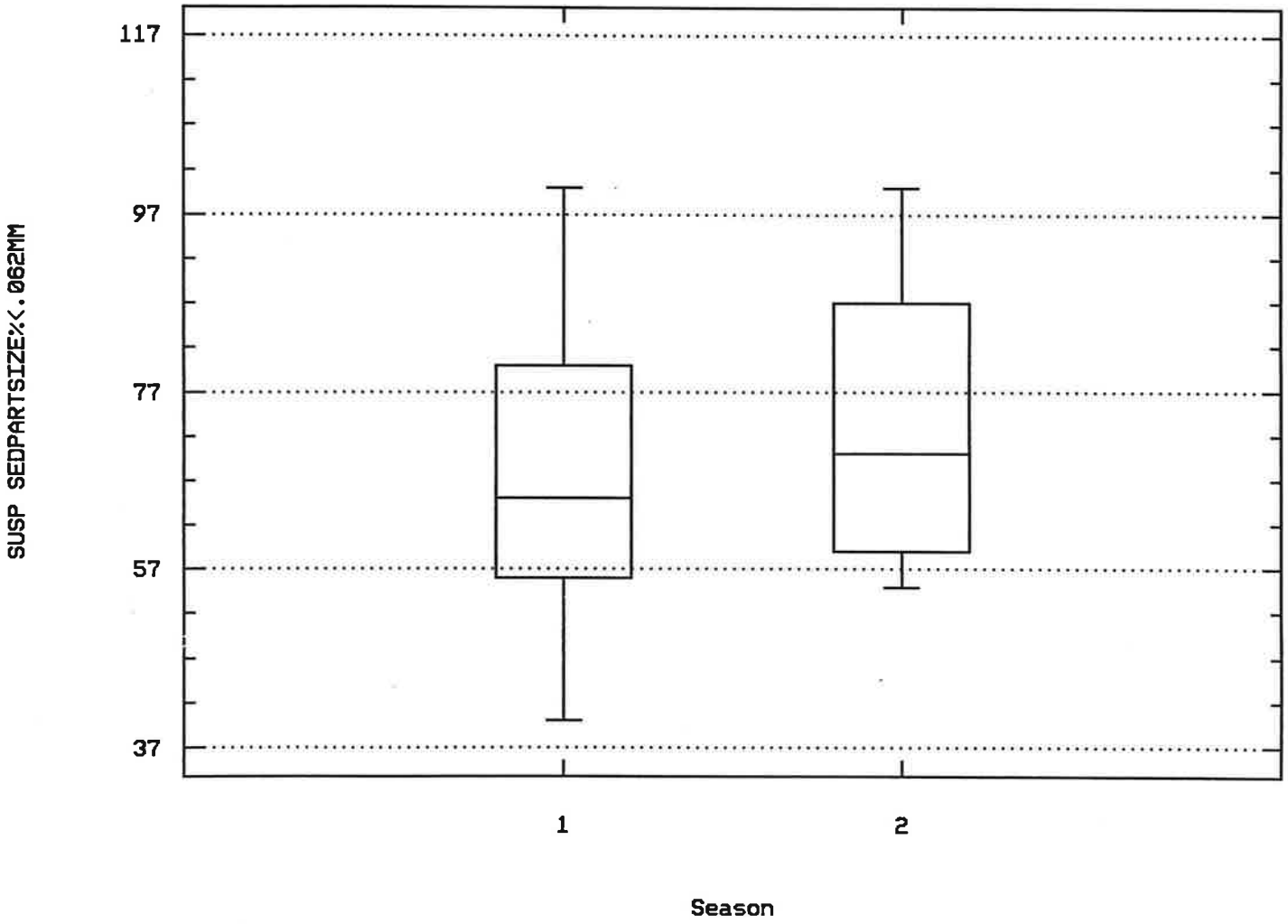
RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 70331

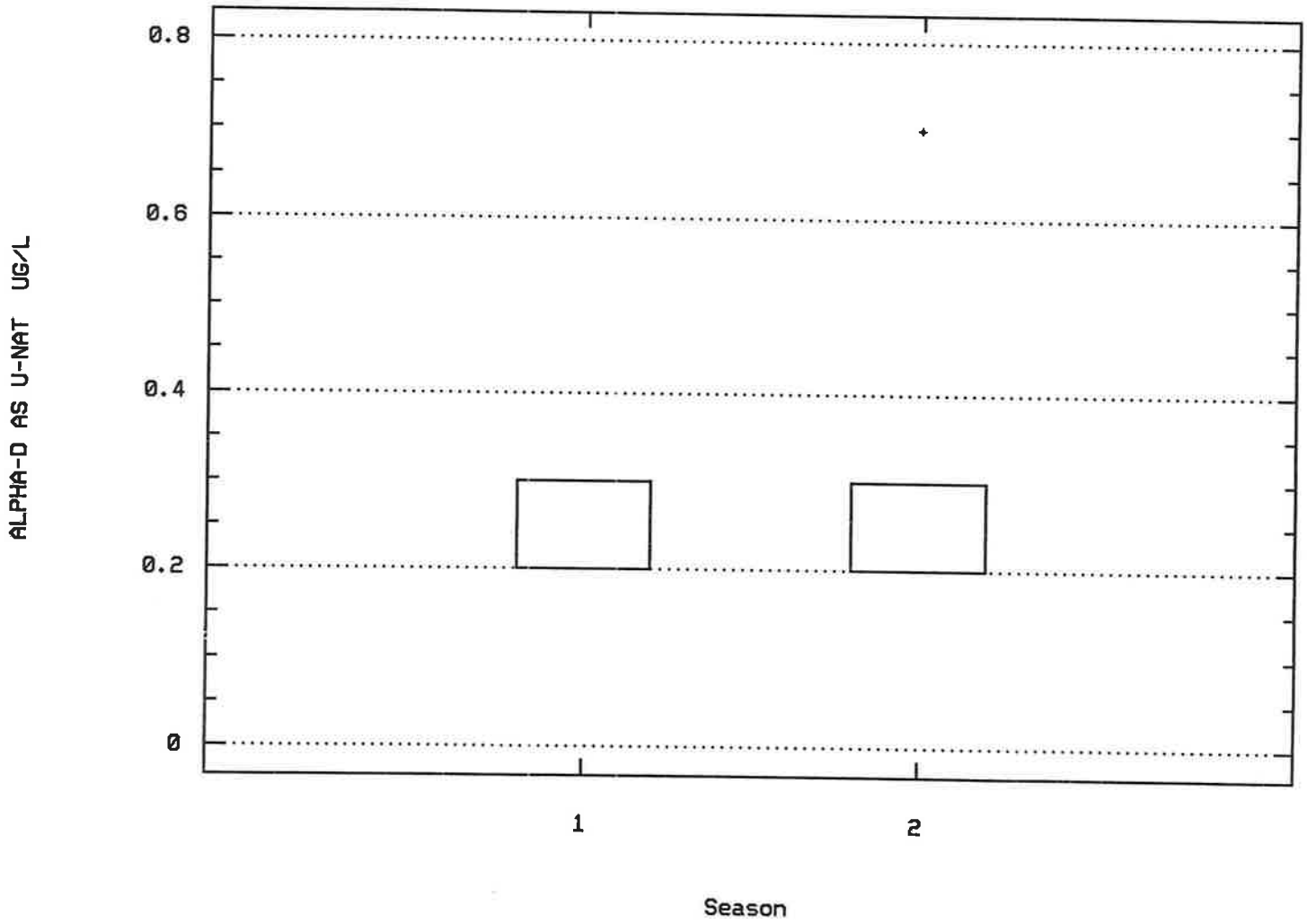
SUSPENDED SED SIEVE DIAMETER,% FINER TH



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 80030

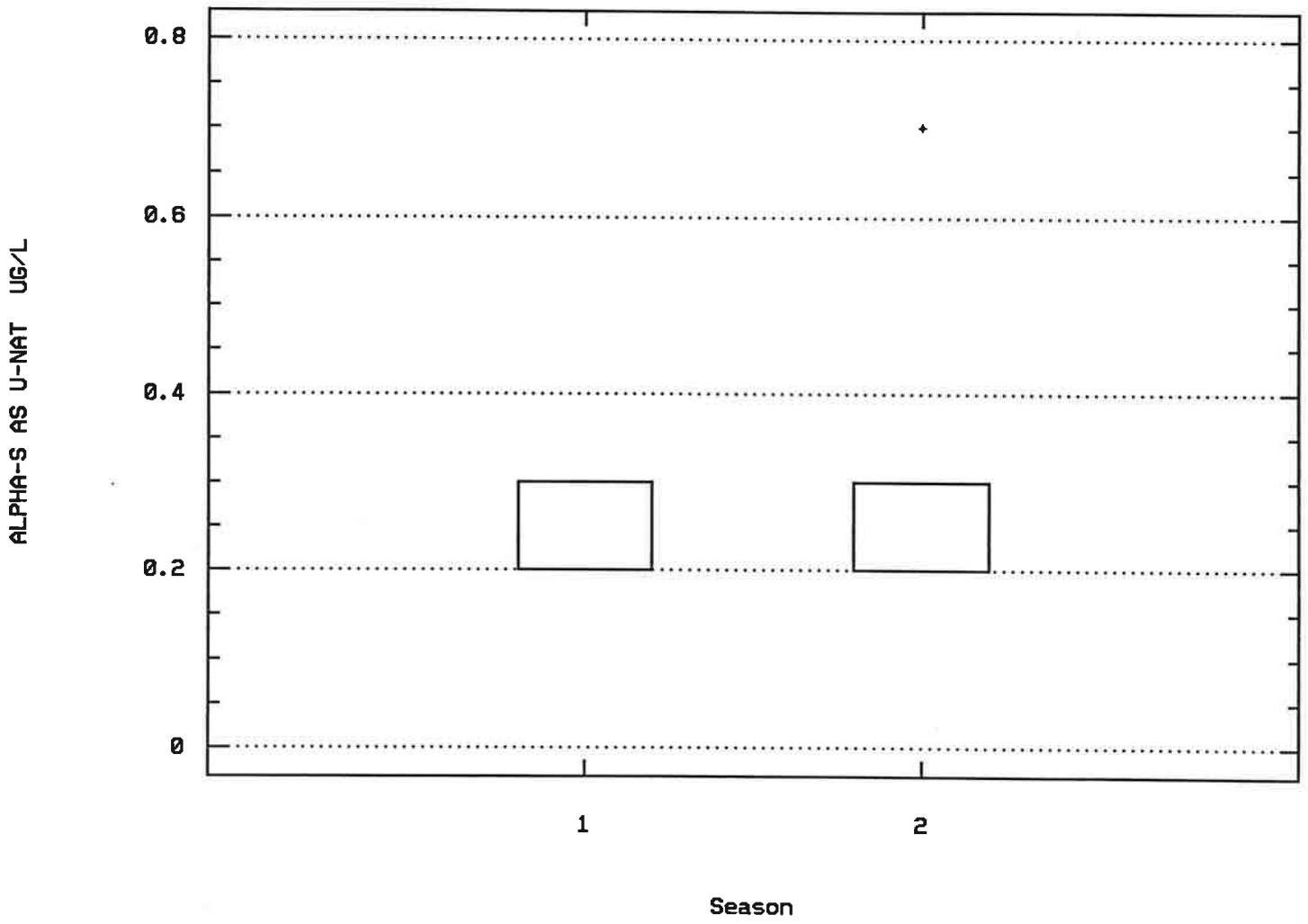
ALPHA,DISSOLVED GROSS,AS URANIUM-NATURA



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 80040

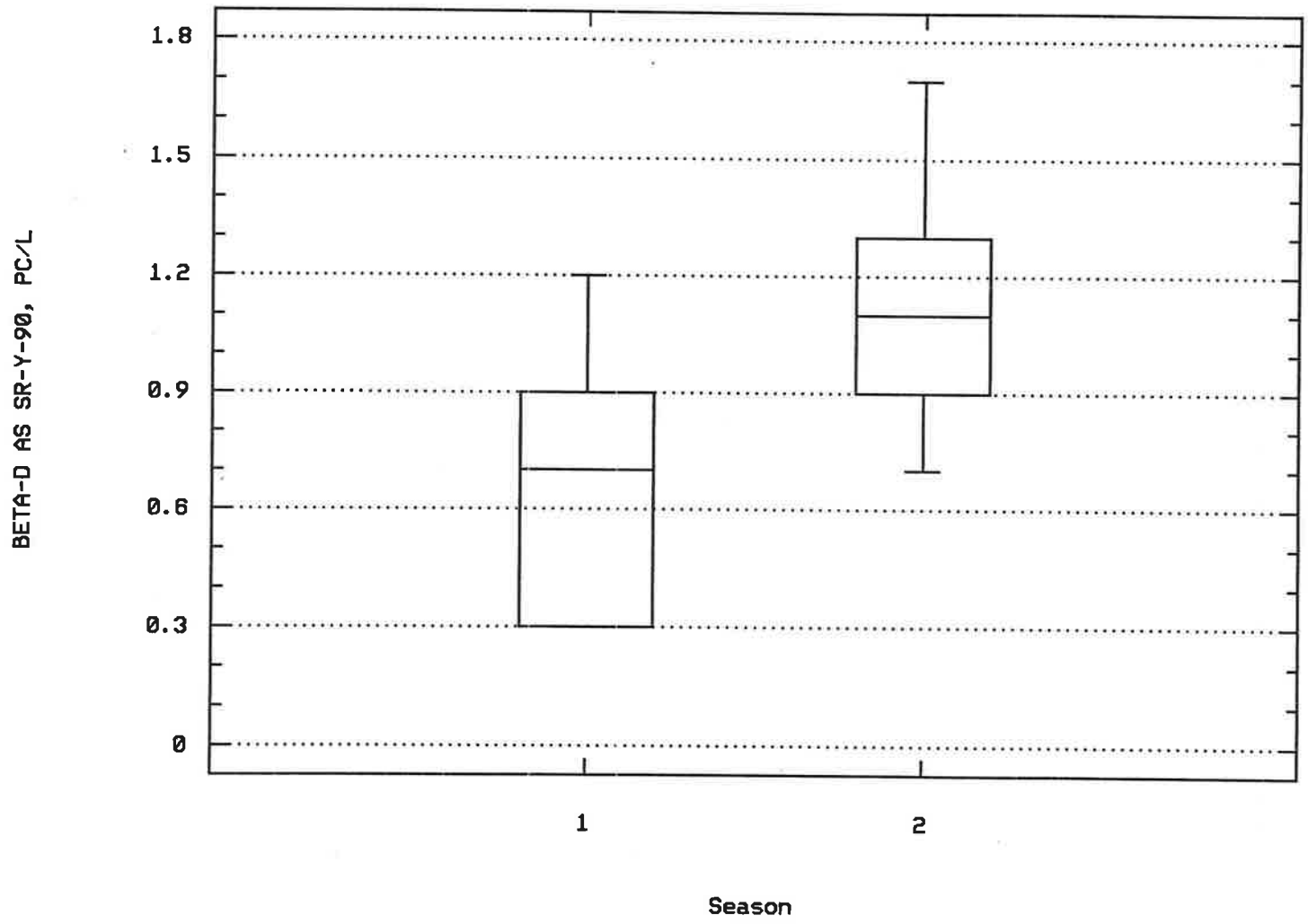
ALPHA,SUSPENDED GROSS, AS URANIUM-NATUR



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 80050

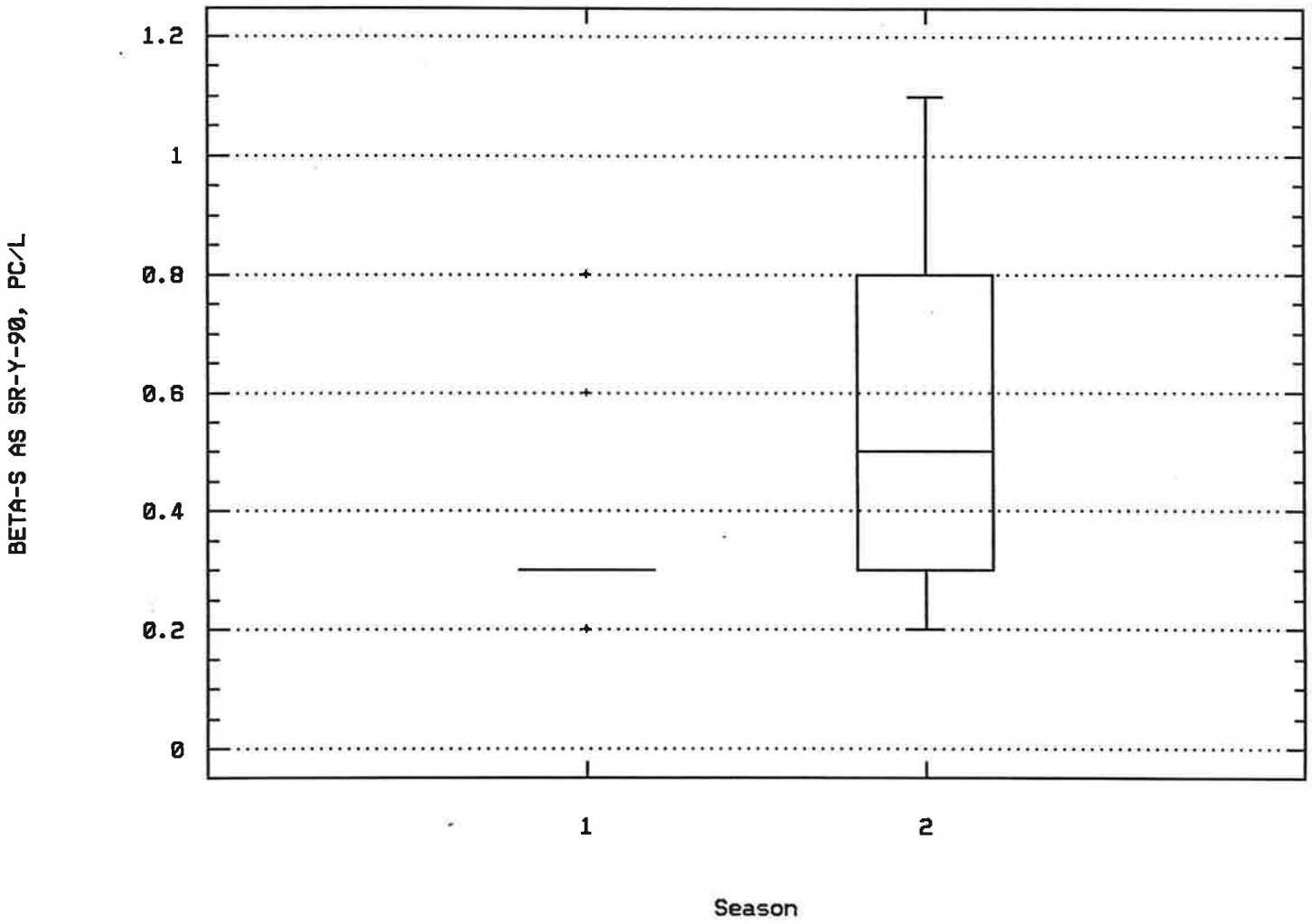
BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 80060

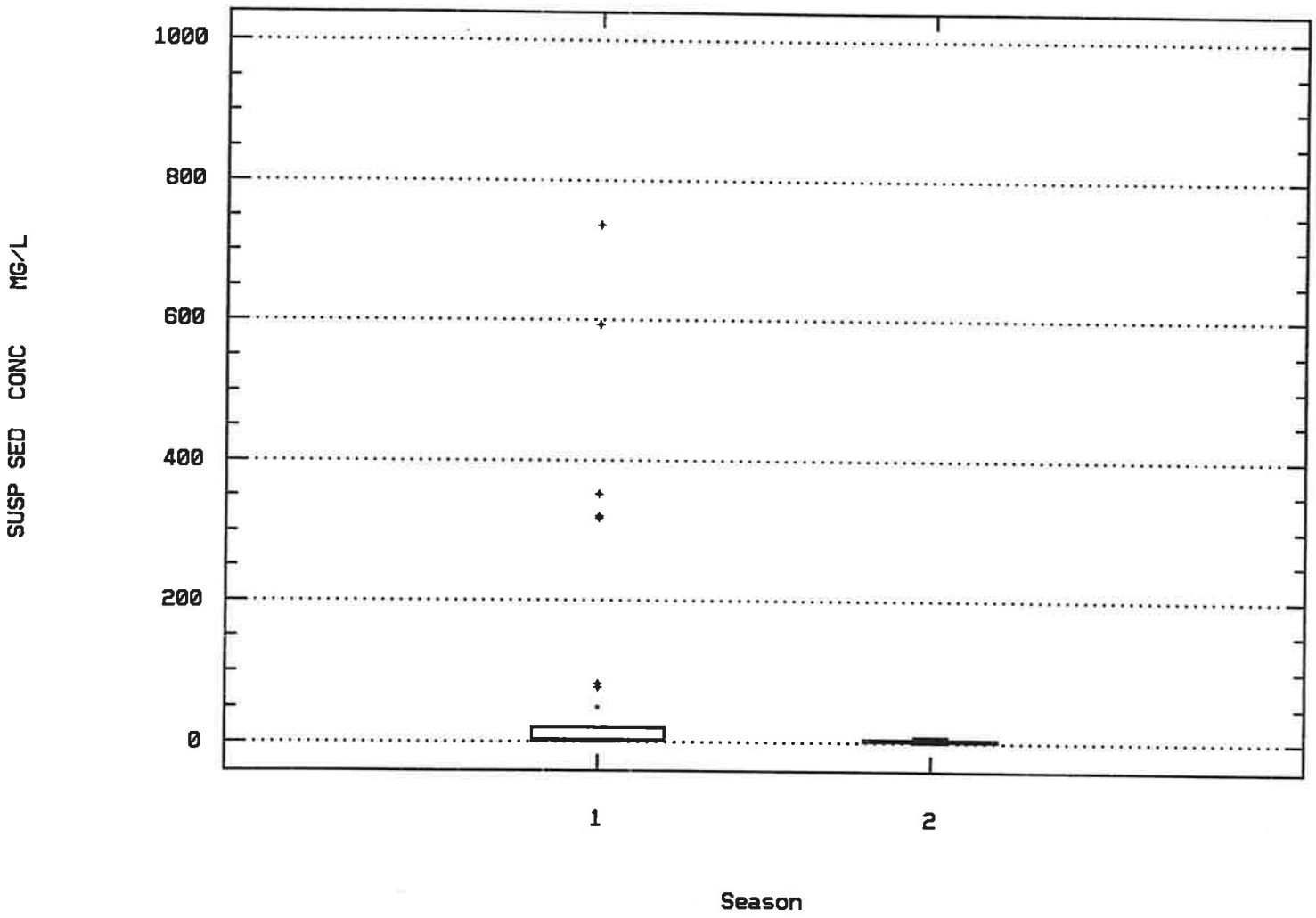
BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L



LITTLE R. AB TOWNSEND

Station: GRSM0182 Parameter Code: 80154

SUSP. SEDIMENT CONCENTRATION-EVAP. AT 1



LITTLE R. AB TOWNSEND

Station Inventory for Station: GRSM0183

NPS Station ID: GRSM0183 LAT/LON: 35.666115/ -83.634726 Agency: 112WRD Date Created: 03/21/92
Location: LITTLE R BLW ELKMONT FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 353958083380500
RMI-Indexes:
RMI-Miles:
HUC: Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: RF1 Mile Point: 0.000 Distance from RF1: 0.50 On/Off RF1:
RF3 Index: 06010201003224.25 RF3 Mile Point: 24.95 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0183

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	10/29/91-10/29/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/29/91-10/29/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/29/91-10/29/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/29/91-10/29/91	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/29/91-10/29/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/29/91-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/29/91-10/29/91	1	0.66	0.66	0.66	0.66	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/29/91-10/29/91	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/29/91-10/29/91	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/29/91-10/29/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/29/91-10/29/91	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		10/29/91-10/29/91	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/29/91-10/29/91	1	1.	1.	1.	1.	0.	0.	**	**	**	**
71870 BROMIDE (MG/L AS BR)		10/29/91-10/29/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0183

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0184

NPS Station ID: GRSM0184 LAT/LON: 35.667226/ -83.072781 Agency: 112WRD Date Created: / /
Location: CATALOOCHEE CREEK NEAR CATALOOCHEE N C
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03460000
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0
Major Basin: Elevation: 0
Minor Basin:
RF1 Index: 06010106012 RF1 Mile Point: 3.180
RF3 Index: 06010106001402.37 RF3 Mile Point: 2.99
Description:

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00 On/Off RF1: OFF
Distance from RF3: 0.02 On/Off RF3:

LOCATION: HAYWOOD CO. IN GT SMOKY MTS NATIONAL PARK.
STATION BEGAN: OCT. 1933 TO SEPT 1952, OCT 1962 TO CURRENT YEAR.
EPA PARTICIPATION BEGINNING MARCH 1974, NWQSS.

DRAINAGE AREA: 49.2 SQ MI.
GAGE: DATUM OF GAGE IS 2,456.88 FT ABOVE MEAN SEA LEVEL.

Parameter Inventory for Station: GRSM0184

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	229	10.5	9.973	19.	0.	24.606	4.96	3.	6.	14.	16.
00060	FLOW, STREAM, MEAN DAILY	CFS	10/18/62-06/28/73	63	74.	104.27	1080.	23.	18343.394	135.438	35.8	54.	114.	168.2
00061	FLOW, STREAM, INSTANTANEOUS	CFS	09/04/73-05/11/93	215	89.	158.595	1610.	22.	55690.522	235.988	36.	49.	167.	298.8
00065	STAGE, STREAM (FEET)		05/12/86-05/11/93	29	2.53	2.624	3.97	2.04	0.244	0.494	2.14	2.275	2.805	3.37
00070	TURBIDITY, (JACKSON CANDLE UNITS)		10/11/73-05/15/74	3	1.3	1.1	2.	0.	1.03	1.015	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		11/02/82-05/11/93	43	0.5	1.614	17.	0.2	11.404	3.377	0.3	0.4	1.1	2.8
00080	COLOR (PLATINUM-COBALT UNITS)		10/18/62-05/29/79	60	6.5	9.55	40.	0.	76.218	8.73	0.	5.	11.5	24.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		10/15/80-10/15/80	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	203	15.	15.453	35.	6.	15.239	3.904	12.	13.	17.	19.
00300p	OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	205	10.2	10.56	16.	6.3	2.903	1.704	8.8	9.4	11.7	12.74
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	07/05/68-07/05/68	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C	MG/L	11/01/67-07/12/78	74	0.6	0.661	2.6	0.	0.184	0.429	0.2	0.4	1.	1.1
00335	COD, .025N K2CR2O7	MG/L	09/04/73-01/15/74	15##	12.5	13.667	30.	12.5	20.417	4.518	12.5	12.5	12.5	19.5
00340	COD, .25N K2CR2O7	MG/L	01/24/74-07/12/78	33##	12.5	12.288	46.	5.	63.235	7.952	5.	5.	12.5	18.2
00400p	PH (STANDARD UNITS)		10/18/62-05/11/93	236	6.7	6.729	9.	5.4	0.323	0.569	6.	6.3	7.1	7.43
00400p	CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	236	6.7	6.404	9.	5.4	0.429	0.655	6.	6.3	7.1	7.43
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	236	0.2	0.394	3.981	0.001	0.326	0.571	0.037	0.079	0.501	1.
00403	PH, LAB, STANDARD UNITS	SU	10/15/80-05/11/93	57	7.1	7.211	8.4	6.5	0.224	0.473	6.6	6.9	7.5	8.
00403	CONVERTED PH, LAB, STANDARD UNITS		10/15/80-05/11/93	57	7.1	7.01	8.4	6.5	0.265	0.515	6.6	6.9	7.5	8.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/15/80-05/11/93	57	0.079	0.098	0.316	0.004	0.007	0.086	0.01	0.032	0.126	0.251
00405	CARBON DIOXIDE (MG/L AS CO2)		10/03/72-01/03/83	65	1.3	4.123	51.	0.1	63.391	7.962	0.26	0.75	4.	10.96
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	174	5.	5.437	19.	0.	4.93	2.22	3.	4.	6.	8.
00418	ALKALINITY,CARBONATE,INCREMENTAL TIT.USGS LAB	MG/L	12/02/91-05/11/93	6	5.	5.	6.	4.	0.4	0.632	**	**	**	**
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD	MG/L	11/17/86-09/14/87	4	4.5	4.75	6.	4.	0.757	0.87	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	105	6.	6.438	18.	2.	4.729	2.175	4.	5.	7.	8.
00445	CARBONATE ION (MG/L AS CO3)		11/01/67-01/03/83	71	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELD	MG/L	11/17/86-09/14/87	4	5.5	5.8	7.3	4.9	1.087	1.042	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,	MG/L	12/07/87-05/11/93	23	5.	5.174	7.	2.	1.423	1.193	3.4	5.	6.	6.6
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),	MG/L	10/03/67-10/19/76	8	19.	19.75	28.	16.	12.5	3.535	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/03/67-10/19/76	12	1.5	19.292	210.	0.5	3609.839	60.082	0.5	0.5	4.5	148.5
00572	BIOMASS, PERIPHYTON (GRAMS PER SQUARE METER)		12/19/73-03/21/79	9	1.6	5.852	40.	0.	166.145	12.89	0.	0.395	3.58	40.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0184

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00573 BIOMASS, PERIPHYTON,DRY WEIGHT TOTAL (G/M2)	12/19/73-03/21/79	9	3.4	7.11	42.	0.	175.537	13.249	0.	0.635	5.53	42.
00600 NITROGEN, TOTAL (MG/L AS N)	10/11/73-09/08/82	42	0.325	0.422	1.7	0.06	0.095	0.308	0.16	0.24	0.513	0.804
00602 NITROGEN, DISSOLVED (MG/L AS N)	01/30/79-09/08/82	12	0.485	0.483	0.75	0.11	0.049	0.222	0.128	0.315	0.723	0.75
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/07/73-02/11/86	40	0.115	0.225	1.5	0.	0.075	0.274	0.002	0.07	0.308	0.478
00607 NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	11/07/73-09/08/82	38	0.095	0.141	0.57	0.	0.022	0.147	0.	0.035	0.218	0.395
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/07/73-05/11/93	85	0.01	0.024	0.15	0.	0.001	0.028	0.005	0.005	0.04	0.06
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/73-11/17/92	72	0.01	0.016	0.1	0.	0.	0.02	0.005	0.005	0.02	0.03
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/18/85-05/11/93	31##	0.005	0.006	0.02	0.005	0.	0.003	0.005	0.005	0.005	0.005
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/17/73-11/17/92	29##	0.005	0.007	0.02	0.004	0.	0.003	0.005	0.005	0.009	0.01
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/07/71-10/31/91	2##	0.003	0.003	0.005	0.	0.	0.004	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-05/29/79	21	0.14	0.16	0.46	0.02	0.011	0.105	0.06	0.105	0.175	0.384
00623 NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/11/73-08/20/91	42	0.105	0.164	0.6	0.01	0.023	0.152	0.04	0.05	0.255	0.4
00624 NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	12/26/73-09/08/82	36	0.03	0.103	1.2	0.	0.054	0.232	0.	0.	0.09	0.297
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/11/73-05/11/93	88	0.165	0.273	1.9	0.03	0.099	0.315	0.05	0.1	0.308	0.61
00626 NITROGEN,ORG. KJEL.,BOT. DEPOS. (MG/KG-N DRY WGT)	03/05/74-09/01/76	4	368.	375.	700.	64.	124324.	352.596	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/11/73-11/17/92	61	0.17	0.186	0.63	0.	0.01	0.101	0.082	0.14	0.2	0.31
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/11/73-05/11/93	94	0.2	0.166	0.4	0.	0.005	0.071	0.065	0.1	0.2	0.2
00633 NITRITE PLUS NITRATE,BOT. DEPOS. (MG/KG-N DRY WT)	03/05/74-09/01/76	4	0.25	0.575	1.8	0.	0.723	0.85	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	11/01/67-05/29/79	7	0.	0.003	0.01	0.	0.	0.005	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	02/01/68-11/02/82	41	0.03	0.042	0.21	0.	0.003	0.051	0.	0.	0.06	0.114
00665 PHOSPHORUS, TOTAL (MG/L AS P)	02/09/70-05/11/93	103	0.01	0.025	0.36	0.	0.002	0.044	0.005	0.005	0.02	0.046
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	10/11/73-05/11/93	84	0.01	0.014	0.06	0.005	0.	0.012	0.005	0.005	0.02	0.03
00668 PHOSPHORUS,TOTAL,BOTTOM DEPOSIT (MG/KG-P DRY WGT)	03/05/74-09/01/76	4	125.	121.5	150.	86.	849.	29.138	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/07/73-05/11/93	81	0.01	0.013	0.07	0.	0.	0.014	0.005	0.005	0.01	0.03
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	04/15/69-07/12/82	32	4.5	9.3	66.	0.5	178.283	13.352	1.35	2.35	8.05	26.5
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/11/73-09/08/82	37	3.5	5.424	28.	0.9	34.011	5.832	1.44	1.6	6.05	13.8
00687 CARBON, ORGANIC, IN BED MATERIAL (GM/KG AS C)	03/05/74-09/01/76	4	1.95	2.35	4.3	1.2	1.857	1.363	**	**	**	**
00689 CARBON, SUSPENDED ORGANIC (MG/L AS C)	01/30/79-09/08/82	7	0.2	0.271	0.8	0.1	0.066	0.256	**	**	**	**
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	03/05/74-09/08/82	12	0.	0.002	0.005	0.	0.	0.002	0.	0.	0.005	0.005
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/18/62-02/11/86	83	4.	4.807	12.	2.	4.084	2.021	3.	4.	5.	7.6
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/18/62-02/11/86	83	0.	0.723	7.	0.	2.544	1.595	0.	0.	1.	3.
00915p CALCIUM, DISSOLVED (MG/L AS CA)	10/18/62-05/11/93	123	1.1	1.189	3.6	0.2	0.306	0.553	0.8	0.9	1.3	1.8
00925p MAGNESIUM, DISSOLVED (MG/L AS MG)	10/18/62-05/11/93	123	0.3	0.367	1.1	0.1	0.028	0.167	0.2	0.3	0.4	0.5
00930p SODIUM, DISSOLVED (MG/L AS NA)	10/18/62-05/11/93	123	1.1	1.132	2.	0.4	0.076	0.276	0.8	1.	1.3	1.5
00931 SODIUM ADSORPTION RATIO	11/01/67-02/11/86	72	0.2	0.239	0.4	0.1	0.007	0.081	0.1	0.2	0.3	0.3
00932 SODIUM, PERCENT	11/01/67-02/11/86	72	33.	31.958	54.	8.	98.266	9.913	17.3	26.25	37.75	44.7
00933 SODIUM,PLUS POTASSIUM (MG/L)	12/04/79-03/21/80	3	1.5	1.467	1.6	1.3	0.023	0.153	**	**	**	**
00935p POTASSIUM, DISSOLVED (MG/L AS K)	10/18/62-05/11/93	123	0.6	0.591	1.3	0.2	0.03	0.173	0.4	0.5	0.7	0.8
00940p CHLORIDE,TOTAL IN WATER MG/L	10/18/62-05/11/93	122	0.6	0.688	2.	0.	0.126	0.355	0.4	0.5	0.8	1.
00945p SULFATE, TOTAL (MG/L AS SO4)	10/18/62-05/11/93	124	1.	1.553	5.	0.	0.987	0.994	0.5	0.9	2.	3.
00950p FLUORIDE, DISSOLVED (MG/L AS F)	10/18/62-05/11/93	123##	0.05	0.072	1.3	0.	0.015	0.122	0.	0.05	0.1	0.1
00955p SILICA, DISSOLVED (MG/L AS SI02)	10/18/62-05/11/93	123	7.5	7.337	10.	1.	1.956	1.399	5.48	6.9	8.2	8.76
01000 ARSENIC, DISSOLVED (UG/L AS AS)	10/11/73-08/20/91	46##	0.5	1.348	11.	0.	6.421	2.534	0.35	0.5	1.	4.6
01001 ARSENIC, SUSPENDED (UG/L AS AS)	10/11/73-09/08/82	17	0.5	1.265	6.	0.	3.035	1.742	0.	0.5	1.	5.2
01002 ARSENIC, TOTAL (UG/L AS AS)	10/11/73-09/08/82	22	1.	2.795	11.	0.	12.278	3.504	0.15	0.5	4.	9.7
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/05/74-06/14/74	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01005 BARIUM, DISSOLVED (UG/L AS BA)	10/22/79-05/11/93	43	8.	9.233	40.	1.	33.611	5.798	6.	7.	10.	11.6
01006 BARIUM, SUSPENDED (UG/L AS BA)	10/22/79-01/20/82	4##	55.	51.25	90.	5.	2039.583	45.162	**	**	**	**
01007 BARIUM, TOTAL (UG/L AS BA)	03/05/74-09/08/82	14##	50.	63.214	200.	10.	2386.951	48.856	17.5	25.	100.	150.
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)	10/22/79-08/20/91	36##	0.25	0.318	0.7	0.25	0.02	0.141	0.25	0.25	0.25	0.56
01025 CADMIUM, DISSOLVED (UG/L AS CD)	10/11/73-08/20/91	46##	0.5	0.891	4.	0.	0.821	0.906	0.5	0.5	1.	3.
01026 CADMIUM, SUSPENDED (UG/L AS CD)	10/11/73-01/20/82	15	0.	1.333	10.	0.	12.381	3.519	0.	0.	0.	10.
01027 CADMIUM, TOTAL (UG/L AS CD)	10/11/73-09/08/82	22##	0.	1.364	10.	0.	8.433	2.904	0.	0.	1.	7.9
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/05/74-06/14/74	2##	3.	3.	5.	1.	8.	2.828	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/05/74-09/01/76	4##	5.	6.25	10.	5.	6.25	2.5	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	12/12/68-08/20/91	63##	0.5	1.024	13.	0.	5.189	2.278	0.	0.	1.	2.
01031 CHROMIUM, SUSPEND (UG/L AS CR)	10/11/73-01/20/82	31	5.	7.242	20.	0.	45.215	6.724	0.	2.	10.	20.
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/01/67-09/08/82	35##	10.	8.943	30.	0.	54.35	7.372	0.	2.	10.	20.
01035 COBALT, DISSOLVED (UG/L AS CO)	10/11/73-05/11/93	53##	1.5	1.462	9.	0.	1.354	1.164	0.	1.5	1.5	1.5
01036 COBALT, SUSPENDED (UG/L AS CO)	10/11/73-08/27/74	10	1.5	9.2	50.	0.	268.622	16.39	0.	0.	14.5	47.5
01037 COBALT, TOTAL (UG/L AS CO)	10/11/73-08/27/74	10##	3.	8.65	50.	0.	232.225	15.239	0.	0.	12.125	46.25
01038 COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	03/05/74-06/14/74	2##	15.	15.	25.	5.	200.	14.142	**	**	**	**
01040 COPPER, DISSOLVED (UG/L AS CU)	11/01/67-08/20/91	67##	1.	1.739	6.	0.	3.632	1.906	0.	0.	3.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0184

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01041 COPPER, SUSPENDED (UG/L AS CU)	10/11/73-03/21/80	29	2.	4.172	23.	0.	32.576	5.708	0.	0.	6.5	11.
01042 COPPER, TOTAL (UG/L AS CU)	10/11/73-09/08/82	34	3.5	4.676	23.	0.	27.619	5.255	0.	1.	6.25	11.
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/05/74-09/01/76	4##	5.	4.75	5.	4.	0.25	0.5	**	**	**	**
01044 IRON, SUSPENDED (UG/L AS FE)	01/30/79-09/08/82	8	95.	204.125	600.	40.	42941.839	207.224	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	08/07/68-09/08/82	36	80.	145.112	610.	0.02	25674.621	160.233	19.1	50.	177.5	456.
01046 IRON, DISSOLVED (UG/L AS FE)	11/01/67-05/11/93	82	13.	20.585	200.	0.	777.622	27.886	5.	7.75	21.	37.3
01049 LEAD, DISSOLVED (UG/L AS PB)	11/01/67-08/20/91	66##	2.	3.159	27.	0.	28.017	5.293	0.	0.5	3.	6.
01050 LEAD, SUSPENDED (UG/L AS PB)	10/11/73-02/09/81	30	4.5	16.7	100.	0.	678.079	26.04	0.	1.5	25.	51.8
01051 LEAD, TOTAL (UG/L AS PB)	10/11/73-09/08/82	34	5.	18.059	100.	0.	609.633	24.691	0.5	3.	30.25	53.
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/05/74-09/01/76	4##	10.	18.75	50.	5.	439.583	20.966	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	03/05/74-06/14/74	2	115.	115.	120.	110.	50.	7.071	**	**	**	**
01054 MANGANESE, SUSPENDED (UG/L AS MN)	10/11/73-10/15/80	13	0.	4.692	30.	0.	78.897	8.882	0.	0.	9.	23.2
01055 MANGANESE, TOTAL (UG/L AS MN)	02/01/68-09/08/82	28	5.	7.429	30.	0.	44.698	6.686	0.	5.	10.	17.3
01056 MANGANESE, DISSOLVED (UG/L AS MN)	08/21/69-05/11/93	56	1.	2.786	25.	0.	20.599	4.539	0.5	0.5	2.	5.
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/22/79-05/11/93	43##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065 NICKEL, DISSOLVED (UG/L AS NI)	11/01/67-05/11/93	40##	0.5	1.225	6.	0.	1.935	1.391	0.5	0.5	2.	3.9
01075 SILVER, DISSOLVED (UG/L AS AG)	10/22/79-05/11/93	43##	0.5	0.465	1.	0.	0.04	0.201	0.	0.5	0.5	0.5
01076 SILVER, SUSPENDED (UG/L AS AG)	10/22/79-06/23/81	5	0.	0.	0.	0.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	05/07/74-09/08/82	13##	0.	0.308	3.	0.	0.689	0.83	0.	0.	0.25	2.
01080 STRONTIUM, DISSOLVED (UG/L AS SR)	02/01/68-05/11/93	47	9.	9.787	60.	0.	70.562	8.4	6.8	8.	10.	11.
01085 VANADIUM, DISSOLVED (UG/L AS V)	10/22/79-05/11/93	43##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090 ZINC, DISSOLVED (UG/L AS ZN)	11/01/67-08/20/91	66##	2.	4.318	40.	0.	36.825	6.068	0.	0.015	6.	10.
01091 ZINC, SUSPENDED (UG/L ZN)	10/11/73-03/21/80	28	10.	12.714	40.	0.	155.915	12.487	0.	0.	20.	30.
01092 ZINC, TOTAL (UG/L AS ZN)	10/11/73-09/08/82	33	20.	17.606	50.	0.	172.246	13.124	0.	10.	25.	40.
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/05/74-09/01/76	4	22.	23.5	30.	20.	22.333	4.726	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/01/68-07/06/70	7	0.	42.857	100.	0.	2857.143	53.452	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	08/21/69-05/11/93	38	20.	23.684	100.	5.	494.168	22.23	5.	5.	30.	60.
01130 LITHIUM, DISSOLVED (UG/L AS LI)	11/01/67-05/11/93	46##	2.	2.696	15.	0.	5.728	2.393	2.	2.	2.	5.3
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/22/79-05/11/93	43##	0.5	0.442	0.5	0.	0.026	0.162	0.	0.5	0.5	0.5
01146 SELENIUM, SUSPENDED (UG/L AS SE)	10/22/79-06/23/81	5	0.	0.	0.	0.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	06/18/75-09/08/82	12##	0.5	0.292	0.5	0.	0.066	0.257	0.	0.	0.5	0.5
01170 IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	03/05/74-09/01/76	4	7350.	7675.	12000.	4000.	11689166.667	3418.942	**	**	**	**
01515 ALPHA, DISSOLVED GROSS, AS URANIUM-NATURAL, PC/L	10/03/67-09/08/82	5##	0.15	0.33	0.9	0.05	0.136	0.368	**	**	**	**
01516 ALPHA, SUSPEND GROSS, AS URANIUM NATURAL, PC/L	10/03/67-10/15/80	4##	0.1	0.1	0.15	0.05	0.003	0.058	**	**	**	**
03515 BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/03/67-03/30/93	26	0.9	0.965	3.4	0.2	0.374	0.611	0.41	0.6	1.125	1.6
03516 BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/03/67-03/30/93	26##	0.25	1.	17.	0.2	10.726	3.275	0.2	0.2	0.35	1.06
04126 ALPHA, DISSOLVED, WATER (AS TH-230) PCI/L	08/17/92-03/30/93	2##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
04127 ALPHA, SUSPENDED, DRY WEIGHT,SED (AS TH-230) PCI/L	08/17/92-03/30/93	2##	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
09510 RADIUM 226, DISSOLVED, PLANCHET COUNT	10/03/72-10/03/72	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
09511 RADIUM 226, DISSOLVED, RADON METHOD	10/03/67-03/30/93	25	0.04	0.039	0.07	0.01	0.	0.017	0.016	0.03	0.05	0.064
22703 URANIUM, NATURAL, DISSOLVED	12/07/87-03/30/93	11##	0.005	0.018	0.06	0.005	0.	0.02	0.005	0.005	0.025	0.058
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	07/14/69-10/15/80	38	17.	66.026	900.	0.	22816.188	151.05	1.	3.	67.75	190.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	07/14/69-10/15/80	38	1.23	1.231	2.954	0.	0.585	0.765	0.	0.477	1.828	2.279
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3			GEOMETRIC MEAN =	17.041								
31503 COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35 C	11/01/67-12/12/68	6	24.	22.667	38.	4.	151.467	12.307	**	**	**	**
31503 LOG COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,3	11/01/67-12/12/68	6	1.366	1.266	1.58	0.602	0.126	0.356	**	**	**	**
31503 GM COLIFORM,TOT,MEMBR FILTER,DELAYED,M-ENDO MED,35			GEOMETRIC MEAN =	18.446								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/07/71-07/12/78	67##	5.	205.567	12000.	0.5	2150712.545	1466.521	5.	5.	18.	32.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/07/71-07/12/78	67##	0.699	0.964	4.079	-0.301	0.389	0.624	0.699	0.699	1.255	1.502
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	9.211								
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/19/76-05/11/93	72	3.5	16.681	320.	0.5	2201.84	46.924	0.5	1.	11.	26.5
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/19/76-05/11/93	72	0.54	0.597	2.505	-0.301	0.454	0.674	-0.301	0.	1.041	1.422
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	3.953								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/05/74-05/11/93	71	550.	1208.415	13000.	0.5	4221023.128	2054.513	9.2	100.	1300.	3660.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/05/74-05/11/93	71	2.74	2.49	4.114	-0.301	0.886	0.941	0.952	2.	3.114	3.563
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR			GEOMETRIC MEAN =	309.216								
31679 FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/07/74-09/01/76	7	12.	24.714	70.	1.	861.238	29.347	**	**	**	**
31679 LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/07/74-09/01/76	7	1.079	1.004	1.845	0.	0.505	0.711	**	**	**	**
31679 GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4			GEOMETRIC MEAN =	10.081								
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/17/70-05/29/79	37	0.	0.015	0.12	0.	0.001	0.034	0.	0.	0.	0.092
39034 PERTHANE IN WHOLE WATER SAMPLE (UG/L)	11/29/78-09/08/82	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39086 ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	12/07/87-05/11/93	23	4.	4.304	6.	2.	1.04	1.02	2.4	4.	5.	5.6
39250 NAPTHALENES, POLYCHLORINATED (UG/L)	10/19/76-09/08/82	6	0.	0.008	0.05	0.	0.	0.02	**	**	**	**

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Parameter Inventory for Station: GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	10/15/80-09/08/82	2##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/03/67-09/08/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/13/70-09/08/82	10	0.	0.025	0.1	0.	0.002	0.042	0.	0.	0.063	0.1
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	04/15/69-09/08/82	11	0.	0.	0.005	0.	0.	0.002	0.	0.	0.	0.004
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/13/70-09/08/82	10	0.	0.035	0.1	0.	0.002	0.047	0.	0.	0.1	0.1
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/13/70-09/08/82	10	0.	0.005	0.05	0.	0.	0.016	0.	0.	0.	0.045
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/13/70-09/08/82	10	0.	0.15	0.5	0.	0.058	0.242	0.	0.	0.5	0.5
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	10/03/67-09/08/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/13/70-09/08/82	10	0.	0.025	0.1	0.	0.002	0.042	0.	0.	0.063	0.1
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	10/03/67-09/08/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/13/70-09/08/82	10	0.	0.15	0.7	0.	0.072	0.268	0.	0.	0.225	0.69
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/03/67-09/08/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/13/70-09/08/82	10	0.	0.025	0.1	0.	0.002	0.042	0.	0.	0.063	0.1
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/03/67-09/08/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/13/70-09/08/82	10	0.	0.025	0.1	0.	0.002	0.042	0.	0.	0.063	0.1
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	09/08/78-09/08/82	5	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/15/80-09/08/82	2##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/03/67-09/08/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/13/70-09/08/82	10	0.	0.025	0.1	0.	0.002	0.042	0.	0.	0.063	0.1
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	10/02/75-09/08/82	6	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39399	ETHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/08/78-11/29/78	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	10/02/75-09/08/82	7	0.	0.071	0.5	0.	0.036	0.189	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/02/75-09/08/82	7	0.	0.714	5.	0.	3.571	1.89	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	10/03/67-09/08/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/13/70-09/08/82	10	0.	0.025	0.1	0.	0.002	0.042	0.	0.	0.063	0.1
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	10/03/67-09/08/82	12	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.004
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/13/70-09/08/82	10	0.	0.025	0.1	0.	0.002	0.042	0.	0.	0.063	0.1
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/08/78-09/08/82	5	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	10/19/76-09/08/82	6	0.	0.008	0.05	0.	0.	0.02	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/11/73-09/08/82	8	0.	0.006	0.05	0.	0.	0.018	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10/11/73-09/08/82	8	0.	1.188	6.	0.	4.853	2.203	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	10/13/70-09/08/82	9	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/13/70-11/29/78	3	0.	0.033	0.1	0.	0.003	0.058	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/13/70-09/08/82	9	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/13/70-11/29/78	3	0.	0.033	0.1	0.	0.003	0.058	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	10/13/70-09/08/82	9	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/13/70-11/29/78	3	0.	0.033	0.1	0.	0.003	0.058	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/13/70-09/08/82	9	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/13/70-11/29/78	3	0.	0.033	0.1	0.	0.003	0.058	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	06/13/68-09/08/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	06/13/68-09/08/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39755	MIREX, TOTAL (UG/L)	09/08/78-09/08/82	5	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	10/15/80-09/08/82	2##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	06/13/68-09/08/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	10/02/75-09/08/82	6	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39787	TRITHION IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	09/08/78-11/29/78	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	10/02/75-09/08/82	6	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39791	METHYL TRITHION IN BOT DEPOS (UG/KG DRY SOLIDS)	09/08/78-11/29/78	2	0.	0.	0.	0.	0.	0.	**	**	**	**
60050	ALGAE, TOTAL (CELLS/ML)	04/12/74-03/21/79	9	340.	400.667	1600.	72.	222855.75	472.076	72.	77.	415.	1600.
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/18/62-05/11/93	121	17.	18.752	44.	5.	47.855	6.918	12.	15.	21.	26.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/01/67-02/11/86	69	16.	16.493	23.	12.	6.048	2.459	13.	15.	18.	20.
70302	SOLIDS, DISSOLVED-TONS PER DAY	11/01/67-01/03/83	71	4.14	9.674	67.9	1.19	233.799	15.29	1.856	2.51	7.69	26.22
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/01/67-01/03/83	71	0.02	0.027	0.06	0.01	0.	0.01	0.02	0.02	0.03	0.04
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	98	58.5	59.153	100.	0.	740.317	27.209	24.5	43.	77.5	100.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/07/73-11/17/92	41	0.01	0.014	0.1	0.005	0.	0.017	0.005	0.005	0.01	0.03
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	05/29/79-02/09/81	3	0.	0.003	0.01	0.	0.	0.006	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/07/73-02/11/86	46	0.01	0.024	0.13	0.	0.001	0.031	0.	0.	0.043	0.06
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/18/62-08/02/71	24	0.4	0.525	2.7	0.	0.279	0.529	0.05	0.3	0.6	0.95
71870	BROMIDE (MG/L AS BR)	10/31/91-10/31/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	10/18/62-09/06/63	11	20.	14.545	30.	0.	87.273	9.342	0.	10.	20.	28.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	01/26/78-11/18/85	31	0.06	0.082	0.4	0.	0.009	0.097	0.	0.03	0.09	0.23
71887	NITROGEN, TOTAL, AS NO3 - MG/L	10/11/73-09/08/82	42	1.45	1.888	7.6	0.3	1.916	1.384	0.7	1.1	2.3	3.55
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/11/73-08/20/91	43##	0.05	0.116	0.4	0.05	0.01	0.1	0.05	0.05	0.25	0.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0184

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71895 MERCURY, SUSPENDED (UG/L AS HG)	10/11/73-03/21/80	12	0.	0.058	0.3	0.	0.008	0.09	0.	0.	0.1	0.24
71900 MERCURY, TOTAL (UG/L AS HG)	10/11/73-09/08/82	22##	0.25	0.205	0.4	0.05	0.01	0.097	0.05	0.088	0.25	0.25
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/05/74-06/14/74	2	0.01	0.01	0.02	0.	0.	0.014	**	**	**	**
75986 ALPHA GROSS,1 SIGMA PRC EST AS NAT U,DISS,WTR UG/L	06/20/89-03/30/93	8	0.295	0.315	0.7	0.19	0.026	0.162	**	**	**	**
75987 ALPHA GROSS,DISS,1 SIGMA PRC EST AS TH230,WTR PC/L	06/20/89-03/30/93	8##	0.3	0.481	2.3	0.03	0.55	0.742	**	**	**	**
75988 BETA GROSS,DISS,1 SIGMA PRC EST AS SR90/Y90 PC/L	06/20/89-03/30/93	8	0.43	0.44	0.5	0.4	0.002	0.044	**	**	**	**
75989 BETA GROSS,1 SIGMA PRC EST AS CS-137,DISS,WTR PC/L	06/20/89-03/30/93	8	0.5	0.488	0.56	0.4	0.002	0.048	**	**	**	**
75990 URANIUM,NATURAL,1 SIGMA PRC EST,DISS,WATER UG/L	05/21/90-03/30/93	6##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
76001 RADIUM 226,1 SIGMA PRC EST,DISSOLVED,WATER PC/L	05/21/90-03/30/93	6	0.01	0.008	0.01	0.	0.	0.004	**	**	**	**
76004 ALPHA GROSS,SUSP,1 SIGMA PRC EST AS TH230,WTR PC/L	06/20/89-03/30/93	8	0.28	0.265	0.62	0.	0.033	0.18	**	**	**	**
76005 BETA GROSS,SUSP,1 SIGMA PRC EST AS SR90/Y90 PC/L	06/20/89-03/30/93	8	0.495	0.468	0.6	0.3	0.012	0.111	**	**	**	**
80020 URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	10/03/67-06/08/87	15	0.01	0.026	0.14	0.005	0.001	0.037	0.005	0.005	0.03	0.104
80030 ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/03/67-03/30/93	26##	0.3	0.421	2.1	0.2	0.183	0.428	0.2	0.2	0.413	0.95
80040 ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/03/67-03/30/93	26##	0.2	1.094	21.	0.2	16.544	4.067	0.2	0.2	0.3	1.02
80050 BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/03/67-03/30/93	26	0.3	0.869	2.9	0.2	0.269	0.519	0.27	0.575	1.1	1.33
80060 BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/03/67-03/30/93	26##	0.25	0.835	13.	0.2	6.218	2.494	0.2	0.2	0.35	1.
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	150	3.	11.687	383.	0.	1705.519	41.298	1.	2.	6.	16.8
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/11/73-09/08/82	101	0.72	31.255	1670.	0.	33699.675	183.575	0.112	0.3	2.	15.8
81886 PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	10/15/80-09/08/82	2##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
82068 POTASSIUM 40, DISSOLVED, K-40 PC/LITER	02/09/81-08/31/81	5	0.4	0.38	0.4	0.3	0.002	0.045	**	**	**	**
82183 2,4-DP (DICHLORPROP) TOTAL UG/L	10/15/80-09/08/82	2##	0.003	0.003	0.005	0.	0.	0.004	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0184

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	2	0	0.00	1	0	0.00						
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	43	0	0.00	22	0	0.00	21	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	205	0	0.00	108	0	0.00	97	0	0.00						
00400 PH	Other-Hi Lim.	9.	236	1	0.00	124	0	0.00	112	1	0.01						
	Other-Lo Lim.	6.5	236	95	0.40	124	57	0.46	112	38	0.34						
00403 PH, LAB	Other-Hi Lim.	9.	57	0	0.00	29	0	0.00	28	0	0.00						
	Other-Lo Lim.	6.5	57	3	0.05	29	2	0.07	28	1	0.04						
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	31	0	0.00	16	0	0.00	15	0	0.00						
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	29	0	0.00	13	0	0.00	16	0	0.00						
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	2	0	0.00									
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	21	0	0.00	9	0	0.00	12	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	61	0	0.00	35	0	0.00	26	0	0.00						
00631 NITRITE PLUS NITRATE, DISS, 1 DET.	Drinking Water	10.	94	0	0.00	51	0	0.00	43	0	0.00						
00720 CYANIDE, TOTAL	Fresh Acute	0.022	12	0	0.00	7	0	0.00	5	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	122	0	0.00	63	0	0.00	59	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	124	0	0.00	65	0	0.00	59	0	0.00						
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	46	0	0.00	26	0	0.00	20	0	0.00						
	Drinking Water	50.	46	0	0.00	26	0	0.00	20	0	0.00						
01001 ARSENIC, SUSPENDED	Fresh Acute	360.	17	0	0.00	12	0	0.00	5	0	0.00						
	Drinking Water	50.	17	0	0.00	12	0	0.00	5	0	0.00						
01002 ARSENIC, TOTAL	Fresh Acute	360.	22	0	0.00	15	0	0.00	7	0	0.00						
	Drinking Water	50.	22	0	0.00	15	0	0.00	7	0	0.00						
01005 BARIUM, DISSOLVED	Drinking Water	2000.	43	0	0.00	23	0	0.00	20	0	0.00						
01006 BARIUM, SUSPENDED	Drinking Water	2000.	4	0	0.00	4	0	0.00									
01007 BARIUM, TOTAL	Drinking Water	2000.	14	0	0.00	9	0	0.00	5	0	0.00						
01010 BERYLLIUM, DISSOLVED	Fresh Acute	130.	36	0	0.00	19	0	0.00	17	0	0.00						
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	46	1	0.02	26	1	0.04	20	0	0.00						
	Drinking Water	5.	46	0	0.00	26	0	0.00	20	0	0.00						
01026 CADMIUM, SUSPENDED	Fresh Acute	3.9	15	2	0.13	11	2	0.18	4	0	0.00						
	Drinking Water	5.	15	2	0.13	11	2	0.18	4	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	20&	0	0.00	13	0	0.00	7	0	0.00						
	Drinking Water	5.	20&	0	0.00	13	0	0.00	7	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0184

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	63	0	0.00	35	0	0.00	28	0	0.00						
01031 CHROMIUM, SUSPENDED	Drinking Water	100.	31	0	0.00	20	0	0.00	11	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	35	0	0.00	22	0	0.00	13	0	0.00						
01040 COPPER, DISSOLVED	Fresh Acute	18.	67	0	0.00	38	0	0.00	29	0	0.00						
	Drinking Water	1300.	67	0	0.00	38	0	0.00	29	0	0.00						
01041 COPPER, SUSPENDED	Fresh Acute	18.	29	1	0.03	17	0	0.00	12	1	0.08						
	Drinking Water	1300.	29	0	0.00	17	0	0.00	12	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	34	1	0.03	20	0	0.00	14	1	0.07						
	Drinking Water	1300.	34	0	0.00	20	0	0.00	14	0	0.00						
01049 LEAD, DISSOLVED	Fresh Acute	82.	66	0	0.00	38	0	0.00	28	0	0.00						
	Drinking Water	5.	61&	10	0.16	34	6	0.18	27	4	0.15						
01050 LEAD, SUSPENDED	Fresh Acute	82.	30	2	0.07	18	1	0.06	12	1	0.08						
	Drinking Water	5.	30	15	0.50	18	10	0.56	12	5	0.42						
01051 LEAD, TOTAL	Fresh Acute	82.	33&	1	0.03	19	0	0.00	14	1	0.07						
	Drinking Water	5.	32&	18	0.56	18	10	0.56	14	8	0.57						
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	40	0	0.00	22	0	0.00	18	0	0.00						
	Drinking Water	100.	40	0	0.00	22	0	0.00	18	0	0.00						
01075 SILVER, DISSOLVED	Fresh Acute	4.1	43	0	0.00	23	0	0.00	20	0	0.00						
	Drinking Water	50.	43	0	0.00	23	0	0.00	20	0	0.00						
01076 SILVER, SUSPENDED	Fresh Acute	4.1	5	0	0.00	4	0	0.00	1	0	0.00						
	Drinking Water	50.	5	0	0.00	4	0	0.00	1	0	0.00						
01077 SILVER, TOTAL	Fresh Acute	4.1	13	0	0.00	8	0	0.00	5	0	0.00						
	Drinking Water	50.	13	0	0.00	8	0	0.00	5	0	0.00						
01090 ZINC, DISSOLVED	Fresh Acute	120.	66	0	0.00	37	0	0.00	29	0	0.00						
01091 ZINC, SUSPENDED	Fresh Acute	120.	28	0	0.00	16	0	0.00	12	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	33	0	0.00	19	0	0.00	14	0	0.00						
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	43	0	0.00	23	0	0.00	20	0	0.00						
	Drinking Water	50.	43	0	0.00	23	0	0.00	20	0	0.00						
01146 SELENIUM, SUSPENDED	Fresh Acute	20.	5	0	0.00	4	0	0.00	1	0	0.00						
	Drinking Water	50.	5	0	0.00	4	0	0.00	1	0	0.00						
01147 SELENIUM, TOTAL	Fresh Acute	20.	12	0	0.00	8	0	0.00	4	0	0.00						
	Drinking Water	50.	12	0	0.00	8	0	0.00	4	0	0.00						
22703 URANIUM, NATURAL DISSOLVED	Drinking Water	20.	11	0	0.00	6	0	0.00	5	0	0.00						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	38	0	0.00	18	0	0.00	20	0	0.00						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	67	2	0.03	27	0	0.00	40	2	0.05						
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	72	2	0.03	37	0	0.00	35	2	0.06						
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	13	0	0.00	8	0	0.00	5	0	0.00						
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	11	0	0.00	7	0	0.00	4	0	0.00						
	Drinking Water	0.2	11	0	0.00	7	0	0.00	4	0	0.00						
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	10	0	0.00	7	0	0.00	3	0	0.00						
	Drinking Water	2.	10	0	0.00	7	0	0.00	3	0	0.00						
39360 DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	13	0	0.00	8	0	0.00	5	0	0.00						
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	13	0	0.00	8	0	0.00	5	0	0.00						
39370 DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	13	0	0.00	8	0	0.00	5	0	0.00						
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	13	0	0.00	8	0	0.00	5	0	0.00						
39388 ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	5	0	0.00	3	0	0.00	2	0	0.00						
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	13	0	0.00	8	0	0.00	5	0	0.00						
	Drinking Water	0.2	13	0	0.00	8	0	0.00	5	0	0.00						
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	7	0	0.00	5	0	0.00	2	0	0.00						
	Drinking Water	3.	7	0	0.00	5	0	0.00	2	0	0.00						
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	13	0	0.00	8	0	0.00	5	0	0.00						
	Drinking Water	0.4	13	0	0.00	8	0	0.00	5	0	0.00						
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	12	0	0.00	8	0	0.00	4	0	0.00						
	Drinking Water	0.2	12	0	0.00	8	0	0.00	4	0	0.00						
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	5	0	0.00	3	0	0.00	2	0	0.00						
39540 PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	9	0	0.00	6	0	0.00	3	0	0.00						
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	10	0	0.00	6	0	0.00	4	0	0.00						
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	10	0	0.00	6	0	0.00	4	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

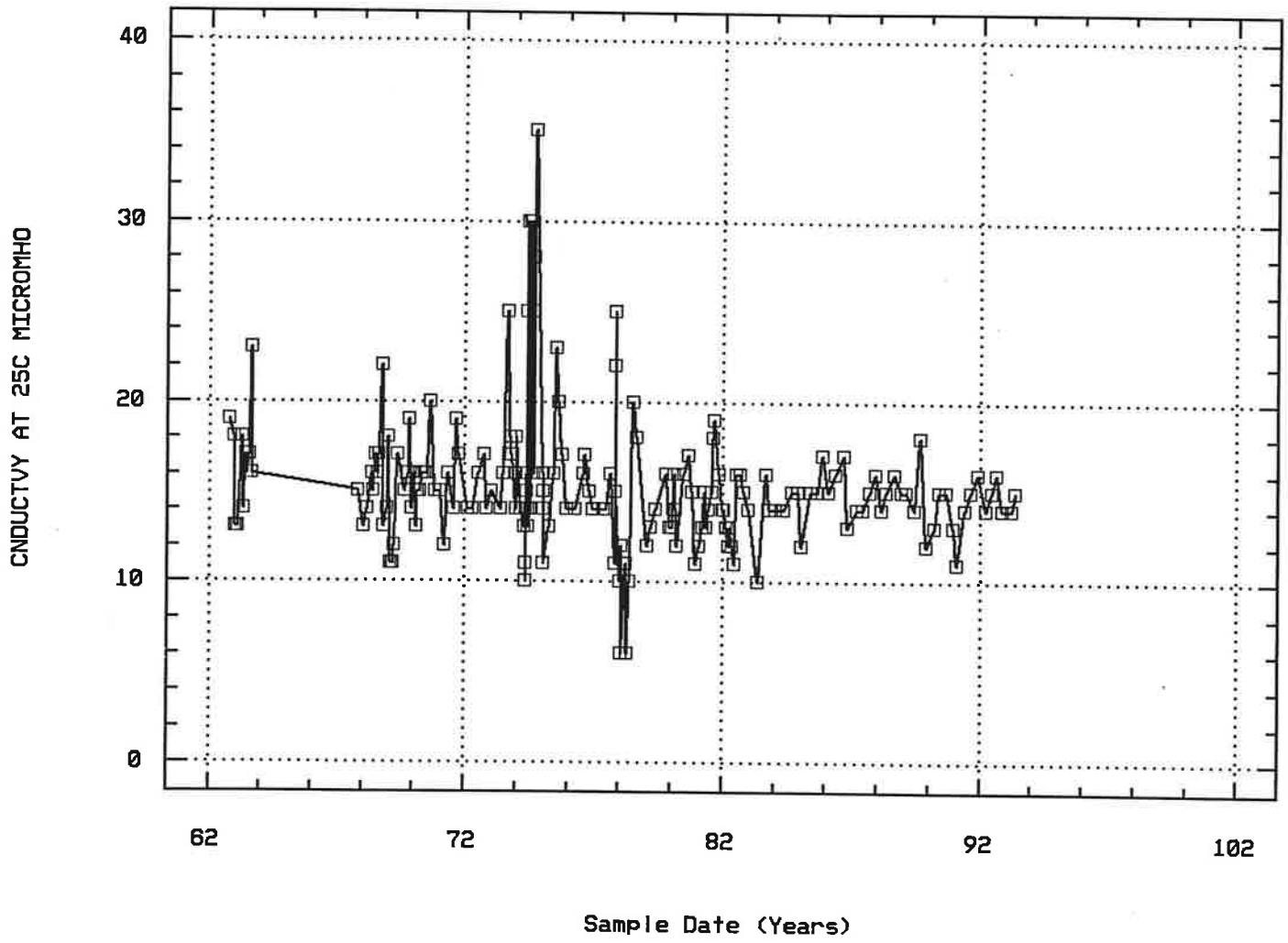
EPA Water Quality Criteria Analysis for Station: GRSM0184

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	24	0	0.00	10	0	0.00	14	0	0.00						
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	43	0	0.00	25	0	0.00	18	0	0.00						
	Drinking Water	2.	43	0	0.00	25	0	0.00	18	0	0.00						
71895 MERCURY, SUSPENDED	Fresh Acute	2.4	12	0	0.00	9	0	0.00	3	0	0.00						
	Drinking Water	2.	12	0	0.00	9	0	0.00	3	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	22	0	0.00	15	0	0.00	7	0	0.00						
	Drinking Water	2.	22	0	0.00	15	0	0.00	7	0	0.00						
80020 URANIUM, DISS. BY EXTRACTION FLUOROMETRI	Drinking Water	20.	15	0	0.00	8	0	0.00	7	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: GRSM0184 Parameter Code: 00095

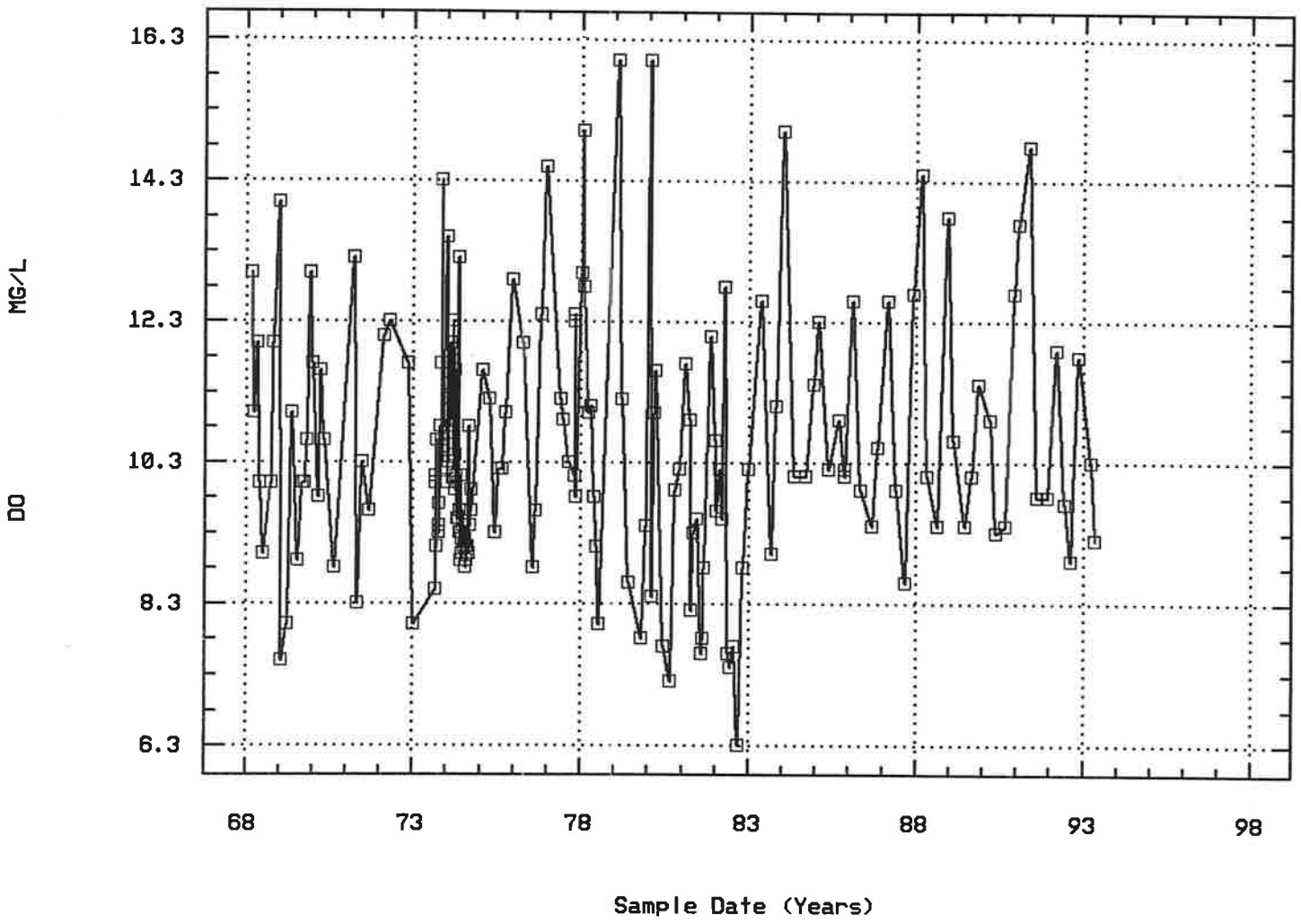
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00300

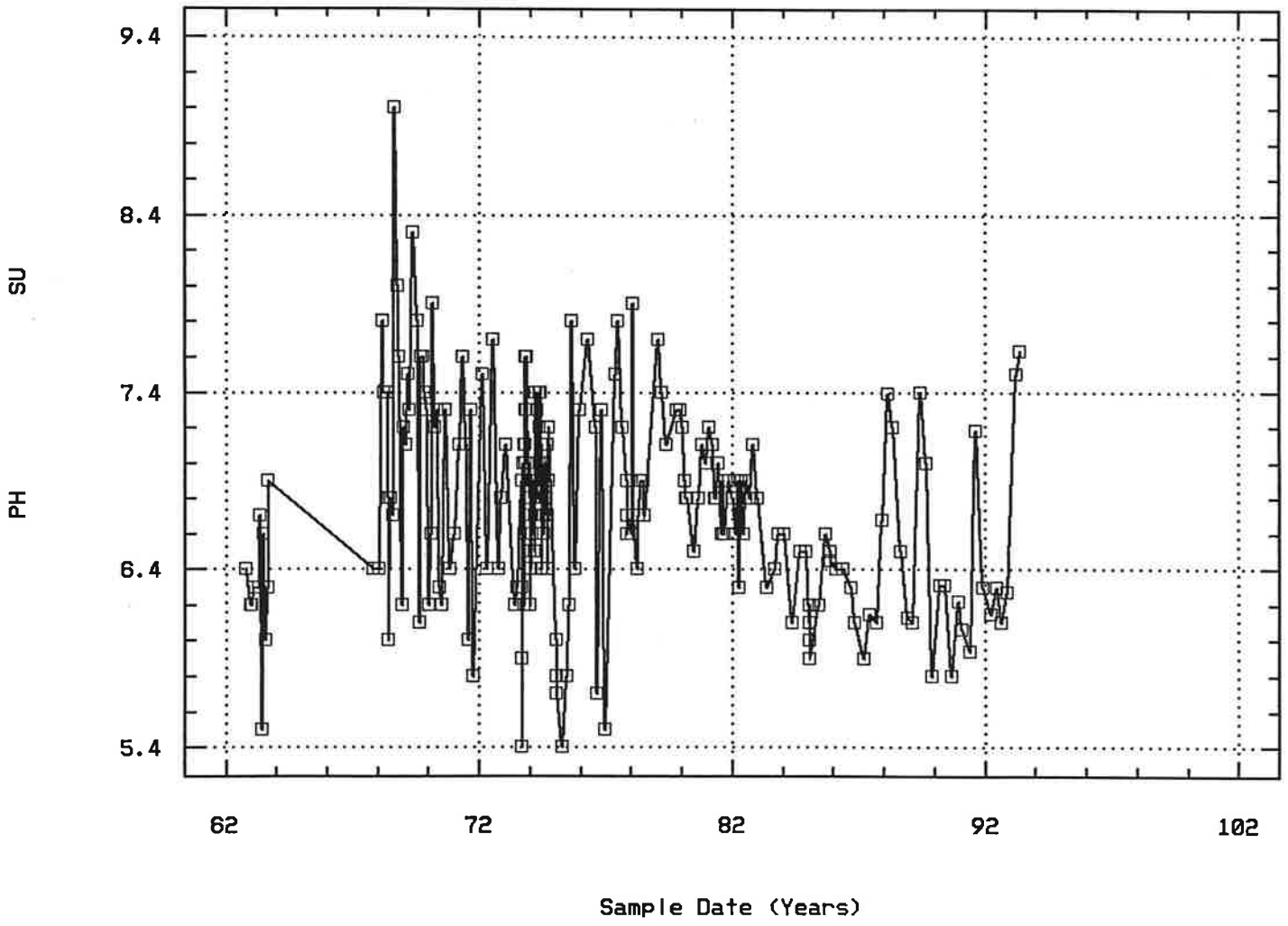
OXYGEN, DISSOLVED



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00400

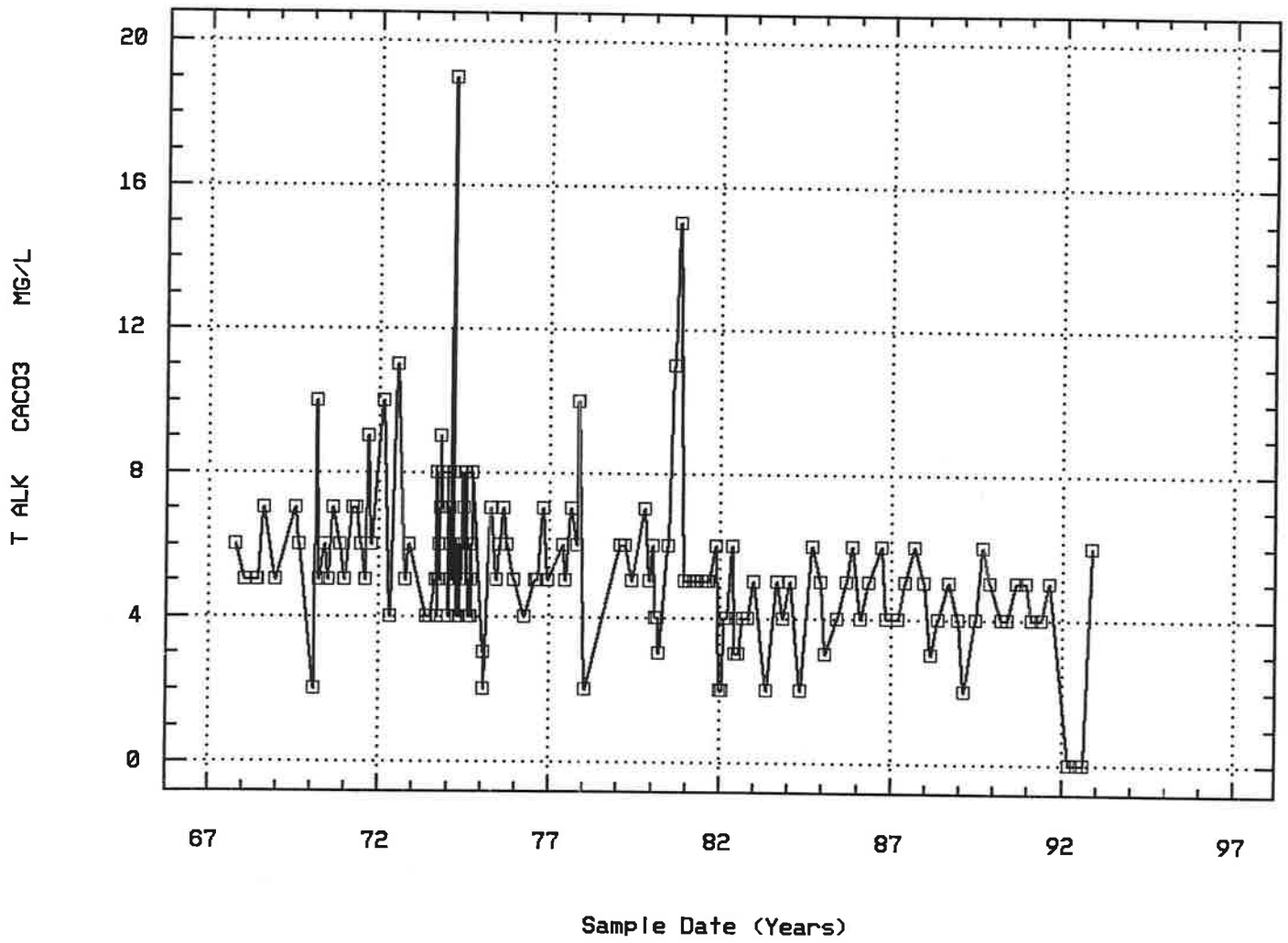
PH (STANDARD UNITS)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00410

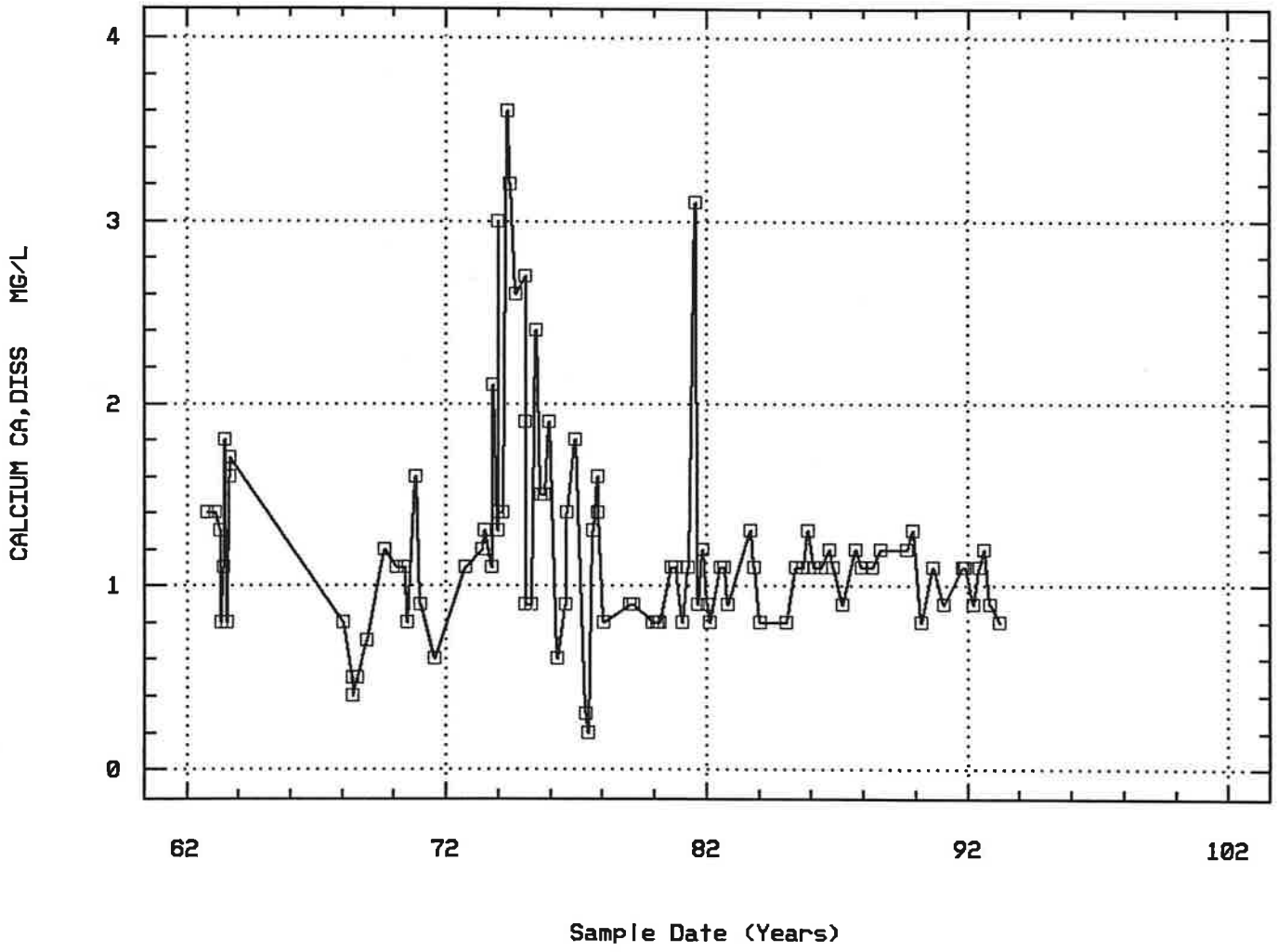
ALKALINITY, TOTAL (MG/L AS CACO3)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00915

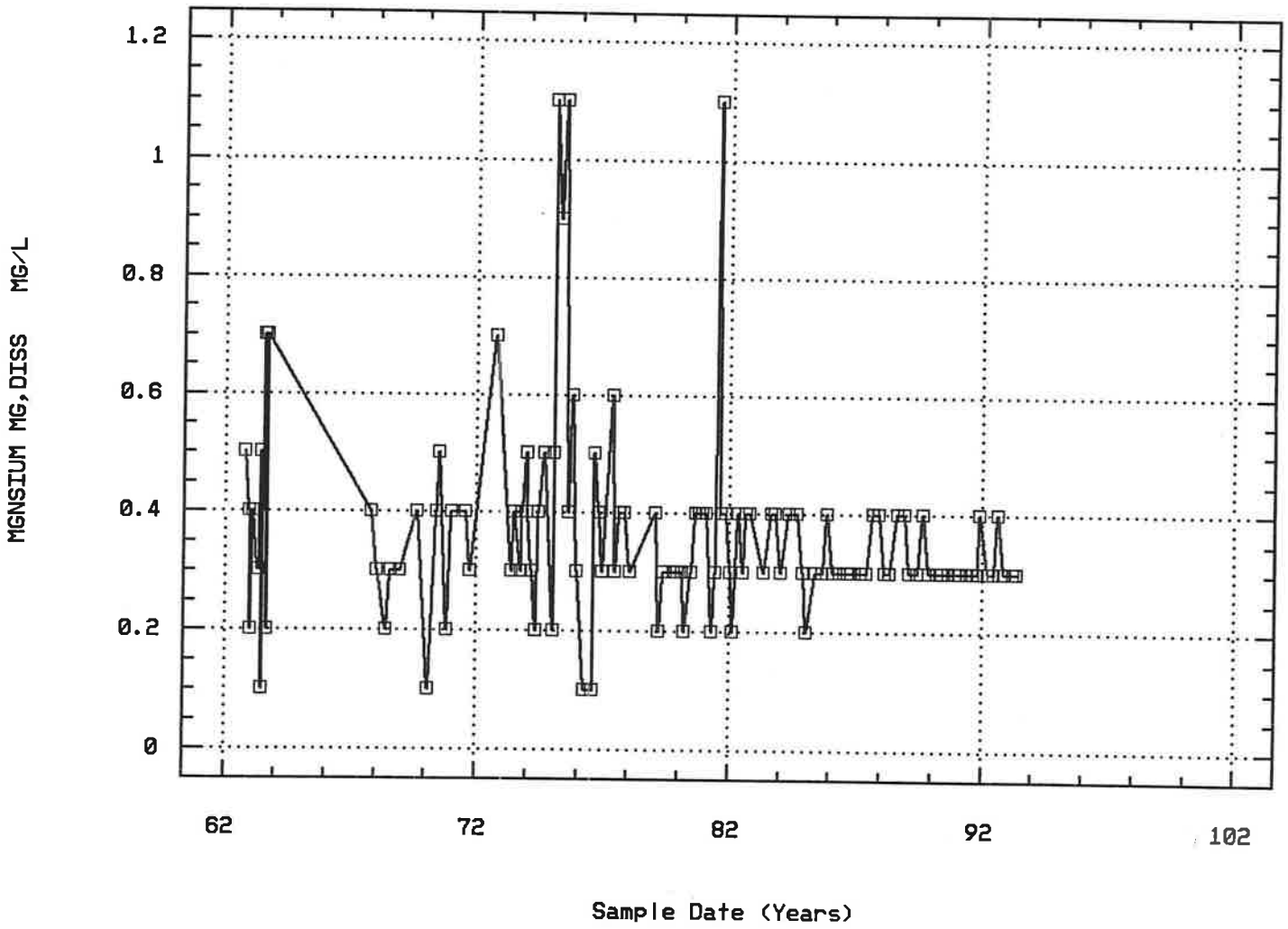
CALCIUM, DISSOLVED (MG/L AS CA)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00925

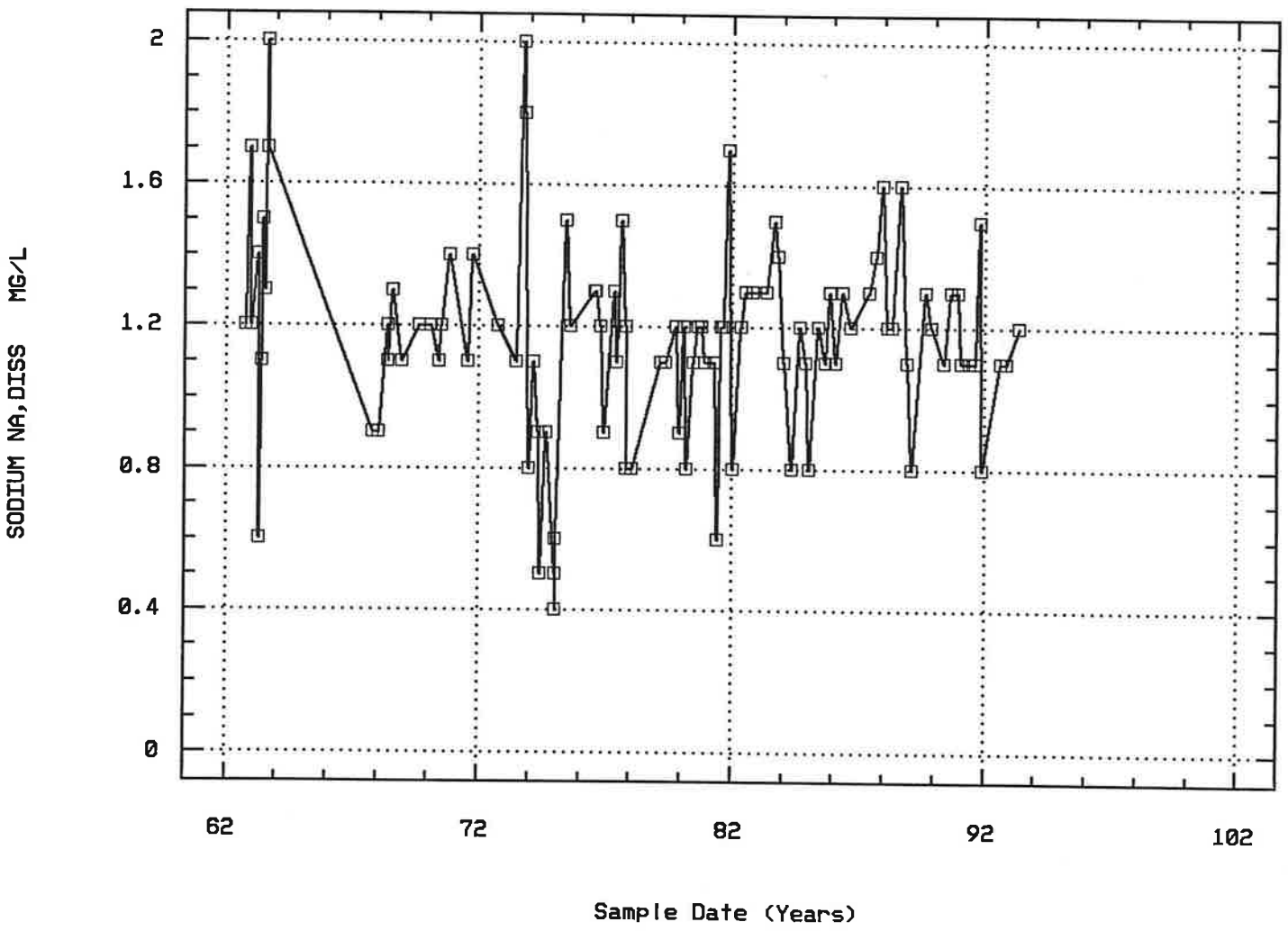
MAGNESIUM, DISSOLVED (MG/L AS MG)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00930

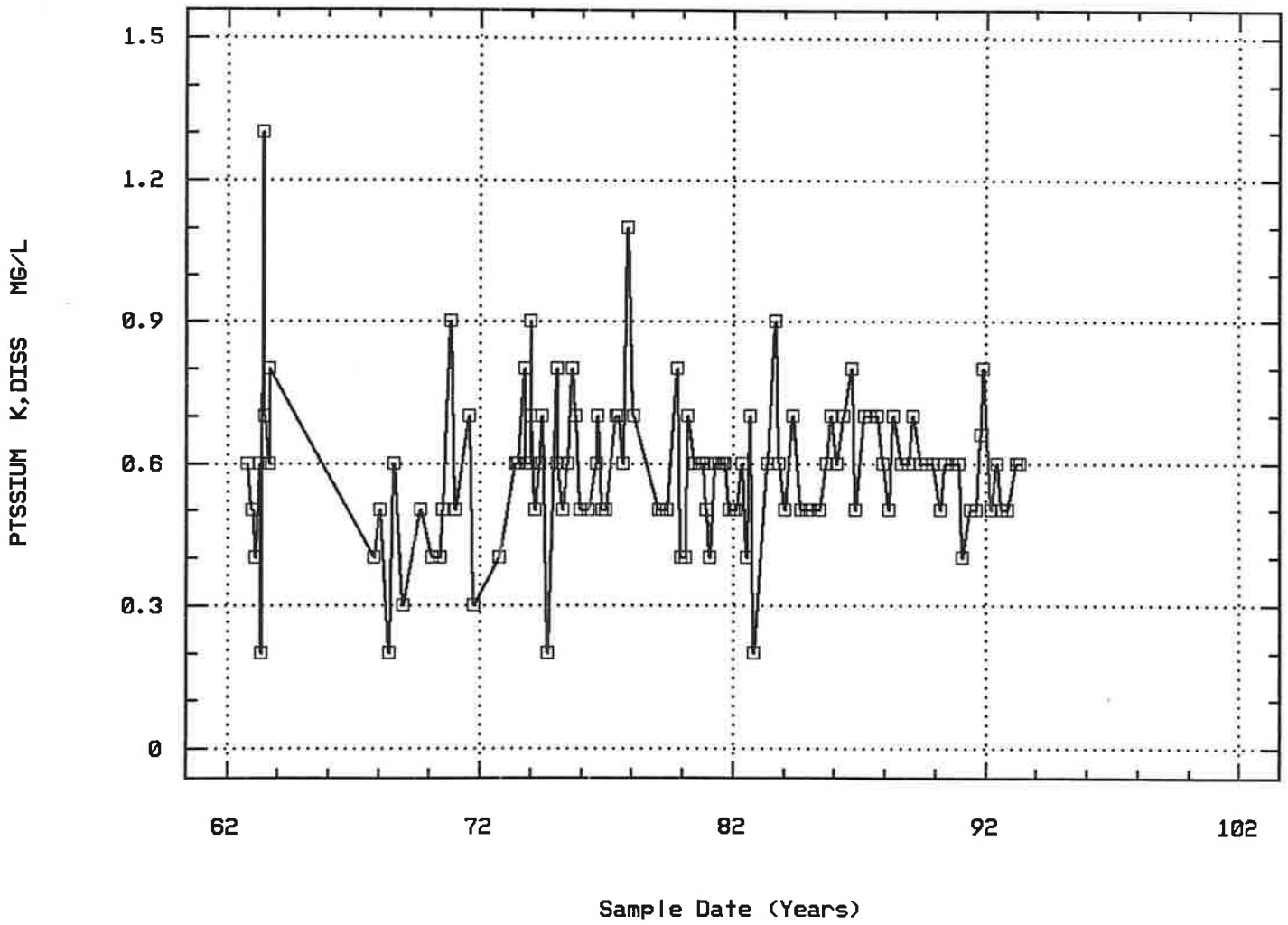
SODIUM, DISSOLVED (MG/L AS NA)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00935

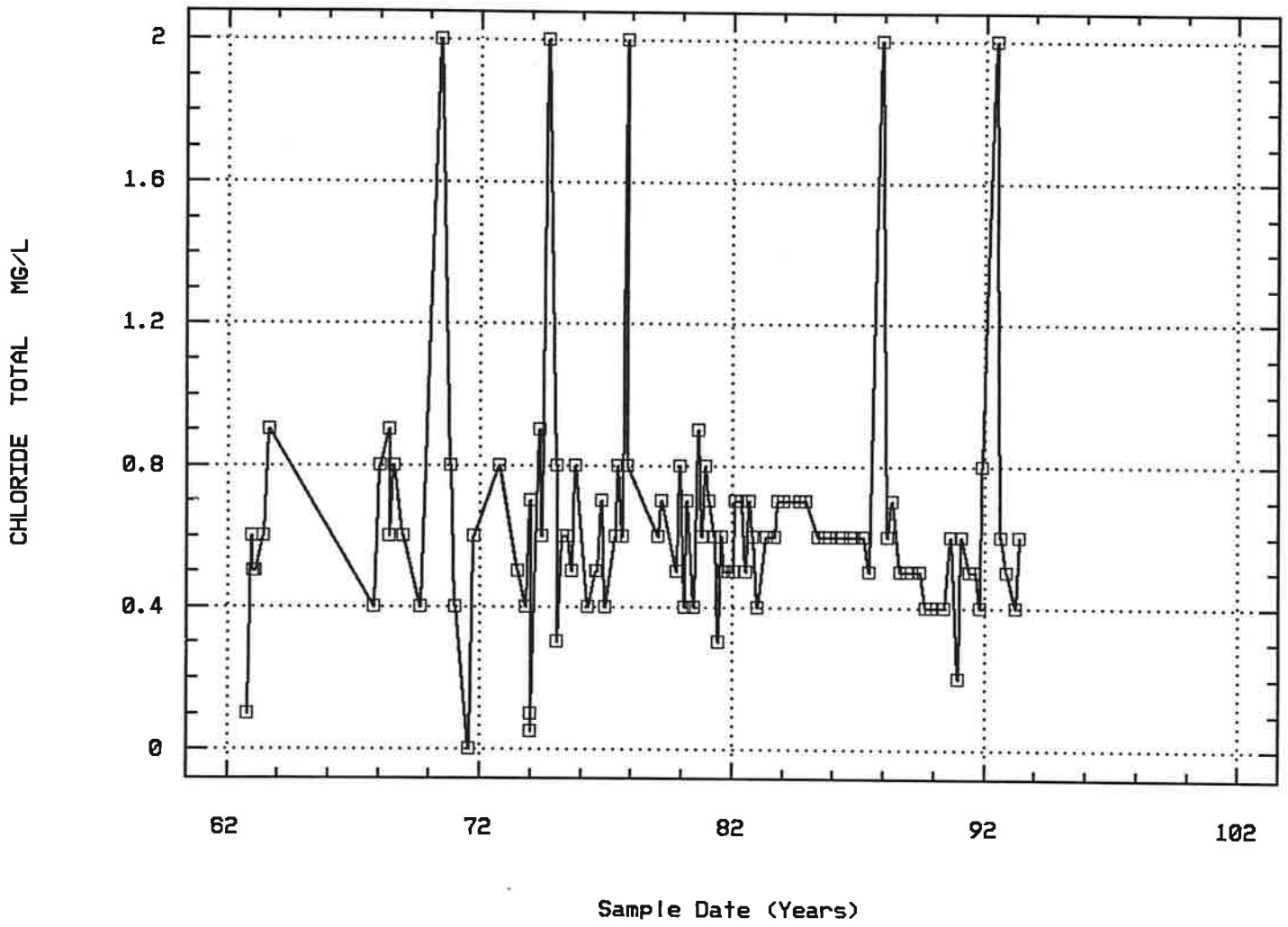
POTASSIUM, DISSOLVED (MG/L AS K)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00940

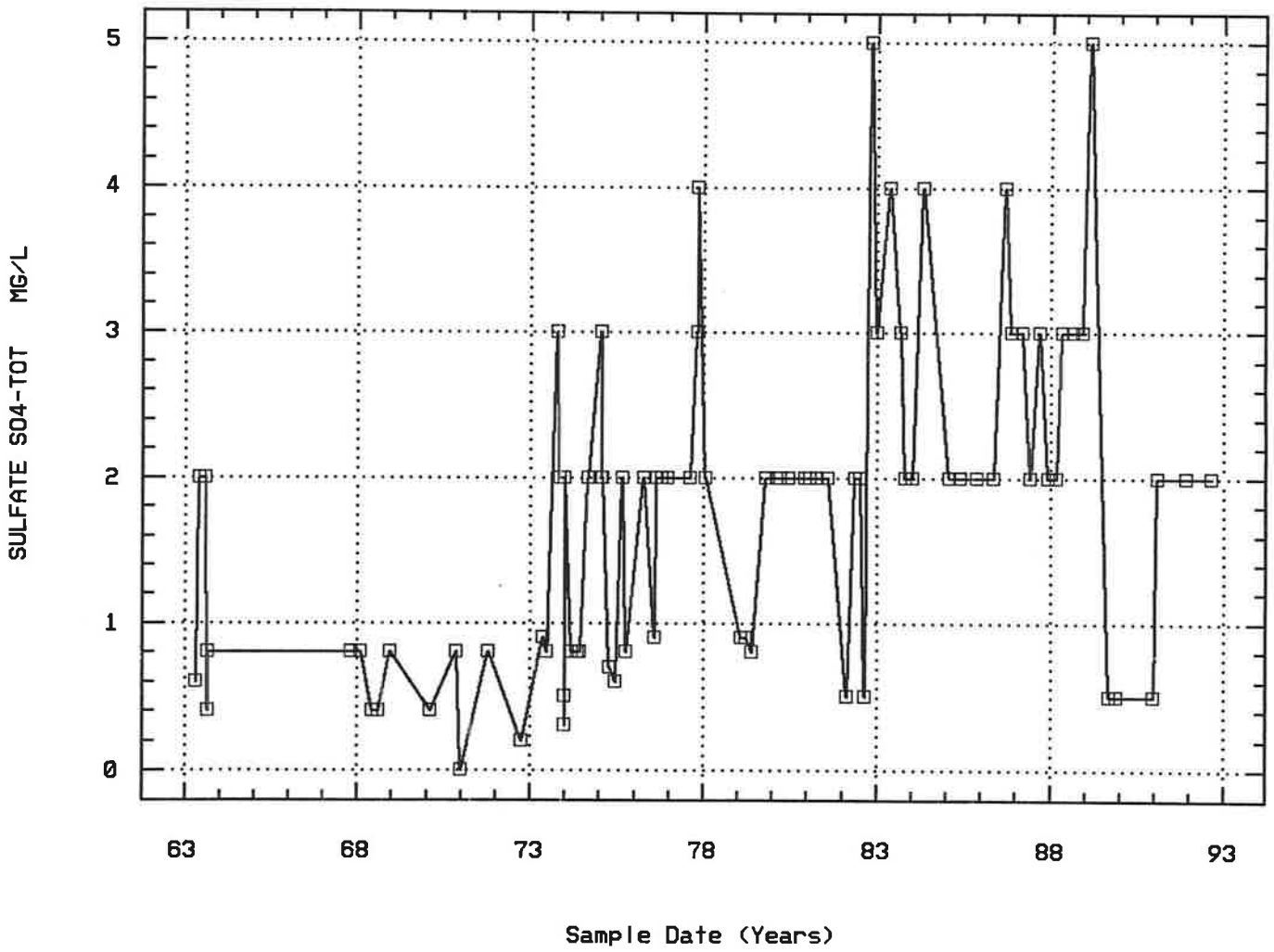
CHLORIDE,TOTAL IN WATER



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00945

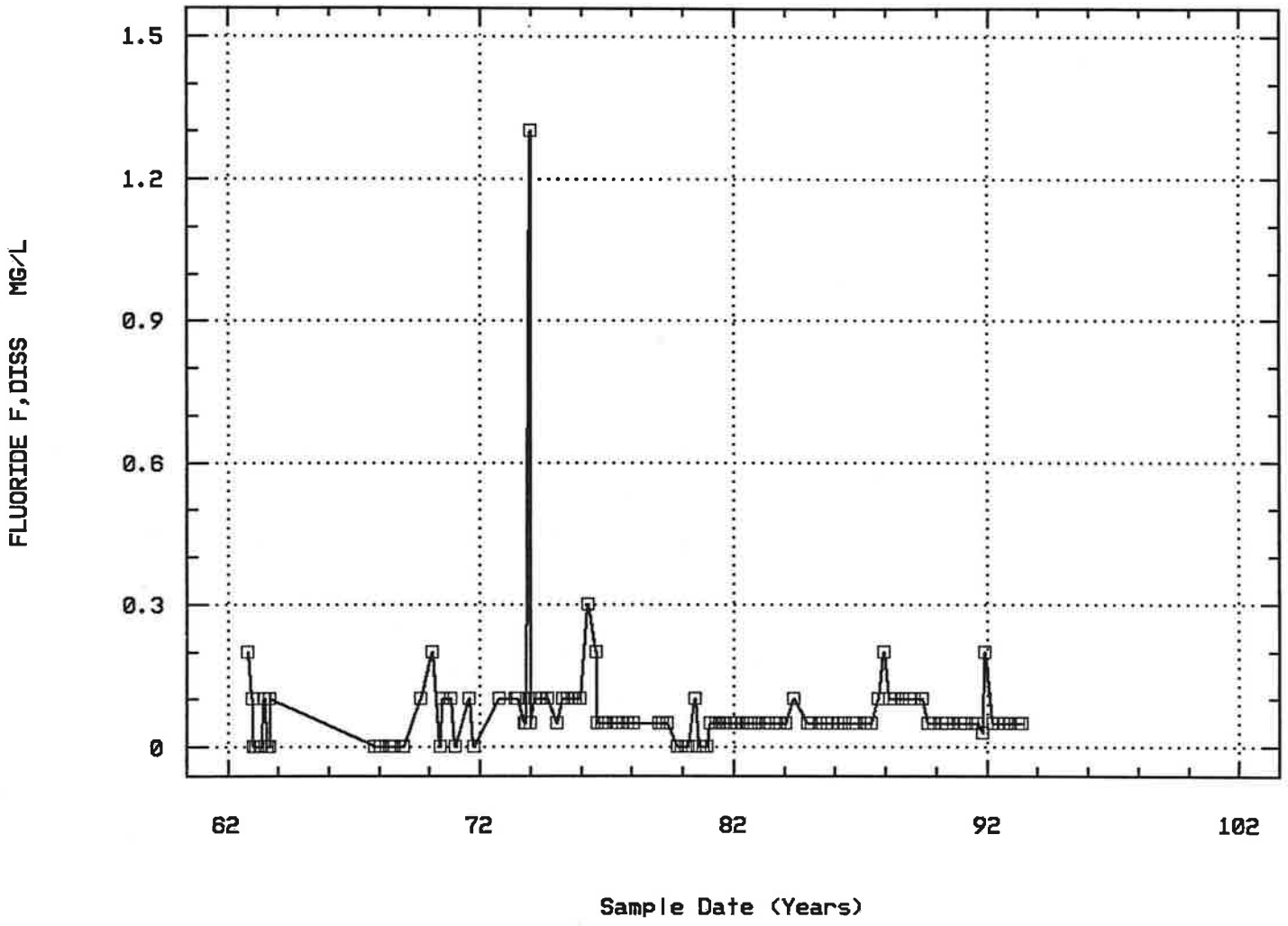
SULFATE, TOTAL (MG/L AS SO4)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00950

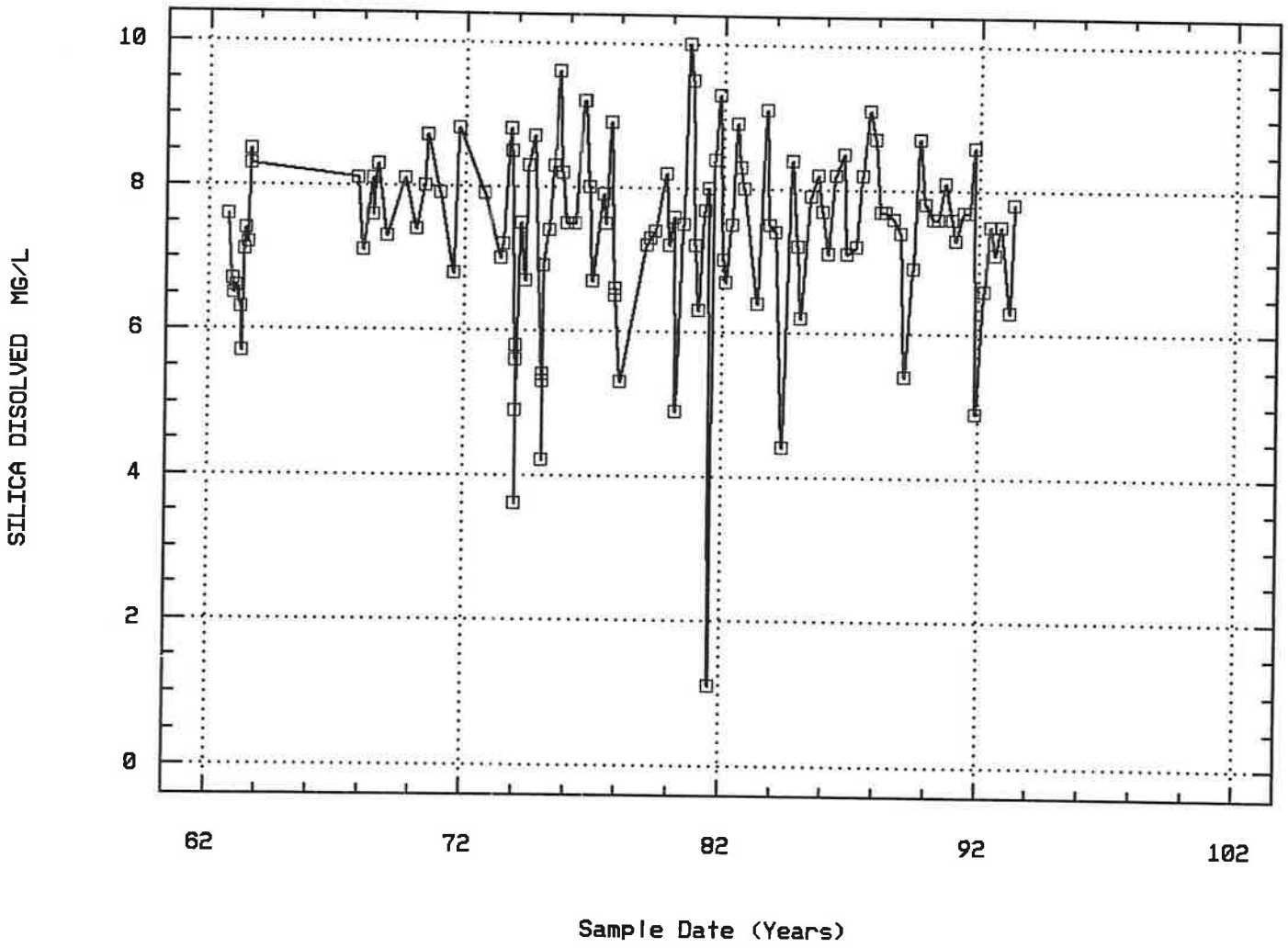
FLUORIDE, DISSOLVED (MG/L AS F)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00955

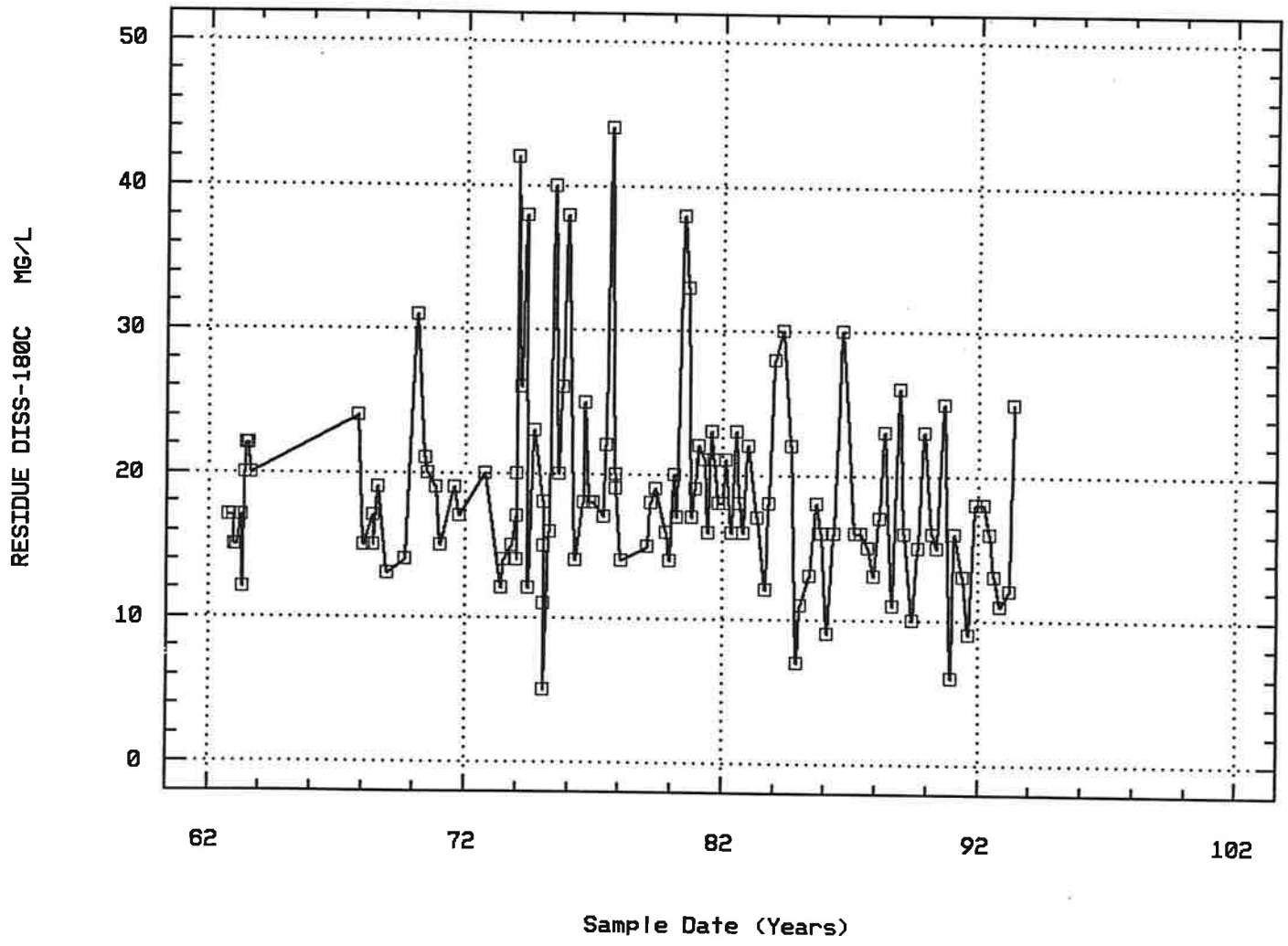
SILICA, DISSOLVED (MG/L AS SI02)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 70300

RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Annual Analysis for 1962 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY	CFS	10/18/62-06/28/73	2	41.	41.	45.	37.	32.	5.657	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	2	18.5	18.5	19.	18.	0.5	0.707	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	2	6.3	6.3	6.4	6.2	0.02	0.141	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	2	6.289	6.289	6.4	6.2	0.02	0.142	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	2	0.515	0.515	0.631	0.398	0.027	0.165	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	2	7.5	7.5	9.	6.	4.5	2.121	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1963 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY	CFS	10/18/62-06/28/73	9	74.	82.556	180.	34.	1753.028	41.869	34.	58.5	95.5	180.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	9	16.	16.333	23.	13.	9.5	3.082	13.	13.5	17.5	23.
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	9	6.3	6.311	6.9	5.5	0.169	0.411	5.5	6.1	6.65	6.9
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	9	6.3	6.117	6.9	5.5	0.211	0.459	5.5	6.1	6.65	6.9
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	9	0.501	0.764	3.162	0.126	0.878	0.937	0.126	0.225	0.815	3.162
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	9	8.	7.889	11.	5.	3.611	1.9	5.	6.5	9.5	11.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1967 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	3	9.	9.	10.	8.	1.	1.	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	10/18/62-06/28/73	2	116.5	116.5	167.	66.	5100.5	71.418	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	1	8.	8.	8.	8.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	12	11.5	9.417	17.	0.	31.174	5.583	0.	5.5	13.75	16.1
00060 FLOW, STREAM, MEAN DAILY	CFS	10/18/62-06/28/73	13	64.	80.154	174.	27.	2268.808	47.632	28.6	43.5	113.5	169.6
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	11	15.	15.636	22.	13.	6.455	2.541	13.	14.	17.	21.
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	8	10.5	10.875	13.	9.	1.839	1.356	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	12	7.1	7.175	9.	6.	0.738	0.859	6.06	6.475	7.75	8.7
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	12	7.004	6.652	9.	6.	1.037	1.019	6.06	6.475	7.75	8.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	12	0.099	0.223	1.	0.001	0.096	0.309	0.004	0.018	0.348	0.889
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	5	5.	5.4	7.	5.	0.8	0.894	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	5	6.	6.4	8.	6.	0.8	0.894	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	8	7.5	7.625	16.	0.	29.411	5.423	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	10/18/62-06/28/73	11	67.	84.455	224.	47.	2730.273	52.252	47.	54.	96.	205.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	9	15.	14.778	19.	11.	8.944	2.991	11.	11.5	17.5	19.
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	9	10.	10.333	14.	7.5	4.602	2.145	7.5	8.45	12.	14.
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	11	7.4	7.382	8.3	6.1	0.29	0.538	6.3	7.2	7.6	8.2
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	11	7.4	6.97	8.3	6.1	0.477	0.69	6.3	7.2	7.6	8.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	11	0.04	0.107	0.794	0.005	0.052	0.229	0.007	0.025	0.063	0.651
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	10	9.15	9.32	17.3	1.	29.266	5.41	1.22	3.8	14.2	17.05
00060 FLOW, STREAM, MEAN DAILY	CFS	10/18/62-06/28/73	10	94.	175.6	1080.	23.	102550.933	320.236	23.6	33.5	118.25	985.1
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	9	16.	15.778	20.	13.	3.444	1.856	13.	15.	16.	20.
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	5	10.6	10.5	11.7	8.8	1.51	1.229	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	9	6.6	6.822	7.9	6.2	0.379	0.616	6.2	6.25	7.3	7.9
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	9	6.6	6.541	7.9	6.2	0.468	0.684	6.2	6.25	7.3	7.9
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	9	0.251	0.288	0.631	0.013	0.067	0.258	0.013	0.05	0.566	0.631
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	7	6.	5.857	10.	2.	5.81	2.41	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	6	6.5	6.833	12.	3.	8.567	2.927	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	7	11.7	10.014	15.4	3.8	23.231	4.82	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	10/18/62-06/28/73	7	74.	118.857	322.	38.	9309.476	96.486	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	6	15.5	15.5	19.	12.	5.9	2.429	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	4	9.95	10.35	13.2	8.3	4.297	2.073	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	7	7.1	6.786	7.6	5.8	0.458	0.677	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	7	7.1	6.358	7.6	5.8	0.672	0.82	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	7	0.079	0.439	1.585	0.025	0.374	0.612	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	7	6.	6.429	9.	5.	1.952	1.397	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	3	6.	6.333	7.	6.	0.333	0.577	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	5	7.	8.92	15.5	3.2	32.817	5.729	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	10/18/62-06/28/73	6	97.5	101.5	169.	57.	1528.3	39.093	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	5	14.	15.	17.	14.	2.	1.414	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	3	12.1	12.033	12.3	11.7	0.093	0.306	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	5	6.8	6.96	7.7	6.4	0.373	0.611	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	5	6.8	6.696	7.7	6.4	0.46	0.678	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	5	0.158	0.201	0.398	0.02	0.035	0.188	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	5	6.	7.2	11.	4.	9.7	3.114	**	**	**	**

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Annual Analysis for 1972 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00440	BICARBONATE ION (MG/L AS HCO3)	10/18/62-12/07/88	1	6.	6.	6.	6.	0.	0.	**	**	**	**

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Annual Analysis for 1973 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	21	9.	10.214	18.	0.5	26.139	5.113	2.4	7.	16.	17.6
00060	FLOW, STREAM, MEAN DAILY CFS	10/18/62-06/28/73	3	114.	114.333	115.	114.	0.333	0.577	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	23	44.	163.696	1240.	33.	80867.767	284.373	35.4	38.	93.	580.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	10	16.5	17.1	25.	14.	10.1	3.178	14.	14.75	18.	24.3
00300	OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	20	10.25	10.42	14.3	8.	2.192	1.481	8.56	9.475	10.75	13.32
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	23	6.9	6.743	7.6	5.4	0.318	0.564	6.02	6.3	7.1	7.48
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	23	6.9	6.356	7.6	5.4	0.475	0.689	6.02	6.3	7.1	7.48
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	23	0.126	0.44	3.981	0.025	0.686	0.828	0.035	0.079	0.501	1.008
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	21	7.	6.524	9.	4.	2.462	1.569	4.	5.	8.	8.
00440	BICARBONATE ION (MG/L AS HCO3)	10/18/62-12/07/88	9	8.	7.778	10.	5.	3.194	1.787	5.	6.5	9.	10.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	6	17.5	57.833	232.	2.	7776.967	88.187	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/11/73-09/08/82	6	18.	153.615	777.	0.19	94848.575	307.975	**	**	**	**

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Annual Analysis for 1974 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	38	13.	12.284	18.	5.	12.707	3.565	6.	9.5	15.25	17.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	39	131.	152.333	435.	39.	10131.912	100.657	47.	67.	194.	321.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	19	16.	20.158	35.	10.	67.696	8.228	11.	14.	30.	30.
00300	OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	37	9.6	10.059	13.2	8.8	1.189	1.09	8.98	9.2	10.75	11.92
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	36	6.9	6.889	7.4	6.4	0.079	0.281	6.47	6.7	7.075	7.4
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	36	6.9	6.806	7.4	6.4	0.086	0.293	6.47	6.7	7.075	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	36	0.126	0.156	0.398	0.04	0.01	0.098	0.04	0.085	0.2	0.341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	35	6.	6.029	19.	4.	6.499	2.549	4.	5.	6.	8.
00440	BICARBONATE ION (MG/L AS HCO3)	10/18/62-12/07/88	4	6.5	6.25	7.	5.	0.917	0.957	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	3	9.	15.	34.	2.	283.	16.823	**	**	**	**
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/11/73-09/08/82	3	2.3	2.533	4.6	0.7	3.843	1.96	**	**	**	**

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Annual Analysis for 1975 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	10	8.5	10.45	17.	5.	19.469	4.412	5.2	7.	14.75	17.
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	15	114.	304.	1610.	35.	178380.	422.351	41.6	60.	293.	1118.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	10	15.5	15.9	23.	11.	12.1	3.479	11.2	13.75	17.75	22.7
00300	OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	7	11.	10.914	12.9	9.3	1.355	1.164	**	**	**	**
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	10	5.9	6.21	7.8	5.4	0.59	0.768	5.43	5.7	6.625	7.75
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	10	5.889	5.878	7.8	5.4	0.712	0.844	5.43	5.7	6.625	7.75
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	10	1.292	1.324	3.981	0.016	1.43	1.196	0.019	0.311	1.995	3.782
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	10	5.	4.6	7.	2.	3.822	1.955	2.	2.75	6.25	7.
00440	BICARBONATE ION (MG/L AS HCO3)	10/18/62-12/07/88	9	6.	5.444	8.	3.	4.028	2.007	3.	3.5	7.5	8.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	14	4.	34.143	383.	2.	10170.44	100.849	2.5	3.	8.	211.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/11/73-09/08/82	14	1.75	126.542	1670.	0.38	197819.365	444.769	0.435	0.59	3.35	876.5

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Annual Analysis for 1976 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	5	7.	8.9	17.	1.5	41.3	6.427	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	09/04/73-05/11/93	14	71.5	79.714	167.	29.	1949.143	44.149	30.	43.75	108.5	157.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	5	15.	15.2	17.	14.	1.7	1.304	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	5	12.	11.46	14.5	8.8	5.238	2.289	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	5	7.2	6.68	7.7	5.5	1.012	1.006	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	5	7.2	5.975	7.7	5.5	1.632	1.278	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	5	0.063	1.058	3.162	0.02	2.097	1.448	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	5	5.	5.2	7.	4.	1.2	1.095	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	5	6.	6.2	8.	5.	1.2	1.095	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		10/11/73-05/11/93	13	3.	4.	17.	1.	18.167	4.262	1.4	2.	3.5	13.4
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		10/11/73-09/08/82	13	0.51	0.755	2.	0.08	0.406	0.637	0.116	0.27	1.05	2.

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Annual Analysis for 1977 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	8	13.75	12.375	18.5	0.	31.768	5.636	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	09/04/73-05/11/93	15	90.	134.533	500.	43.	14600.981	120.835	45.4	55.	170.	360.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	8	14.5	15.875	25.	10.	26.696	5.167	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	8	11.05	11.25	13.	9.8	1.42	1.192	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	7	6.9	7.043	7.8	6.6	0.223	0.472	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	7	6.9	6.873	7.8	6.6	0.257	0.507	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	7	0.126	0.134	0.251	0.016	0.01	0.101	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	5	6.	6.8	10.	5.	3.7	1.924	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	5	7.	8.	12.	6.	5.5	2.345	**	**	**	**
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM		10/17/77-03/30/93	3	100.	81.667	100.	45.	1008.333	31.754	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		10/11/73-05/11/93	12	3.	5.583	31.	1.	69.356	8.328	1.	1.	6.25	24.1
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		10/11/73-09/08/82	12	0.71	3.085	17.	0.12	28.484	5.337	0.129	0.168	2.875	15.2

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Annual Analysis for 1978 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	8	11.5	10.875	19.	1.	46.125	6.792	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	09/04/73-05/11/93	17	116.	164.765	890.	27.	40155.441	200.388	33.4	59.5	186.5	416.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	7	11.	11.857	20.	6.	29.476	5.429	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	7	11.	10.971	15.	8.	5.549	2.356	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	7	6.7	6.886	7.9	6.4	0.228	0.478	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	7	6.7	6.744	7.9	6.4	0.251	0.501	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	7	0.2	0.18	0.398	0.013	0.014	0.117	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	1	3.	3.	3.	3.	0.	0.	**	**	**	**
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM		10/17/77-03/30/93	8	100.	91.75	100.	62.	189.071	13.75	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		10/11/73-05/11/93	9	4.	5.556	24.	1.	51.778	7.196	1.	1.5	6.	24.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		10/11/73-09/08/82	9	1.	7.301	58.	0.07	361.91	19.024	0.07	0.415	1.95	58.

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Annual Analysis for 1979 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	5	10.	7.	12.	1.	30.5	5.523	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	10	108.	121.7	282.	59.	3647.789	60.397	61.8	93.	126.5	267.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	5	13.	13.6	16.	12.	2.3	1.517	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	5	9.4	10.6	16.	7.8	10.7	3.271	**	**	**	**
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	5	7.3	7.36	7.7	7.1	0.048	0.219	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	5	7.3	7.32	7.7	7.1	0.05	0.224	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	5	0.05	0.048	0.079	0.02	0.	0.022	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	5	6.	5.8	7.	5.	0.7	0.837	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/18/62-12/07/88	5	7.	6.8	8.	6.	0.7	0.837	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	10	100.	85.7	100.	50.	377.122	19.42	51.3	69.	100.	100.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	10	1.5	1.9	8.	0.	6.322	2.514	0.	0.	2.5	7.6
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/11/73-09/08/82	10	0.29	0.563	2.5	0.	0.673	0.82	0.	0.	0.81	2.4

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Annual Analysis for 1980 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	9	7.5	8.389	15.5	2.5	18.674	4.321	2.5	5.5	12.	15.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	13	80.	279.615	1480.	26.	227235.256	476.692	26.	52.	175.5	1368.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	8	14.5	14.25	17.	11.	4.5	2.121	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	8	10.05	10.25	16.	7.2	7.829	2.798	**	**	**	**
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	8	6.85	6.888	7.2	6.5	0.047	0.217	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	8	6.847	6.839	7.2	6.5	0.05	0.223	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	8	0.142	0.145	0.316	0.063	0.006	0.079	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	8	5.5	6.75	15.	3.	17.071	4.132	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/18/62-12/07/88	8	6.5	7.5	18.	4.	19.714	4.44	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	12	57.	60.917	88.	33.	294.447	17.159	36.3	48.5	75.	86.5
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	13	3.	9.308	51.	1.	229.731	15.157	1.	1.5	7.5	43.8
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/11/73-09/08/82	13	0.58	24.647	204.	0.07	3765.49	61.364	0.098	0.285	2.75	165.2

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Annual Analysis for 1981 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	11	10.	8.955	17.5	0.	53.723	7.33	0.2	1.5	16.5	17.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	14	50.	72.357	202.	28.	3056.555	55.286	29.	36.5	89.75	188.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	10	14.5	14.9	19.	12.	4.989	2.234	12.1	13.	16.5	18.9
00300	OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	10	9.4	9.65	12.1	7.6	2.585	1.608	7.62	8.1	11.1	12.06
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	10	6.85	6.87	7.2	6.6	0.038	0.195	6.6	6.75	7.025	7.19
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	10	6.847	6.832	7.2	6.6	0.039	0.199	6.6	6.75	7.025	7.19
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	10	0.142	0.147	0.251	0.063	0.004	0.064	0.065	0.095	0.182	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	10	5.	4.8	6.	2.	1.067	1.033	2.3	5.	5.	5.9
00440	BICARBONATE ION (MG/L AS HCO3)	10/18/62-12/07/88	10	6.	5.9	7.	3.	1.211	1.101	3.3	6.	6.25	7.
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	13	50.	45.769	72.	17.	339.359	18.422	20.2	27.5	63.5	70.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	13	2.	2.923	9.	1.	4.91	2.216	1.	2.	3.	7.8
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/11/73-09/08/82	13	0.31	0.752	4.9	0.08	1.638	1.28	0.092	0.21	0.8	3.34

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	9	11.	10.778	17.	3.5	21.507	4.638	3.5	6.5	14.	17.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	09/04/73-05/11/93	10	83.	96.6	231.	41.	3361.156	57.975	41.6	53.	120.25	223.6
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	9	13.	13.556	16.	11.	3.278	1.81	11.	12.	15.5	16.
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	9	8.8	8.878	12.8	6.3	3.737	1.933	6.3	7.5	9.9	12.8
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	9	6.8	6.767	7.1	6.3	0.055	0.235	6.3	6.6	6.9	7.1
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	9	6.8	6.704	7.1	6.3	0.059	0.244	6.3	6.6	6.9	7.1
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	9	0.158	0.198	0.501	0.079	0.016	0.128	0.079	0.126	0.251	0.501
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	8	4.	3.75	6.	2.	1.357	1.165	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	8	5.	4.75	7.	3.	1.357	1.165	**	**	**	**
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM		10/17/77-03/30/93	10	73.	74.1	100.	57.	200.767	14.169	57.2	59.75	84.75	99.
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		10/11/73-05/11/93	10	3.5	4.3	12.	1.	11.567	3.401	1.	1.75	6.25	11.5
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)		10/11/73-09/08/82	8	0.73	0.94	2.5	0.15	0.558	0.747	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	4	9.75	10.5	17.	5.5	29.833	5.462	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	09/04/73-05/11/93	4	78.	140.75	374.	33.	25920.917	161.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	4	14.	13.5	16.	10.	6.333	2.517	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	4	10.65	10.725	12.6	9.	2.303	1.517	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	4	6.5	6.525	6.8	6.3	0.049	0.222	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	4	6.489	6.485	6.8	6.3	0.051	0.226	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	4	0.325	0.327	0.501	0.158	0.023	0.152	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	4	4.5	4.	5.	2.	2.	1.414	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	4	5.5	5.	6.	3.	2.	1.414	**	**	**	**
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM		10/17/77-03/30/93	4	75.	75.	86.	64.	80.667	8.981	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		10/11/73-05/11/93	4	2.5	14.25	51.	1.	600.917	24.514	**	**	**	**

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Annual Analysis for 1984 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	4	8.	7.375	11.	2.5	14.063	3.75	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	09/04/73-05/11/93	7	59.	286.143	1550.	38.	313098.476	559.552	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	4	14.5	14.5	15.	14.	0.333	0.577	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	4	10.75	11.65	15.	10.1	5.363	2.316	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	4	6.5	6.425	6.6	6.1	0.049	0.222	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	4	6.5	6.377	6.6	6.1	0.052	0.228	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	4	0.316	0.419	0.794	0.251	0.063	0.252	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	4	5.	4.5	6.	2.	3.	1.732	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	4	6.	5.25	7.	2.	4.917	2.217	**	**	**	**
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM		10/17/77-03/30/93	7	55.	62.286	93.	50.	226.238	15.041	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		10/11/73-05/11/93	7	3.	34.429	225.	1.	7062.952	84.041	**	**	**	**

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Annual Analysis for 1985 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	22	11.25	8.318	12.	4.	16.013	4.002	4.	4.	12.	12.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	09/04/73-05/11/93	4	44.	100.	280.	32.	14498.667	120.41	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	22	15.	14.545	17.	12.	5.974	2.444	12.	12.	17.	17.
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	22	10.55	11.15	12.3	10.1	1.182	1.087	10.1	10.1	12.3	12.3
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	22	6.325	6.284	6.6	5.9	0.052	0.229	6.	6.075	6.5	6.5
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	22	6.307	6.226	6.6	5.9	0.056	0.237	6.	6.075	6.5	6.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	22	0.493	0.594	1.259	0.251	0.098	0.313	0.316	0.316	0.846	1.
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	4	4.5	4.5	6.	3.	1.667	1.291	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/18/62-12/07/88	3	5.	4.667	6.	3.	2.333	1.528	**	**	**	**
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM		10/17/77-03/30/93	6	58.5	55.833	80.	25.	327.767	18.104	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		10/11/73-05/11/93	7	2.	2.	3.	1.	0.333	0.577	**	**	**	**

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Annual Analysis for 1986 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	4	11.5	10.5	15.	4.	25.667	5.066	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	09/04/73-05/11/93	4	48.5	45.75	59.	27.	254.25	15.945	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	4	15.5	15.25	17.	13.	2.917	1.708	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	4	10.2	10.6	12.6	9.4	1.98	1.407	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	4	6.35	6.3	6.4	6.1	0.02	0.141	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	4	6.347	6.282	6.4	6.1	0.02	0.143	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	4	0.45	0.523	0.794	0.398	0.035	0.187	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	4	4.5	4.75	6.	4.	0.917	0.957	**	**	**	**
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM		10/17/77-03/30/93	2	62.5	62.5	77.	48.	420.5	20.506	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		10/11/73-05/11/93	4	1.	2.25	7.	0.	10.917	3.304	**	**	**	**

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Annual Analysis for 1987 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	4	9.25	9.375	16.	3.	37.563	6.129	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	09/04/73-05/11/93	4	52.	66.	138.	22.	2770.667	52.637	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	4	14.5	14.75	16.	14.	0.917	0.957	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	4	11.25	10.95	12.7	8.6	4.137	2.034	**	**	**	**
00400 PH (STANDARD UNITS)		10/18/62-05/11/93	4	6.125	6.208	6.68	5.9	0.111	0.333	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/18/62-05/11/93	4	6.124	6.129	6.68	5.9	0.119	0.345	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/18/62-05/11/93	4	0.751	0.743	1.259	0.209	0.185	0.43	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		11/01/67-11/17/92	4	5.	5.	6.	4.	0.667	0.816	**	**	**	**
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM		10/17/77-03/30/93	4	31.5	25.5	39.	0.	303.	17.407	**	**	**	**
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)		10/11/73-05/11/93	4	3.	3.75	9.	0.	14.917	3.862	**	**	**	**

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Annual Analysis for 1988 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/03/67-05/11/93	4	7.	7.25	14.	1.	44.917	6.702	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	09/04/73-05/11/93	4	51.	55.5	72.	48.	123.667	11.121	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/62-05/11/93	4	15.	15.	16.	14.	0.667	0.815	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/05/68-05/11/93	4	11.95	11.925	14.4	9.4	6.449	2.54	**	**	**	**

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Annual Analysis for 1988 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	4	6.85	6.805	7.39	6.13	0.349	0.591	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	4	6.722	6.537	7.39	6.13	0.445	0.667	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	4	0.19	0.29	0.741	0.041	0.106	0.326	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	4	4.	4.	5.	3.	0.667	0.816	**	**	**	**
00440	BICARBONATE ION,(MG/L AS HCO3)	10/18/62-12/07/88	1	5.	5.	5.	5.	0.	0.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	4	10.	13.	32.	0.	249.333	15.79	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	4	1.	2.25	7.	0.	10.917	3.304	**	**	**	**

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Annual Analysis for 1989 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	4	11.	11.5	16.	8.	13.667	3.697	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	4	239.5	284.5	605.	54.	60720.333	246.415	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	4	14.5	14.75	18.	12.	6.25	2.5	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	4	10.35	10.375	11.4	9.4	0.709	0.842	**	**	**	**
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	4	6.55	6.575	7.4	5.8	0.563	0.75	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	4	6.35	6.201	7.4	5.8	0.749	0.866	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	4	0.447	0.63	1.585	0.04	0.523	0.723	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	4	4.5	4.25	6.	2.	2.917	1.708	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	4	32.5	26.25	40.	0.	356.25	18.875	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	4	15.5	25.25	69.	1.	945.583	30.75	**	**	**	**

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Annual Analysis for 1990 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	4	11.25	10.25	16.5	2.	39.75	6.305	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	4	76.5	98.25	188.	52.	4081.583	63.887	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	4	14.	14.	15.	13.	1.333	1.155	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	4	10.15	10.575	12.7	9.3	2.542	1.595	**	**	**	**
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	4	6.265	6.16	6.31	5.8	0.059	0.244	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	4	6.263	6.101	6.31	5.8	0.064	0.253	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	4	0.546	0.792	1.585	0.49	0.282	0.531	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	4	4.5	4.5	5.	4.	0.333	0.577	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	3	17.	26.	55.	6.	661.	25.71	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	4	2.5	2.	3.	0.	2.	1.414	**	**	**	**

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Annual Analysis for 1991 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	4	11.75	10.5	14.5	4.	21.5	4.637	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	4	153.	249.75	626.	67.	64560.917	254.088	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	4	14.5	14.	16.	11.	4.667	2.16	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	4	11.75	12.025	14.8	9.8	6.802	2.608	**	**	**	**
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	4	6.18	6.37	7.18	5.94	0.314	0.56	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	4	6.164	6.189	7.18	5.94	0.358	0.598	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	4	0.686	0.647	1.148	0.066	0.22	0.469	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	3	4.	4.333	5.	4.	0.333	0.577	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	4	46.	37.	56.	0.	631.333	25.126	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	4	5.5	6.25	12.	2.	17.583	4.193	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	4	9.1	9.425	15.	4.5	32.623	5.712	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	4	124.5	135.	197.	94.	1975.333	44.445	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	4	14.5	14.75	16.	14.	0.917	0.957	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	4	10.75	10.575	11.9	8.9	2.276	1.509	**	**	**	**
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	4	6.21	6.205	6.3	6.1	0.009	0.095	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	4	6.206	6.197	6.3	6.1	0.009	0.095	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	4	0.622	0.635	0.794	0.501	0.019	0.139	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	4	0.	1.5	6.	0.	9.	3.	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	3	57.	53.	70.	32.	373.	19.313	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	3	3.	2.667	4.	1.	2.333	1.528	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station GRSM0184

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	2	11.5	11.5	13.	10.	4.5	2.121	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	2	180.5	180.5	275.	86.	17860.5	133.643	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	2	14.5	14.5	15.	14.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	2	9.75	9.75	10.3	9.2	0.605	0.778	**	**	**	**
00400	PH (STANDARD UNITS)	10/18/62-05/11/93	2	7.565	7.565	7.63	7.5	0.008	0.092	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	2	7.56	7.56	7.63	7.5	0.008	0.092	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	2	0.028	0.028	0.032	0.023	0.	0.006	**	**	**	**
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	1	54.	54.	54.	54.	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	2	3.	3.	3.	3.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 10/01 to 3/31 - Station GRSM0184

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	124	7.	6.777	16.	0.	15.565	3.945	1.25	4.	10.	12.
00060 FLOW, STREAM, MEAN DAILY CFS	10/18/62-06/28/73	30	70.5	85.133	224.	23.	2246.533	47.398	31.4	46.5	112.5	160.1
00061 FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	110	111.	200.191	1610.	22.	80200.229	283.196	36.	52.75	200.5	538.5
00065 STAGE, STREAM (FEET)	05/12/86-05/11/93	14	2.625	2.757	3.97	2.04	0.365	0.604	2.145	2.29	3.05	3.95
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/82-05/11/93	22	0.5	1.3	15.	0.2	9.665	3.109	0.23	0.4	0.775	2.29
00080 COLOR (PLATINUM-COBALT UNITS)	10/18/62-05/29/79	31	7.	11.032	40.	0.	103.966	10.196	0.6	5.	20.	29.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	107	14.	14.477	25.	6.	7.12	2.668	12.	13.	16.	17.2
00300p OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	108	11.05	11.344	16.	7.5	2.649	1.627	9.69	10.125	12.3	13.52
00310 BOD, 5 DAY, 20 DEG C MG/L	11/01/67-07/12/78	31	0.5	0.535	1.4	0.	0.117	0.342	0.12	0.3	0.7	1.1
00400p PH (STANDARD UNITS)	10/18/62-05/11/93	124	6.6	6.693	8.	5.5	0.299	0.547	6.	6.278	7.1	7.45
00400p CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	124	6.6	6.404	8.	5.5	0.383	0.619	6.	6.277	7.1	7.45
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	124	0.251	0.394	3.162	0.01	0.228	0.478	0.036	0.079	0.528	1.
00403 PH, LAB, STANDARD UNITS SU	10/15/80-05/11/93	29	7.1	7.114	8.2	6.5	0.198	0.445	6.6	6.85	7.35	8.
00403 CONVERTED PH, LAB, STANDARD UNITS	10/15/80-05/11/93	29	7.1	6.944	8.2	6.5	0.228	0.478	6.6	6.85	7.35	8.
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/80-05/11/93	29	0.079	0.114	0.316	0.006	0.008	0.092	0.01	0.045	0.142	0.251
00405 CARBON DIOXIDE (MG/L AS CO2)	10/03/72-01/03/83	37	1.3	3.295	30.	0.1	29.113	5.396	0.44	0.65	3.9	8.4
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	83	5.	5.542	19.	0.	7.129	2.67	2.4	4.	7.	8.
00440p BICARBONATE ION (MG/L AS HCO3)	10/18/62-12/07/88	55	6.	6.455	18.	3.	6.623	2.573	3.	5.	8.	8.4
00445 CARBONATE ION (MG/L AS CO3)	11/01/67-01/03/83	41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00600 NITROGEN, TOTAL (MG/L AS N)	10/11/73-09/08/82	23	0.35	0.487	1.7	0.11	0.145	0.38	0.16	0.24	0.72	1.06
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/07/73-02/11/86	22	0.11	0.26	1.5	0.	0.12	0.346	0.	0.065	0.383	0.727
00607 NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	11/07/73-09/08/82	20	0.085	0.113	0.47	0.	0.014	0.119	0.	0.018	0.155	0.268
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/07/73-05/11/93	44	0.01	0.026	0.15	0.005	0.001	0.032	0.005	0.005	0.04	0.075
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/73-11/17/92	38	0.01	0.017	0.1	0.	0.	0.021	0.005	0.005	0.02	0.031
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/18/85-05/11/93	16##	0.005	0.006	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.01
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/17/73-11/17/92	13##	0.005	0.008	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.016
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-05/29/79	9	0.18	0.213	0.46	0.06	0.019	0.139	0.06	0.12	0.315	0.46
00623 NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/11/73-08/20/91	23	0.09	0.133	0.51	0.01	0.015	0.121	0.044	0.05	0.15	0.336
00624 NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	12/26/73-09/08/82	19	0.05	0.167	1.2	0.	0.094	0.307	0.	0.	0.13	0.66
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/11/73-05/11/93	47	0.18	0.297	1.5	0.05	0.105	0.323	0.05	0.1	0.4	0.9
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/11/73-11/17/92	35	0.2	0.207	0.63	0.	0.016	0.127	0.056	0.15	0.24	0.388
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/11/73-05/11/93	51	0.2	0.171	0.4	0.	0.007	0.083	0.05	0.1	0.2	0.2
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	02/01/68-11/02/82	25	0.03	0.041	0.15	0.	0.002	0.045	0.	0.	0.09	0.102
00665 PHOSPHORUS, TOTAL (MG/L AS P)	02/09/70-05/11/93	57	0.01	0.026	0.36	0.	0.003	0.054	0.	0.005	0.02	0.044
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	10/11/73-05/11/93	43	0.01	0.014	0.06	0.005	0.	0.014	0.005	0.005	0.01	0.036
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/07/73-05/11/93	45	0.005	0.013	0.06	0.	0.	0.013	0.005	0.005	0.02	0.03
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	04/15/69-07/12/82	16	4.5	10.513	66.	0.5	257.346	16.042	0.99	2.525	13.3	35.9
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/11/73-09/08/82	22	3.8	5.386	20.	0.9	26.155	5.114	1.06	2.025	7.25	15.8
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/18/62-02/11/86	45	4.	4.756	9.	2.	2.416	1.554	3.	4.	6.	7.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/18/62-02/11/86	45	0.	0.622	6.	0.	1.831	1.353	0.	0.	0.5	3.
00915p CALCIUM, DISSOLVED (MG/L AS CA)	10/18/62-05/11/93	64	1.	1.178	3.	0.7	0.223	0.472	0.8	0.9	1.3	1.85
00925p MAGNESIUM, DISSOLVED (MG/L AS MG)	10/18/62-05/11/93	64	0.3	0.353	1.1	0.1	0.019	0.138	0.2	0.3	0.4	0.5
00930p SODIUM, DISSOLVED (MG/L AS NA)	10/18/62-05/11/93	64	1.1	1.086	2.	0.4	0.088	0.296	0.8	0.925	1.2	1.45
00931 SODIUM ADSORPTION RATIO	11/01/67-02/11/86	41	0.2	0.232	0.4	0.1	0.006	0.076	0.1	0.2	0.3	0.3
00932 SODIUM, PERCENT	11/01/67-02/11/86	41	32.	30.805	47.	8.	85.561	9.25	15.6	25.5	36.5	42.
00935p POTASSIUM, DISSOLVED (MG/L AS K)	10/18/62-05/11/93	64	0.5	0.579	1.1	0.2	0.029	0.17	0.4	0.5	0.7	0.8
00940p CHLORIDE,TOTAL IN WATER MG/L	10/18/62-05/11/93	63	0.6	0.656	2.	0.05	0.118	0.343	0.34	0.5	0.8	1.
00945p SULFATE, TOTAL (MG/L AS SO4)	10/18/62-05/11/93	65	1.	1.635	5.	0.	1.118	1.057	0.5	0.9	2.	3.
00950p FLUORIDE, DISSOLVED (MG/L AS F)	10/18/62-05/11/93	65##	0.05	0.077	1.3	0.	0.026	0.161	0.	0.05	0.075	0.1
00955p SILICA, DISSOLVED (MG/L AS SIO2)	10/18/62-05/11/93	64	7.2	6.959	9.5	1.	1.971	1.404	5.1	6.5	7.7	8.55
01000 ARSENIC, DISSOLVED (UG/L AS AS)	10/11/73-08/20/91	26##	0.5	1.942	11.	0.	10.667	3.266	0.	0.5	1.	8.9
01005 BARIUM, DISSOLVED (UG/L AS BA)	10/22/79-05/11/93	23	9.	9.522	40.	5.	48.534	6.967	6.	6.	10.	12.
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)	10/22/79-08/20/91	19##	0.25	0.353	0.7	0.25	0.03	0.174	0.25	0.25	0.5	0.7
01025 CADMIUM, DISSOLVED (UG/L AS CD)	10/11/73-08/20/91	26##	0.5	1.058	4.	0.	1.147	1.071	0.35	0.5	1.25	3.
01026 CADMIUM, SUSPENDED (UG/L AS CD)	10/11/73-01/20/82	11	0.	1.818	10.	0.	16.364	4.045	0.	0.	0.	10.
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	12/12/68-08/20/91	35##	0.5	1.471	13.	0.	8.779	2.963	0.	0.	1.	5.1
01031 CHROMIUM, SUSPEND (UG/L AS CR)	10/11/73-01/20/82	20	4.75	5.525	20.	0.	27.144	5.21	0.	0.5	9.	10.9
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/01/67-09/08/82	22##	10.	7.636	30.	0.	54.242	7.365	0.	0.	10.	17.
01035 COBALT, DISSOLVED (UG/L AS CO)	10/11/73-05/11/93	30##	1.5	1.483	9.	0.	2.336	1.528	0.	1.5	1.5	1.5

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Seasonal Analysis for Season #1: 10/01 to 3/31 - Station GRSM0184

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01040 COPPER, DISSOLVED (UG/L AS CU)	11/01/67-08/20/91	38##	1.	1.803	5.	0.	3.778	1.944	0.	0.	4.	5.
01041 COPPER, SUSPENDED (UG/L AS CU)	10/11/73-03/21/80	17	1.	3.471	17.	0.	26.39	5.137	0.	0.	6.5	12.2
01042 COPPER, TOTAL (UG/L AS CU)	10/11/73-09/08/82	20	2.	3.9	17.	0.	21.989	4.689	0.	0.25	5.	10.9
01045 IRON, TOTAL (UG/L AS FE)	08/07/68-09/08/82	20	130.	207.851	610.	0.02	37181.486	192.825	19.3	70.	330.	587.
01046p IRON, DISSOLVED (UG/L AS FE)	11/01/67-05/11/93	45	11.	24.622	200.	0.	1335.365	36.543	3.6	7.	23.5	79.
01049 LEAD, DISSOLVED (UG/L AS PB)	11/01/67-08/20/91	38	2.	3.895	27.	0.	45.502	6.746	0.	0.	5.	8.8
01050 LEAD, SUSPENDED (UG/L AS PB)	10/11/73-02/09/81	18	6.	16.111	100.	0.	675.516	25.991	0.	0.	23.	55.
01051 LEAD, TOTAL (UG/L AS PB)	10/11/73-09/08/82	20	6.	18.35	100.	0.	600.871	24.513	0.	2.25	32.5	46.9
01054 MANGANESE, SUSPENDED (UG/L AS MN)	10/11/73-10/15/80	10	0.	6.1	30.	0.	95.656	9.78	0.	0.	10.75	28.3
01055 MANGANESE, TOTAL (UG/L AS MN)	02/01/68-09/08/82	18	5.	7.556	30.	0.	47.673	6.905	0.	5.	10.	14.7
01056 MANGANESE, DISSOLVED (UG/L AS MN)	08/21/69-05/11/93	32##	1.	2.531	25.	0.	19.709	4.439	0.5	0.5	2.75	5.
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/22/79-05/11/93	23##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065p NICKEL, DISSOLVED (UG/L AS NI)	11/01/67-05/11/93	22##	0.5	1.318	5.	0.	2.108	1.452	0.	0.5	2.	4.
01075 SILVER, DISSOLVED (UG/L AS AG)	10/22/79-05/11/93	23##	0.5	0.435	1.	0.	0.052	0.229	0.	0.5	0.5	0.5
01080p STRONTIUM, DISSOLVED (UG/L AS SR)	02/01/68-05/11/93	25	8.	7.32	11.	0.	5.977	2.445	3.6	7.	8.5	9.
01085 VANADIUM, DISSOLVED (UG/L AS V)	10/22/79-05/11/93	23##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090 ZINC, DISSOLVED (UG/L AS ZN)	11/01/67-08/20/91	37##	2.	4.609	40.	0.	54.844	7.406	0.	0.	5.5	10.2
01091 ZINC, SUSPENDED (UG/L ZN)	10/11/73-03/21/80	16	10.	11.625	30.	0.	138.25	11.758	0.	0.	20.	30.
01092 ZINC, TOTAL (UG/L AS ZN)	10/11/73-09/08/82	19	20.	17.789	50.	0.	184.398	13.579	0.	10.	30.	40.
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	08/21/69-05/11/93	19	20.	25.526	80.	5.	555.263	23.564	5.	5.	50.	60.
01130p LITHIUM, DISSOLVED (UG/L AS LI)	11/01/67-05/11/93	26##	2.	2.577	15.	0.	8.174	2.859	0.	2.	2.	6.
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/22/79-05/11/93	23##	0.5	0.413	0.5	0.	0.038	0.194	0.	0.5	0.5	0.5
03515p BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/03/67-03/30/93	14	0.9	0.914	1.6	0.2	0.126	0.355	0.4	0.675	1.125	1.5
03516p BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/03/67-03/30/93	14##	0.2	0.364	1.	0.2	0.079	0.282	0.2	0.2	0.4	0.95
09511p RADIUM 226, DISSOLVED, RADON METHOD	10/03/67-03/30/93	13	0.04	0.037	0.07	0.01	0.	0.019	0.01	0.02	0.053	0.066
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	07/14/69-10/15/80	18	5.	21.5	82.	0.	704.5	26.542	0.9	1.75	46.75	64.9
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED.	07/14/69-10/15/80	18	0.661	0.864	1.914	0.	0.524	0.724	0.	0.226	1.67	1.811
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3		GEOMETRIC MEAN =		7.31								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/07/71-07/12/78	27##	5.	9.13	100.	0.5	334.069	18.278	5.	5.	5.	10.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/07/71-07/12/78	27##	0.699	0.758	2.	-0.301	0.114	0.338	0.699	0.699	0.699	1.
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		5.723								
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/19/76-05/11/93	37	2.	5.676	110.	0.5	325.864	18.052	0.5	0.5	3.5	7.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/19/76-05/11/93	37	0.301	0.247	2.041	-0.301	0.288	0.536	-0.301	-0.301	0.54	0.831
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		1.767								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/05/74-05/11/93	36	305.	458.986	2000.	0.5	224560.064	473.878	4.4	28.	740.	1130.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/05/74-05/11/93	36	2.484	2.135	3.301	-0.301	0.963	0.981	0.632	1.441	2.869	3.053
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		136.598								
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/17/70-05/29/79	23	0.	0.01	0.12	0.	0.001	0.027	0.	0.	0.	0.042
70300p RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/18/62-05/11/93	62	17.	17.806	42.	5.	40.159	6.337	11.	15.	20.	26.
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/01/67-02/11/86	39	16.	16.231	21.	12.	6.972	2.64	13.	14.	18.	20.
70302 SOLIDS, DISSOLVED-TONS PER DAY	11/01/67-01/03/83	40	4.62	13.195	67.9	1.19	370.692	19.253	1.763	2.633	12.618	59.52
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/01/67-01/03/83	40	0.02	0.026	0.06	0.01	0.	0.01	0.02	0.02	0.03	0.04
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	56	57.	58.5	100.	0.	824.727	28.718	17.	45.5	76.5	100.
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/07/73-11/17/92	24	0.01	0.017	0.1	0.005	0.	0.022	0.005	0.005	0.02	0.045
71846 NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/07/73-02/11/86	26	0.01	0.025	0.12	0.	0.001	0.031	0.	0.	0.05	0.066
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/18/62-08/02/71	10	0.4	0.44	0.9	0.1	0.043	0.207	0.12	0.375	0.525	0.87
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	01/26/78-11/18/85	16	0.045	0.045	0.12	0.	0.001	0.036	0.	0.008	0.06	0.099
71887 NITROGEN, TOTAL, AS NO3 - MG/L	10/11/73-09/08/82	23	1.6	2.178	7.6	0.5	2.936	1.714	0.7	1.1	3.2	4.84
71890 MERCURY, DISSOLVED (UG/L AS HG)	10/11/73-08/20/91	25##	0.05	0.124	0.3	0.05	0.01	0.098	0.05	0.05	0.25	0.25
71895 MERCURY, SUSPENDED (UG/L AS HG)	10/11/73-03/21/80	9	0.	0.056	0.3	0.	0.01	0.101	0.	0.	0.1	0.3
80030p ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/03/67-03/30/93	14##	0.25	0.45	2.1	0.2	0.257	0.506	0.2	0.2	0.6	1.4
80040p ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/03/67-03/30/93	14##	0.2	0.271	0.9	0.2	0.035	0.186	0.2	0.2	0.3	0.6
80050p BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/03/67-03/30/93	14	0.85	0.836	1.3	0.2	0.089	0.298	0.35	0.675	1.1	1.25
80060p BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/03/67-03/30/93	14##	0.2	0.357	1.	0.2	0.075	0.274	0.2	0.2	0.375	0.95
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	84	2.	13.869	383.	0.	2426.645	49.261	0.5	1.25	5.	22.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/11/73-09/08/82	57	0.75	54.167	1670.	0.	58944.426	242.785	0.07	0.275	2.4	87.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0184

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/03/67-05/11/93	105	14.	13.748	19.	6.	8.976	2.996	8.92	12.	16.	17.
00060 FLOW, STREAM, MEAN DAILY CFS	10/18/62-06/28/73	33	74.	121.667	1080.	29.	32848.979	181.243	40.4	55.5	114.	177.6
00061 FLOW, STREAM, INSTANTANEOUS CFS	09/04/73-05/11/93	105	75.	115.019	1550.	26.	26790.788	163.679	37.2	47.	127.5	200.2
00065 STAGE, STREAM (FEET)	05/12/86-05/11/93	15	2.43	2.499	3.37	2.07	0.115	0.34	2.112	2.25	2.74	3.034
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/02/82-05/11/93	21	0.8	1.943	17.	0.2	13.579	3.685	0.32	0.5	1.25	5.4
00080 COLOR (PLATINUM-COBALT UNITS)	10/18/62-05/29/79	29	6.	7.966	25.	0.	44.177	6.647	0.	3.5	10.	20.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/18/62-05/11/93	96	16.	16.542	35.	6.	22.188	4.71	13.	14.	17.	23.6
00300p OXYGEN, DISSOLVED MG/L	03/05/68-05/11/93	97	9.5	9.689	14.8	6.3	1.758	1.326	8.	9.	10.15	11.28
00310 BOD, 5 DAY, 20 DEG C MG/L	11/01/67-07/12/78	43	0.7	0.751	2.6	0.1	0.216	0.465	0.24	0.4	1.	1.2
00400p PH (STANDARD UNITS)	10/18/62-05/11/93	112	6.8	6.769	9.	5.4	0.35	0.592	6.03	6.3	7.16	7.47
00400p CONVERTED PH (STANDARD UNITS)	10/18/62-05/11/93	112	6.8	6.404	9.	5.4	0.485	0.696	6.03	6.3	7.16	7.47
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/18/62-05/11/93	112	0.158	0.395	3.981	0.001	0.438	0.662	0.034	0.069	0.501	0.938
00403 PH, LAB, STANDARD UNITS SU	10/15/80-05/11/93	28	7.3	7.311	8.4	6.5	0.238	0.488	6.7	6.9	7.675	8.01
00403 CONVERTED PH, LAB, STANDARD UNITS	10/15/80-05/11/93	28	7.3	7.092	8.4	6.5	0.288	0.537	6.7	6.9	7.675	8.01
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/15/80-05/11/93	28	0.05	0.081	0.316	0.004	0.006	0.077	0.01	0.021	0.126	0.2
00405 CARBON DIOXIDE (MG/L AS CO2)	10/03/72-01/03/83	28	1.25	5.218	51.	0.2	109.259	10.453	0.2	0.8	4.3	19.1
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	11/01/67-11/17/92	91	5.	5.341	11.	0.	2.96	1.721	4.	5.	6.	7.
00440p BICARBONATE ION (MG/L AS HCO3)	10/18/62-12/07/88	50	6.	6.42	11.	2.	2.738	1.655	5.	6.	7.	8.
00445 CARBONATE ION (MG/L AS CO3)	11/01/67-01/03/83	30	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00600 NITROGEN, TOTAL (MG/L AS N)	10/11/73-09/08/82	19	0.32	0.344	0.67	0.06	0.027	0.165	0.14	0.24	0.45	0.6
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)	11/07/73-02/11/86	18	0.12	0.182	0.46	0.	0.02	0.141	0.018	0.068	0.303	0.406
00607 NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	11/07/73-09/08/82	18	0.105	0.172	0.57	0.	0.029	0.17	0.	0.035	0.273	0.453
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	11/07/73-05/11/93	41	0.02	0.022	0.1	0.	0.001	0.022	0.005	0.005	0.03	0.06
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/07/73-11/17/92	34##	0.008	0.016	0.1	0.005	0.	0.019	0.005	0.005	0.02	0.035
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	11/18/85-05/11/93	15##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.007
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/17/73-11/17/92	16##	0.005	0.006	0.01	0.004	0.	0.002	0.005	0.005	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/72-05/29/79	12	0.14	0.121	0.17	0.02	0.002	0.044	0.032	0.095	0.148	0.167
00623 NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	10/11/73-08/20/91	19	0.13	0.201	0.6	0.01	0.032	0.178	0.02	0.05	0.3	0.54
00624 NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	12/26/73-09/08/82	17	0.02	0.032	0.15	0.	0.002	0.044	0.	0.	0.04	0.118
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/11/73-05/11/93	41	0.15	0.246	1.9	0.03	0.094	0.307	0.052	0.1	0.3	0.484
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/11/73-11/17/92	26	0.16	0.157	0.21	0.06	0.001	0.036	0.104	0.14	0.18	0.2
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	10/11/73-05/11/93	43	0.2	0.16	0.2	0.05	0.003	0.054	0.094	0.1	0.2	0.2
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	02/01/68-11/02/82	16	0.03	0.043	0.21	0.	0.004	0.061	0.	0.005	0.03	0.189
00665 PHOSPHORUS, TOTAL (MG/L AS P)	02/09/70-05/11/93	46	0.02	0.024	0.13	0.	0.001	0.028	0.005	0.01	0.02	0.059
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	10/11/73-05/11/93	41	0.01	0.014	0.05	0.005	0.	0.01	0.005	0.01	0.02	0.028
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	11/07/73-05/11/93	36	0.01	0.013	0.07	0.005	0.	0.016	0.005	0.005	0.01	0.032
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	04/15/69-07/12/82	16	4.55	8.088	37.	0.5	107.968	10.391	1.34	1.75	6.925	30.7
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)	10/11/73-09/08/82	15	3.1	5.48	28.	1.5	48.22	6.944	1.5	1.6	5.	19.
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/18/62-02/11/86	38	4.	4.868	12.	2.	6.171	2.484	2.	4.	5.	10.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/18/62-02/11/86	38	0.	0.842	7.	0.	3.434	1.853	0.	0.	1.	4.2
00915p CALCIUM, DISSOLVED (MG/L AS CA)	10/18/62-05/11/93	59	1.1	1.202	3.6	0.2	0.401	0.633	0.6	1.	1.2	1.8
00925p MAGNESIUM, DISSOLVED (MG/L AS MG)	10/18/62-05/11/93	59	0.3	0.381	1.1	0.1	0.037	0.193	0.2	0.3	0.4	0.6
00930p SODIUM, DISSOLVED (MG/L AS NA)	10/18/62-05/11/93	59	1.2	1.181	2.	0.5	0.061	0.246	0.9	1.1	1.3	1.5
00931 SODIUM ADSORPTION RATIO	11/01/67-02/11/86	31	0.2	0.248	0.4	0.1	0.008	0.089	0.1	0.2	0.3	0.4
00932 SODIUM, PERCENT	11/01/67-02/11/86	31	35.	33.484	54.	9.	114.258	10.689	17.2	29.	38.	47.8
00935p POTASSIUM, DISSOLVED (MG/L AS K)	10/18/62-05/11/93	59	0.6	0.603	1.3	0.2	0.031	0.176	0.4	0.5	0.7	0.8
00940p CHLORIDE,TOTAL IN WATER MG/L	10/18/62-05/11/93	59	0.6	0.722	2.	0.	0.135	0.368	0.4	0.5	0.9	1.
00945p SULFATE, TOTAL (MG/L AS SO4)	10/18/62-05/11/93	59	1.	1.463	4.	0.4	0.844	0.919	0.5	0.9	2.	3.
00950p FLUORIDE, DISSOLVED (MG/L AS F)	10/18/62-05/11/93	58	0.05	0.066	0.3	0.	0.002	0.05	0.	0.05	0.1	0.1
00955p SILICA, DISSOLVED (MG/L AS SIO2)	10/18/62-05/11/93	59	7.9	7.747	10.	1.1	1.645	1.282	6.7	7.4	8.4	9.1
01000 ARSENIC, DISSOLVED (UG/L AS AS)	10/11/73-08/20/91	20##	0.5	0.575	1.	0.	0.06	0.245	0.5	0.5	0.5	1.
01005 BARIUM, DISSOLVED (UG/L AS BA)	10/22/79-05/11/93	20	8.	8.9	24.	1.	17.884	4.229	6.1	7.	10.	11.
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)	10/22/79-08/20/91	17##	0.25	0.279	0.5	0.25	0.007	0.083	0.25	0.25	0.25	0.5
01025 CADMIUM, DISSOLVED (UG/L AS CD)	10/11/73-08/20/91	20##	0.5	0.675	3.	0.	0.349	0.591	0.5	0.5	0.5	1.
01026 CADMIUM, SUSPENDED (UG/L AS CD)	10/11/73-01/20/82	4	0.	0.	0.	0.	0.	0.	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	12/12/68-08/20/91	28##	0.5	0.464	2.	0.	0.276	0.526	0.	0.	0.5	1.1
01031 CHROMIUM, SUSPEND (UG/L AS CR)	10/11/73-01/20/82	11	9.	10.364	20.	0.	67.455	8.213	0.	5.	20.	20.
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/01/67-09/08/82	13##	10.	11.154	20.	0.	50.641	7.116	0.	7.5	20.	20.
01035 COBALT, DISSOLVED (UG/L AS CO)	10/11/73-05/11/93	23##	1.5	1.435	2.	0.	0.121	0.347	1.2	1.5	1.5	1.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

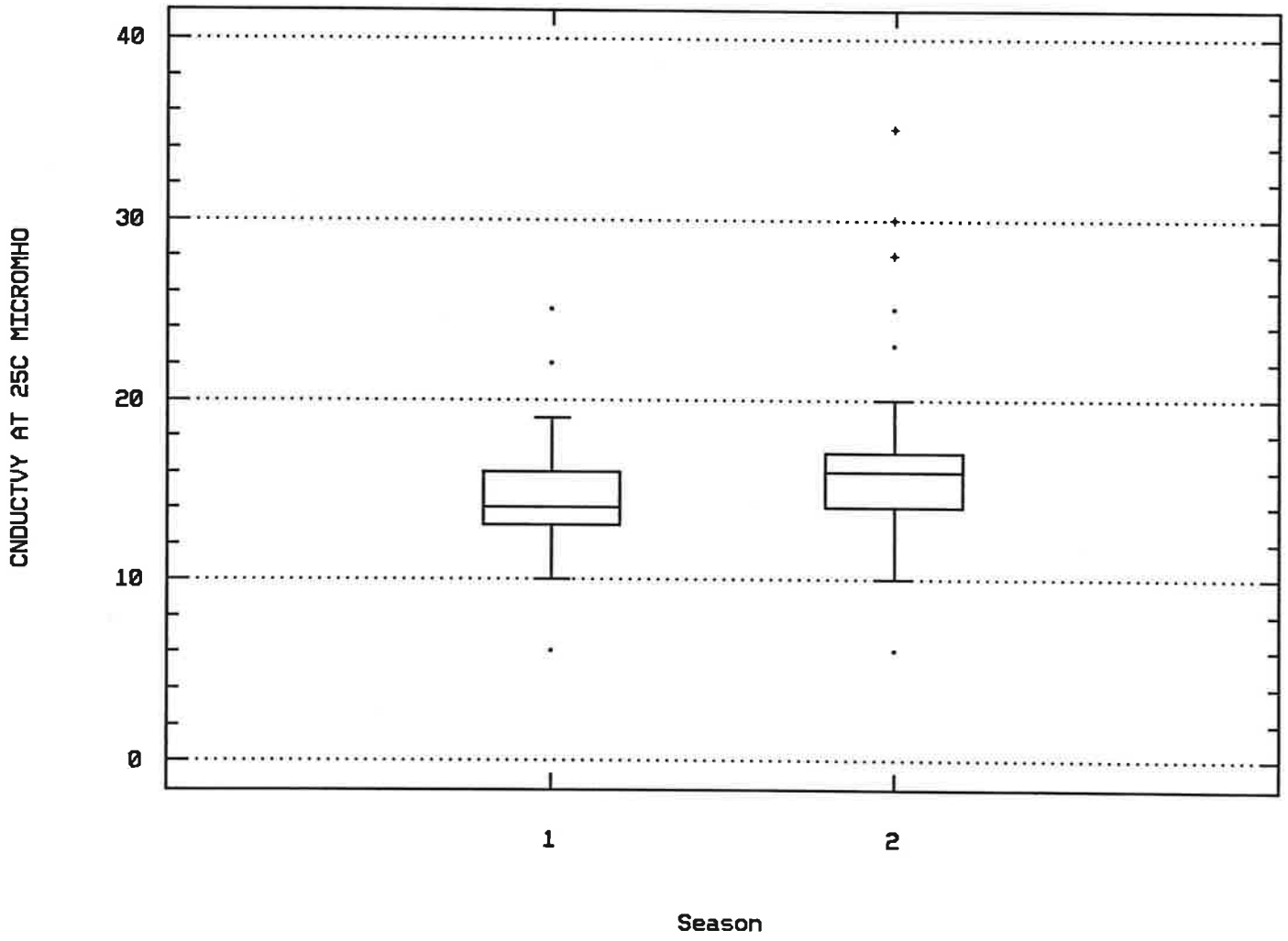
Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0184

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01040 COPPER, DISSOLVED (UG/L AS CU)	11/01/67-08/20/91	29	1.	1.655	6.	0.	3.555	1.886	0.	0.	2.	5.
01041 COPPER, SUSPENDED (UG/L AS CU)	10/11/73-03/21/80	12	3.5	5.167	23.	0.	42.697	6.534	0.	0.25	6.75	19.4
01042 COPPER, TOTAL (UG/L AS CU)	10/11/73-09/08/82	14	5.	5.786	23.	0.	35.72	5.977	0.5	1.	7.75	17.
01045 IRON, TOTAL (UG/L AS FE)	08/07/68-09/08/82	16	70.	66.688	110.	17.	1002.229	31.658	19.1	40.	100.	103.
01046p IRON, DISSOLVED (UG/L AS FE)	11/01/67-05/11/93	37	16.	15.676	30.	5.	72.392	8.508	5.	8.	21.	30.
01049 LEAD, DISSOLVED (UG/L AS PB)	11/01/67-08/20/91	28##	2.	2.161	6.	0.	3.297	1.816	0.	0.5	2.875	5.1
01050 LEAD, SUSPENDED (UG/L AS PB)	10/11/73-02/09/81	12	3.5	17.583	88.	0.	742.265	27.245	0.	2.	27.	77.2
01051 LEAD, TOTAL (UG/L AS PB)	10/11/73-09/08/82	14	5.	17.643	88.	1.	669.016	25.865	2.	3.75	29.25	73.
01054 MANGANESE, SUSPENDED (UG/L AS MN)	10/11/73-10/15/80	3	0.	0.	0.	0.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	02/01/68-09/08/82	10##	5.	7.2	20.	0.	43.956	6.63	0.	3.75	11.75	19.7
01056 MANGANESE, DISSOLVED (UG/L AS MN)	08/21/69-05/11/93	24	1.	3.125	17.	0.5	22.484	4.742	0.5	0.625	2.	13.5
01060 MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/22/79-05/11/93	20##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065p NICKEL, DISSOLVED (UG/L AS NI)	11/01/67-05/11/93	18##	0.5	1.111	6.	0.5	1.81	1.346	0.5	0.5	1.25	2.4
01075 SILVER, DISSOLVED (UG/L AS AG)	10/22/79-05/11/93	20##	0.5	0.5	1.	0.	0.026	0.162	0.5	0.5	0.5	0.5
01080p STRONTIUM, DISSOLVED (UG/L AS SR)	02/01/68-05/11/93	22	9.5	12.591	60.	8.	132.253	11.5	8.	9.	10.	24.3
01085 VANADIUM, DISSOLVED (UG/L AS V)	10/22/79-05/11/93	20##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090 ZINC, DISSOLVED (UG/L AS ZN)	11/01/67-08/20/91	29##	3.	3.948	14.	0.	14.72	3.837	0.	1.5	6.	10.
01091 ZINC, SUSPENDED (UG/L ZN)	10/11/73-03/21/80	12	10.	14.167	40.	0.	190.152	13.79	0.	0.	27.5	37.
01092 ZINC, TOTAL (UG/L AS ZN)	10/11/73-09/08/82	14	20.	17.357	40.	0.	168.555	12.983	0.	8.25	22.5	40.
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	08/21/69-05/11/93	19	20.	21.842	100.	5.	453.363	21.292	5.	5.	20.	40.
01130p LITHIUM, DISSOLVED (UG/L AS LI)	11/01/67-05/11/93	20##	2.	2.85	8.	2.	2.766	1.663	2.	2.	3.5	5.
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/22/79-05/11/93	20##	0.5	0.475	0.5	0.	0.013	0.112	0.5	0.5	0.5	0.5
03515p BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/03/67-03/30/93	12	0.8	1.025	3.4	0.2	0.693	0.832	0.29	0.525	1.15	2.86
03516p BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/03/67-03/30/93	12##	0.3	1.742	17.	0.2	23.168	4.813	0.2	0.2	0.45	12.26
09511p RADIUM 226, DISSOLVED, RADON METHOD	10/03/67-03/30/93	12	0.04	0.041	0.07	0.02	0.	0.014	0.023	0.03	0.05	0.067
31501 COLIFORM,TOT,MEMBRANE FILTER,1MMED,M-ENDO MED,35C	07/14/69-10/15/80	20	35.5	106.1	900.	3.	40232.516	200.58	5.2	11.	94.5	253.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	07/14/69-10/15/80	20	1.55	1.562	2.954	0.477	0.427	0.653	0.714	1.037	1.975	2.401
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3		GEOMETRIC MEAN =		36.502								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/07/71-07/12/78	40	10.	338.163	12000.	0.5	3594697.774	1895.969	4.1	5.	20.	85.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/07/71-07/12/78	40	1.	1.104	4.079	-0.301	0.533	0.73	0.612	0.699	1.301	1.919
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		12.699								
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	10/19/76-05/11/93	35	8.	28.314	320.	1.	3981.81	63.102	1.6	4.	18.	71.2
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	10/19/76-05/11/93	35	0.903	0.967	2.505	0.	0.369	0.608	0.181	0.602	1.255	1.845
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM		GEOMETRIC MEAN =		9.261								
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/05/74-05/11/93	35	850.	1979.257	13000.	14.	7252821.432	2693.106	48.4	240.	3100.	4740.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/05/74-05/11/93	35	2.929	2.855	4.114	1.146	0.563	0.75	1.671	2.38	3.491	3.676
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		716.499								
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	11/17/70-05/29/79	14	0.	0.023	0.11	0.	0.002	0.042	0.	0.	0.038	0.105
70300p RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/18/62-05/11/93	59	18.	19.746	44.	9.	54.814	7.404	12.	15.	22.	30.
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/01/67-02/11/86	30	16.5	16.833	23.	14.	4.833	2.198	14.	15.	18.	20.
70302 SOLIDS, DISSOLVED-TONS PER DAY	11/01/67-01/03/83	31	3.3	5.131	26.9	1.81	25.78	5.077	2.09	2.48	5.58	10.738
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/01/67-01/03/83	31	0.03	0.029	0.06	0.02	0.	0.011	0.02	0.02	0.03	0.05
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	10/17/77-03/30/93	42	61.	60.024	100.	0.	643.78	25.373	30.	39.5	80.	97.
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/07/73-11/17/92	17	0.01	0.009	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.012
71846 NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	11/07/73-02/11/86	20	0.01	0.022	0.13	0.	0.001	0.033	0.	0.	0.04	0.059
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/18/62-08/02/71	14	0.5	0.586	2.7	0.	0.455	0.675	0.	0.175	0.7	1.85
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	01/26/78-11/18/85	15	0.06	0.122	0.4	0.	0.015	0.124	0.	0.06	0.15	0.382
71887 NITROGEN, TOTAL, AS NO3 - MG/L	10/11/73-09/08/82	19	1.4	1.537	3.	0.3	0.538	0.733	0.6	1.1	2.	2.7
71890 MERCURY, DISSOLVED (UG/L AS HG)	10/11/73-08/20/91	18##	0.05	0.106	0.4	0.05	0.011	0.106	0.05	0.05	0.138	0.265
71895 MERCURY, SUSPENDED (UG/L AS HG)	10/11/73-03/21/80	3	0.1	0.067	0.1	0.	0.003	0.058	**	**	**	**
80030p ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/03/67-03/30/93	12##	0.3	0.388	1.3	0.2	0.11	0.332	0.2	0.2	0.338	1.15
80040p ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/03/67-03/30/93	12##	0.225	2.054	21.	0.2	35.693	5.974	0.2	0.2	0.3	15.09
80050p BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/03/67-03/30/93	12	0.75	0.908	2.9	0.2	0.504	0.71	0.23	0.5	1.05	2.45
80060p BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/03/67-03/30/93	12##	0.3	1.392	13.	0.2	13.415	3.663	0.2	0.2	0.45	9.4
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/11/73-05/11/93	66	3.	8.909	225.	0.	796.945	28.23	1.	2.	6.	9.
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	10/11/73-09/08/82	44	0.575	1.573	17.	0.08	9.12	3.02	0.155	0.31	1.375	3.95

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GRSM0184 Parameter Code: 00095

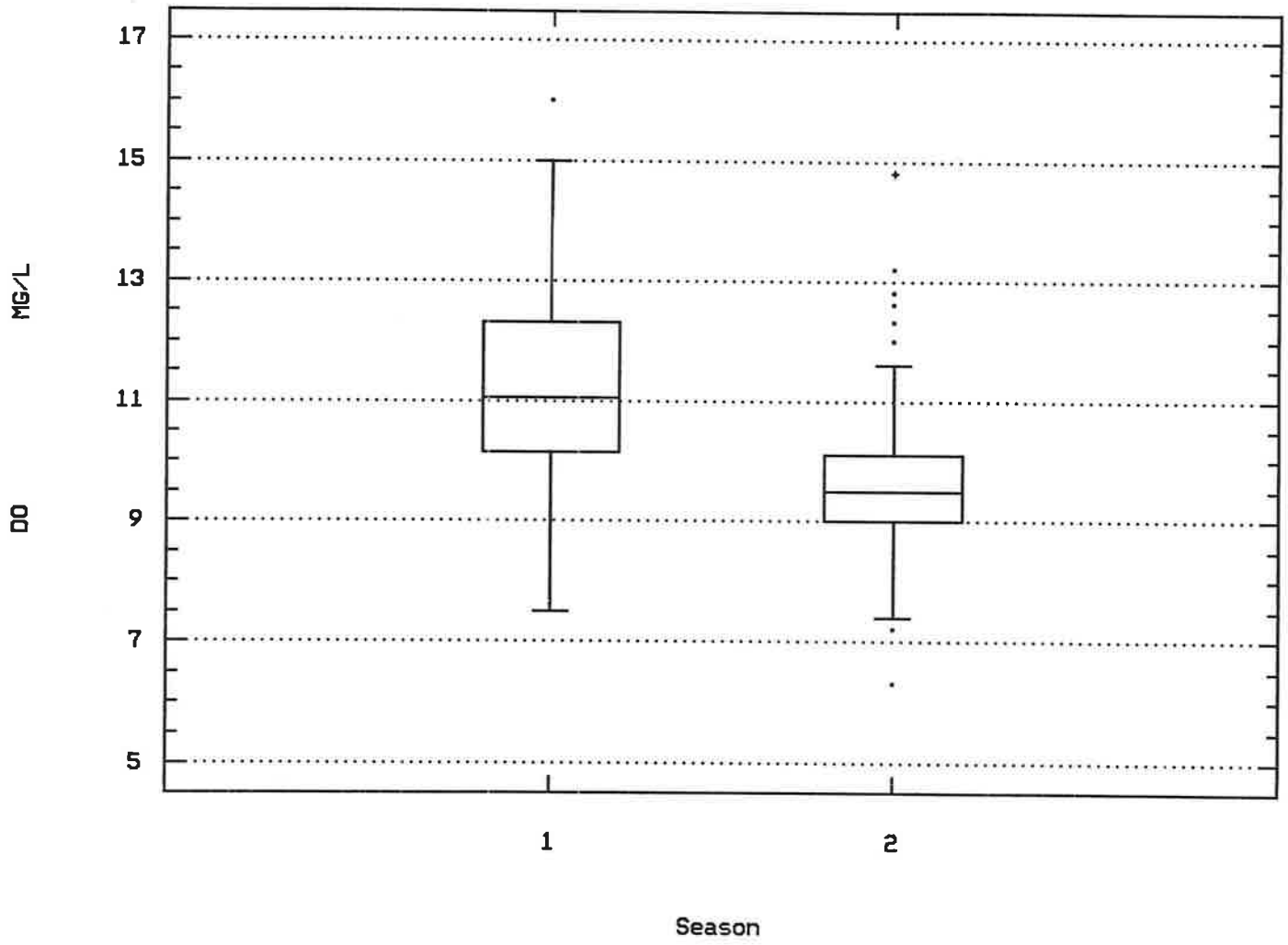
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00300

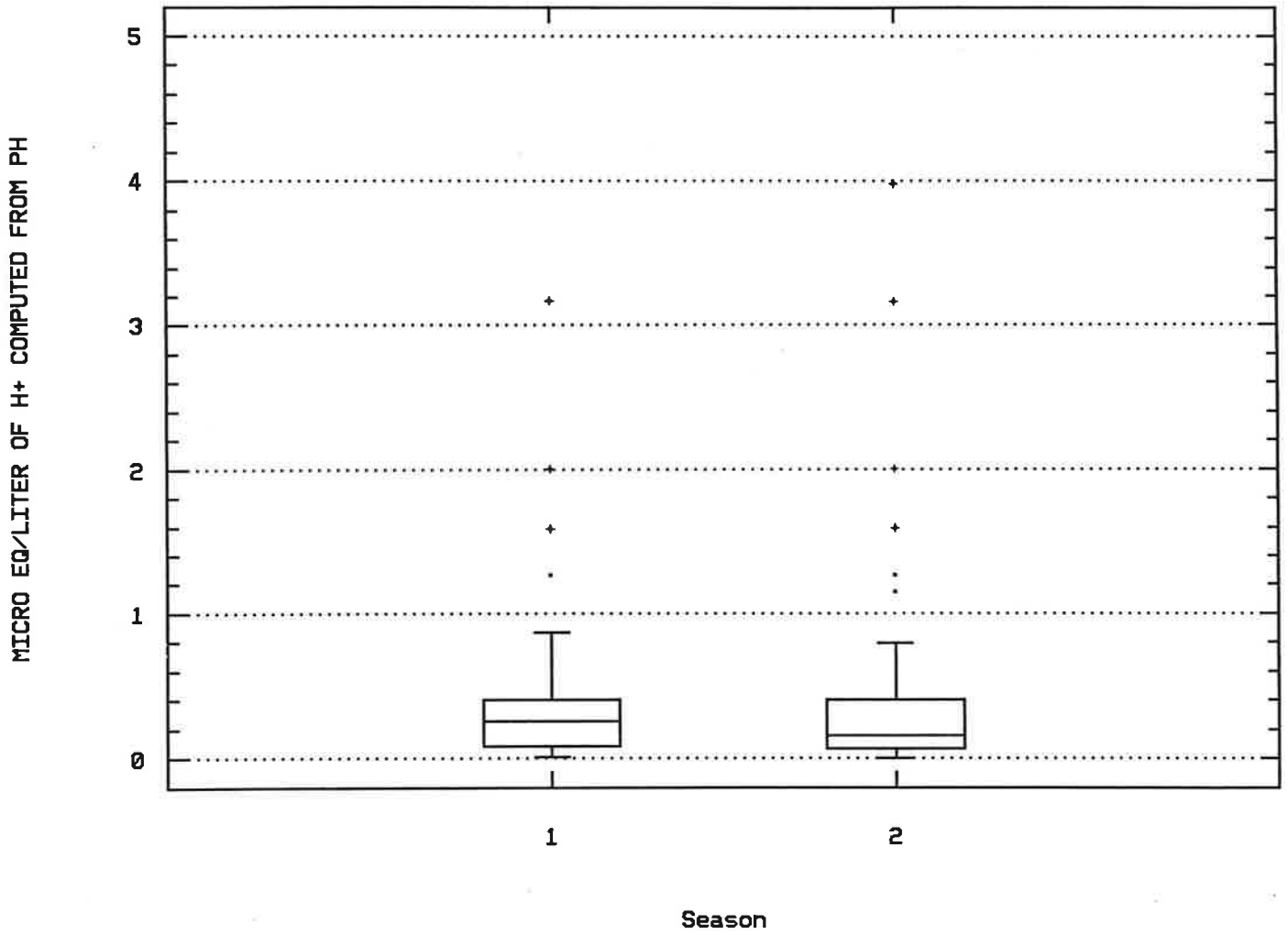
OXYGEN, DISSOLVED



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00400

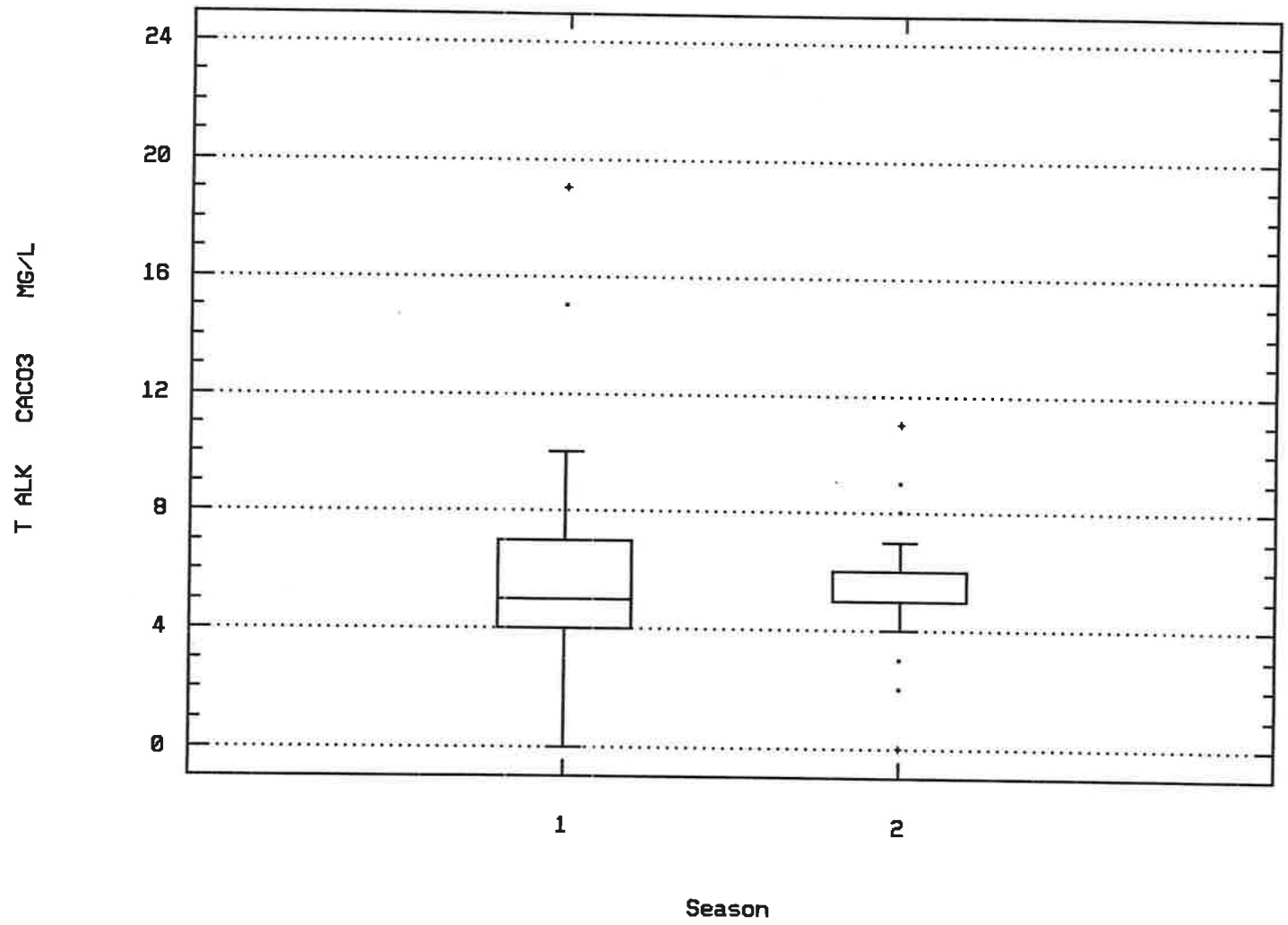
MICRO EQ/LITER OF H+ COMPUTED FROM PH



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00410

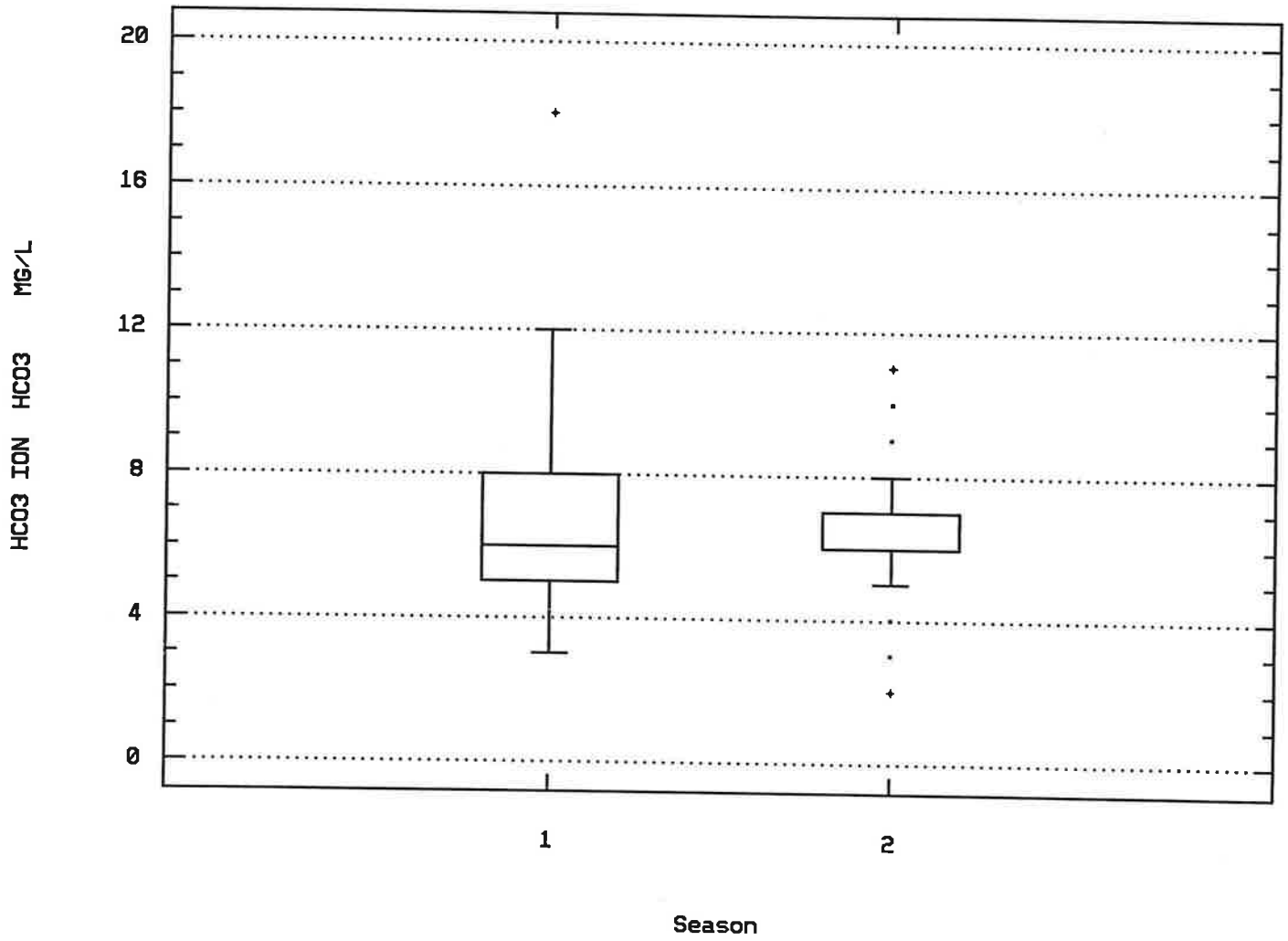
ALKALINITY, TOTAL (MG/L AS CACO3)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00440

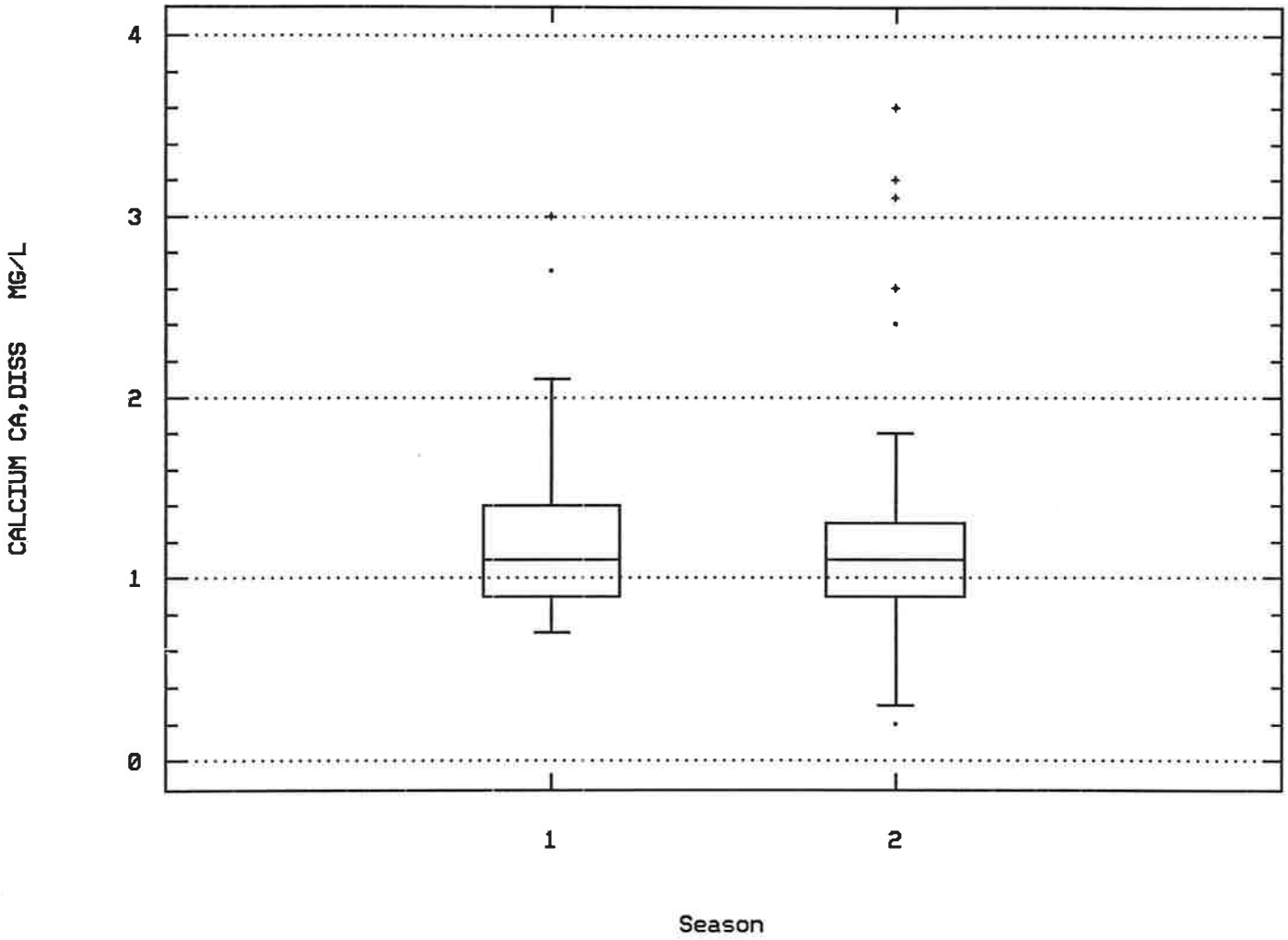
BICARBONATE ION (MG/L AS HCO3)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00915

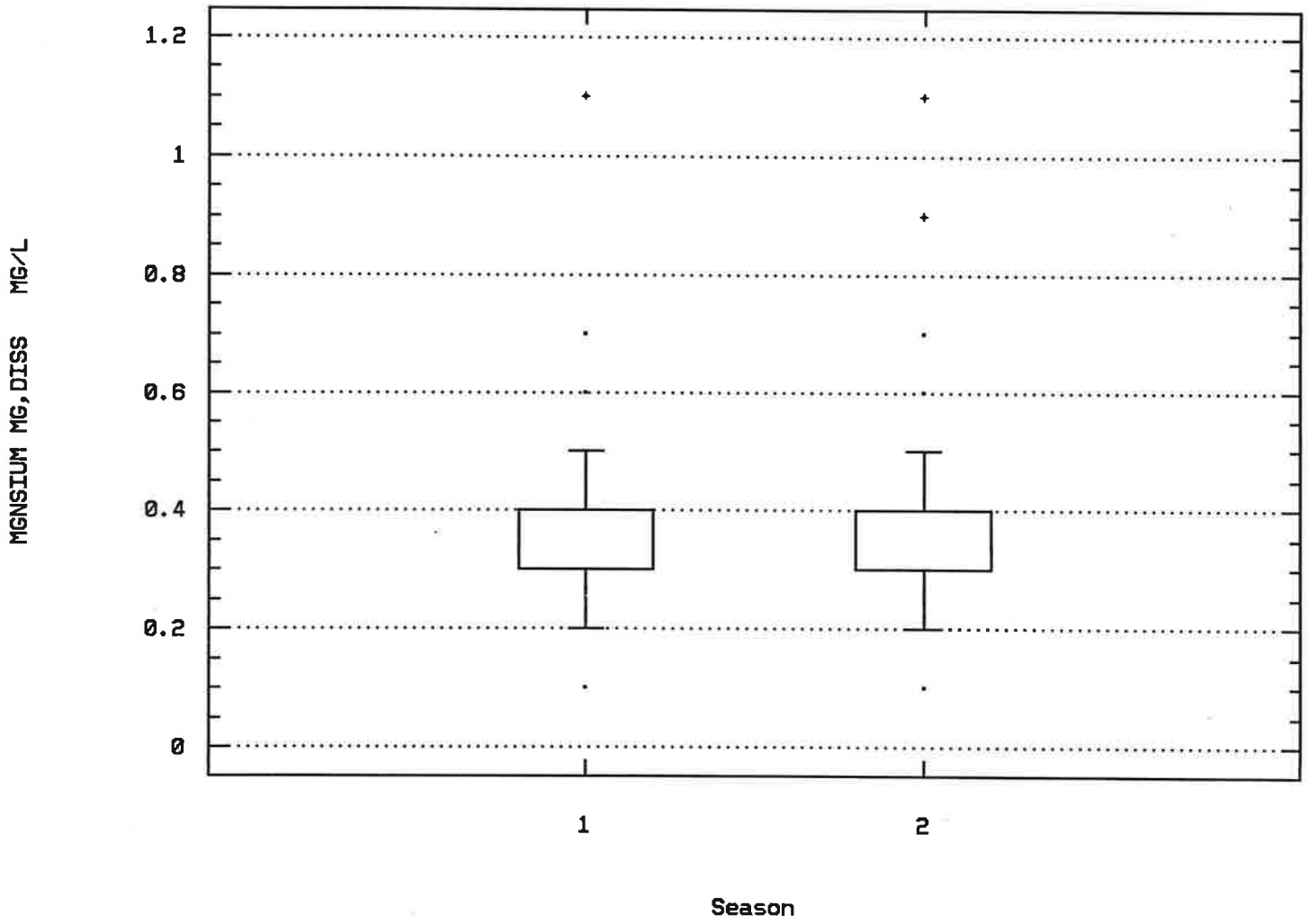
CALCIUM, DISSOLVED (MG/L AS CA)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00925

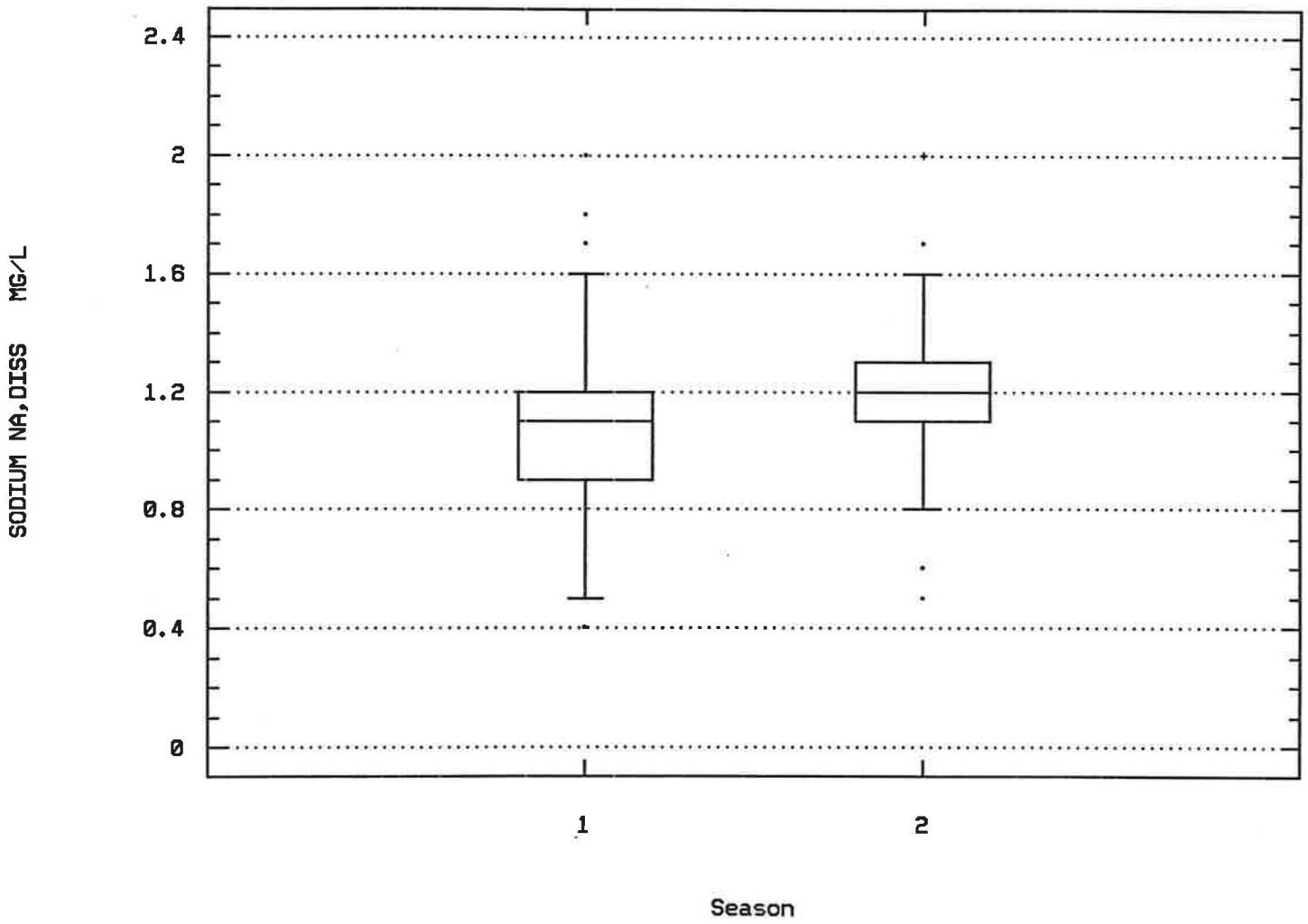
MAGNESIUM, DISSOLVED (MG/L AS MG)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00930

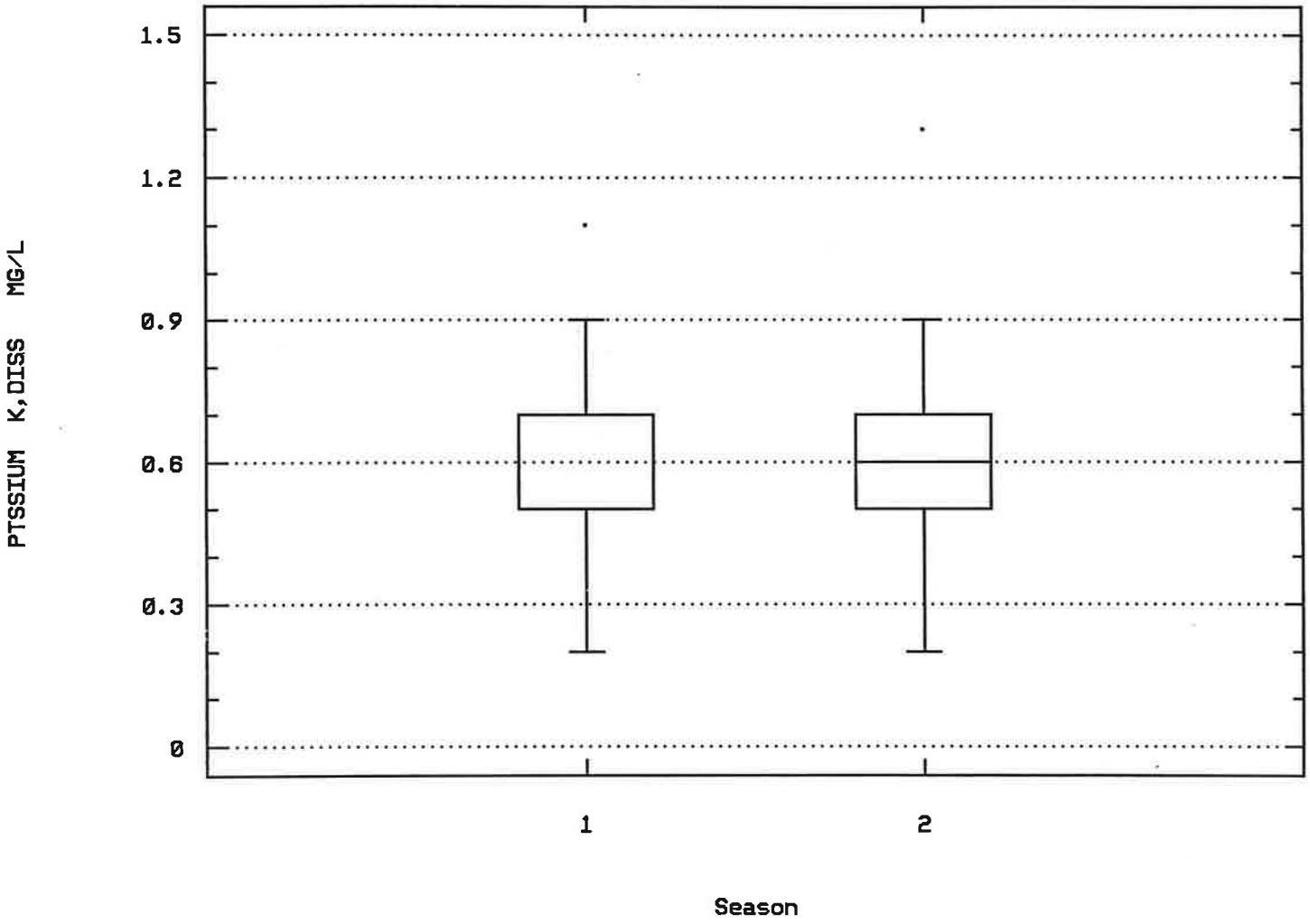
SODIUM, DISSOLVED (MG/L AS NA)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00935

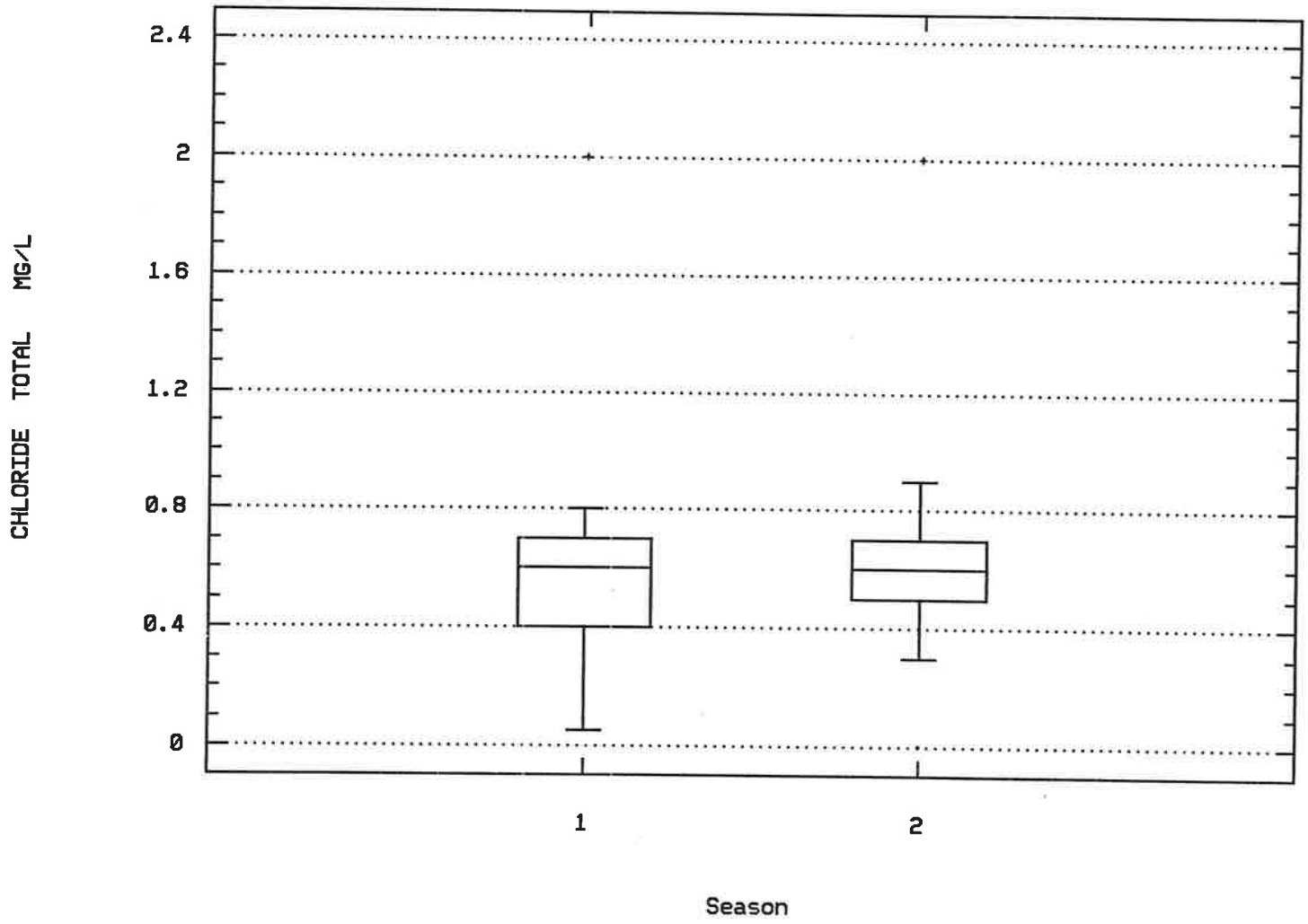
POTASSIUM, DISSOLVED (MG/L AS K)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00940

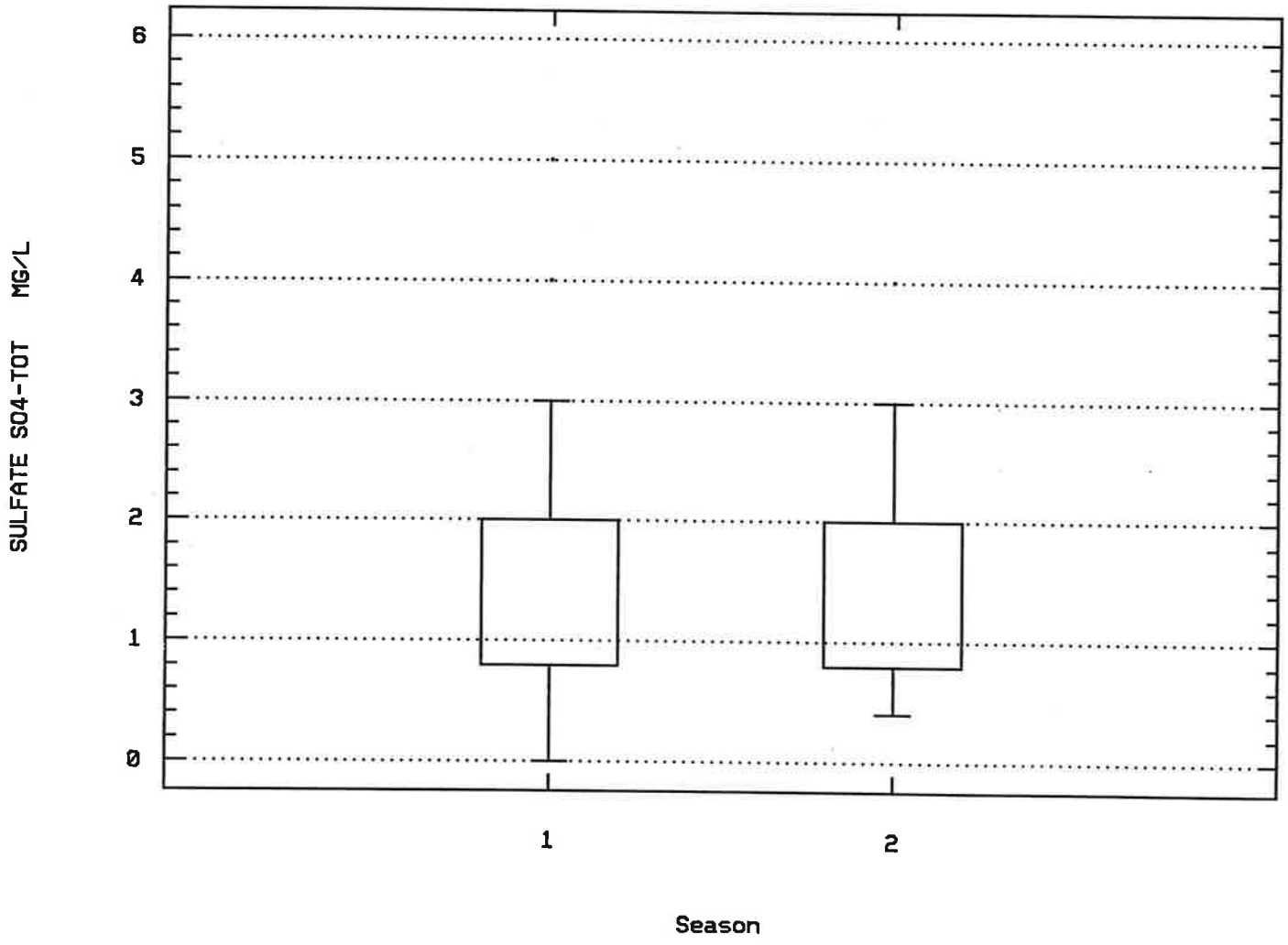
CHLORIDE,TOTAL IN WATER



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00945

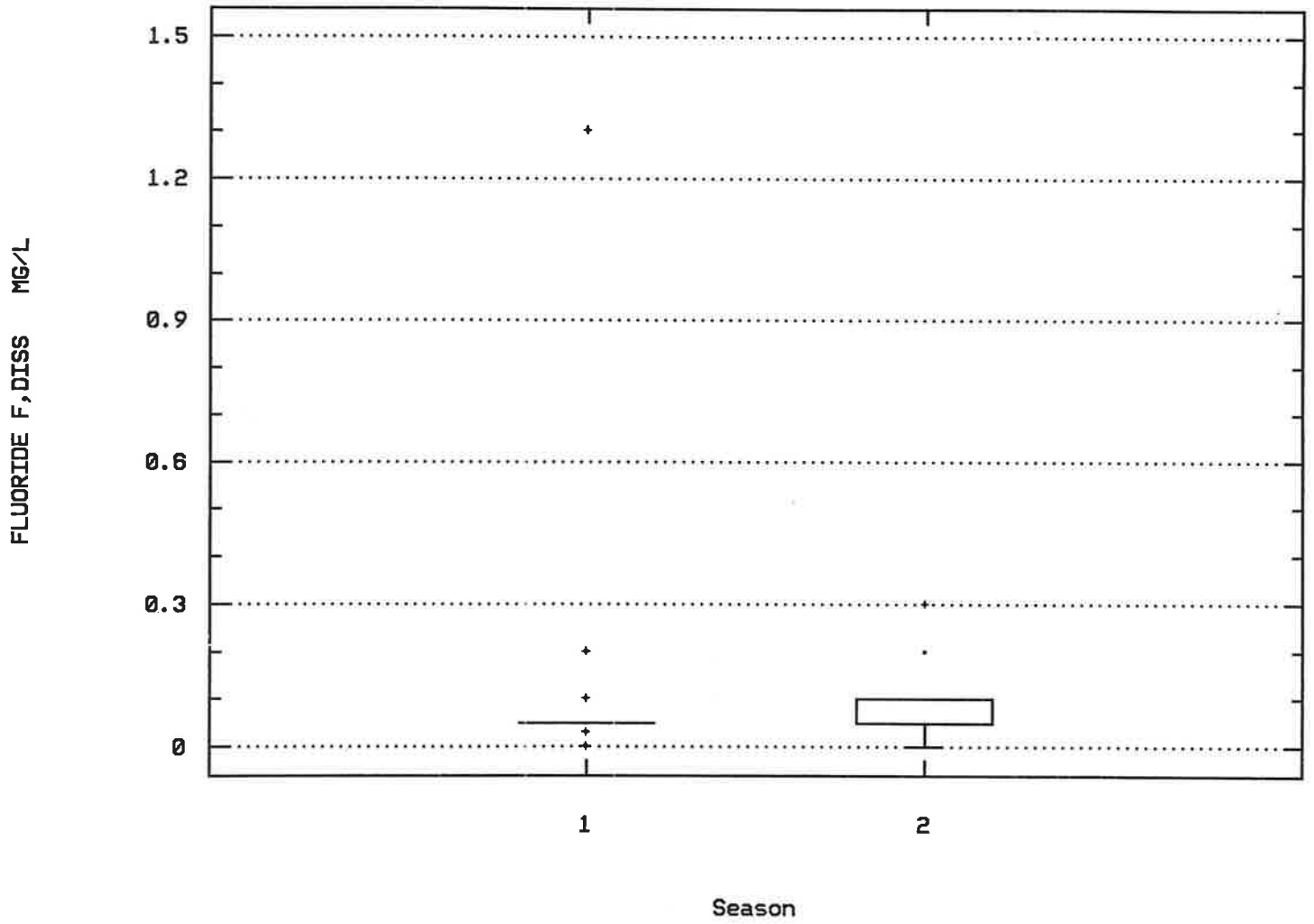
SULFATE, TOTAL (MG/L AS SO4)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00950

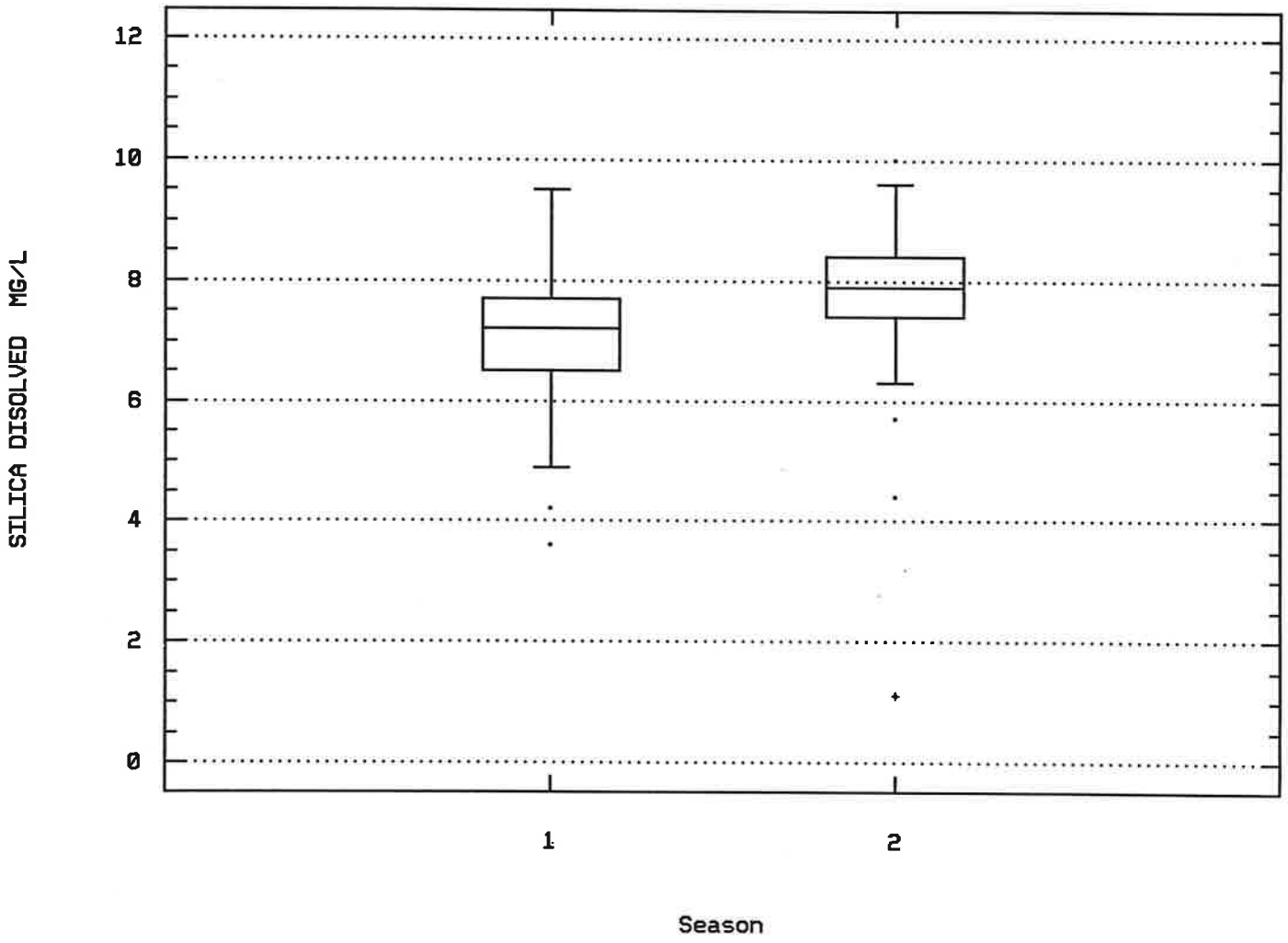
FLUORIDE, DISSOLVED (MG/L AS F)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 00955

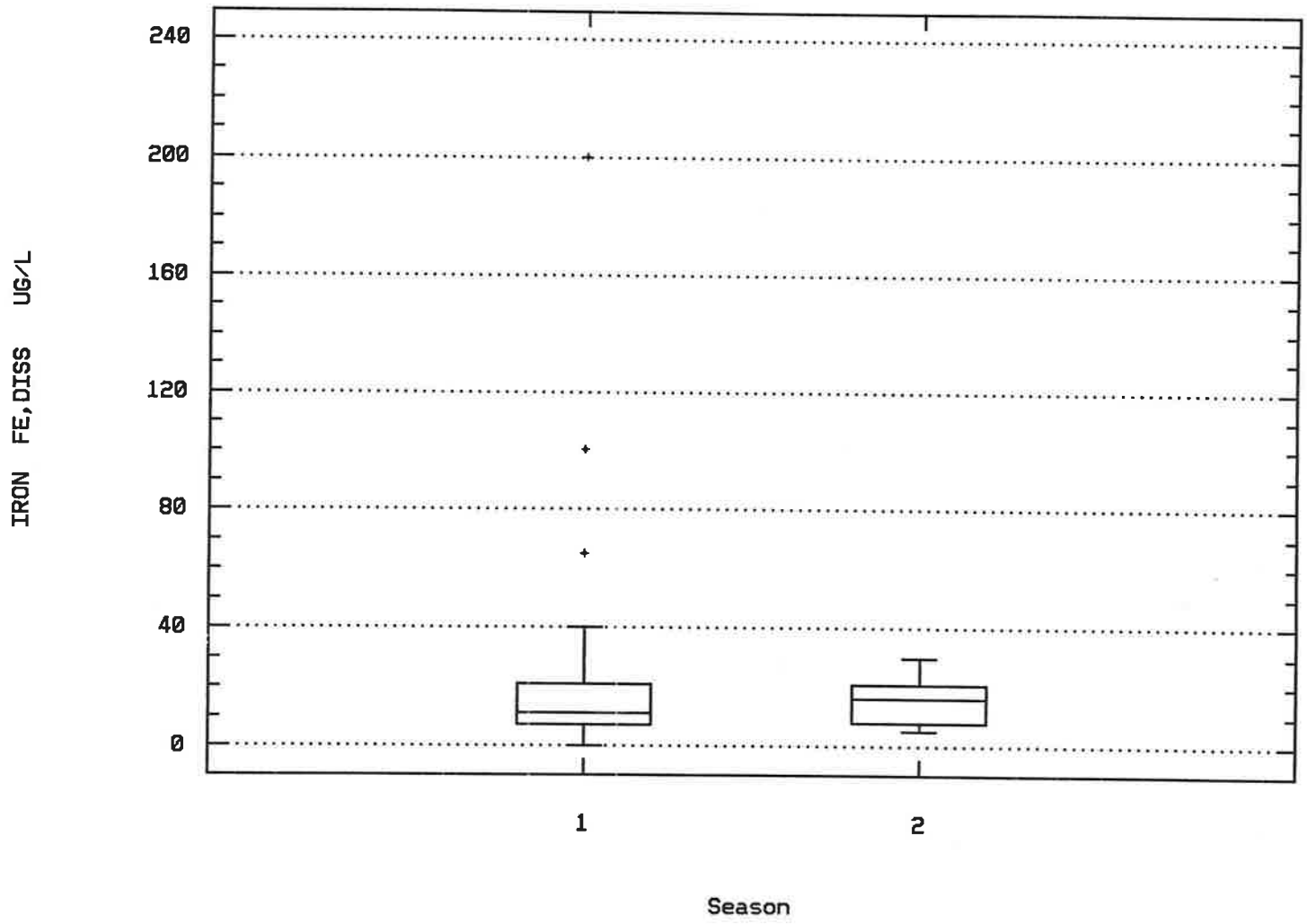
SILICA, DISSOLVED (MG/L AS SI02)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 01046

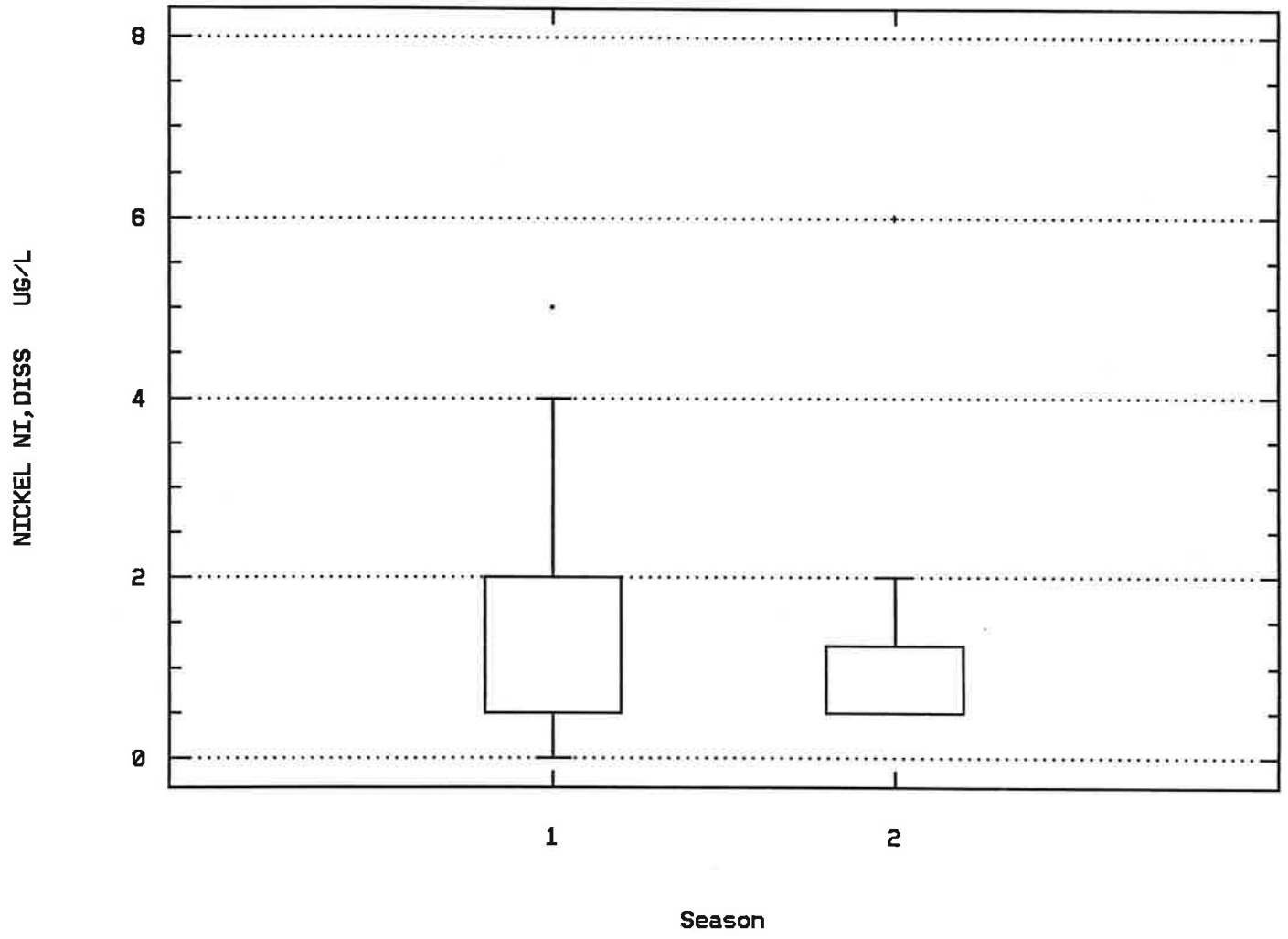
IRON, DISSOLVED (UG/L AS FE)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 01065

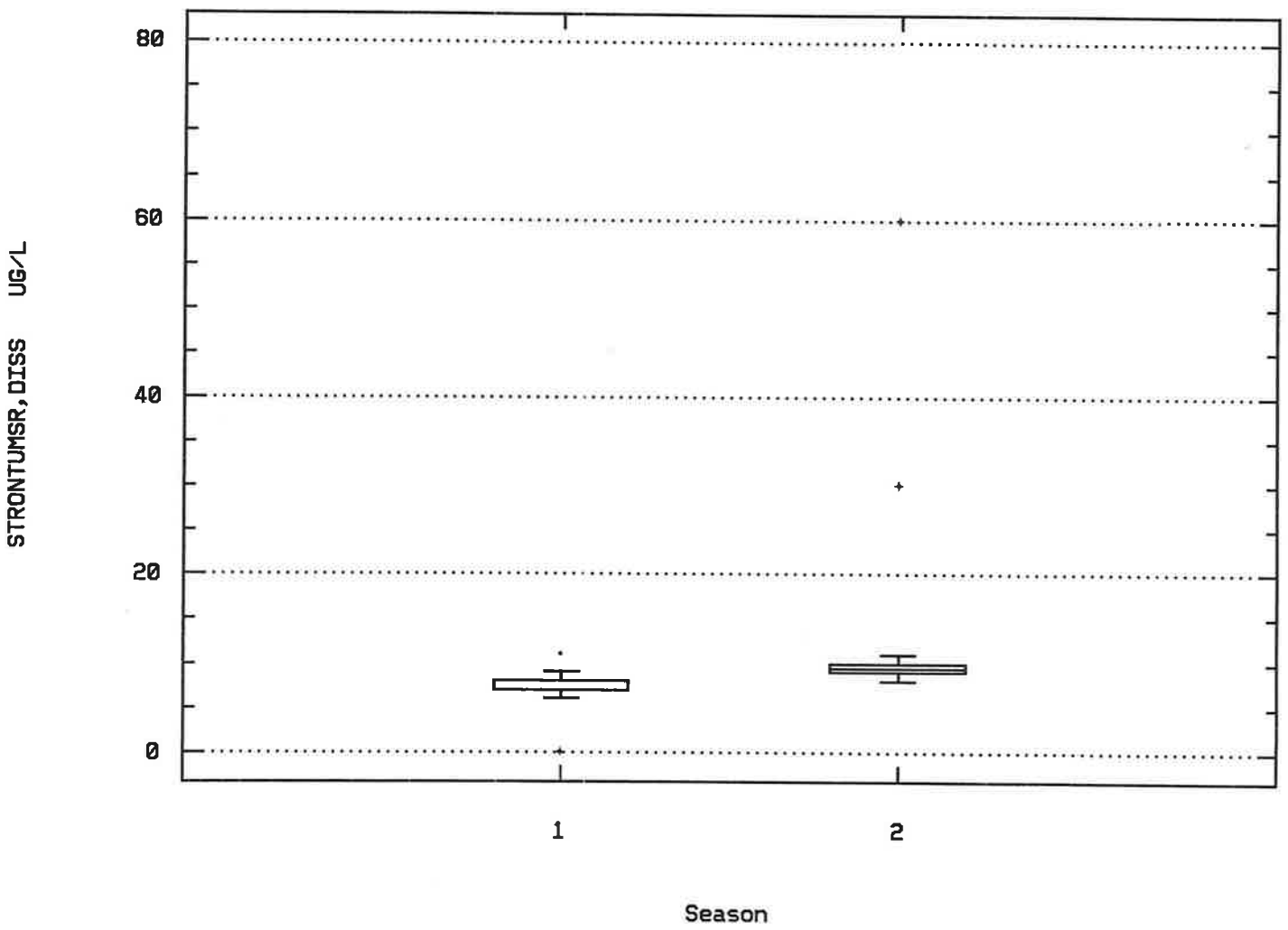
NICKEL, DISSOLVED (UG/L AS NI)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 01080

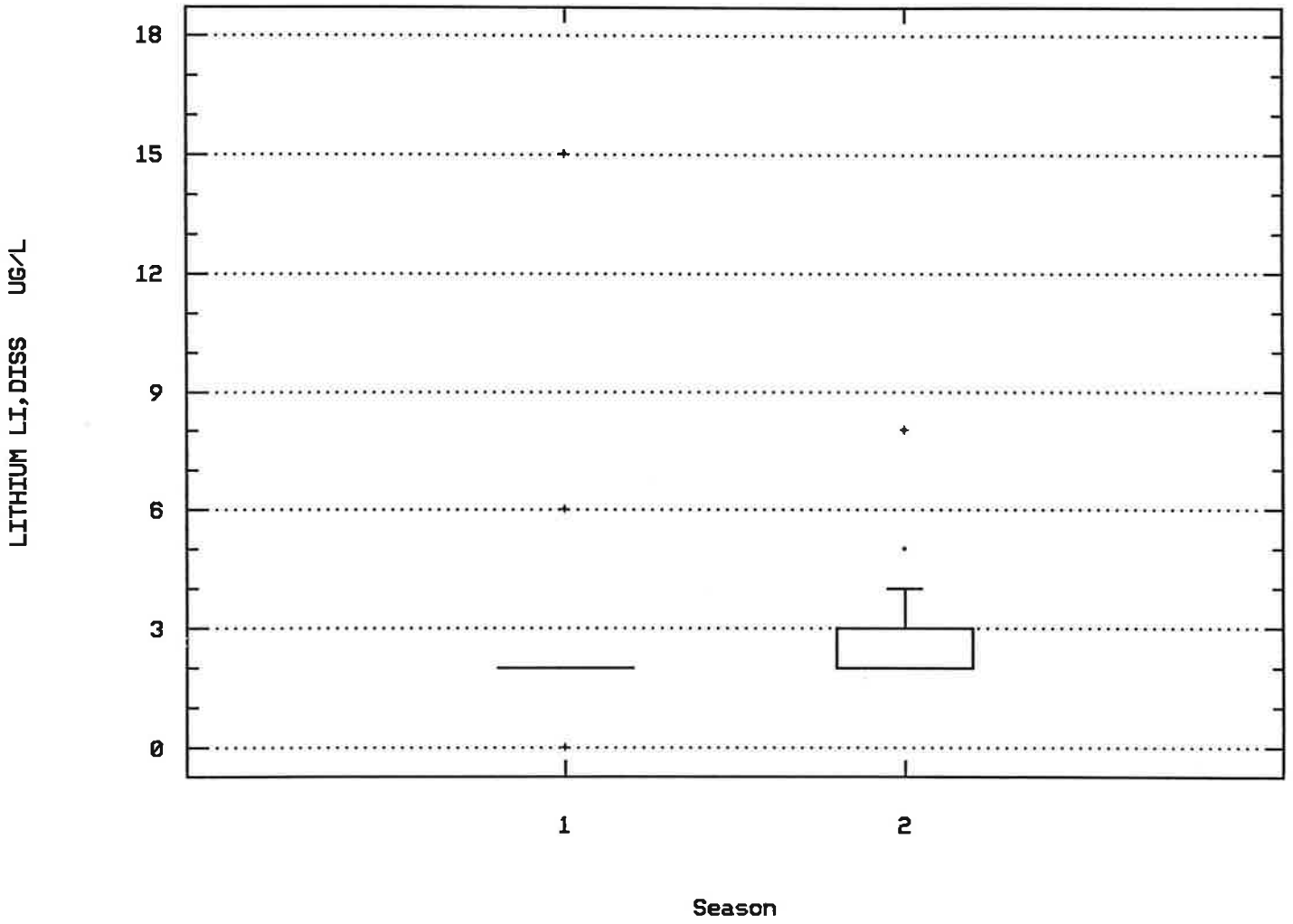
STRONTIUM, DISSOLVED (UG/L AS SR)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 01130

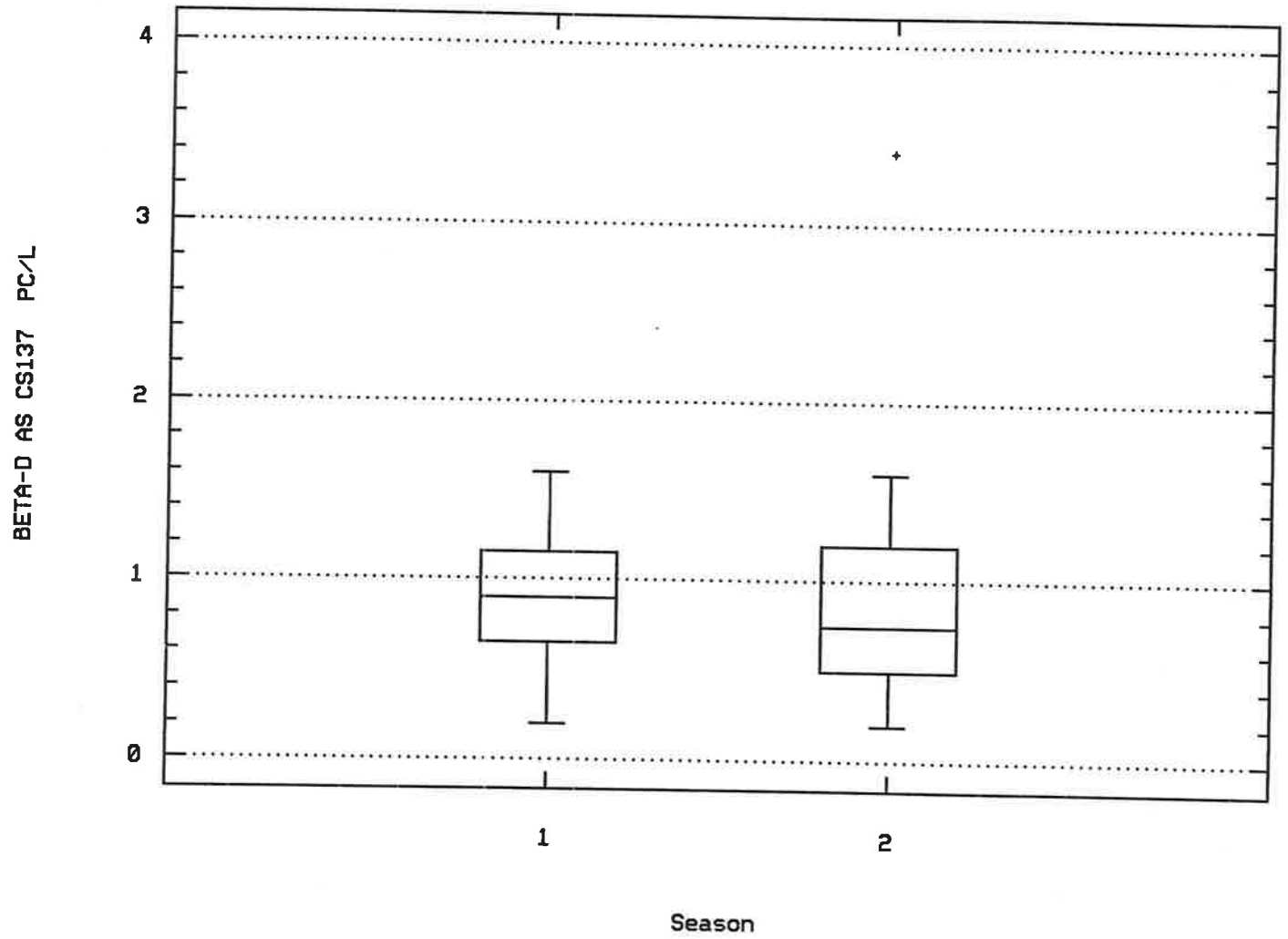
LITHIUM, DISSOLVED (UG/L AS LI)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 03515

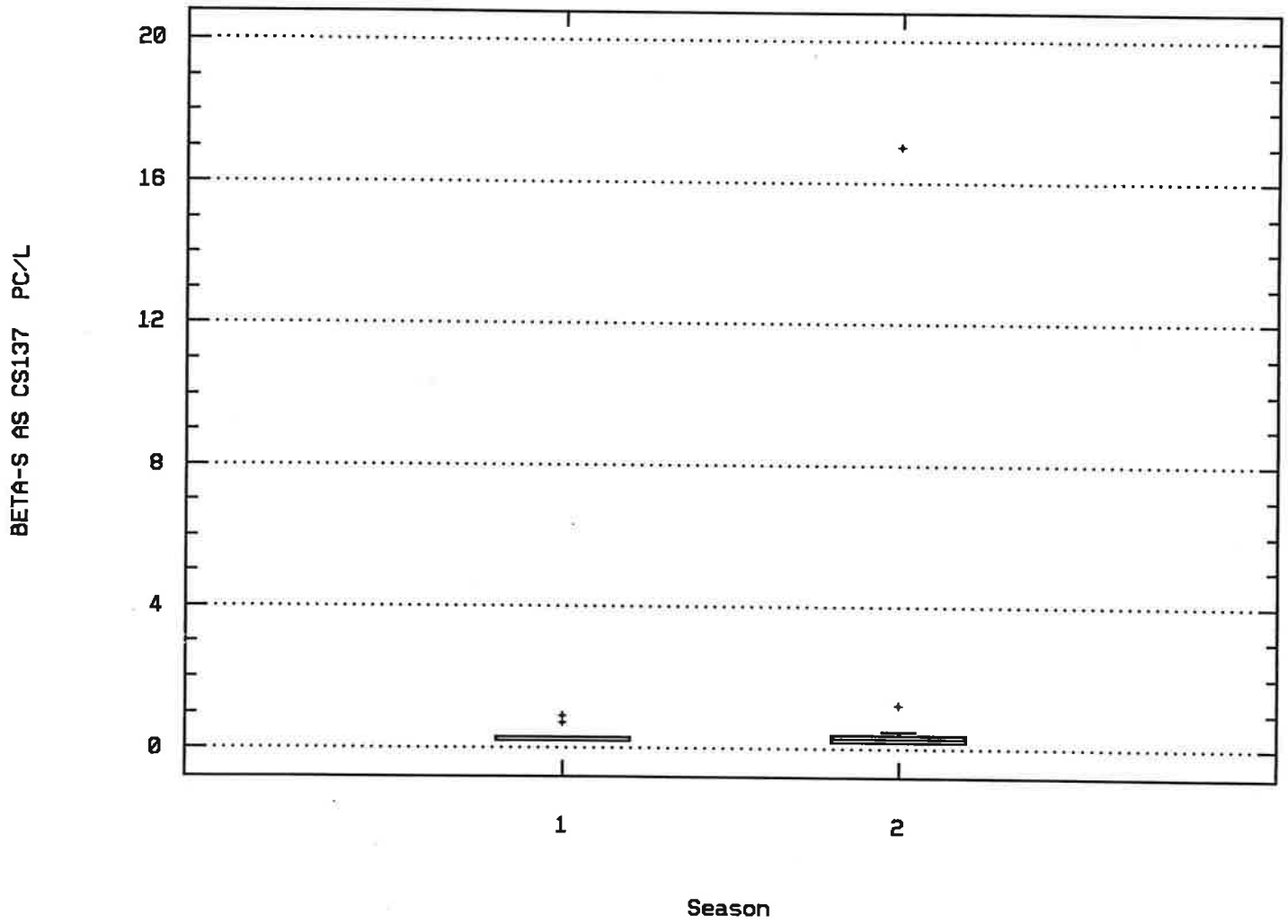
BETA, DISSOLVED GROSS, AS CS-137, PC/L



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 03516

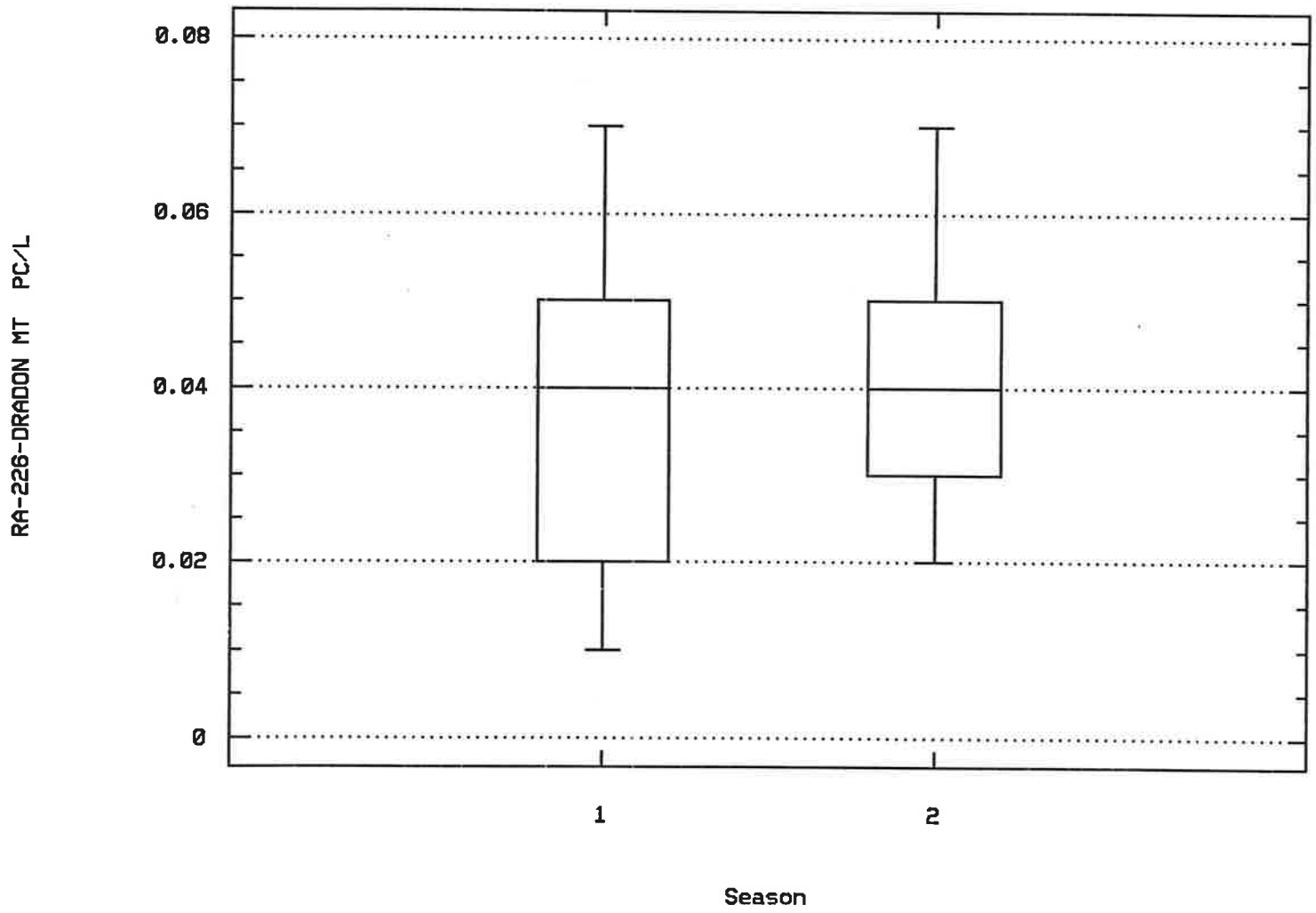
BETA, SUSPENDED GROSS, AS CS-137, PC/L



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 09511

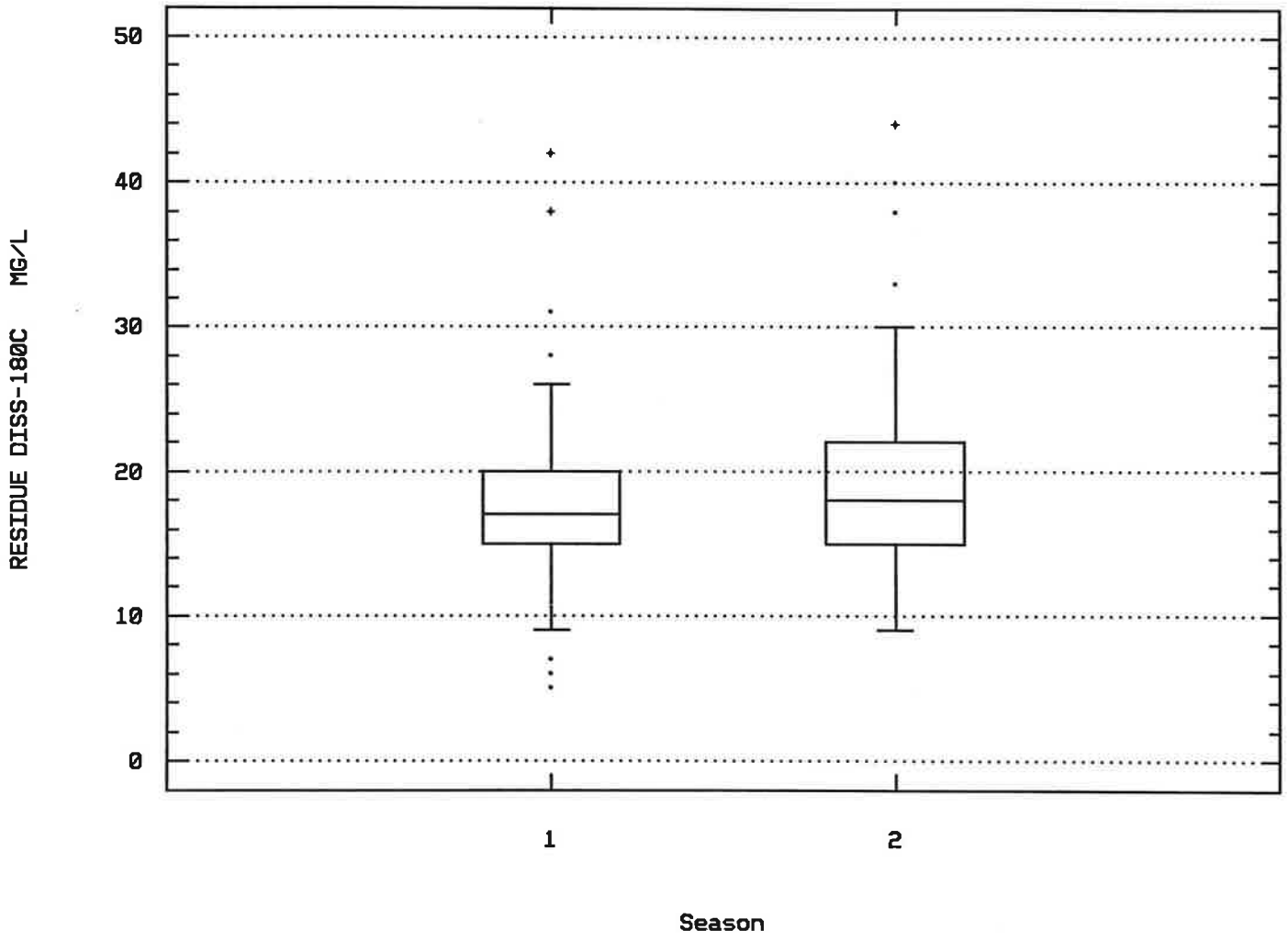
RADIUM 226, DISSOLVED, RADON METHOD



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 70300

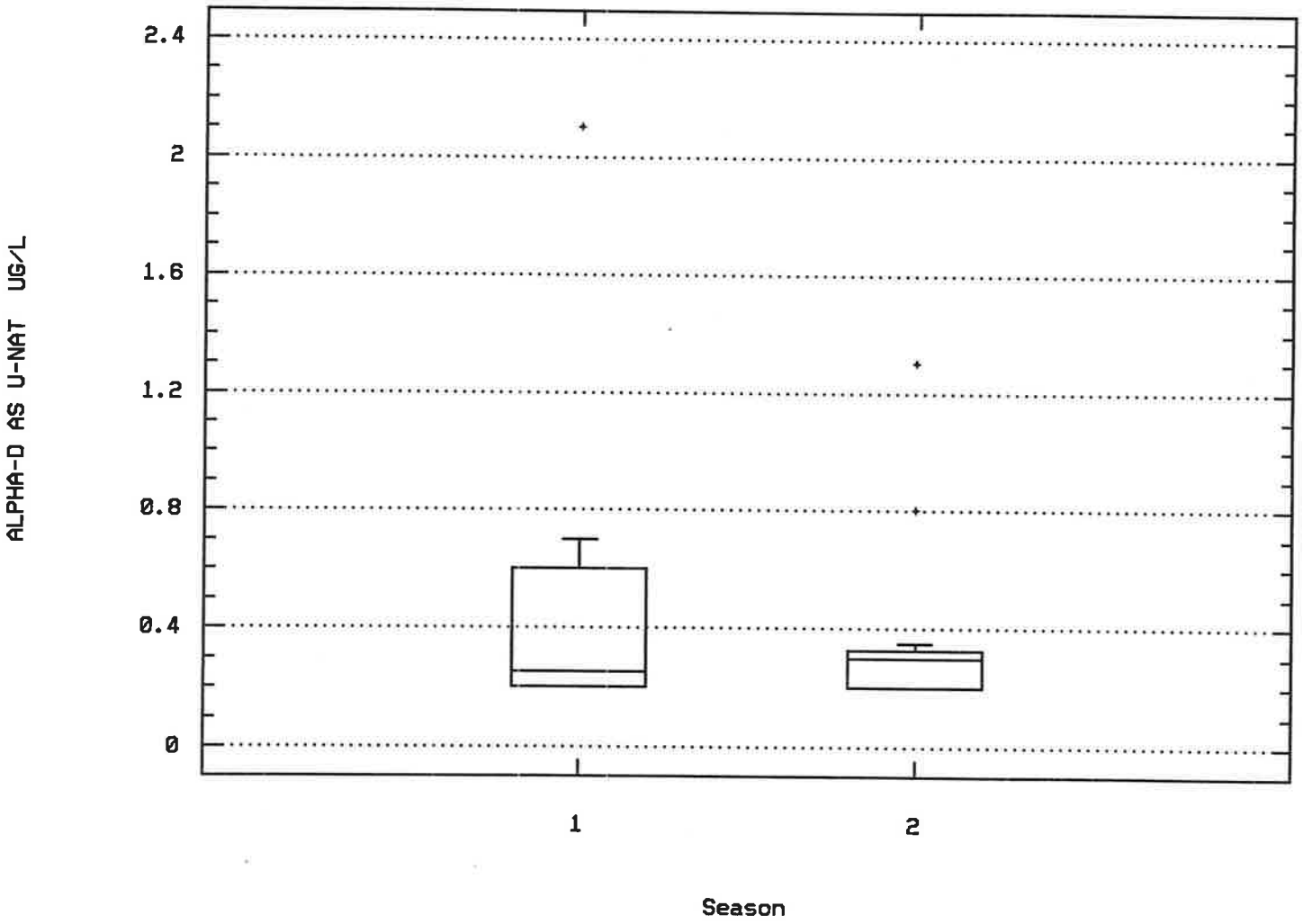
RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 80030

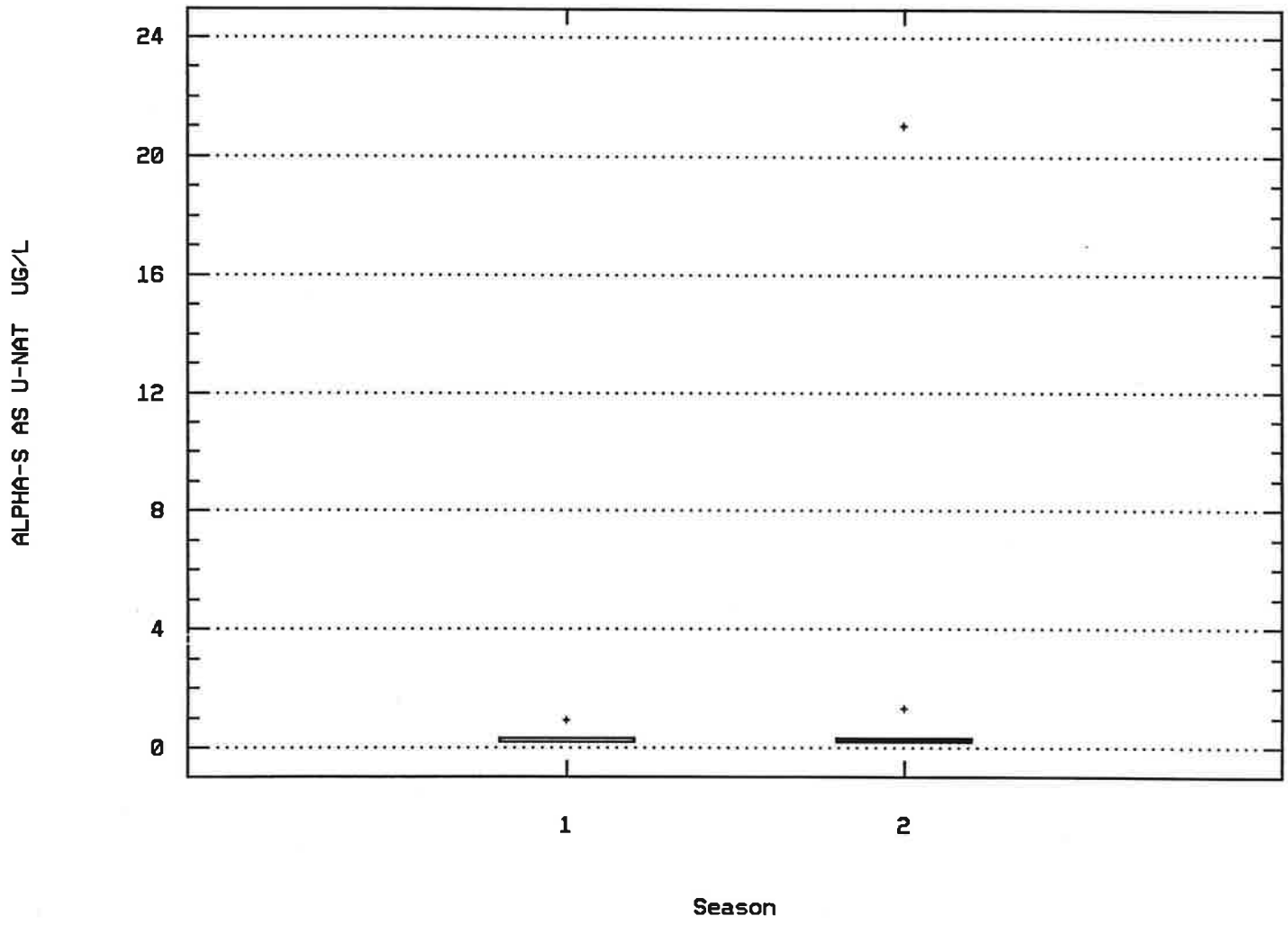
ALPHA,DISSOLVED GROSS,AS URANIUM-NATURA



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 80040

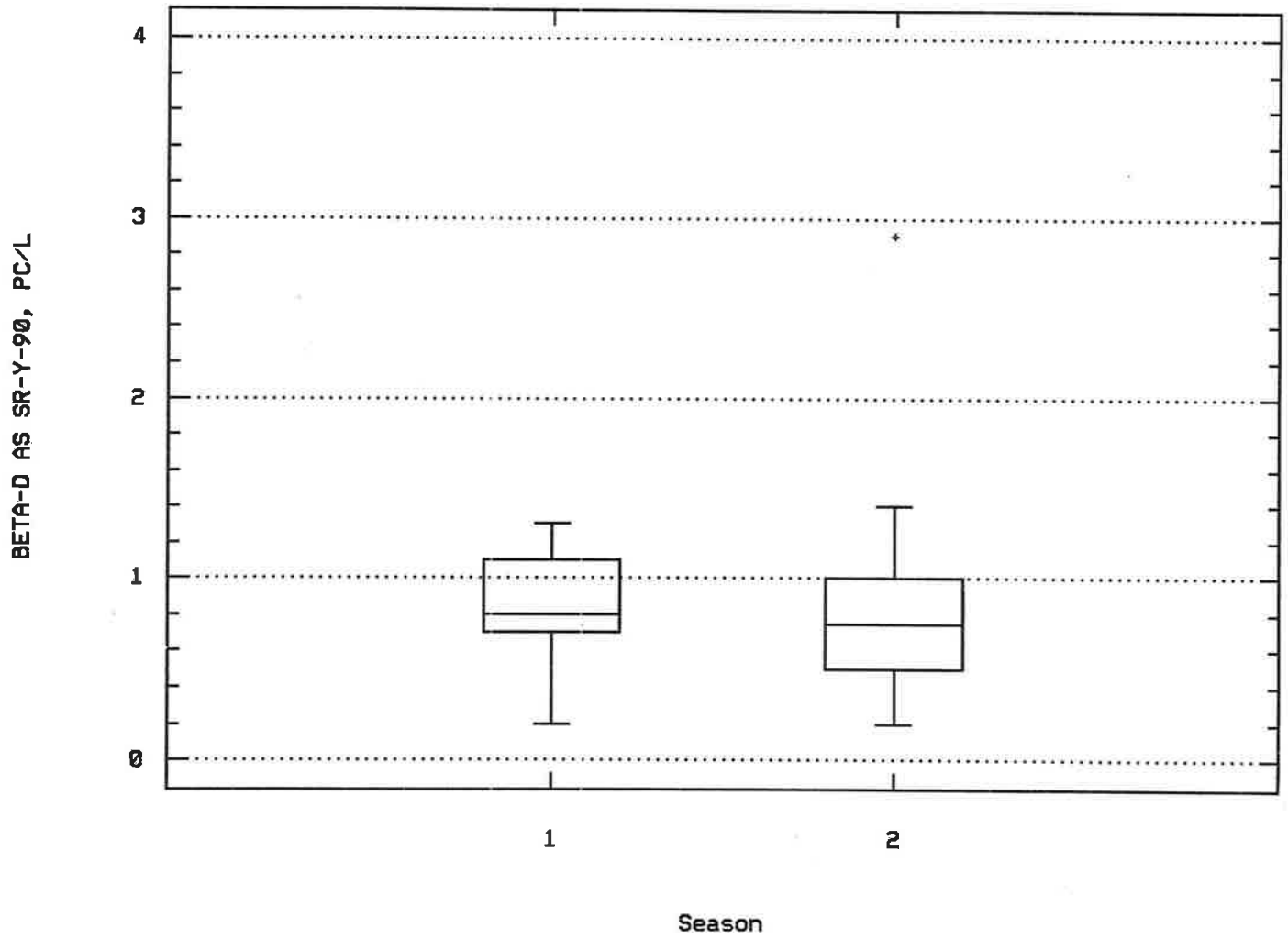
ALPHA,SUSPENDED GROSS, AS URANIUM-NATUR



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 80050

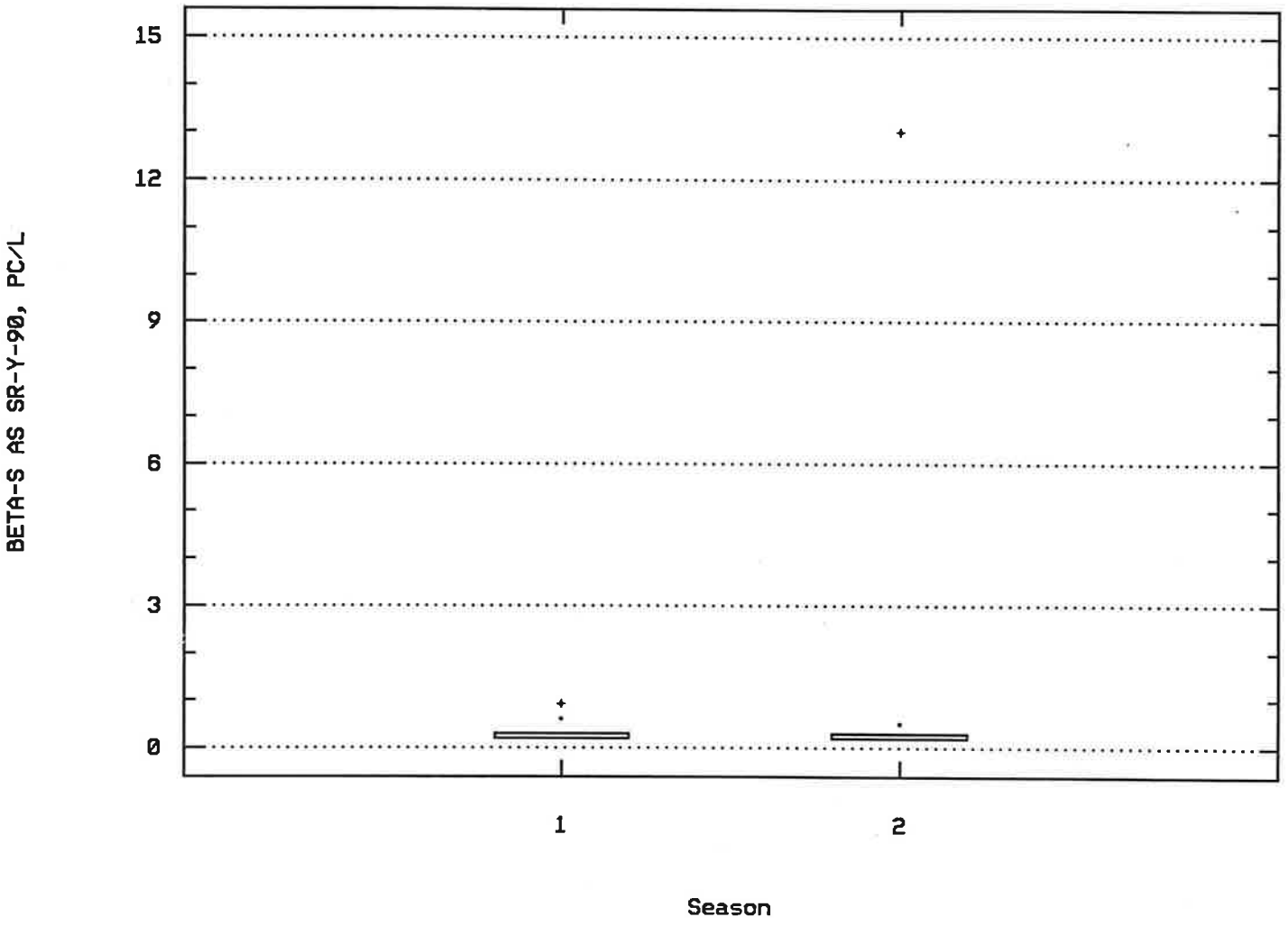
BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station: GRSM0184 Parameter Code: 80060

BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L



CATALOOCHEE CREEK NEAR CATALOOCHEE N C

Station Inventory for Station: GRSM0185

NPS Station ID: GRSM0185 LAT/LON: 35.667226/ -83.073059 Agency: 21NC01WQ Date Created: / /
Location: CATALOOCHEE CREEK NEAR CATALOOCHEE NC
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/FISH/STREAM/SOLIDS/BACK
STORET Station ID(s): E6450000 /FRB049A /03460000
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 999 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106012 RF1 Mile Point: 3.180 Distance from RF1: 0.30 On/Off RF1: OFF
RF3 Index: 06010106000911.20 RF3 Mile Point: 11.20 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004 STREAM WIDTH (FEET)		02/07/83-12/05/94	54	75.	59.815	75.	15.	564.116	23.751	20.	30.	75.	75.
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/04/73-12/05/94	298	12.	10.909	20.	0.	26.159	5.115	4.	6.75	15.	17.1
00060 FLOW, STREAM, MEAN DAILY	CFS	01/24/74-05/12/75	60	133.	164.033	760.	35.	17141.287	130.925	43.	73.	207.	371.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/01/75-09/07/93	183	72.	102.683	1550.	24.	16233.152	127.409	33.4	48.	122.	172.6
00064 DEPTH OF STREAM, MEAN (FT)		02/07/83-12/05/94	55	1.	1.162	3.	0.5	0.165	0.406	1.	1.	1.	1.5
00065 STAGE, STREAM (FEET)		01/24/74-09/07/93	269	2.48	2.705	40.26	0.43	5.469	2.339	2.15	2.27	2.775	3.09
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		10/04/73-12/05/94	203	1.	2.047	68.	0.	30.35	5.509	0.5	0.5	2.	3.6
00080 COLOR (PLATINUM-COBALT UNITS)		10/04/73-10/04/73	1	0.	0.	0.	0.	0.	**	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		05/28/81-12/05/94	111	18.	18.459	38.	6.	30.978	5.566	12.2	14.	23.	25.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		01/29/74-12/14/89	102	20.	19.441	48.	3.	64.982	8.061	10.	14.	25.	30.
00300p OXYGEN, DISSOLVED	MG/L	09/04/73-12/05/94	278	10.	10.204	13.9	2.	2.158	1.469	8.8	9.2	11.1	12.2
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	09/04/73-09/19/85	149	92.	92.455	115.	71.	31.007	5.568	87.	89.25	95.	98.
00310 BOD, 5 DAY, 20 DEG C	MG/L	09/04/73-06/26/91	231	0.5	0.53	3.	0.	0.149	0.387	0.2	0.3	0.7	1.
00335 COD, .025N K2CR2O7	MG/L	09/04/73-12/11/84	58##	5.	6.129	30.	2.5	25.215	5.021	2.5	2.5	8.375	12.5
00340 COD, .25N K2CR2O7	MG/L	01/24/74-04/23/81	136##	12.5	9.835	46.	0.	35.945	5.995	5.	5.	12.5	12.5
00400p PH (STANDARD UNITS)		09/04/73-12/05/94	264	6.7	6.696	7.7	5.4	0.132	0.363	6.2	6.425	6.9	7.1
00400p CONVERTED PH (STANDARD UNITS)		09/04/73-12/05/94	264	6.7	6.535	7.7	5.4	0.158	0.398	6.2	6.425	6.9	7.1
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/04/73-12/05/94	264	0.2	0.292	3.981	0.02	0.119	0.345	0.079	0.126	0.378	0.631
00403 PH, LAB, STANDARD UNITS	SU	11/28/79-12/05/94	99	6.7	6.707	7.	6.3	0.018	0.134	6.6	6.6	6.8	6.9
00403 CONVERTED PH, LAB, STANDARD UNITS		11/28/79-12/05/94	99	6.7	6.686	7.	6.3	0.018	0.136	6.6	6.6	6.8	6.9
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/28/79-12/05/94	99	0.2	0.206	0.501	0.1	0.005	0.068	0.126	0.158	0.251	0.251
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		09/04/73-06/26/91	234	6.	5.778	19.	1.	3.856	1.964	4.	5.	6.	7.5
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)		09/04/73-08/20/80	100	0.	0.05	5.	0.	0.25	0.5	0.	0.	0.	0.
00430 ALKALINITY, CARBONATE (MG/L AS CACO3)		08/20/80-08/20/80	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)		06/27/80-10/25/93	106	5.	5.151	9.	2.	2.682	1.638	3.	4.	6.	7.
00435 ACIDITY, TOTAL (MG/L AS CACO3)		09/17/73-10/04/73	2	30.	30.	60.	0.	1800.	42.426	**	**	**	**
00436 ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)		09/17/73-07/11/91	3	0.	1.	3.	0.	3.	1.732	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		05/26/76-01/22/92	144	28.	27.583	80.	5.	103.825	10.189	15.	21.	33.	39.5
00505 RESIDUE, TOTAL VOLATILE (MG/L)		07/10/79-03/27/85	56	15.5	15.732	41.	0.5	82.881	9.104	2.7	11.	21.	26.
00510 RESIDUE, TOTAL FIXED (MG/L)		07/10/79-03/27/85	56	14.	13.938	27.	0.5	34.073	5.837	5.7	10.25	19.	21.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/26/76-12/05/94	181	2.	2.356	13.	0.5	4.89	2.211	0.5	0.5	3.	5.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/10/79-03/27/85	56##	0.75	1.464	5.	0.5	1.653	1.286	0.5	0.5	2.	3.3
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/10/79-03/27/85	56##	0.5	1.107	8.	0.5	1.988	1.41	0.5	0.5	1.	3.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/26/76-11/07/94	154	0.025	0.023	0.08	0.005	0.	0.013	0.01	0.01	0.025	0.04
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/26/76-11/07/94	154	0.1	0.119	0.6	0.005	0.007	0.083	0.05	0.05	0.2	0.2
00630 NITRITE PLUS NITRATE, TOTAL 1 DET, (MG/L AS N)		05/26/76-11/07/94	154	0.16	0.152	0.27	0.005	0.004	0.059	0.035	0.13	0.19	0.22
00665 PHOSPHORUS, TOTAL (MG/L AS P)		05/26/76-11/07/94	153	0.025	0.022	0.09	0.005	0.	0.011	0.01	0.01	0.025	0.03
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		06/19/79-12/15/80	9##	5.	5.211	6.9	5.	0.401	0.633	5.	5.	5.	6.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	85	5.	4.753	12.	2.	2.95	1.718	2.	4.	6.	7.
00916	CALCIUM, TOTAL (MG/L AS CA)	05/20/77-03/15/89	4	0.75	0.6	0.8	0.1	0.113	0.337	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	05/20/77-03/15/89	2	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	05/20/77-03/15/89	2	1.17	1.17	1.4	0.94	0.106	0.325	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/15/89-03/15/89	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/24/83-12/19/90	56##	2.5	2.714	12.	2.5	1.708	1.307	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	05/26/76-11/07/94	91##	5.	5.22	25.	5.	4.396	2.097	5.	5.	5.	5.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/28/78-11/29/84	6##	0.913	0.829	1.05	0.3	0.075	0.273	**	**	**	**
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	10/24/84-10/24/84	9##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
01027	CADMIUM, TOTAL (UG/L AS CD)	05/26/76-11/07/94	96##	1.	8.146	25.	1.	95.073	9.751	1.	1.	10.	25.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/28/78-11/29/84	6##	0.225	0.35	1.2	0.1	0.178	0.422	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/28/78-11/29/84	6	5.35	6.683	13.	4.9	9.91	3.148	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/26/76-11/07/94	96##	12.5	16.979	25.	2.5	41.042	6.406	12.5	12.5	25.	25.
01037	COBALT, TOTAL (UG/L AS CO)	05/26/76-05/26/87	20##	50.	48.75	50.	25.	31.25	5.59	50.	50.	50.	50.
01039	COPPER, TOTAL IN BOTTOM DEPOSITS (MG/KG,WT WGT)	11/28/78-11/28/78	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/26/76-11/07/94	97##	5.	36.691	2700.	1.	74882.57	273.647	1.	1.	10.	20.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/26/81-11/29/84	5	4.	3.86	4.3	3.3	0.163	0.404	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/26/76-11/07/94	57##	50.	280.632	13000.	25.	2942241.237	1715.296	25.	25.	60.5	104.
01051	LEAD, TOTAL (UG/L AS PB)	05/26/76-11/07/94	97##	5.	23.959	50.	5.	452.665	21.276	5.	5.	50.	50.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/28/78-11/29/84	6	7.1	11.833	39.	4.8	178.839	13.373	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/26/76-10/25/93	35##	25.	21.671	220.	5.	1279.47	35.77	5.	5.	25.	25.
01067	NICKEL, TOTAL (UG/L AS NI)	05/26/76-11/07/94	82##	5.	23.402	300.	5.	1321.75	36.356	5.	5.	50.	50.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/17/81-11/29/84	4	4.85	4.875	5.7	4.1	0.509	0.714	**	**	**	**
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	10/24/84-10/24/84	9##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01092	ZINC, TOTAL (UG/L AS ZN)	05/26/76-11/07/94	97##	5.	107.763	7800.	1.	643023.724	801.888	5.	5.	22.5	25.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	11/17/81-11/29/84	4	32.	34.5	46.	28.	65.	8.062	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	90##	50.	70.867	270.	25.	3306.634	57.503	25.	25.	100.	195.
31504	COLIFORM,TOT,MEMBR FILTER,IMMED,LES ENDO AGAR,35C	05/07/74-10/15/80	13	58.	131.308	900.	1.	57649.564	240.103	5.	18.5	92.5	644.
31504	LOG COLIFORM,TOT,MEMBR FILTER,IMMED,LES ENDO AGAR,	05/07/74-10/15/80	13	1.763	1.677	2.954	0.	0.503	0.709	0.417	1.254	1.966	2.739
31504	GM COLIFORM,TOT,MEMBR FILTER,IMMED,LES ENDO AGAR,3		GEOMETRIC MEAN =		47.482								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	345	5.	69.713	12000.	0.5	495341.576	703.805	0.5	3.	10.	30.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	345	0.699	0.748	4.079	-0.301	0.433	0.658	-0.301	0.477	1.	1.477
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		5.604								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/10/79-11/29/94	57	610.	1706.193	23001.	0.5	13142866.542	3625.309	10.6	56.	1750.	3820.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/10/79-11/29/94	57	2.785	2.488	4.362	-0.301	1.1	1.049	1.003	1.748	3.241	3.582
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		GEOMETRIC MEAN =		307.624								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	08/27/74-06/23/81	5	700.	1305.4	4800.	67.	3952785.8	1988.161	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	08/27/74-06/23/81	5	2.845	2.629	3.681	1.826	0.629	0.793	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4		GEOMETRIC MEAN =		425.971								
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/26/81-06/26/81	1##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
39064	CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	11/28/78-10/17/84	3##	30.	21.667	30.	5.	208.333	14.434	**	**	**	**
39067	CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	11/28/78-10/17/84	3##	30.	21.667	30.	5.	208.333	14.434	**	**	**	**
39073	CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	11/28/78-10/17/84	3##	10.	8.333	10.	5.	8.333	2.887	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	11/28/78-10/17/84	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-10/17/84	3##	35.	26.667	35.	10.	208.333	14.434	**	**	**	**
39306	O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-10/17/84	3##	10.	10.	10.	10.	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-10/17/84	3##	20.	16.667	20.	10.	33.333	5.774	**	**	**	**
39316	O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-10/17/84	3##	10.	10.	10.	10.	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-10/17/84	3##	10.	10.	10.	10.	0.	0.	**	**	**	**
39328	O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/28/78-10/17/84	3##	10.	10.	10.	10.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/28/78-10/17/84	3##	0.005	0.837	2.5	0.005	2.075	1.44	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/81-10/17/84	2##	45.	45.	45.	45.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/28/78-10/17/84	3##	0.01	1.673	5.	0.01	8.3	2.881	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/28/78-10/17/84	3##	20.	15.	20.	5.	75.	8.66	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/28/78-10/17/84	3##	40.	35.	40.	25.	75.	8.66	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-10/17/84	3##	200.	216.667	250.	200.	833.333	28.868	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	11/28/78-10/17/84	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
39811	CHLORDANE,GAMMA,IN BOTTOM DEPOS(UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
70305	SALINITY BASED ON CONDUCTIVITY	01/29/74-02/09/77	18	0.	0.111	0.7	0.	0.056	0.237	0.	0.	0.05	0.7
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	106##	0.015	0.016	0.05	0.005	0.	0.01	0.005	0.005	0.025	0.025
71900	MERCURY, TOTAL (UG/L AS HG)	05/26/76-11/07/94	92##	0.1	0.136	0.6	0.1	0.006	0.078	0.1	0.1	0.1	0.25
71921	MERCURY,TOT, IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/28/78-04/18/85	7	0.05	0.239	1.2	0.01	0.19	0.436	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/24/84-10/24/84	9##	0.01	0.026	0.14	0.01	0.002	0.043	0.01	0.01	0.015	0.14

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/24/84-10/24/84	9##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/24/84-10/24/84	9	0.61	0.858	2.	0.3	0.321	0.566	0.3	0.5	1.21	2.
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	10/24/84-10/24/84	9	24.	20.856	40.	4.8	118.508	10.886	4.8	11.45	27.	40.
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	10/24/84-10/24/84	9##	0.25	0.278	0.5	0.25	0.007	0.083	0.25	0.25	0.25	0.5
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	10/24/84-10/24/84	9##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
72034	FLOW, INSTANTANEOUS SPILLWAY DISCHARGE CFS	02/09/77-12/29/77	13	69.	95.462	180.	42.	2464.269	49.641	45.6	53.5	141.	177.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

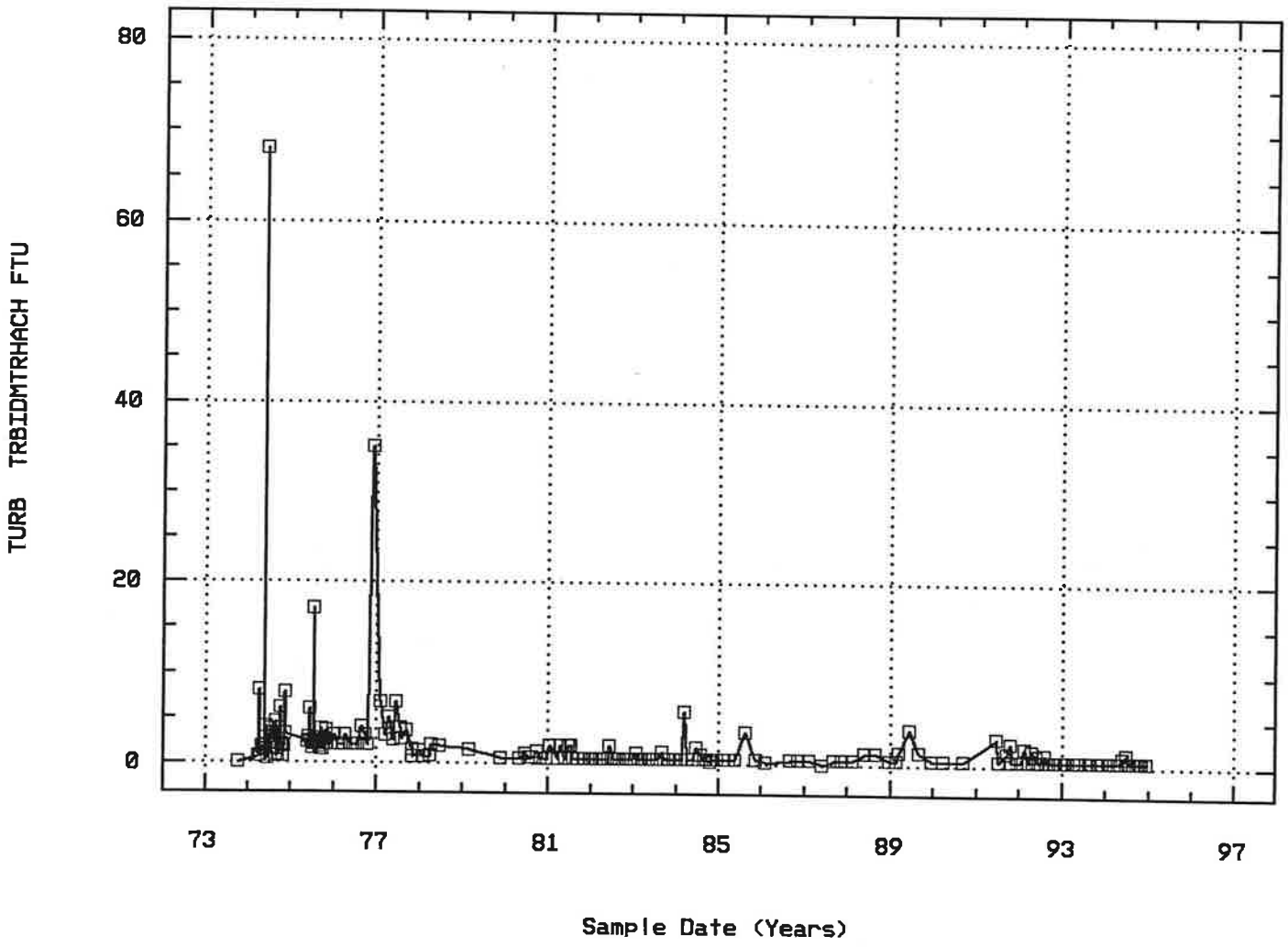
EPA Water Quality Criteria Analysis for Station: GRSM0185

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	203	1	0.00	88	0	0.00	115	1	0.01						
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	278	2	0.01	131	1	0.01	147	1	0.01						
00400	PH	Other-Hi Lim.	9.	264	0	0.00	122	0	0.00	142	0	0.00						
		Other-Lo Lim.	6.5	264	77	0.29	122	40	0.33	142	37	0.26						
00403	PH, LAB	Other-Hi Lim.	9.	99	0	0.00	49	0	0.00	50	0	0.00						
		Other-Lo Lim.	6.5	99	9	0.09	49	7	0.14	50	2	0.04						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	154	0	0.00	74	0	0.00	80	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	56	0	0.00	29	0	0.00	27	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	91	0	0.00	44	0	0.00	47	0	0.00						
		Drinking Water	50.	91	0	0.00	44	0	0.00	47	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	52&	0	0.00	25	0	0.00	27	0	0.00						
		Drinking Water	5.	52&	0	0.00	25	0	0.00	27	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	96	0	0.00	47	0	0.00	49	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	77&	3	0.04	38	2	0.05	39	1	0.03						
		Drinking Water	1300.	97	1	0.01	47	0	0.00	50	1	0.02						
01051	LEAD, TOTAL	Fresh Acute	82.	97	0	0.00	47	0	0.00	50	0	0.00						
		Drinking Water	5.	1&	1	1.00				1	1	1.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	82	0	0.00	39	0	0.00	43	0	0.00						
		Drinking Water	100.	82	1	0.01	39	0	0.00	43	1	0.02						
01092	ZINC, TOTAL	Fresh Acute	120.	97	3	0.03	47	2	0.04	50	1	0.02						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	345	5	0.01	161	1	0.01	184	4	0.02						
71900	MERCURY, TOTAL	Fresh Acute	2.4	92	0	0.00	45	0	0.00	47	0	0.00						
		Drinking Water	2.	92	0	0.00	45	0	0.00	47	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: GRSM0185 Parameter Code: 00076

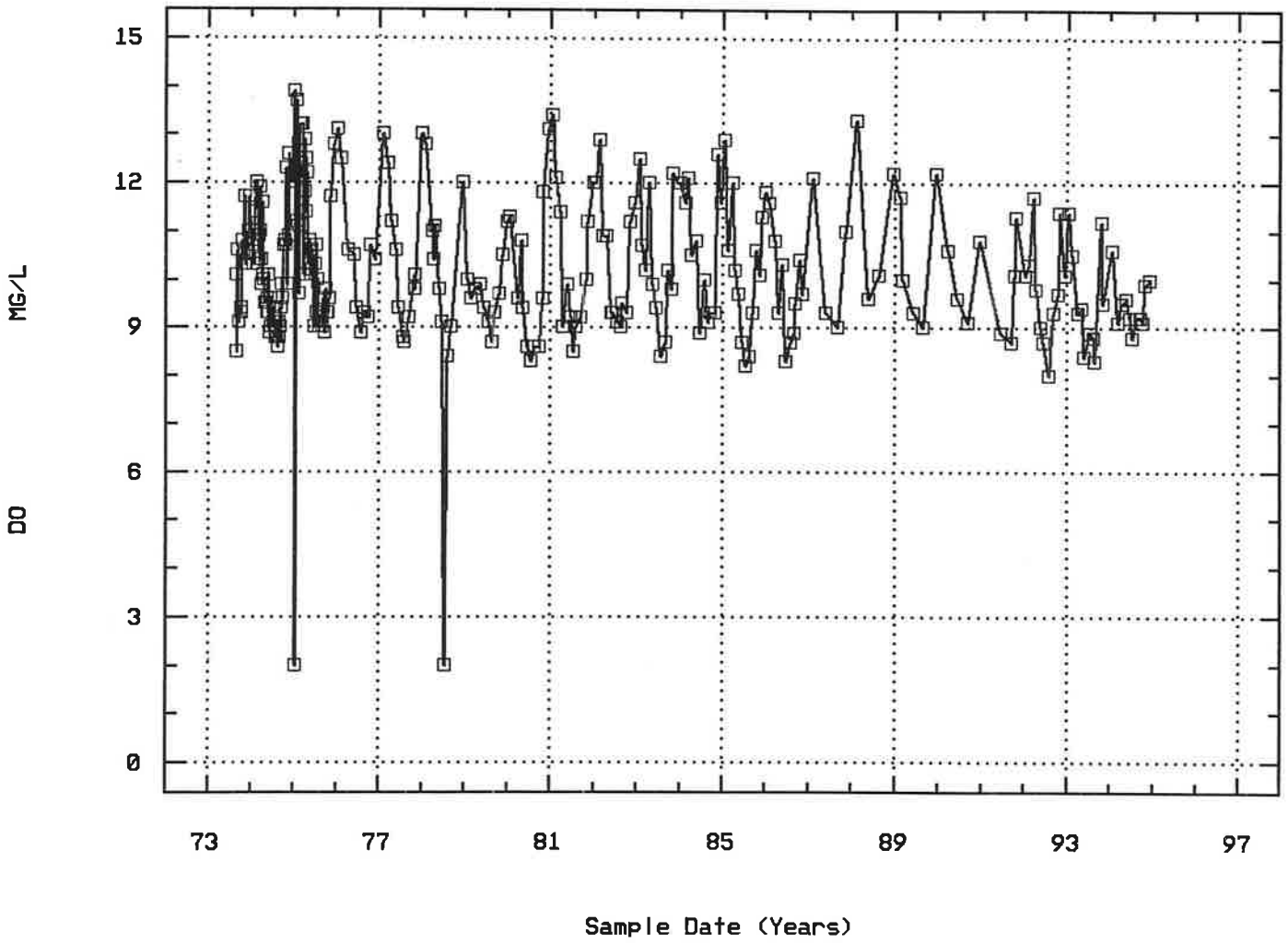
TURBIDITY,HACH TURBIDIMETER (FORMAZIN T



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 00300

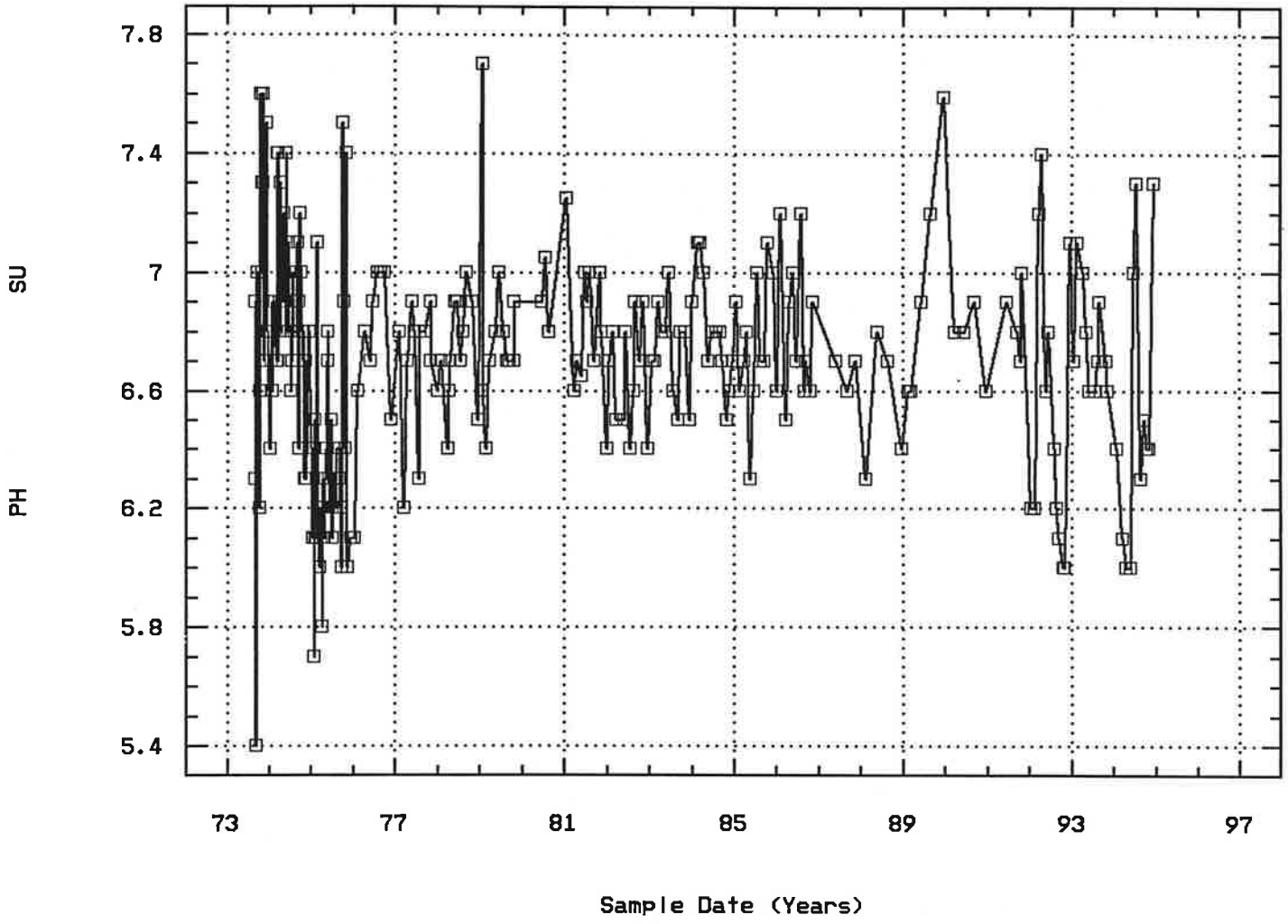
OXYGEN, DISSOLVED



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 00400

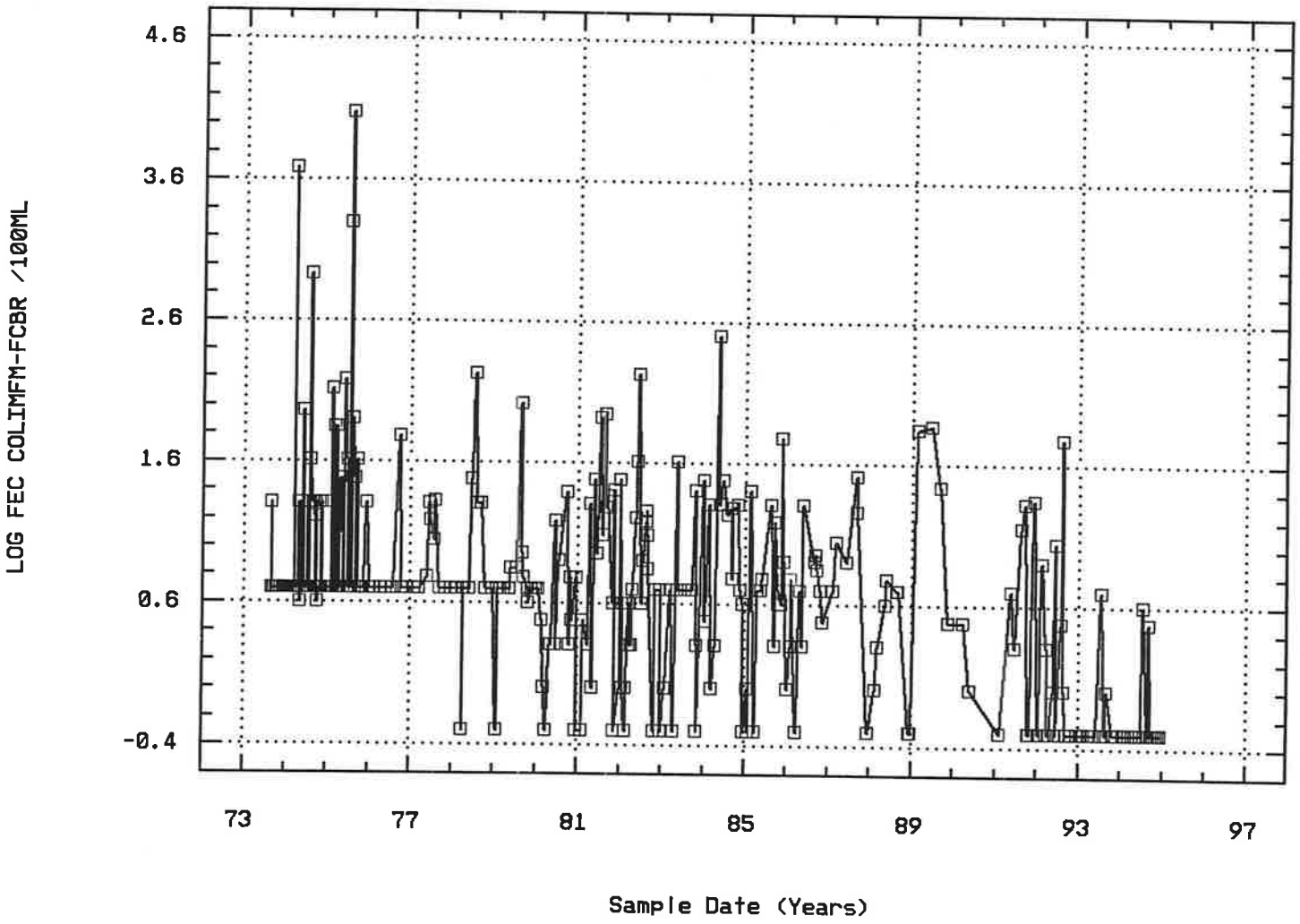
PH (STANDARD UNITS)



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Annual Analysis for 1973 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	15	9.	11.4	18.	6.	21.4	4.626	6.6	7.	16.	18.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	15	10.5	10.3	11.7	8.5	0.821	0.906	8.86	9.4	10.8	11.7
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/04/73-09/19/85	4	92.	91.75	94.	89.	4.917	2.217	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	13	0.4	0.5	1.4	0.1	0.108	0.329	0.14	0.3	0.6	1.16
00335 COD, .025N K2CR2O7 MG/L	09/04/73-12/11/84	13##	12.5	12.5	12.5	12.5	0.	0.	12.5	12.5	12.5	12.5
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	15	7.	6.9	7.6	5.4	0.363	0.602	5.88	6.6	7.3	7.6
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	15	7.	6.378	7.6	5.4	0.655	0.809	5.88	6.6	7.3	7.6
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	15	0.1	0.419	3.981	0.025	1.003	1.002	0.025	0.05	0.251	1.971
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	15	6.	6.333	9.	4.	2.381	1.543	4.6	5.	8.	8.4
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/04/73-08/20/80	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	13##	5.	6.923	20.	5.	18.91	4.349	5.	5.	7.5	16.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	13##	0.699	0.792	1.301	0.699	0.036	0.19	0.699	0.699	0.849	1.181
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		6.189									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	45	12.	11.811	19.	3.	17.617	4.197	5.	9.	15.5	17.
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	42	2.51	2.611	3.65	2.14	0.146	0.382	2.173	2.268	2.89	3.05
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	31	1.9	4.59	68.	0.4	142.322	11.93	0.6	1.	3.7	7.44
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/74-12/14/89	25	25.	21.68	35.	10.	67.643	8.225	10.	13.	29.	30.
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	45	9.9	10.084	12.6	8.6	1.14	1.067	8.86	9.15	10.8	11.94
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/04/73-09/19/85	35	92.	91.914	102.	86.	9.845	3.138	87.6	90.	94.	95.4
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	45	0.7	0.826	3.	0.05	0.343	0.586	0.2	0.5	1.1	1.32
00335 COD, .025N K2CR2O7 MG/L	09/04/73-12/11/84	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	01/24/74-04/23/81	32##	12.5	15.609	46.	12.5	63.802	7.988	12.5	12.5	12.5	30.
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	42	6.8	6.86	7.4	6.3	0.07	0.265	6.46	6.7	7.	7.27
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	42	6.8	6.782	7.4	6.3	0.076	0.277	6.46	6.7	7.	7.27
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	42	0.158	0.165	0.501	0.04	0.012	0.108	0.054	0.1	0.2	0.354
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	41	6.	6.171	19.	4.	7.195	2.682	4.	5.	6.5	8.
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/04/73-08/20/80	28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	47##	5.	131.043	4800.	4.	499346.129	706.644	5.	5.	20.	24.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	47##	0.699	1.01	3.681	0.602	0.338	0.581	0.699	0.699	1.301	1.361
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		10.227									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	42	11.	10.857	19.	3.	24.808	4.981	5.	6.	15.	19.
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	5	50.	55.	82.	43.	237.5	15.411	**	**	**	**
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	35	2.62	3.819	40.26	2.08	40.516	6.365	2.152	2.26	3.14	3.624
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	21	2.2	3.129	17.	1.4	11.053	3.325	1.52	2.	2.65	5.46
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/74-12/14/89	32	23.	25.25	48.	16.	43.806	6.619	20.3	21.25	27.75	31.
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	41	10.3	10.588	13.9	2.	4.124	2.031	9.	9.3	12.	13.2
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/04/73-09/19/85	38	96.5	94.895	109.	71.	51.989	7.21	85.8	91.75	98.25	102.1
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	42	0.6	0.567	1.3	0.	0.095	0.308	0.2	0.3	0.8	1.
00340 COD, .25N K2CR2O7 MG/L	01/24/74-04/23/81	42##	12.5	12.5	12.5	12.5	0.	0.	12.5	12.5	12.5	12.5
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	42	6.25	6.329	7.5	5.7	0.133	0.364	6.	6.1	6.4	6.87
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	42	6.247	6.223	7.5	5.7	0.144	0.38	6.	6.1	6.4	6.87
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	42	0.566	0.599	1.995	0.032	0.138	0.372	0.136	0.398	0.794	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	42	7.	6.548	19.	1.	7.717	2.778	3.	6.	7.	9.
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/04/73-08/20/80	13	0.	0.385	5.	0.	1.923	1.387	0.	0.	0.	3.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	42##	5.	354.048	12000.	5.	3482892.973	1866.251	5.	5.	30.	115.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	42##	0.699	1.149	4.079	0.699	0.548	0.74	0.699	0.699	1.477	2.051
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		14.107									

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Annual Analysis for 1976 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	10	10.	9.7	18.	1.	39.344	6.273	1.	2.5	15.25	17.8
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	8	78.	91.	216.	39.	3397.714	58.29	**	**	**	**
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	10	2.52	2.56	3.09	2.2	0.114	0.337	2.2	2.26	2.893	3.077
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	11	2.	5.455	35.	2.	96.473	9.822	2.	2.	3.	28.8
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	10	10.45	10.46	13.1	8.9	1.967	1.403	8.93	9.275	11.15	13.04
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/04/73-09/19/85	10	92.	90.3	95.	73.	40.456	6.36	74.5	90.25	93.25	94.9
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	10	0.5	0.465	0.8	0.05	0.073	0.271	0.055	0.25	0.7	0.79
00340 COD, .25N K2CR2O7 MG/L	01/24/74-04/23/81	10##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	9	6.8	6.733	7.	6.1	0.09	0.3	6.1	6.55	7.	7.
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	9	6.8	6.623	7.	6.1	0.104	0.322	6.1	6.55	7.	7.
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	9	0.158	0.238	0.794	0.1	0.049	0.222	0.1	0.1	0.284	0.794
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	9	6.	6.556	13.	4.	7.278	2.698	4.	4.5	7.	13.
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/04/73-08/20/80	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	6	17.5	18.333	27.	10.	31.067	5.574	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	6##	0.5	2.167	8.	0.5	9.167	3.028	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00630p NITRITE PLUS NITRATE, TOTAL 1 DET, (MG/L AS N)	05/26/76-11/07/94	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	10##	5.	11.5	60.	5.	294.722	17.167	5.	5.	10.	55.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	10##	0.699	0.867	1.778	0.699	0.118	0.344	0.699	0.699	1.	1.7
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		7.364									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	12	13.5	12.167	18.	0.	29.97	5.474	0.9	11.25	16.5	17.7
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	3	120.	113.667	170.	51.	3570.333	59.752	**	**	**	**
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	13	2.48	2.562	2.94	2.23	0.062	0.248	2.258	2.35	2.785	2.924
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	11	3.	3.391	6.7	0.7	4.185	2.045	0.82	1.4	5.	6.7
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/74-12/14/89	10	13.	13.8	25.	10.	22.844	4.78	10.	10.	15.5	24.2
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	11	10.1	10.564	13.	8.7	2.625	1.62	8.72	9.2	12.4	13.
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/04/73-09/19/85	10	94.	96.7	115.	89.	62.233	7.889	89.2	91.	101.	113.9
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	11	0.4	0.395	0.7	0.05	0.061	0.247	0.06	0.2	0.7	0.7
00340 COD, .25N K2CR2O7 MG/L	01/24/74-04/23/81	11##	5.	4.545	5.	0.	2.273	1.508	1.	5.	5.	5.
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.8	6.682	6.9	6.2	0.054	0.232	6.22	6.6	6.8	6.9
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.8	6.615	6.9	6.2	0.059	0.242	6.22	6.6	6.8	6.9
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	11	0.158	0.243	0.631	0.126	0.028	0.166	0.126	0.158	0.251	0.605
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	11	5.	5.182	6.	3.	0.964	0.982	3.2	5.	6.	6.
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/04/73-08/20/80	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	11	23.	23.	33.	15.	43.	6.557	15.	18.	29.	33.
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	11	1.	2.136	7.	0.5	4.255	2.063	0.5	0.5	4.	6.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	9##	0.025	0.028	0.05	0.025	0.	0.008	0.025	0.025	0.025	0.05
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	9	0.1	0.111	0.2	0.05	0.003	0.055	0.05	0.075	0.15	0.2
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	9	0.16	0.154	0.23	0.025	0.004	0.065	0.025	0.11	0.215	0.23
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	9##	0.025	0.035	0.09	0.025	0.	0.022	0.025	0.025	0.038	0.09
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	13	10.	9.846	21.	5.	32.308	5.684	5.	5.	13.	20.6
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	13	1.	0.932	1.322	0.699	0.056	0.236	0.699	0.699	1.109	1.314
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN = 8.547											
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	7##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	11	10.	11.364	19.	1.	38.455	6.201	1.4	8.	17.	18.8
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	10	95.5	100.7	225.	27.	3485.344	59.037	28.7	47.75	137.25	217.5
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	11	2.58	2.477	3.74	0.43	0.665	0.815	0.76	2.25	2.8	3.612
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	5	1.	1.24	2.	0.6	0.388	0.623	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/74-12/14/89	9	11.	11.889	20.	6.	20.111	4.485	6.	8.	15.	20.
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	10	10.1	9.56	12.8	2.	8.965	2.994	2.64	8.85	11.325	12.72
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/04/73-09/19/85	2	87.	87.	90.	84.	18.	4.243	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	12	0.5	0.563	1.7	0.2	0.194	0.441	0.2	0.213	0.65	1.52
00340 COD, .25N K2CR2O7 MG/L	01/24/74-04/23/81	12##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.7	6.736	7.	6.4	0.035	0.186	6.42	6.6	6.9	6.98
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.7	6.699	7.	6.4	0.036	0.19	6.42	6.6	6.9	6.98
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	11	0.2	0.2	0.398	0.1	0.008	0.091	0.105	0.126	0.251	0.382
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	11	5.	5.182	7.	4.	0.964	0.982	4.	4.	6.	6.8
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/04/73-08/20/80	7	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	11	24.	22.909	32.	15.	33.691	5.804	15.	16.	27.	31.4
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	2.5	3.042	13.	0.5	11.884	3.447	0.5	0.625	4.	10.3
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	10##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	10##	0.075	0.075	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	10	0.175	0.163	0.24	0.025	0.004	0.062	0.034	0.125	0.2	0.239
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	10##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	14	7.5	21.464	170.	0.5	1892.326	43.501	2.75	5.	20.	100.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	14	0.849	0.943	2.23	-0.301	0.316	0.563	0.199	0.699	1.301	1.854
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN = 8.771											
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	10##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025

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Annual Analysis for 1979 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	15	11.	10.2	18.	1.	31.279	5.593	2.2	4.	15.	16.8
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	11	95.	128.182	340.	59.	7346.964	85.714	59.6	62.	167.	314.8
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	12	2.56	2.667	3.46	2.35	0.111	0.334	2.356	2.38	2.853	3.34
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	2	1.	1.	1.5	0.5	0.5	0.707	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/74-12/14/89	8	15.	12.5	21.	3.	36.571	6.047	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	11	9.7	9.745	11.2	8.7	0.463	0.68	8.78	9.3	10.	11.06
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	11	0.3	0.314	0.6	0.05	0.026	0.161	0.08	0.2	0.4	0.58
00340 COD, .25N K2CR2O7 MG/L	01/24/74-04/23/81	13##	5.	5.615	13.	5.	4.923	2.219	5.	5.	5.	9.8
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.7	6.818	7.7	6.4	0.11	0.331	6.44	6.7	6.9	7.56
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.7	6.738	7.7	6.4	0.117	0.342	6.44	6.7	6.9	7.56
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	11	0.2	0.183	0.398	0.02	0.009	0.095	0.036	0.126	0.2	0.369

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Annual Analysis for 1979 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	2	6.5	6.5	6.6	6.4	0.02	0.141	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	2	6.489	6.489	6.6	6.4	0.02	0.142	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	2	0.325	0.325	0.398	0.251	0.011	0.104	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	11	5.	4.818	6.	4.	0.764	0.874	4.	4.	6.	6.
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/04/73-08/20/80	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	13	22.	23.077	37.	6.	71.91	8.48	10.	17.5	30.5	36.2
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-03/27/85	2	7.	7.	11.	3.	32.	5.657	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	07/10/79-03/27/85	2	15.5	15.5	19.	12.	24.5	4.95	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	13	3.	3.154	9.	0.5	5.933	2.435	0.5	1.	5.	7.4
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-03/27/85	2##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-03/27/85	2##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	11##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	11##	0.05	0.086	0.3	0.05	0.006	0.074	0.05	0.05	0.1	0.26
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	11	0.15	0.128	0.19	0.025	0.003	0.057	0.025	0.1	0.16	0.19
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	10##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	17	5.	11.853	104.	0.5	569.68	23.868	3.3	5.	9.	28.8
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	17	0.699	0.799	2.017	-0.301	0.184	0.428	0.421	0.699	0.954	1.203
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		6.299									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	10##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025

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Annual Analysis for 1980 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	15	9.	10.373	18.	2.	25.851	5.084	3.8	6.	15.	18.
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	14	72.	87.143	288.	30.	4536.593	67.354	31.	43.5	120.75	212.
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	14	2.435	2.47	3.31	2.12	0.101	0.318	2.13	2.238	2.693	3.035
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	8	0.65	0.775	1.3	0.5	0.099	0.315	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/74-12/14/89	9	17.	15.333	20.	5.	31.25	5.59	5.	11.	19.5	20.
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	11	9.6	9.973	13.1	8.3	2.462	1.569	8.36	8.6	11.3	12.84
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/04/73-09/19/85	3	92.2	92.	94.9	88.9	9.03	3.005	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	12	0.35	0.392	0.9	0.1	0.052	0.227	0.1	0.225	0.5	0.81
00340 COD, .25N K2CR2O7 MG/L	01/24/74-04/23/81	12##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	3	6.9	6.917	7.05	6.8	0.016	0.126	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	3	6.9	6.905	7.05	6.8	0.016	0.127	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	3	0.126	0.125	0.158	0.089	0.001	0.035	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	12	6.8	6.817	7.	6.7	0.009	0.094	6.7	6.725	6.9	6.97
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	12	6.8	6.808	7.	6.7	0.009	0.094	6.7	6.725	6.9	6.97
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	12	0.158	0.156	0.2	0.1	0.001	0.032	0.108	0.126	0.189	0.2
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	12	6.	5.75	8.	4.	1.477	1.215	4.	5.	6.75	7.7
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/04/73-08/20/80	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	3	5.	5.667	8.	4.	4.333	2.082	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	12	26.5	25.	36.	12.	59.455	7.711	12.9	17.25	31.	34.8
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-03/27/85	3	17.	18.	21.	16.	7.	2.646	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	07/10/79-03/27/85	3	10.	11.333	20.	4.	65.333	8.083	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	2.	2.125	6.	0.5	2.778	1.667	0.5	0.625	3.	5.1
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-03/27/85	3##	0.5	1.	2.	0.5	0.75	0.866	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-03/27/85	3##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	10##	0.025	0.031	0.08	0.025	0.	0.017	0.025	0.025	0.025	0.075
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	10##	0.05	0.08	0.2	0.05	0.002	0.048	0.05	0.05	0.1	0.19
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	10	0.16	0.155	0.2	0.025	0.003	0.05	0.037	0.14	0.19	0.199
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	10##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	17	3.	5.647	24.	0.5	36.961	6.08	0.5	2.	7.	16.8
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	17	0.477	0.532	1.38	-0.301	0.224	0.474	-0.301	0.301	0.841	1.217
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		3.406									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	3##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**

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Annual Analysis for 1981 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	16	10.5	10.15	18.	0.2	37.815	6.149	0.2	6.25	16.5	17.3
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	19	53.	70.842	170.	28.	1750.363	41.837	33.	39.	108.	155.
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	19	2.31	2.403	2.85	2.1	0.053	0.23	2.14	2.22	2.63	2.84
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	12##	0.5	1.042	2.	0.5	0.521	0.722	0.5	0.5	2.	2.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	4	21.	21.	23.	19.	3.333	1.826	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/74-12/14/89	7	17.	17.286	22.	13.	8.905	2.984	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	12	9.95	10.408	13.4	8.5	2.446	1.564	8.65	9.05	11.85	13.01
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/04/73-09/19/85	12	91.9	90.317	96.8	81.1	21.616	4.649	82.27	85.9	93.4	96.2
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	12	0.5	0.475	0.7	0.2	0.018	0.136	0.23	0.4	0.575	0.67
00335 COD, .025N K2CR207 MG/L	09/04/73-12/11/84	8##	5.	5.	5.	5.	0.	0.	**	**	**	**
00340 COD, .25N K2CR207 MG/L	01/24/74-04/23/81	4##	5.	5.	5.	5.	0.	0.	**	**	**	**
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.8	6.818	7.25	6.4	0.057	0.239	6.44	6.65	7.	7.2
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.8	6.76	7.25	6.4	0.061	0.247	6.44	6.65	7.	7.2
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	11	0.158	0.174	0.398	0.056	0.009	0.096	0.065	0.1	0.224	0.369
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	13	6.6	6.654	6.9	6.5	0.013	0.113	6.5	6.6	6.7	6.86
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	13	6.6	6.641	6.9	6.5	0.013	0.113	6.5	6.6	6.7	6.86
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	13	0.251	0.229	0.316	0.126	0.003	0.055	0.139	0.2	0.251	0.316
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	12	5.	5.083	7.	3.	1.356	1.165	3.3	4.	6.	6.7
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	11	5.	5.727	8.	4.	1.818	1.348	4.	5.	7.	7.8
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	12	32.	33.25	49.	15.	100.932	10.046	16.8	26.5	43.	47.8
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-03/27/85	11	15.	18.455	38.	2.	141.873	11.911	2.6	9.	26.	37.8
00510 RESIDUE, TOTAL FIXED (MG/L)	07/10/79-03/27/85	11	17.	15.955	27.	0.5	59.323	7.702	1.8	11.	20.	26.6
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	4.	3.667	8.	0.5	6.379	2.526	0.5	1.25	5.	7.7
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-03/27/85	11	3.	2.455	5.	0.5	3.573	1.89	0.5	0.5	4.	5.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-03/27/85	11	1.	1.682	8.	0.5	5.014	2.239	0.5	0.5	2.	7.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	10##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	10	0.1	0.145	0.3	0.05	0.008	0.09	0.055	0.1	0.225	0.3
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	10	0.185	0.183	0.25	0.12	0.001	0.036	0.124	0.16	0.203	0.246
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	10##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	20	10.	19.	88.	0.5	606.289	24.623	0.55	2.25	24.5	76.8
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	20	1.	0.898	1.944	-0.301	0.46	0.678	-0.271	0.345	1.389	1.87
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN = 7.91											
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	10##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025

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Annual Analysis for 1982 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	14	11.75	10.643	17.	2.	25.978	5.097	3.	6.	15.25	16.5
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	21	80.	101.952	257.	31.	3881.248	62.3	41.6	56.5	151.	219.4
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	21	2.45	2.545	3.21	2.13	0.092	0.304	2.212	2.33	2.825	3.078
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	12##	0.5	0.667	2.	0.5	0.197	0.444	0.5	0.5	0.5	1.7
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	11	15.	17.182	30.	12.	23.364	4.834	12.4	14.	19.	27.8
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	12	10.2	10.417	12.9	9.	1.771	1.331	9.03	9.3	11.5	12.63
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/04/73-09/19/85	12	92.	90.917	98.	82.	16.629	4.078	83.5	87.75	93.	96.8
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	12	0.3	0.392	0.8	0.1	0.061	0.247	0.1	0.225	0.6	0.8
00335 COD, .025N K2CR207 MG/L	09/04/73-12/11/84	12##	5.	4.583	5.	2.5	0.947	0.973	2.5	5.	5.	5.
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.7	6.655	6.9	6.4	0.035	0.186	6.4	6.5	6.8	6.9
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.7	6.619	6.9	6.4	0.036	0.19	6.4	6.5	6.8	6.9
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	11	0.2	0.241	0.398	0.126	0.01	0.102	0.126	0.158	0.316	0.398
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	12	6.65	6.625	7.	6.3	0.037	0.191	6.33	6.45	6.7	6.94
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	12	6.647	6.587	7.	6.3	0.038	0.195	6.33	6.45	6.7	6.94
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	12	0.225	0.259	0.501	0.1	0.013	0.116	0.118	0.2	0.361	0.47
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	12	5.	5.	7.	4.	0.909	0.953	4.	4.	5.75	6.7
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	11	5.	4.545	6.	3.	1.073	1.036	3.	4.	5.	6.
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	12	33.	34.333	50.	24.	57.697	7.596	24.9	29.	39.75	47.9

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Annual Analysis for 1982 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-03/27/85	12	17.5	19.75	41.	11.	71.477	8.454	11.3	13.25	24.75	36.5
00510 RESIDUE, TOTAL FIXED (MG/L)	07/10/79-03/27/85	12	13.5	14.583	23.	8.	21.356	4.621	8.3	11.25	18.25	22.4
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	3.	3.375	7.	0.5	4.142	2.035	0.65	2.	5.5	6.7
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-03/27/85	12	1.5	1.75	4.	0.5	1.568	1.252	0.5	0.5	3.	3.7
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-03/27/85	12	1.5	1.958	5.	0.5	2.93	1.712	0.5	0.5	3.	5.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	12##	0.025	0.022	0.025	0.005	0.	0.008	0.005	0.025	0.025	0.025
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	12	0.1	0.108	0.2	0.05	0.002	0.047	0.05	0.1	0.1	0.2
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	12	0.19	0.179	0.25	0.025	0.003	0.057	0.06	0.158	0.21	0.241
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	12##	0.025	0.023	0.025	0.01	0.	0.004	0.013	0.025	0.025	0.025
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	21	5.	15.714	170.	0.5	1330.489	36.476	0.6	2.	13.5	35.6
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	21	0.699	0.724	2.23	-0.301	0.378	0.615	-0.241	0.301	1.128	1.533
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		5.293									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	10##	0.025	0.025	0.025	0.025	0.	0.	0.025	0.025	0.025	0.025

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Annual Analysis for 1983 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	13	8.	9.846	19.	4.	29.266	5.41	4.	5.25	14.5	18.6
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	15	67.	105.733	381.	28.	8814.924	93.888	29.2	40.	140.	282.
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	15	2.4	2.537	3.57	2.1	0.171	0.413	2.112	2.15	2.78	3.27
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	12##	0.5	0.625	1.3	0.5	0.086	0.293	0.5	0.5	0.5	1.27
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	12	21.5	20.167	32.	7.	63.606	7.975	7.9	12.5	26.	31.1
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	12	10.2	10.5	12.5	8.4	1.938	1.392	8.49	9.5	12.	12.41
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/04/73-09/19/85	11	92.	91.545	96.	85.	12.673	3.56	85.2	89.	94.	95.8
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	12	0.2	0.267	0.7	0.05	0.047	0.218	0.05	0.1	0.45	0.67
00335 COD, .025N K2CR2O7 MG/L	09/04/73-12/11/84	12##	2.5	2.792	6.	2.5	1.021	1.01	2.5	2.5	2.5	4.95
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.8	6.736	7.	6.5	0.025	0.157	6.5	6.6	6.8	6.98
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.8	6.71	7.	6.5	0.025	0.159	6.5	6.6	6.8	6.98
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	11	0.158	0.195	0.316	0.1	0.005	0.072	0.105	0.158	0.251	0.316
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	12	6.7	6.708	6.9	6.5	0.019	0.138	6.5	6.6	6.8	6.9
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	12	6.7	6.688	6.9	6.5	0.019	0.14	6.5	6.6	6.8	6.9
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	12	0.2	0.205	0.316	0.126	0.004	0.066	0.126	0.158	0.251	0.316
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	12	5.5	5.25	7.	4.	1.114	1.055	4.	4.	6.	6.7
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	11	5.	4.818	8.	3.	1.764	1.328	3.2	4.	5.	7.6
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	12	28.	27.667	36.	18.	36.606	6.05	18.6	21.75	33.5	35.7
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-03/27/85	12	14.5	12.625	21.	0.5	42.778	6.541	1.25	7.25	17.75	20.4
00510 RESIDUE, TOTAL FIXED (MG/L)	07/10/79-03/27/85	12	14.5	15.083	20.	11.	10.447	3.232	11.	12.	18.	19.7
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	1.5	1.542	3.	0.5	0.839	0.916	0.5	0.625	2.	3.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-03/27/85	12	1.	1.292	3.	0.5	0.748	0.865	0.5	0.5	2.	2.7
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-03/27/85	12##	0.5	0.75	3.	0.5	0.523	0.723	0.5	0.5	0.5	2.4
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	12	0.01	0.01	0.02	0.005	0.	0.005	0.005	0.006	0.01	0.02
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	12##	0.05	0.092	0.3	0.05	0.006	0.079	0.05	0.05	0.1	0.27
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	12	0.155	0.147	0.24	0.03	0.003	0.056	0.045	0.12	0.185	0.228
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	12	0.02	0.018	0.03	0.01	0.	0.006	0.01	0.01	0.02	0.027
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	4	4.	3.5	4.	2.	1.	1.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	02/24/83-12/19/90	10##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	10##	75.	95.	200.	50.	3583.333	59.861	50.	50.	125.	200.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	15	5.	8.3	40.	0.5	115.886	10.765	0.5	1.	10.	31.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	15	0.699	0.593	1.602	-0.301	0.361	0.601	-0.301	0.	1.	1.48
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		3.916									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	12##	0.005	0.007	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01

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Annual Analysis for 1984 - Station GRSM0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/04/73-12/05/94	12	8.5	9.583	16.	4.	27.174	5.213	4.	4.25	15.	16.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/01/75-09/07/93	17	77.	179.588	1550.	34.	127165.257	356.602	38.	52.5	158.	447.6
00065 STAGE, STREAM (FEET)		01/24/74-09/07/93	17	2.42	2.652	5.29	2.16	0.516	0.718	2.192	2.295	2.775	3.322
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		10/04/73-12/05/94	13##	0.5	1.038	5.8	0.3	2.201	1.484	0.38	0.5	0.8	4.2
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		05/28/81-12/05/94	11	24.	22.091	27.	14.	22.691	4.763	14.	18.	26.	27.
00300p OXYGEN, DISSOLVED	MG/L	09/04/73-12/05/94	12	10.65	10.65	12.6	8.9	1.737	1.318	8.96	9.3	11.9	12.45
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	09/04/73-09/19/85	6	91.	90.833	95.	87.	7.367	2.714	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	09/04/73-06/26/91	12	0.4	0.442	0.7	0.2	0.03	0.173	0.23	0.3	0.65	0.7
00335 COD, .025N K2CR2O7	MG/L	09/04/73-12/11/84	12##	2.5	2.875	7.	2.5	1.688	1.299	2.5	2.5	2.5	5.65
00400p PH (STANDARD UNITS)		09/04/73-12/05/94	12	6.8	6.808	7.1	6.5	0.035	0.188	6.53	6.7	6.975	7.1
00400p CONVERTED PH (STANDARD UNITS)		09/04/73-12/05/94	12	6.8	6.772	7.1	6.5	0.037	0.192	6.53	6.7	6.975	7.1
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/04/73-12/05/94	12	0.158	0.169	0.316	0.079	0.005	0.07	0.079	0.106	0.2	0.297
00403 PH, LAB, STANDARD UNITS	SU	11/28/79-12/05/94	12	6.7	6.725	7.	6.6	0.013	0.114	6.6	6.625	6.8	6.94
00403 CONVERTED PH, LAB, STANDARD UNITS		11/28/79-12/05/94	12	6.7	6.712	7.	6.6	0.013	0.115	6.6	6.625	6.8	6.94
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/28/79-12/05/94	12	0.2	0.194	0.251	0.1	0.002	0.045	0.118	0.158	0.238	0.251
00410p ALKALINITY, TOTAL (MG/L AS CACO3)		09/04/73-06/26/91	12	5.	5.25	7.	4.	0.75	0.866	4.3	5.	5.	7.
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)		06/27/80-10/25/93	12	4.	3.917	5.	2.	0.811	0.9	2.3	3.25	4.75	5.
00500 RESIDUE, TOTAL (MG/L)		05/26/76-01/22/92	13	24.	24.462	40.	6.	146.269	12.094	6.8	11.	35.5	39.2
00505 RESIDUE, TOTAL VOLATILE (MG/L)		07/10/79-03/27/85	13	11.	12.423	26.	0.5	86.577	9.305	0.7	3.	21.	25.6
00510 RESIDUE, TOTAL FIXED (MG/L)		07/10/79-03/27/85	13	11.	12.077	23.	4.	43.077	6.563	4.4	6.	19.	22.2
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/26/76-12/05/94	13##	0.5	0.846	3.	0.5	0.599	0.774	0.5	0.5	0.75	2.6
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)		07/10/79-03/27/85	13##	0.5	0.846	3.	0.5	0.599	0.774	0.5	0.5	0.75	2.6
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)		07/10/79-03/27/85	13##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/26/76-11/07/94	13	0.02	0.023	0.06	0.005	0.	0.015	0.007	0.01	0.03	0.052
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/26/76-11/07/94	13	0.1	0.112	0.4	0.005	0.011	0.104	0.023	0.05	0.15	0.32
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/26/76-11/07/94	13	0.15	0.136	0.23	0.005	0.005	0.069	0.005	0.105	0.17	0.226
00665p PHOSPHORUS, TOTAL (MG/L AS P)		05/26/76-11/07/94	13	0.01	0.015	0.03	0.01	0.	0.007	0.01	0.01	0.02	0.026
00900 HARDNESS, TOTAL (MG/L AS CACO3)		02/24/83-12/05/94	5	2.	3.	5.	2.	2.	1.414	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		02/24/83-12/19/90	11##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01105 ALUMINUM, TOTAL (UG/L AS AL)		02/24/83-11/07/94	10##	50.	70.	200.	50.	2333.333	48.305	50.	50.	62.5	190.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/04/73-12/05/94	17	17.	30.971	320.	0.5	5643.515	75.123	0.9	3.5	20.	88.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/04/73-12/05/94	17	1.23	0.983	2.505	-0.301	0.434	0.659	-0.06	0.54	1.301	1.683
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		9.611									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/09/77-09/25/91	13##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station GRSM0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/04/73-12/05/94	13	13.	10.615	18.5	0.	32.298	5.683	1.6	6.	14.5	18.3
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/01/75-09/07/93	14	66.	83.286	282.	26.	4357.912	66.014	28.5	40.75	98.25	213.
00065 STAGE, STREAM (FEET)		01/24/74-09/07/93	14	2.44	2.439	3.22	2.08	0.086	0.294	2.1	2.22	2.553	2.965
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		10/04/73-12/05/94	5##	0.5	1.12	3.6	0.5	1.922	1.386	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		05/28/81-12/05/94	12	19.5	18.75	25.	13.	15.114	3.888	13.	15.	21.75	24.1
00300p OXYGEN, DISSOLVED	MG/L	09/04/73-12/05/94	12	10.15	10.167	12.9	8.2	2.055	1.434	8.26	8.85	11.125	12.63
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	09/04/73-09/19/85	6	88.5	89.833	97.	85.	19.367	4.401	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	09/04/73-06/26/91	6	0.5	0.467	0.6	0.3	0.011	0.103	**	**	**	**
00400p PH (STANDARD UNITS)		09/04/73-12/05/94	11	6.7	6.764	7.1	6.3	0.053	0.229	6.36	6.6	7.	7.08
00400p CONVERTED PH (STANDARD UNITS)		09/04/73-12/05/94	11	6.7	6.706	7.1	6.3	0.056	0.237	6.36	6.6	7.	7.08
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/04/73-12/05/94	11	0.2	0.197	0.501	0.079	0.014	0.117	0.084	0.1	0.251	0.451
00403 PH, LAB, STANDARD UNITS	SU	11/28/79-12/05/94	12	6.7	6.717	7.	6.6	0.014	0.119	6.6	6.6	6.8	6.94
00403 CONVERTED PH, LAB, STANDARD UNITS		11/28/79-12/05/94	12	6.7	6.703	7.	6.6	0.014	0.12	6.6	6.6	6.8	6.94
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/28/79-12/05/94	12	0.2	0.198	0.251	0.1	0.002	0.048	0.118	0.158	0.251	0.251
00410p ALKALINITY, TOTAL (MG/L AS CACO3)		09/04/73-06/26/91	12	5.	5.417	7.	4.	0.992	0.996	4.	5.	6.	7.
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)		06/27/80-10/25/93	11	5.	5.182	7.	4.	1.364	1.168	4.	4.	6.	7.
00500 RESIDUE, TOTAL (MG/L)		05/26/76-01/22/92	12	30.5	36.417	80.	22.	265.174	16.284	22.3	25.5	45.25	70.4

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Annual Analysis for 1985 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-03/27/85	3	21.	20.	24.	15.	21.	4.583	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	07/10/79-03/27/85	3	9.	9.	14.	4.	25.	5.	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	2.	2.5	6.	0.5	3.136	1.771	0.5	1.	3.75	5.7
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-03/27/85	3##	0.5	1.	2.	0.5	0.75	0.866	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-03/27/85	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	12	0.01	0.015	0.04	0.005	0.	0.009	0.007	0.01	0.02	0.034
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	12	0.15	0.134	0.2	0.005	0.005	0.074	0.019	0.063	0.2	0.2
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	12	0.145	0.164	0.26	0.02	0.004	0.065	0.053	0.14	0.213	0.26
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	12	0.02	0.02	0.04	0.005	0.	0.01	0.007	0.01	0.028	0.037
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	12	4.	4.25	7.	3.	1.295	1.138	3.	3.25	5.	6.4
00945 SULFATE, TOTAL (MG/L AS SO4)	02/24/83-12/19/90	12##	2.5	3.292	12.	2.5	7.521	2.742	2.5	2.5	2.5	9.15
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	12	100.	104.167	200.	50.	3844.697	62.006	50.	50.	175.	200.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	16	5.5	11.063	60.	0.5	219.229	14.806	0.5	2.5	13.75	35.5
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	16	0.739	0.733	1.778	-0.301	0.341	0.584	-0.301	0.376	1.132	1.512
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN = 5.411											
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	12##	0.01	0.011	0.05	0.005	0.	0.012	0.005	0.005	0.01	0.038

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Annual Analysis for 1986 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	11	14.	12.	18.	3.	27.4	5.235	3.4	7.	16.	18.
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	11	44.	50.545	104.	24.	928.273	30.468	24.	25.	84.	102.8
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	11	2.24	2.255	2.61	2.04	0.046	0.215	2.042	2.06	2.5	2.604
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	4##	0.5	0.575	1.	0.3	0.089	0.299	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	8	18.5	18.25	25.	10.	39.643	6.296	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/74-12/14/89	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	11	9.7	9.936	11.8	8.3	1.327	1.152	8.38	8.9	10.8	11.76
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	4	0.5	0.65	1.2	0.4	0.137	0.37	**	**	**	**
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.7	6.809	7.2	6.5	0.061	0.247	6.52	6.6	7.	7.2
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.7	6.752	7.2	6.5	0.064	0.254	6.52	6.6	7.	7.2
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	11	0.2	0.177	0.316	0.063	0.007	0.086	0.063	0.1	0.251	0.303
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	11	6.7	6.718	6.9	6.6	0.008	0.087	6.6	6.7	6.8	6.88
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	11	6.7	6.71	6.9	6.6	0.008	0.088	6.6	6.7	6.8	6.88
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	11	0.2	0.195	0.251	0.126	0.001	0.037	0.132	0.158	0.2	0.251
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	11	6.	5.727	7.	4.	1.218	1.104	4.	5.	7.	7.
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	8	7.	6.5	9.	4.	4.857	2.204	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	11	31.	26.636	42.	5.	130.255	11.413	7.	15.	36.	41.
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	11	1.	2.045	8.	0.5	5.773	2.403	0.5	0.5	3.	7.4
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	9	0.03	0.024	0.04	0.01	0.	0.01	0.01	0.015	0.03	0.04
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	9	0.1	0.117	0.2	0.05	0.003	0.05	0.05	0.1	0.15	0.2
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	9	0.14	0.17	0.27	0.12	0.003	0.051	0.12	0.135	0.205	0.27
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	9	0.02	0.017	0.03	0.01	0.	0.007	0.01	0.01	0.02	0.03
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	9	5.	4.778	6.	3.	0.944	0.972	3.	4.	5.5	6.
00945 SULFATE, TOTAL (MG/L AS SO4)	02/24/83-12/19/90	9##	2.5	2.778	5.	2.5	0.694	0.833	2.5	2.5	2.5	5.
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	10	50.	60.5	150.	25.	1574.722	39.683	25.	25.	85.	145.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	14	5.5	6.321	20.	0.5	26.062	5.105	0.75	2.	9.25	15.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	14	0.739	0.64	1.301	-0.301	0.191	0.437	-0.151	0.301	0.966	1.151
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN = 4.364											
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	9	0.01	0.009	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02

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Annual Analysis for 1987 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	4	10.	9.75	16.	3.	44.917	6.702	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	3	72.	59.	80.	25.	883.	29.715	**	**	**	**
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	3	2.43	2.337	2.48	2.1	0.043	0.206	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	4##	0.5	0.388	0.5	0.05	0.051	0.225	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	4	22.	21.5	25.	17.	13.667	3.697	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	4	10.15	10.35	12.1	9.	2.137	1.462	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	4	0.5	0.525	0.7	0.4	0.022	0.15	**	**	**	**
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	3	6.7	6.667	6.7	6.6	0.003	0.058	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	3	6.7	6.664	6.7	6.6	0.003	0.058	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	3	0.2	0.217	0.251	0.2	0.001	0.03	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	4	6.8	6.775	6.8	6.7	0.002	0.05	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	4	6.8	6.773	6.8	6.7	0.003	0.05	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	4	0.158	0.169	0.2	0.158	0.	0.021	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	4	5.	5.25	7.	4.	1.583	1.258	**	**	**	**
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	2	6.	6.	6.	6.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	4	34.5	35.	41.	30.	28.667	5.354	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	4	2.5	2.375	4.	0.5	2.229	1.493	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	3	0.03	0.03	0.04	0.02	0.	0.01	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	3	0.1	0.133	0.2	0.1	0.003	0.058	**	**	**	**
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	3	0.16	0.157	0.16	0.15	0.	0.006	**	**	**	**
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	3	0.03	0.027	0.04	0.01	0.	0.015	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	4	5.5	6.	8.	5.	2.	1.414	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	02/24/83-12/19/90	4##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	2	125.	125.	150.	100.	1250.	35.355	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	7	10.	12.071	32.	0.5	106.369	10.314	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	7	1.	0.872	1.505	-0.301	0.333	0.577	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN = 7.444											
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	3##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**

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Annual Analysis for 1988 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	4	7.	9.	20.	2.	70.	8.367	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	2	35.5	35.5	39.	32.	24.5	4.95	**	**	**	**
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	2	2.14	2.14	2.18	2.1	0.003	0.057	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	4##	0.9	0.9	1.3	0.5	0.213	0.462	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	4	21.5	23.5	38.	13.	137.667	11.733	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	4	11.15	11.3	13.3	9.6	3.047	1.745	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	4	0.25	0.35	0.7	0.2	0.057	0.238	**	**	**	**
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	4	6.55	6.55	6.8	6.3	0.057	0.238	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	4	6.525	6.503	6.8	6.3	0.06	0.244	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	4	0.299	0.314	0.501	0.158	0.026	0.163	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	4	6.65	6.7	6.9	6.6	0.02	0.141	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	4	6.647	6.684	6.9	6.6	0.02	0.143	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	4	0.225	0.207	0.251	0.126	0.004	0.059	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	4	5.5	5.25	6.	4.	0.917	0.957	**	**	**	**
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	4	5.	4.75	6.	3.	1.583	1.258	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	4	29.	27.	32.	18.	40.667	6.377	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	4	1.5	1.625	3.	0.5	1.229	1.109	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	3	0.02	0.017	0.02	0.01	0.	0.006	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	3##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	3	0.17	0.18	0.24	0.13	0.003	0.056	**	**	**	**
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	3	0.02	0.017	0.02	0.01	0.	0.006	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	4	5.	5.25	7.	4.	1.583	1.258	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	02/24/83-12/19/90	4##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	3##	25.	33.333	50.	25.	208.333	14.434	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	8##	3.	3.	6.	0.5	5.071	2.252	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	8##	0.452	0.31	0.778	-0.301	0.207	0.455	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		2.04									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	3	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**

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Annual Analysis for 1989 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	5	12.	9.3	16.	2.5	37.95	6.16	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	5	141.	207.4	420.	64.	19855.8	140.911	**	**	**	**
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	5	2.73	2.906	3.55	2.35	0.216	0.465	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	5	1.5	1.6	4.	0.5	2.05	1.432	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	4	14.	15.	20.	12.	12.	3.464	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/74-12/14/89	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	5	10.	10.44	12.2	9.	2.063	1.436	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	4	0.4	0.488	1.1	0.05	0.201	0.448	**	**	**	**
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	5	6.9	6.978	7.59	6.6	0.179	0.423	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	5	6.9	6.843	7.59	6.6	0.202	0.449	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	5	0.126	0.143	0.251	0.026	0.011	0.105	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	1	0.316	0.316	0.316	0.316	0.	0.	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	4	6.	6.5	9.	5.	3.667	1.915	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	5	32.	31.	36.	26.	19.	4.359	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	5	3.	3.6	7.	1.	4.8	2.191	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	5	5.	4.8	8.	2.	5.7	2.387	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	02/24/83-12/19/90	4##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	4	69.5	108.5	270.	25.	12285.667	110.841	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	4	48.	43.25	74.	3.	1164.25	34.121	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	4	1.635	1.404	1.869	0.477	0.422	0.649	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		25.36									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

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Annual Analysis for 1990 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	4	12.	11.	14.	6.	14.667	3.83	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	4	105.	105.25	177.	34.	4818.917	69.418	**	**	**	**
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	4	2.545	2.523	2.87	2.13	0.126	0.355	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	4##	0.75	0.75	1.	0.5	0.083	0.289	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	4	12.5	13.25	18.	10.	11.583	3.403	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	4	10.1	10.025	10.8	9.1	0.656	0.81	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	4	0.25	0.225	0.3	0.1	0.009	0.096	**	**	**	**
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	4	6.8	6.775	6.9	6.6	0.016	0.126	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	4	6.8	6.761	6.9	6.6	0.016	0.127	**	**	**	**

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Annual Analysis for 1990 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	4	0.158	0.174	0.251	0.126	0.003	0.054	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	4	6.5	6.25	7.	5.	0.917	0.957	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	4	28.5	29.75	40.	22.	69.583	8.342	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	4	2.5	2.5	3.	2.	0.333	0.577	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	4	5.	4.75	6.	3.	1.583	1.258	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	02/24/83-12/19/90	2##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	2##	40.	40.	55.	25.	450.	21.213	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	2	0.239	0.239	0.477	0.	0.114	0.337	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		1.732									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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Annual Analysis for 1991 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	4	12.5	11.25	14.	6.	14.25	3.775	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	5	1.5	1.6	3.	0.5	1.3	1.14	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	4	21.5	19.75	24.	12.	28.25	5.315	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	4	9.5	9.75	11.3	8.7	1.45	1.204	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	4	6.85	6.85	7.	6.7	0.017	0.129	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	4	6.847	6.836	7.	6.7	0.017	0.13	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	4	0.142	0.146	0.2	0.1	0.002	0.043	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	2	6.75	6.75	6.8	6.7	0.005	0.071	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	2	6.747	6.747	6.8	6.7	0.005	0.071	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	2	0.179	0.179	0.2	0.158	0.001	0.029	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	4	6.	6.25	7.	6.	0.25	0.5	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	5##	0.5	3.3	13.	0.5	29.825	5.461	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	5	0.02	0.016	0.02	0.01	0.	0.005	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	5	0.2	0.15	0.2	0.05	0.005	0.071	**	**	**	**
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	5	0.08	0.079	0.15	0.005	0.003	0.059	**	**	**	**
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	5	0.01	0.014	0.03	0.01	0.	0.009	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	5	4.	3.8	6.	2.	2.2	1.483	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	5	71.	105.8	250.	25.	7976.7	89.312	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	8	3.5	8.188	22.	0.5	87.781	9.369	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	8	0.5	0.488	1.342	-0.301	0.544	0.737	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		3.079									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	2##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

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Annual Analysis for 1992 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	12	11.5	10.75	18.	4.	25.841	5.083	4.	5.5	15.	17.7
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	13	83.	109.077	257.	49.	3931.244	62.7	55.4	72.	134.	239.
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	13	2.51	2.602	3.17	2.29	0.067	0.258	2.334	2.45	2.745	3.11
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	12##	0.5	0.85	2.	0.5	0.305	0.552	0.5	0.5	1.275	1.91
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	12	18.5	19.083	25.	14.	19.72	4.441	14.	14.25	23.75	25.
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	11	9.8	9.827	11.7	8.	1.194	1.093	8.14	9.	10.3	11.64
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	12	6.3	6.517	7.4	6.	0.245	0.495	6.	6.125	7.025	7.34
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	12	6.289	6.325	7.4	6.	0.285	0.534	6.	6.125	7.025	7.34
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	12	0.515	0.473	1.	0.04	0.127	0.356	0.047	0.099	0.753	1.
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	12	3.5	4.333	9.	2.	6.242	2.498	2.	2.	6.5	8.7
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	1.5	1.958	7.	0.5	3.839	1.959	0.5	0.5	2.75	6.1
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	12	0.02	0.023	0.05	0.005	0.	0.015	0.005	0.01	0.038	0.047
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	12	0.2	0.167	0.3	0.05	0.007	0.086	0.05	0.1	0.2	0.3
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	12	0.16	0.151	0.21	0.005	0.003	0.056	0.04	0.13	0.195	0.21
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	12	0.01	0.017	0.05	0.005	0.	0.013	0.005	0.01	0.02	0.044
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	12	4.	4.75	12.	2.	7.477	2.734	2.	3.	5.75	10.5
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	12##	25.	54.167	210.	25.	3109.424	55.762	25.	25.	78.	177.
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	15##	0.5	6.	60.	0.5	233.	15.264	0.5	0.5	3.	30.6
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	15##	-0.301	0.14	1.778	-0.301	0.415	0.644	-0.301	-0.301	0.477	1.336
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		1.379									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	10	13.	12.3	19.	3.	35.122	5.926	3.	6.75	17.25	18.9
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	8	73.	104.75	223.	44.	4869.357	69.781	**	**	**	**
00065 STAGE, STREAM (FEET)	01/24/74-09/07/93	8	2.455	2.581	3.09	2.27	0.109	0.329	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	10##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	10	16.5	17.	21.	14.	5.111	2.261	14.1	15.	18.5	20.9
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	10	9.35	9.57	11.4	8.3	1.222	1.106	8.31	8.7	10.675	11.38
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	10	6.7	6.77	7.1	6.6	0.031	0.177	6.6	6.6	6.925	7.09
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	10	6.7	6.741	7.1	6.6	0.032	0.179	6.6	6.6	6.925	7.09
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	10	0.2	0.182	0.251	0.079	0.004	0.063	0.081	0.119	0.251	0.251
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	9	5.	5.333	7.	3.	1.5	1.225	3.	5.	6.5	7.
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	10	2.	2.05	4.	0.5	1.969	1.403	0.5	0.5	3.25	4.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	10	0.025	0.028	0.06	0.005	0.	0.017	0.006	0.018	0.035	0.059
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	10	0.15	0.19	0.6	0.05	0.027	0.165	0.05	0.088	0.225	0.57
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	10	0.16	0.145	0.21	0.03	0.003	0.058	0.033	0.12	0.183	0.208
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	10	0.035	0.033	0.06	0.005	0.	0.017	0.006	0.018	0.043	0.059
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	10	5.5	5.	7.	2.	2.444	1.563	2.1	3.75	6.	6.9
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	10##	25.	42.4	97.	25.	819.6	28.629	25.	25.	74.5	95.2
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	12##	0.5	0.917	5.	0.5	1.674	1.294	0.5	0.5	0.5	3.8
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	12##	-0.301	-0.193	0.699	-0.301	0.086	0.294	-0.301	-0.301	-0.301	0.489
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		0.642									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	11	12.	11.727	18.	1.	20.018	4.474	2.4	10.	15.	17.4
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	11##	0.5	0.636	1.4	0.5	0.097	0.311	0.5	0.5	0.5	1.34

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

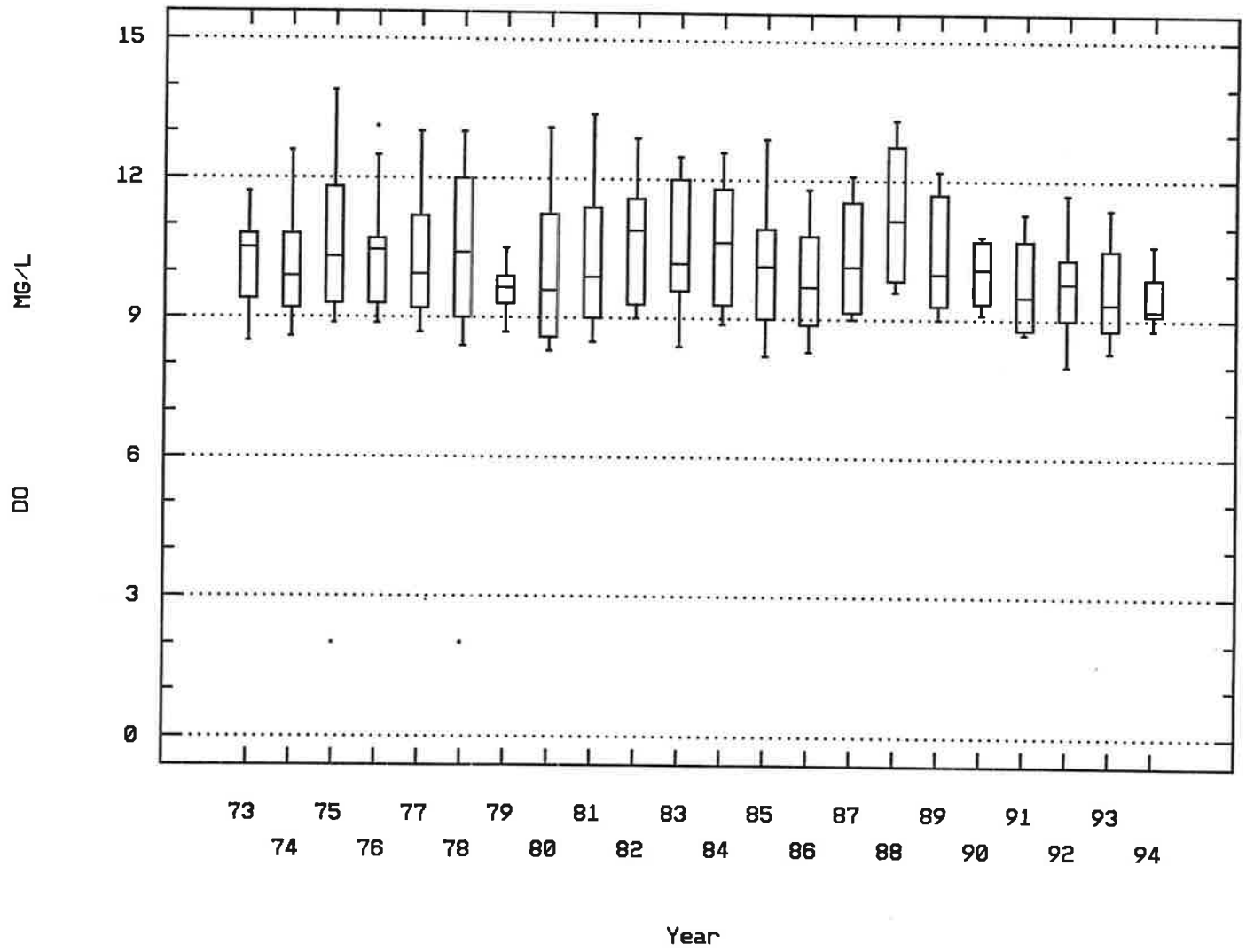
Annual Analysis for 1994 - Station GRSM0185

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	11	13.	13.545	19.	6.	10.273	3.205	7.2	13.	16.	18.4
00300p OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	11	9.2	9.473	10.6	8.8	0.27	0.52	8.86	9.1	9.9	10.48
00400p PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.4	6.518	7.3	6.	0.226	0.475	6.	6.1	7.	7.3
00400p CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	11	6.4	6.342	7.3	6.	0.26	0.51	6.	6.1	7.	7.3
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	11	0.398	0.455	1.	0.05	0.119	0.346	0.05	0.1	0.794	1.
00403 PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	11	1.	1.455	4.	0.5	1.173	1.083	0.5	0.5	2.	3.6
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	10	0.03	0.032	0.08	0.005	0.001	0.023	0.005	0.009	0.043	0.077
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	10	0.15	0.145	0.2	0.05	0.004	0.06	0.055	0.1	0.2	0.2
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	10	0.135	0.12	0.22	0.01	0.005	0.073	0.01	0.055	0.173	0.219
00665p PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	10	0.01	0.017	0.05	0.005	0.	0.014	0.005	0.009	0.023	0.048
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	11	6.	6.091	8.	5.	0.691	0.831	5.	6.	6.	7.8
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	10##	25.	40.6	110.	25.	836.933	28.93	25.	25.	55.25	106.1
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	13##	0.5	0.962	4.	0.5	1.311	1.145	0.5	0.5	0.5	3.6
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	13##	-0.301	-0.172	0.602	-0.301	0.1	0.317	-0.301	-0.301	-0.301	0.552
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		0.673									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GRSM0185 Parameter Code: 00300

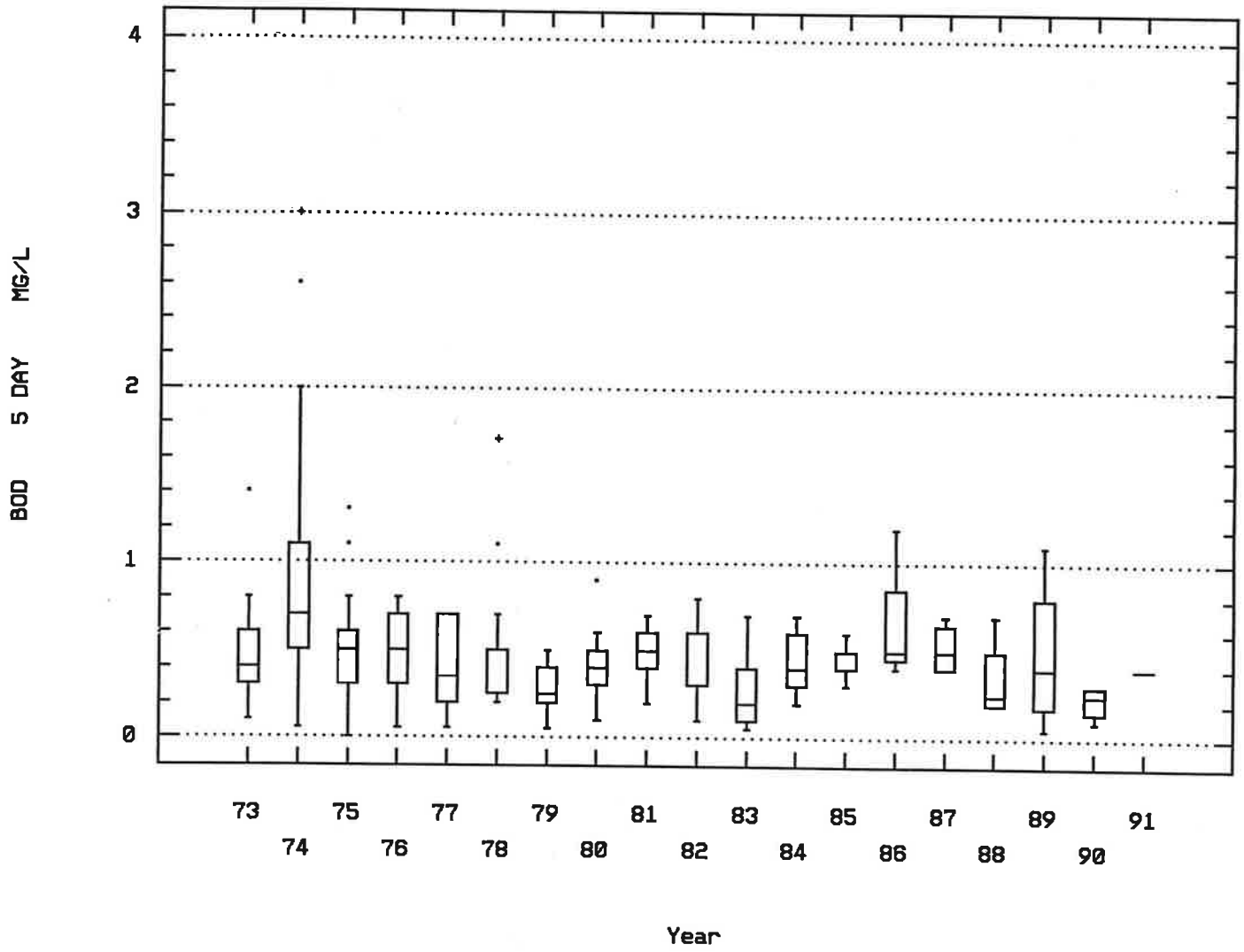
OXYGEN, DISSOLVED



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 00310

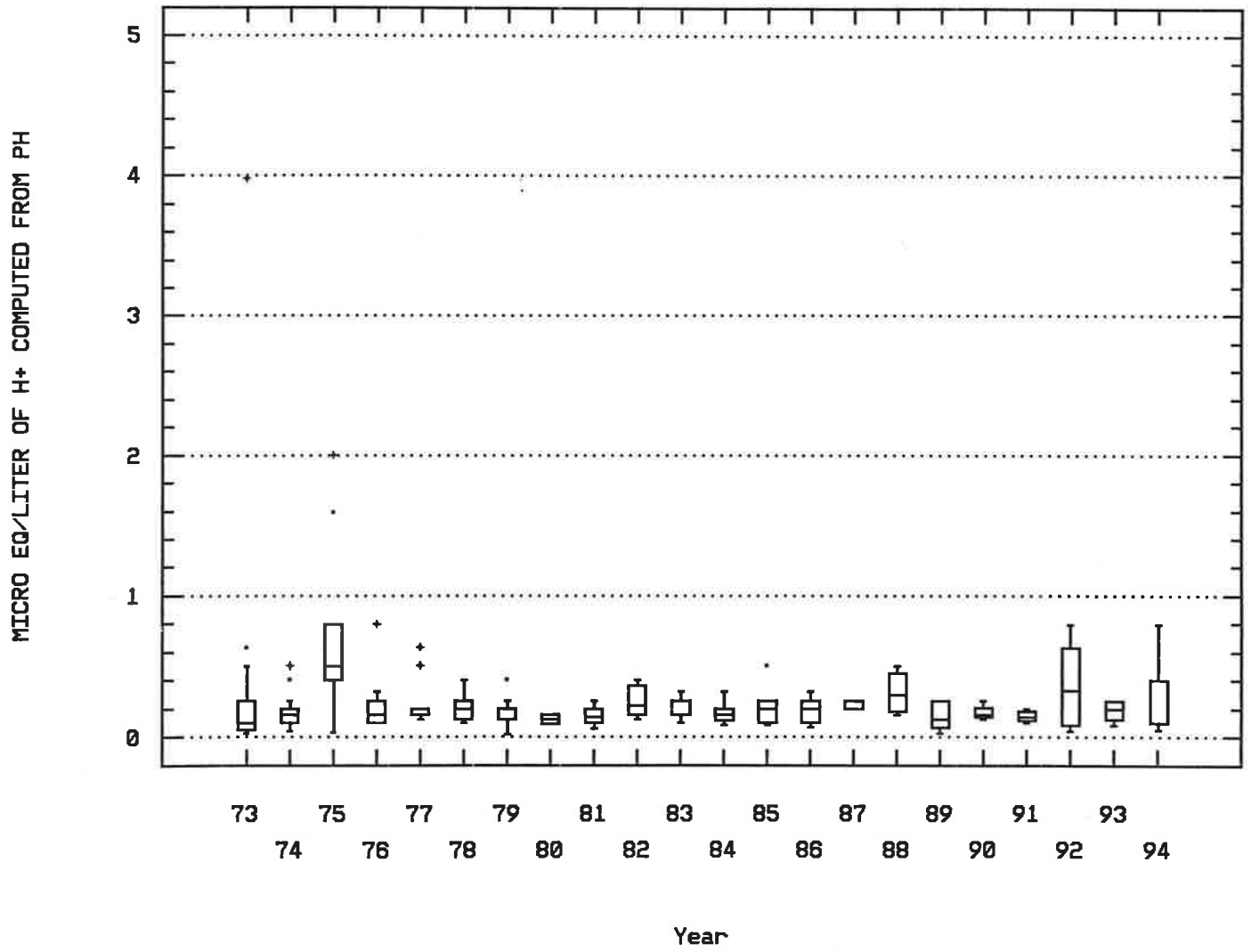
BOD, 5 DAY, 20 DEG C



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 00400

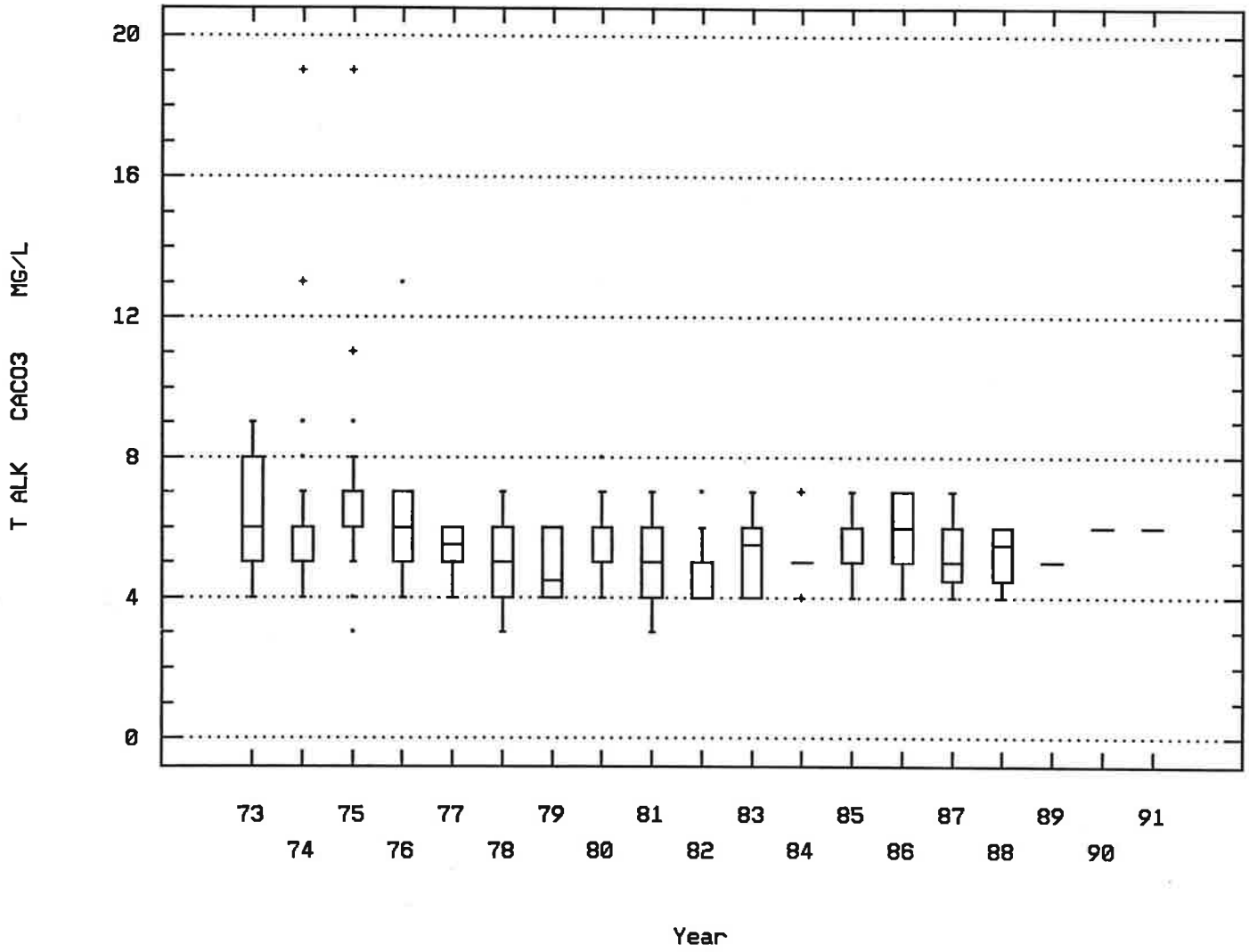
MICRO EQ/LITER OF H+ COMPUTED FROM PH



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 00410

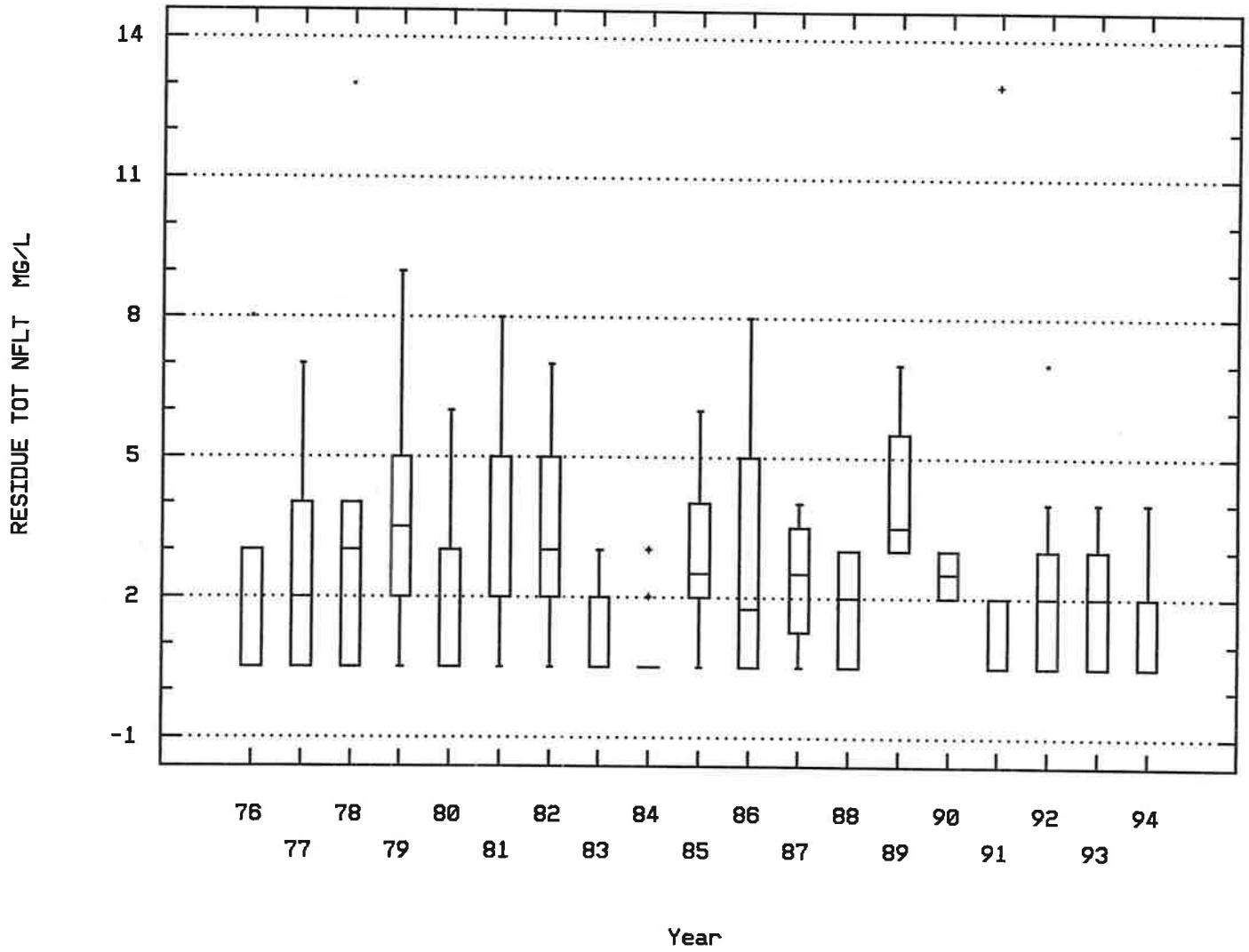
ALKALINITY, TOTAL (MG/L AS CACO3)



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 00530

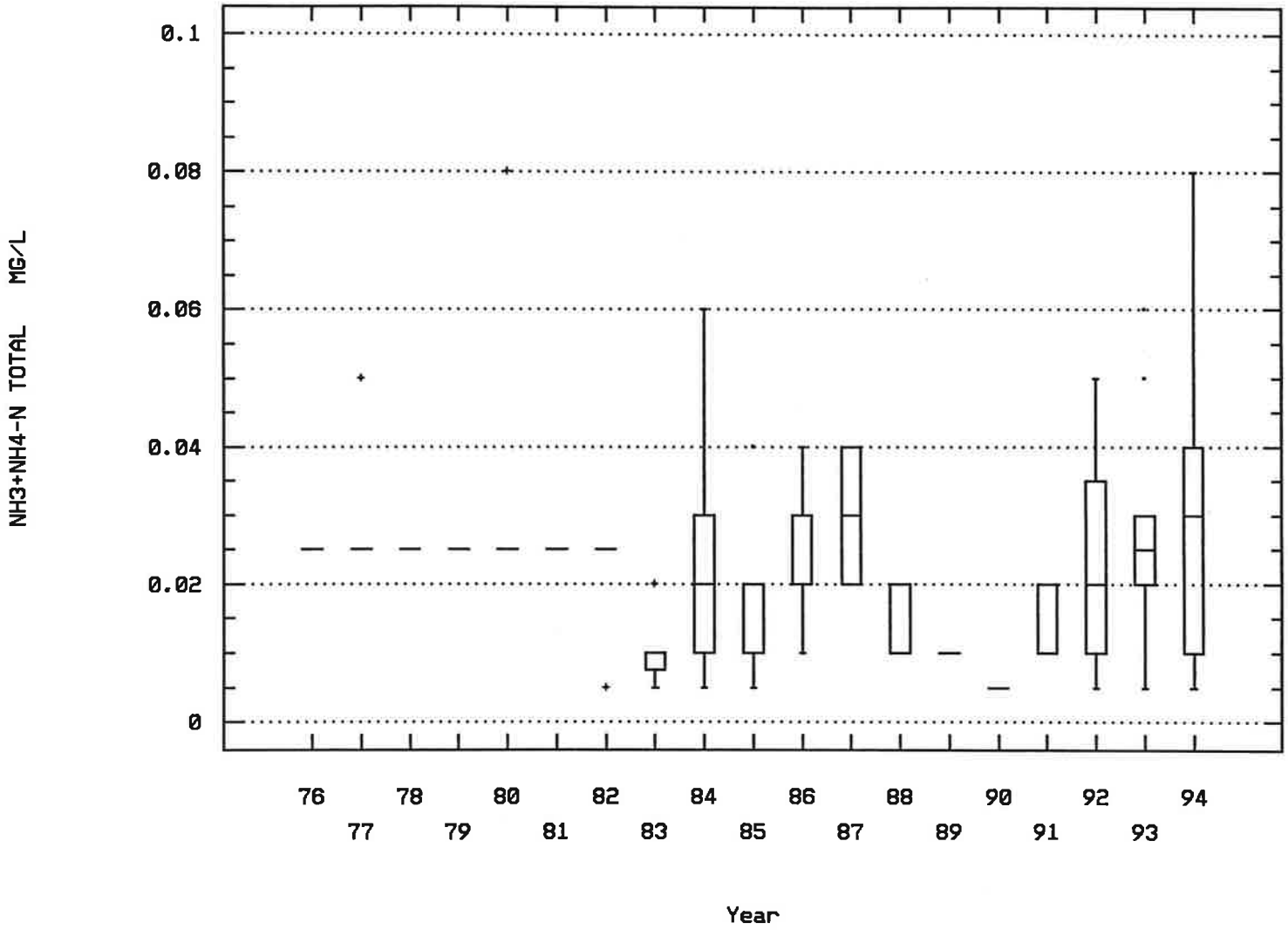
RESIDUE, TOTAL NONFILTRABLE (MG/L)



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 00610

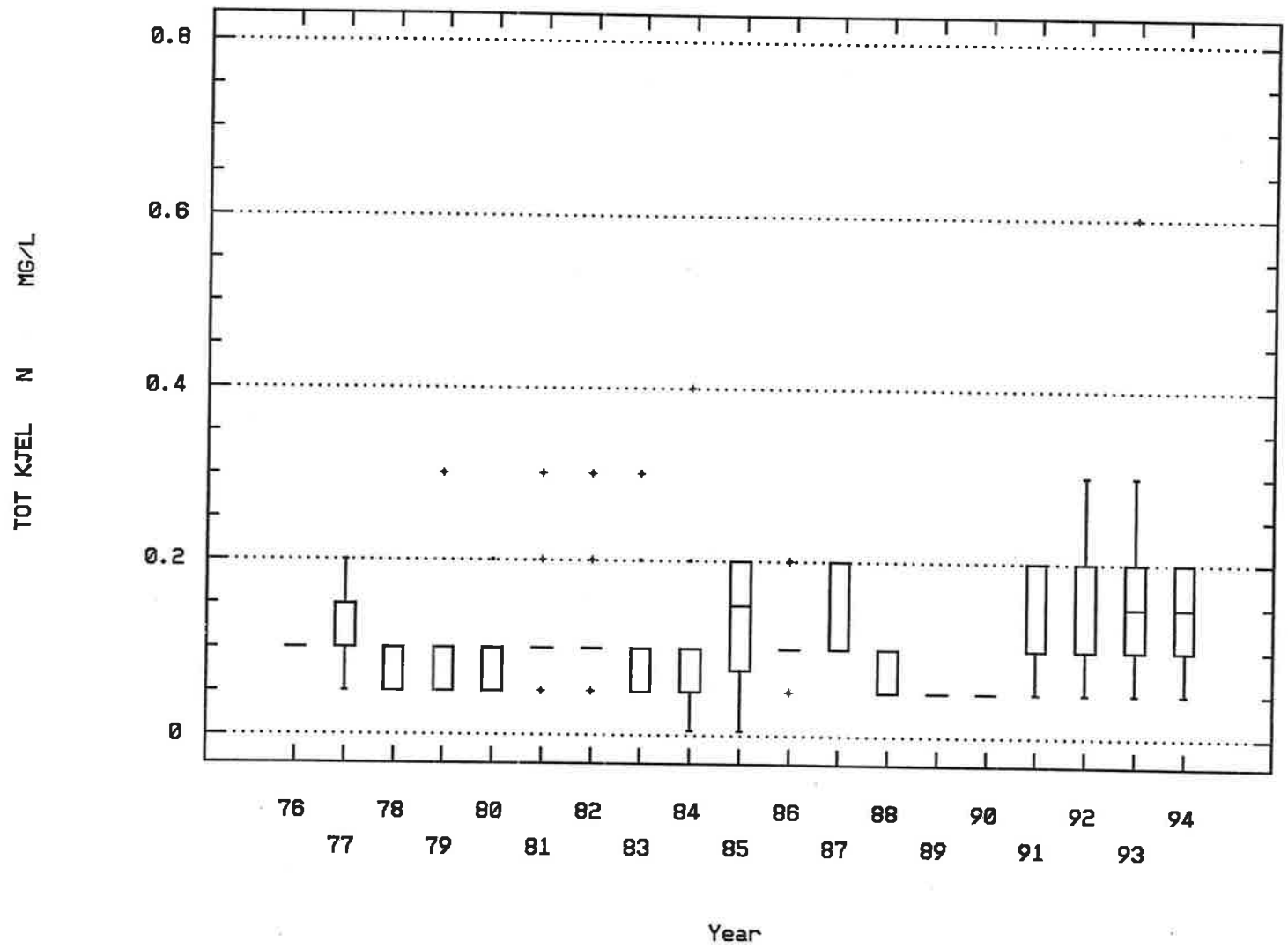
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 00625

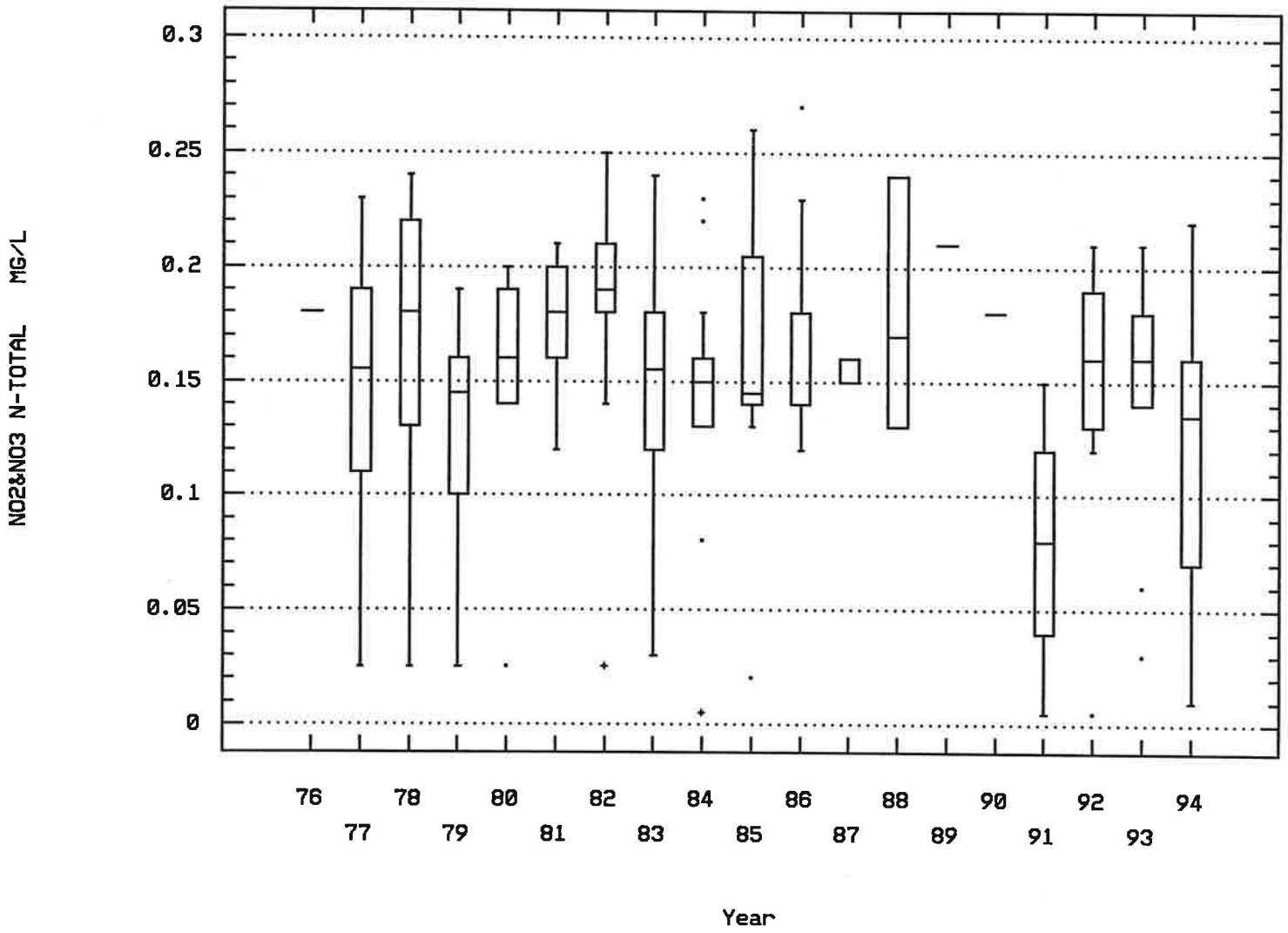
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 00630

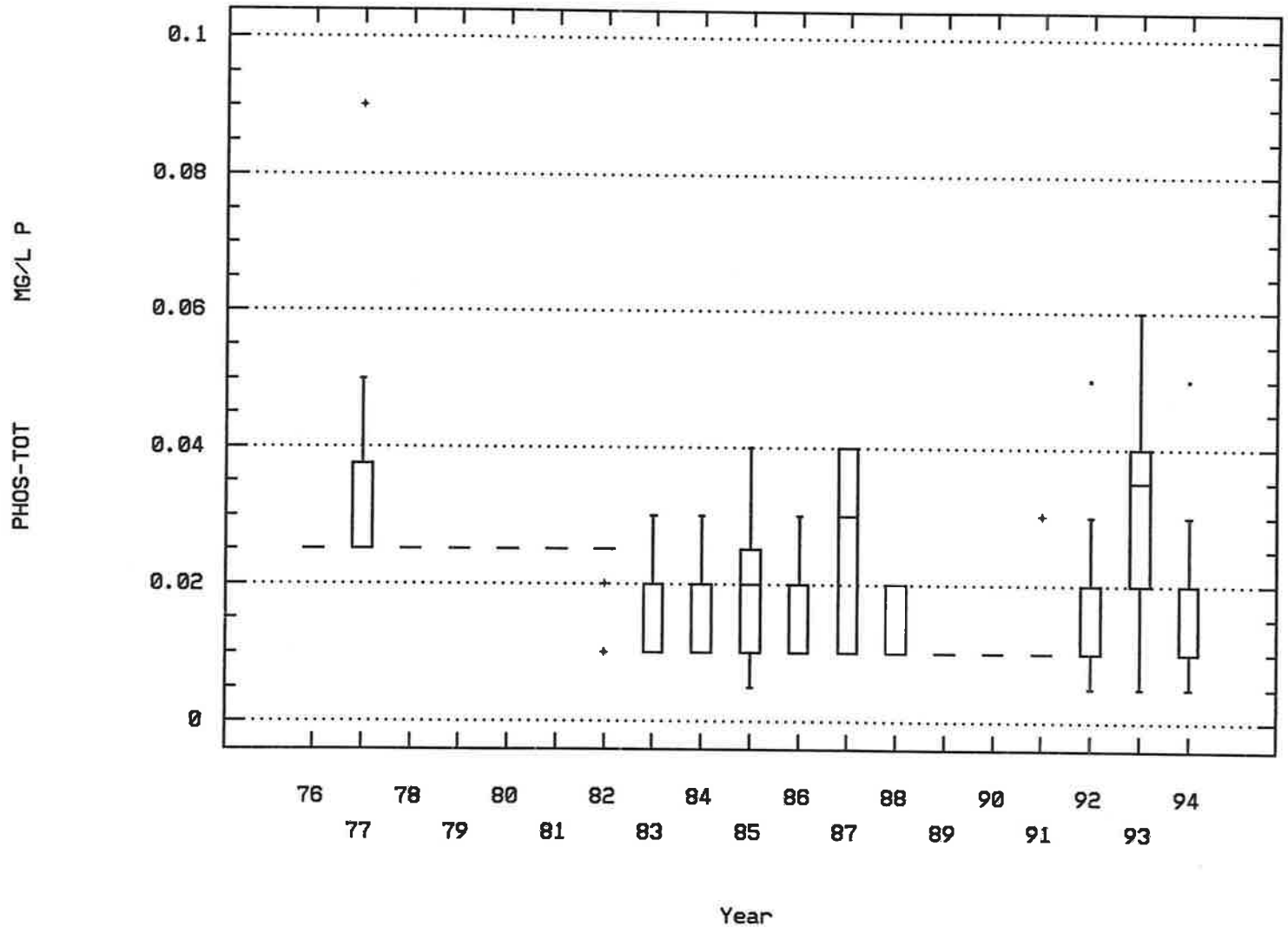
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 00665

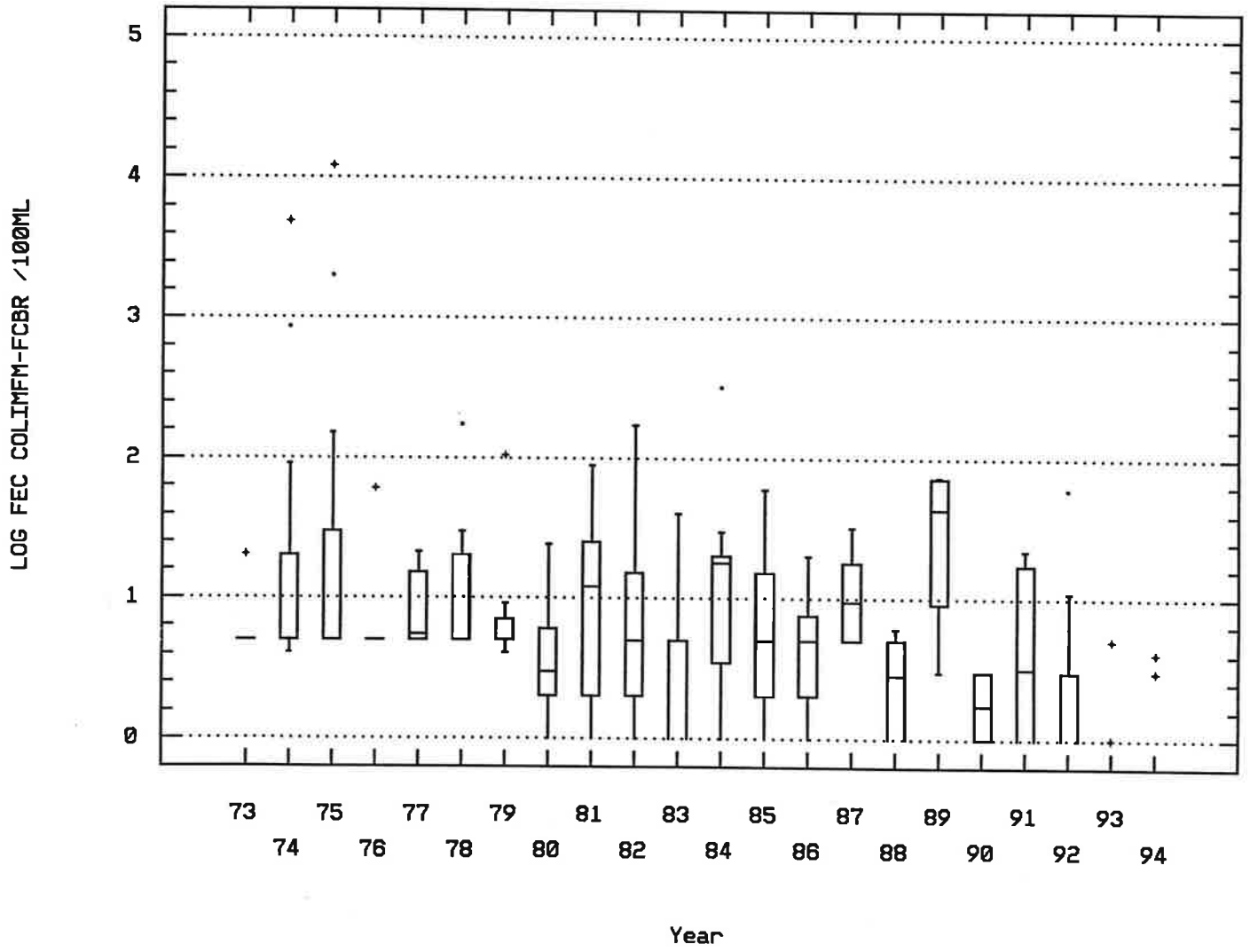
PHOSPHORUS, TOTAL (MG/L AS P)



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Station: GRSM0185 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



CATALOOCHEE CREEK NEAR CATALOOCHEE NC

Seasonal Analysis for Season #1: 10/01 to 3/31 - Station GRSM0185

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)		02/07/83-12/05/94	27	75.	59.63	75.	15.	590.242	24.295	20.	30.	75.	75.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/04/73-12/05/94	140	6.5	6.889	17.	0.	13.839	3.72	2.55	4.	9.375	12.
00061	FLOW, STREAM, INSTANTANEOUS	CFS	10/01/75-09/07/93	93	89.	108.366	340.	26.	4917.191	70.123	33.4	51.	150.5	216.
00064	DEPTH OF STREAM, MEAN (FT)		02/07/83-12/05/94	28	1.	1.139	2.	1.	0.066	0.257	1.	1.	1.2	1.5
00065	STAGE, STREAM (FEET)		01/24/74-09/07/93	126	2.62	2.955	40.26	2.08	11.393	3.375	2.157	2.328	2.9	3.196
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		10/04/73-12/05/94	88##	0.5	1.6	35.	0.	14.945	3.866	0.5	0.5	1.65	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		05/28/81-12/05/94	52	16.	17.538	29.	7.	26.646	5.162	13.	14.	21.	25.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		01/29/74-12/14/89	41	16.	18.366	48.	3.	98.588	9.929	6.2	10.5	24.5	29.8
00300	OXYGEN, DISSOLVED	MG/L	09/04/73-12/05/94	131	11.	11.042	13.9	2.	1.965	1.402	9.6	10.1	12.	12.88
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	09/04/73-09/19/85	63	92.	92.317	115.	71.	48.722	6.98	85.4	89.	95.	101.
00310	BOD, 5 DAY, 20 DEG C	MG/L	09/04/73-06/26/91	109	0.4	0.476	3.	0.	0.175	0.418	0.1	0.2	0.6	1.
00335	COD, .025N K2CR2O7	MG/L	09/04/73-12/11/84	31##	5.	6.968	30.	2.5	36.449	6.037	2.5	2.5	12.5	12.5
00340	COD, .25N K2CR2O7	MG/L	01/24/74-04/23/81	65##	12.5	9.908	34.	5.	36.335	6.028	5.	5.	12.5	12.5
00400	PH (STANDARD UNITS)		09/04/73-12/05/94	122	6.7	6.699	7.7	5.7	0.16	0.4	6.13	6.4	6.9	7.3
00400	CONVERTED PH (STANDARD UNITS)		09/04/73-12/05/94	122	6.7	6.531	7.7	5.7	0.188	0.434	6.13	6.4	6.9	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/04/73-12/05/94	122	0.2	0.295	1.995	0.02	0.081	0.284	0.05	0.126	0.398	0.745
00403	PH, LAB, STANDARD UNITS	SU	11/28/79-12/05/94	49	6.7	6.661	7.	6.3	0.019	0.137	6.5	6.6	6.7	6.8
00403	CONVERTED PH, LAB, STANDARD UNITS		11/28/79-12/05/94	49	6.7	6.64	7.	6.3	0.019	0.138	6.5	6.6	6.7	6.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/28/79-12/05/94	49	0.2	0.229	0.501	0.1	0.006	0.076	0.158	0.2	0.251	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		09/04/73-06/26/91	110	5.	5.682	19.	3.	6.751	2.598	4.	4.	7.	8.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		09/04/73-08/20/80	51	0.	0.098	5.	0.	0.49	0.7	0.	0.	0.	0.
00431	ALKALINITY TOATL FIELD, (MG/L AS CACO3)		06/27/80-10/25/93	50	4.	4.7	9.	2.	2.908	1.705	3.	4.	6.	7.
00500	RESIDUE, TOTAL (MG/L)		05/26/76-01/22/92	70	24.5	25.486	80.	5.	131.5	11.467	15.	18.	32.	37.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/26/76-12/05/94	87	1.	1.598	7.	0.5	2.296	1.515	0.5	0.5	2.	3.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/26/76-11/07/94	74##	0.025	0.02	0.06	0.005	0.	0.011	0.005	0.01	0.025	0.03
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		05/26/76-11/07/94	74	0.1	0.11	0.4	0.005	0.006	0.078	0.05	0.05	0.2	0.2
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/26/76-11/07/94	74	0.16	0.148	0.27	0.005	0.006	0.079	0.023	0.103	0.21	0.24
00665	PHOSPHORUS, TOTAL (MG/L AS P)		05/26/76-11/07/94	73	0.02	0.019	0.05	0.005	0.	0.009	0.01	0.01	0.025	0.025
00900	HARDNESS, TOTAL (MG/L AS CACO3)		02/24/83-12/05/94	41	5.	4.976	12.	2.	3.574	1.891	3.	4.	6.	7.
00945	SULFATE, TOTAL (MG/L AS SO4)		02/24/83-12/19/90	29##	2.5	2.586	5.	2.5	0.216	0.464	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)		05/26/76-11/07/94	44##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)		05/26/76-11/07/94	47##	1.	8.298	25.	1.	97.04	9.851	1.	1.	10.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)		05/26/76-11/07/94	47##	12.5	16.862	25.	2.5	46.051	6.786	12.5	12.5	25.	25.
01037	COBALT, TOTAL (UG/L AS CO)		05/26/76-05/26/87	9##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01042	COPPER, TOTAL (UG/L AS CU)		05/26/76-11/07/94	47##	5.	10.553	130.	1.	406.992	20.174	1.	1.	10.	20.
01045	IRON, TOTAL (UG/L AS FE)		05/26/76-11/07/94	27##	25.	526.37	13000.	25.	6216155.242	2493.222	25.	25.	50.	126.
01051	LEAD, TOTAL (UG/L AS PB)		05/26/76-11/07/94	47##	5.	23.936	50.	5.	460.8	21.466	5.	5.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)		05/26/76-10/25/93	17##	25.	28.294	220.	5.	2521.814	50.218	5.	5.	25.	64.
01067	NICKEL, TOTAL (UG/L AS NI)		05/26/76-11/07/94	39##	5.	20.128	50.	5.	371.694	19.279	5.	5.	50.	50.
01092	ZINC, TOTAL (UG/L AS ZN)		05/26/76-11/07/94	47##	5.	44.723	1400.	1.	41563.987	203.872	5.	5.	25.	25.
01105	ALUMINUM, TOTAL (UG/L AS AL)		02/24/83-11/07/94	42##	50.	59.476	210.	25.	2719.816	52.152	25.	25.	53.5	170.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/04/73-12/05/94	161##	5.	37.401	4800.	0.5	142871.256	377.983	0.5	1.	5.	20.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		09/04/73-12/05/94	161##	0.699	0.543	3.681	-0.301	0.371	0.609	-0.301	0.	0.699	1.301
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	3.491								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		09/10/79-11/29/94	28	365.	502.357	2000.	0.5	265620.664	515.384	2.75	13.75	805.	1210.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR		09/10/79-11/29/94	28	2.56	2.095	3.301	-0.301	1.176	1.085	0.399	1.136	2.906	3.083
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR				GEOMETRIC MEAN =	124.585								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		02/09/77-09/25/91	50##	0.01	0.016	0.05	0.005	0.	0.011	0.005	0.005	0.025	0.025
71900	MERCURY, TOTAL (UG/L AS HG)		05/26/76-11/07/94	45##	0.1	0.141	0.6	0.1	0.009	0.092	0.1	0.1	0.1	0.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	02/07/83-12/05/94	27	75.	60.	75.	20.	559.615	23.656	20.	30.	75.	75.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/04/73-12/05/94	158	15.	14.472	20.	6.	10.052	3.17	9.95	13.	17.	18.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0185

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/01/75-09/07/93	90	63.	96.811	1550.	24.	28044.335	167.464	33.1	44.	93.5	154.6
00064	DEPTH OF STREAM, MEAN (FT)	02/07/83-12/05/94	27	1.	1.185	3.	0.5	0.272	0.522	1.	1.	1.	2.1
00065	STAGE, STREAM (FEET)	01/24/74-09/07/93	143	2.39	2.485	5.29	0.43	0.188	0.433	2.144	2.25	2.63	2.89
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	10/04/73-12/05/94	115	1.3	2.388	68.	0.05	42.101	6.489	0.5	0.5	2.4	3.74
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	59	19.	19.271	38.	6.	33.891	5.822	12.	15.	23.	26.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/29/74-12/14/89	61	20.	20.164	35.	6.	42.339	6.507	11.2	15.	25.	30.
00300	OXYGEN, DISSOLVED MG/L	09/04/73-12/05/94	147	9.3	9.456	12.9	2.	1.152	1.073	8.6	8.9	9.9	10.7
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/04/73-09/19/85	86	92.	92.556	104.	81.1	18.426	4.292	87.	90.	96.	97.3
00310	BOD, 5 DAY, 20 DEG C MG/L	09/04/73-06/26/91	122	0.5	0.578	2.6	0.05	0.123	0.351	0.2	0.4	0.7	1.
00335	COD, .025N K2CR2O7 MG/L	09/04/73-12/11/84	27##	5.	5.167	12.5	2.5	11.423	3.38	2.5	2.5	5.	12.5
00340	COD, .25N K2CR2O7 MG/L	01/24/74-04/23/81	71##	12.5	9.768	46.	0.	36.092	6.008	5.	5.	12.5	12.5
00400	PH (STANDARD UNITS)	09/04/73-12/05/94	142	6.8	6.694	7.4	5.4	0.109	0.331	6.2	6.5	6.9	7.
00400	CONVERTED PH (STANDARD UNITS)	09/04/73-12/05/94	142	6.8	6.539	7.4	5.4	0.134	0.366	6.2	6.5	6.9	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/04/73-12/05/94	142	0.158	0.289	3.981	0.04	0.153	0.391	0.1	0.126	0.316	0.631
00403	PH, LAB, STANDARD UNITS SU	11/28/79-12/05/94	50	6.8	6.752	7.	6.5	0.014	0.116	6.6	6.7	6.8	6.9
00403	CONVERTED PH, LAB, STANDARD UNITS	11/28/79-12/05/94	50	6.8	6.737	7.	6.5	0.014	0.118	6.6	6.7	6.8	6.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-12/05/94	50	0.158	0.183	0.316	0.1	0.003	0.05	0.126	0.158	0.2	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/04/73-06/26/91	124	6.	5.863	9.	1.	1.306	1.143	5.	5.	6.	7.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/04/73-08/20/80	49	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00431	ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	56	5.	5.554	9.	2.	2.179	1.476	4.	5.	7.	7.3
00500	RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	74	30.5	29.568	49.	10.	70.879	8.419	17.5	23.75	36.	40.5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	94	2.5	3.059	13.	0.5	6.306	2.511	0.5	1.	4.	6.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/26/76-11/07/94	80	0.025	0.025	0.08	0.005	0.	0.014	0.01	0.02	0.03	0.04
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/26/76-11/07/94	80	0.1	0.128	0.6	0.05	0.007	0.086	0.05	0.1	0.2	0.2
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/26/76-11/07/94	80	0.16	0.156	0.22	0.07	0.001	0.032	0.12	0.14	0.18	0.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/26/76-11/07/94	80	0.025	0.024	0.09	0.005	0.	0.012	0.01	0.02	0.025	0.039
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	44	5.	4.545	8.	2.	2.347	1.532	2.	3.25	6.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/24/83-12/19/90	27##	2.5	2.852	12.	2.5	3.343	1.828	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	05/26/76-11/07/94	47##	5.	5.426	25.	5.	8.511	2.917	5.	5.	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	05/26/76-11/07/94	49##	1.	8.	25.	1.	95.125	9.753	1.	1.	10.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/26/76-11/07/94	49##	12.5	17.092	25.	12.5	37.07	6.088	12.5	12.5	25.	25.
01037	COBALT, TOTAL (UG/L AS CO)	05/26/76-05/26/87	11##	50.	47.727	50.	25.	56.818	7.538	30.	50.	50.	50.
01042	COPPER, TOTAL (UG/L AS CU)	05/26/76-11/07/94	50##	5.	61.26	2700.	1.	145055.38	380.861	1.	1.	12.5	20.
01045	IRON, TOTAL (UG/L AS FE)	05/26/76-11/07/94	30##	50.	59.467	200.	25.	1641.085	40.51	25.	25.	80.25	118.
01051	LEAD, TOTAL (UG/L AS PB)	05/26/76-11/07/94	50##	5.	23.98	50.	5.	454.265	21.313	5.	5.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	05/26/76-10/25/93	18##	18.75	15.417	25.	5.	100.184	10.009	5.	5.	25.	25.
01067	NICKEL, TOTAL (UG/L AS NI)	05/26/76-11/07/94	43##	5.	26.372	300.	5.	2193.811	46.838	5.	5.	50.	50.
01092	ZINC, TOTAL (UG/L AS ZN)	05/26/76-11/07/94	50##	5.	167.02	7800.	5.	1213387.489	1101.539	5.	5.	21.25	25.
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/24/83-11/07/94	48	52.	80.833	270.	25.	3671.504	60.593	25.	31.25	100.	200.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	184	8.5	97.986	12000.	0.5	804496.807	896.937	1.	5.	20.	40.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/04/73-12/05/94	184	0.929	0.928	4.079	-0.301	0.419	0.648	0.	0.699	1.301	1.602
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	8.478								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/10/79-11/29/94	29	1300.	2868.517	23001.	14.	23181130.544	4814.679	34.	140.	3600.	8500.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	09/10/79-11/29/94	29	3.114	2.867	4.362	1.146	0.762	0.873	1.531	2.128	3.556	3.929
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR			GEOMETRIC MEAN =	736.27								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/09/77-09/25/91	56##	0.02	0.017	0.025	0.005	0.	0.009	0.005	0.01	0.025	0.025
71900	MERCURY, TOTAL (UG/L AS HG)	05/26/76-11/07/94	47##	0.1	0.131	0.25	0.1	0.004	0.06	0.1	0.1	0.1	0.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: GRSM0186

NPS Station ID: GRSM0186 LAT/LON: 35.667226/ -83.073059 Agency: 112WRD Date Created: 01/25/77
Location: COMPUTED VALUES CATALOOCHEE CR N
Station Type: /TYPA/AMBNT/STREAM FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
RMI-Indexes: STORET Station ID(s): 03460001
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106012 RF1 Mile Point: 3.180 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106002302.41 RF3 Mile Point: 2.41 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0186

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/23/76-04/23/76	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	04/23/76-04/23/76	1	285.	285.	285.	285.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/23/76-04/23/76	1	200.	200.	200.	200.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/23/76-04/23/76	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		04/23/76-04/23/76	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		04/23/76-04/23/76	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/23/76-04/23/76	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00405 CARBON DIOXIDE (MG/L AS CO2)		04/23/76-04/23/76	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/23/76-04/23/76	1	115.	115.	115.	115.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		04/23/76-04/23/76	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		04/23/76-04/23/76	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		04/23/76-04/23/76	1	130.	130.	130.	130.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		04/23/76-04/23/76	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		04/23/76-04/23/76	1	43.	43.	43.	43.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		04/23/76-04/23/76	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		04/23/76-04/23/76	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO		04/23/76-04/23/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00932 SODIUM, PERCENT		04/23/76-04/23/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		04/23/76-04/23/76	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	04/23/76-04/23/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		04/23/76-04/23/76	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		04/23/76-04/23/76	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		04/23/76-04/23/76	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
01000 ARSENIC, DISSOLVED (UG/L AS AS)		04/23/76-04/23/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)		04/23/76-04/23/76	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)		04/23/76-04/23/76	1##	0.	0.	0.	0.	0.	0.	**	**	**	**
01035 COBALT, DISSOLVED (UG/L AS CO)		04/23/76-04/23/76	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		04/23/76-04/23/76	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01049 LEAD, DISSOLVED (UG/L AS PB)		04/23/76-04/23/76	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		04/23/76-04/23/76	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01080 STRONTIUM, DISSOLVED (UG/L AS SR)		04/23/76-04/23/76	1	210.	210.	210.	210.	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)		04/23/76-04/23/76	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)		04/23/76-04/23/76	1	130.	130.	130.	130.	0.	0.	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY		04/23/76-04/23/76	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT		04/23/76-04/23/76	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		04/23/76-04/23/76	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
71890 MERCURY, DISSOLVED (UG/L AS HG)		04/23/76-04/23/76	1##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0186

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00						
01049 LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
01090 ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0187

NPS Station ID: GRSM0187 LAT/LON: 35.667226/ -83.073059 Agency: 11NATDC Date Created: 06/22/85
Location: CATALOOCHEE CREEK NR CATALOOCHEE FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): T0704340 /2139
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE R Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD R ECO Region:
RF1 Index: 06010106012 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 06010106002500.38 RF3 Mile Point: 1.05 Distance from RF3: 0.10 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0187

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: GRSM0188

NPS Station ID: GRSM0188 LAT/LON: 35.667226/ -83.073059 Agency: 11BIOACC Date Created: 05/09/92
Location: CATTALOOCHEE CREEK @ CATTALOOCHEE FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/FISH/STREAM STORET Station ID(s): 2139
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010201002800.00 RF3 Mile Point: 2.05 Distance from RF3: 0.10 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0188

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
30344 PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	10/17/84-10/17/84	3##	0.75	0.893	1.375	0.555	0.184	0.428	**	**	**	**
30345 HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	10/17/84-10/17/84	3##	0.7	0.83	1.345	0.445	0.215	0.464	**	**	**	**
30346 HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	10/17/84-10/17/84	3##	0.89	1.035	1.345	0.87	0.072	0.269	**	**	**	**
30347 HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	10/17/84-10/17/84	3##	0.52	0.77	1.345	0.445	0.249	0.499	**	**	**	**
30348 HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	10/17/84-10/17/84	3	2.21	2.375	3.245	1.67	0.641	0.8	**	**	**	**
30349 TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	10/17/84-10/17/84	3	0.75	0.648	0.9	0.295	0.099	0.315	**	**	**	**
30350 PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	10/17/84-10/17/84	3##	0.47	0.47	0.555	0.385	0.007	0.085	**	**	**	**
30351 PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	10/17/84-10/17/84	2##	0.543	0.543	0.7	0.385	0.05	0.223	**	**	**	**
30352 HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	10/17/84-10/17/84	3##	0.29	0.39	0.655	0.225	0.054	0.232	**	**	**	**
30353 HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	10/17/84-10/17/84	3##	0.29	0.39	0.655	0.225	0.054	0.232	**	**	**	**
30354 HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	10/17/84-10/17/84	3##	0.225	0.358	0.655	0.195	0.066	0.257	**	**	**	**
30355 HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	10/17/84-10/17/84	3##	0.29	0.39	0.655	0.225	0.054	0.232	**	**	**	**
30356 HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	10/17/84-10/17/84	3##	0.63	0.91	1.62	0.48	0.384	0.619	**	**	**	**
30357 HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	10/17/84-10/17/84	3##	0.455	0.797	1.62	0.315	0.513	0.716	**	**	**	**
34395 HEXACHLOROBUTADIENE WET WGTTISMG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34555 1.2.4-TRICHLOROBENZENE WET WGTTISMG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34685 ENDRIN WET WGTTISMG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34686 HEPTACHLOR EPOXIDE WET WGTTISMG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34687 HEPTACHLOR WET WGTTISMG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34688 HEXACHLOROBENZENE WET WGTTISMG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34754 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	10/17/84-10/17/84	3	1.87	1.547	2.26	0.51	0.844	0.919	**	**	**	**
38824 ISOPROPALIN TISWETWGTMG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39063 CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39066 CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39074 BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39319 MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39322 P,P'-DDE IN TISSUE WET WGT MG/KG	10/17/84-10/17/84	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39335 DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39339 TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39345 TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39347 PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39354 HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39355 OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39404 DIELDRIN IN TISSUE WET WGT (UG/G)	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39408 NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39409 DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39785 GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
46333 PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0188

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70977 INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	10/17/84-10/17/84	3	2.34	1.687	2.72	0.	2.17	1.473	**	**	**	**
71935 MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	10/17/84-10/17/84	2##	0.053	0.053	0.08	0.025	0.002	0.039	**	**	**	**
76530 BIPHENYL TISSUE ,WET WGT,MG/KG	10/17/84-10/17/84	1##	0.	0.	0.	0.	0.	0.	**	**	**	**
78907 HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
78922 NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
78923 NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
79026 1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81312 POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81644 METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81645 MIREX IN FISH TISSUE WET WEIGHT UG/G	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81652 TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81807 DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81823 PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82029 OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85675 TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85676 TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85677 TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85678 TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85679 PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85680 DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85681 OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85682 NITROFEN TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85683 PERTHANE TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85684 DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	10/17/84-10/17/84	1##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exists to compare against the data at this station. **********

Station Inventory for Station: GRSM0189

NPS Station ID: GRSM0189 LAT/LON: 35.669448/ -83.073616 Agency: 21NC01WQ Date Created: 01/25/79
Location: LITTLE CATALOOCHEE CK NR CATALOOCHEE INA-791024
Station Type: /TYPA/AMBNT/STREAM
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
STORET Station ID(s): E6463000 /FRB049B
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106012 RF1 Mile Point: 2.930 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106001206.42 RF3 Mile Point: 6.42 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0189

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/11/79-04/11/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/11/79-04/11/79	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/11/79-04/11/79	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	04/11/79-04/11/79	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00340 COD, .25N K2CR2O7 MG/L	04/11/79-10/24/79	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	04/11/79-10/24/79	3	6.8	6.9	7.1	6.8	0.03	0.173	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	04/11/79-10/24/79	3	6.8	6.879	7.1	6.8	0.031	0.175	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/11/79-10/24/79	3	0.158	0.132	0.158	0.079	0.002	0.046	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	07/10/79-10/24/79	2	24.	24.	24.	24.	0.	0.	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/10/79-10/24/79	2##	6.25	6.25	12.	0.5	66.125	8.132	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	07/10/79-10/24/79	2	18.	18.	24.	12.	72.	8.485	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/11/79-10/24/79	3	7.	7.667	14.	2.	36.333	6.028	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/10/79-10/24/79	2##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/10/79-10/24/79	2	9.5	9.5	14.	5.	40.5	6.364	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	11/28/78-10/24/79	3##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	11/28/78-10/24/79	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/28/78-10/24/79	3##	0.025	0.033	0.05	0.025	0.	0.014	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	11/28/78-04/11/79	2##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	11/28/78-11/28/78	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/28/78-11/28/78	1##	1.25	1.25	1.25	1.25	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	11/28/78-11/28/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037 COBALT, TOTAL (UG/L AS CO)	11/28/78-11/28/78	2##	27.5	27.5	50.	5.	1012.5	31.82	**	**	**	**
01039 COPPER, TOTAL IN BOTTOM DEPOSITS (MG/KG,WT WGT)	11/28/78-11/28/78	1	9.5	9.5	9.5	9.5	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	11/28/78-11/28/78	1##	20.	20.	20.	20.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	11/28/78-11/28/78	2	15050.	15050.	30000.	100.	447005000.	21142.493	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/28/78-11/28/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	11/28/78-11/28/78	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	11/28/78-11/28/78	1	950.	950.	950.	950.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	11/28/78-11/28/78	2##	45.	45.	65.	25.	800.	28.284	**	**	**	**
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/79-10/24/79	3	5.	5.	7.	3.	4.	2.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/11/79-10/24/79	3	0.699	0.674	0.845	0.477	0.034	0.185	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	4.718								
39064 CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39067 CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39073 CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0189

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39301	P.P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39306	O.P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39311	P.P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39316	O.P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39321	P.P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39328	O.P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/28/78-11/28/78	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	11/28/78-11/28/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	250.	250.	250.	250.	0.	0.	**	**	**	**
39701	HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39811	CHLORDANE,GAMMA,IN BOTTOM DEPOS(UG/KG DRY SOLIDS)	11/28/78-11/28/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/28/78-04/11/79	2##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	11/28/78-11/28/78	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	11/28/78-11/28/78	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0189

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00												
		Drinking Water	5.	0&	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042	COPPER, TOTAL	Fresh Acute	18.	0&	0	0.00												
		Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	5.	0&	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	0	0.00	2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0190

NPS Station ID: GRSM0190 LAT/LON: 35.669726/ -83.676949 Agency: 12NSS Date Created: 10/22/88
Location: LITTLE RIVER
FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2A07810L /2AS2A07810L
RMI-Indexes:
RMI-Miles:
HUC: 06010201 Depth of Water: 3 Aquifer:
Major Basin: Elevation: 433 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010201 RF1 Mile Point: 0.000 Distance from RF1: 4.00 On/Off RF1:
RF3 Index: 06010107002900.90 RF3 Mile Point: 1.87 Distance from RF3: 0.21 On/Off RF3:
Description:

THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN:

Parameter Inventory for Station: GRSM0190

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/27/85-07/10/85	4	11.4	12.125	20.	5.7	43.422	6.59	**	**	**	**
00064 DEPTH OF STREAM, MEAN (FT)		03/27/85-07/10/85	4	2.8	2.8	2.8	2.8	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		03/27/85-07/10/85	4	15.	13.75	15.	10.	6.25	2.5	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/27/85-07/10/85	4	15.5	16.	18.	15.	2.	1.414	**	**	**	**
00299 OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	03/27/85-07/10/85	4	10.2	10.175	12.4	7.9	3.616	1.902	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	03/27/85-07/10/85	4	6.7	6.8	7.3	6.5	0.127	0.356	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		03/27/85-07/10/85	4	6.689	6.712	7.3	6.5	0.137	0.37	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/27/85-07/10/85	4	0.205	0.194	0.316	0.05	0.013	0.116	**	**	**	**
00409 ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS	UEQ/L	03/27/85-07/10/85	4	70.85	79.575	114.3	62.3	552.449	23.504	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		03/27/85-07/10/85	4	3.5	3.75	5.	3.	0.917	0.957	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		03/27/85-07/10/85	4	0.01	0.01	0.011	0.009	0.	0.001	**	**	**	**
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)		03/27/85-07/10/85	4	0.7	0.7	0.9	0.5	0.027	0.163	**	**	**	**
00691 CARBON, DISSOLVED INORGANIC (MG/L AS C)		03/27/85-07/10/85	4	1.05	1.05	1.4	0.7	0.097	0.311	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		03/27/85-07/10/85	4	1.35	1.375	1.6	1.2	0.029	0.171	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		03/27/85-07/10/85	4	0.35	0.35	0.4	0.3	0.003	0.058	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		03/27/85-07/10/85	4	0.805	0.835	0.96	0.77	0.008	0.087	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		03/27/85-07/10/85	4	0.49	0.488	0.53	0.44	0.002	0.044	**	**	**	**
00941 CHLORIDE, DISSOLVED IN WATER	MG/L	03/27/85-07/10/85	4	0.45	0.45	0.5	0.4	0.003	0.058	**	**	**	**
00946 SULFATE, DISSOLVED (MG/L AS SO4)		03/27/85-07/10/85	4	1.65	1.675	1.8	1.6	0.009	0.096	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		03/27/85-07/10/85	4	0.025	0.025	0.03	0.02	0.	0.006	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		03/27/85-07/10/85	4	5.2	5.3	5.7	5.1	0.08	0.283	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		03/27/85-07/10/85	4	0.	1.	4.	0.	4.	2.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)		03/27/85-07/10/85	4	49.5	65.	145.	16.	3094.	55.624	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		03/27/85-07/10/85	4	1.	0.975	1.1	0.8	0.023	0.15	**	**	**	**
71885 IRON (UG/L AS FE)		03/27/85-07/10/85	4	1.5	3.423	9.99	0.7	19.479	4.413	**	**	**	**
72020 ELEVATION IN FEET ABOVE MEAN SEA LEVEL		03/27/85-07/10/85	4	1420.	1420.	1420.	1420.	0.	0.	**	**	**	**
82079 TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS,	NTU	03/27/85-07/10/85	4	0.3	0.325	0.5	0.2	0.016	0.126	**	**	**	**
83509 STREAM, WIDTH	METER	03/27/85-07/10/85	4	12.	12.	12.	12.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GRSM0190

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	1	0	0.00	3	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	4	0	0.00	1	0	0.00	3	0	0.00						
	Other-Lo Lim.	6.5	4	1	0.25	1	1	1.00	3	0	0.00						
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	4	4	1.00	1	1	1.00	3	3	1.00						
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00	3	0	0.00						
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	4	0	0.00	1	0	0.00	3	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00	3	0	0.00						
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	4	0	0.00	1	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0191

NPS Station ID: GRSM0191
Location: LAUREL LAKE
Station Type: /TYPA/AMBNT/LAKE
RMI-Indexes:
RMI-Miles:
HUC: 06010201
Major Basin:
Minor Basin:
RF1 Index: 06010201
RF3 Index: 06010201008202.17
Description:

LAT/LON: 35.670837/ -83.797782

Depth of Water: 16
Elevation: 0

RF1 Mile Point: 0.000
RF3 Mile Point: 2.17

Agency: 12ELS1
FIPS State/County: 47009 TENNESSEE/BLOUNT
STORET Station ID(s): 3A2-059

Date Created: 04/16/88

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 22.20
Distance from RF3: 0.05

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: GRSM0191

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/20/84-11/20/84	1	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)		11/20/84-11/20/84	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		11/20/84-11/20/84	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		11/20/84-11/20/84	1	196.	196.	196.	196.	0.	0.	**	**	**	**
00154 SULFATE (AS S) WHOLE WATER, MG/L		11/20/84-11/20/84	1	5.55	5.55	5.55	5.55	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	11/20/84-11/20/84	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		11/20/84-11/20/84	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/20/84-11/20/84	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00409 ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS	UEQ/L	11/20/84-11/20/84	1	1863.6	1863.6	1863.6	1863.6	0.	0.	**	**	**	**
00662 PHOSPHORUS (P), WATER, TOTAL RECOVERABLE	UG/L	11/20/84-11/20/84	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00681 CARBON, DISSOLVED ORGANIC (MG/L AS C)		11/20/84-11/20/84	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00691 CARBON, DISSOLVED INORGANIC (MG/L AS C)		11/20/84-11/20/84	1	22.6	22.6	22.6	22.6	0.	0.	**	**	**	**
00910 CALCIUM (MG/L AS CACO3)		11/20/84-11/20/84	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		11/20/84-11/20/84	1	4.3	4.3	4.3	4.3	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		11/20/84-11/20/84	1	1.37	1.37	1.37	1.37	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		11/20/84-11/20/84	1	1.24	1.24	1.24	1.24	0.	0.	**	**	**	**
00941 CHLORIDE, DISSOLVED IN WATER	MG/L	11/20/84-11/20/84	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		11/20/84-11/20/84	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		11/20/84-11/20/84	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)		11/20/84-11/20/84	1	210.	210.	210.	210.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)		11/20/84-11/20/84	1	112.	112.	112.	112.	0.	0.	**	**	**	**
70151 SURFACE AREA OF LAKE OR RESERVOIR	SQ KM	11/20/84-11/20/84	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		11/20/84-11/20/84	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
71885 IRON (UG/L AS FE)		11/20/84-11/20/84	1	0.	0.	0.	0.	0.	0.	**	**	**	**
72020 ELEVATION IN FEET ABOVE MEAN SEA LEVEL		11/20/84-11/20/84	1	1049.92	1049.92	1049.92	1049.92	0.	0.	**	**	**	**
82047 DEPTH TO THE TOP OF THE SAMPLING INTERVAL (METERS)		11/20/84-11/20/84	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
82079 TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU		11/20/84-11/20/84	1	11.5	11.5	11.5	11.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0191

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00154 SULFATE (AS S) WHOLE WATER	Drinking Water	400.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0191

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	0	0.00	1	0	0.00									
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00	1	0	0.00									
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0192

NPS Station ID: GRSM0192 LAT/LON: 35.674171/ -83.526115 Agency: 21TNWQ Date Created: 09/11/82
Location: W PRONG LITTLE PIGEON R 21.9 QUAD 157NE FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS10
RMI-Indexes: 1021500 007720 00920 9300 1120 0220
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 021.90
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107015 RF1 Mile Point: 4.300 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107002006.88 RF3 Mile Point: 7.88 Distance from RF3: 0.02 On/Off RF3:
Description:
100 YDS U/S OF GATLINBURG WWTP WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0192

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/15/81-07/23/81	5	16.	15.26	21.8	6.5	32.288	5.682	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/15/81-07/23/81	5	9.3	9.38	10.7	8.3	0.777	0.881	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/15/81-07/23/81	5	1.	1.	1.	1.	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	04/15/81-07/23/81	5	5.	5.	5.	5.	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	04/15/81-07/23/81	5	6.7	6.7	7.3	6.1	0.185	0.43	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		04/15/81-07/23/81	5	6.7	6.537	7.3	6.1	0.218	0.467	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/15/81-07/23/81	5	0.2	0.291	0.794	0.05	0.085	0.291	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/15/81-07/23/81	5	0.05	0.086	0.23	0.02	0.007	0.084	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		04/15/81-07/23/81	5	0.56	0.51	0.74	0.18	0.045	0.212	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		04/15/81-07/23/81	5	0.7	0.56	0.9	0.2	0.088	0.297	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/15/81-07/23/81	5	0.02	0.032	0.06	0.01	0.	0.022	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		07/23/81-07/23/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		07/23/81-07/23/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		07/23/81-07/23/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		07/23/81-07/23/81	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		07/23/81-07/23/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		07/23/81-07/23/81	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)		07/23/81-07/23/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		07/23/81-07/23/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
32106 CHLOROFORM,WHOLE WATER,UG/L		05/06/81-05/06/81	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0192

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00				5	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	5	0	0.00				5	0	0.00						
	Other-Lo Lim.	6.5	5	1	0.20				5	1	0.20						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00				5	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0192

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	1	1.00				1	1	1.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
32106 CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0193

NPS Station ID: GRSM0193 LAT/LON: 35.675281/ -83.033892 Agency: 131TVAC Date Created: 04/09/83
Location: AT WHITE OAK CREEK
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 370078
RMI-Indexes: 1021500 007720 00920 9300 2520
RMI-Miles: 0953.80 0046.50 652.10 073.80 040.00
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: PIGEON RIVER 40.0 ECO Region:
RF1 Index: 06010106013 RF1 Mile Point: 1.760 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106001301.62 RF3 Mile Point: 1.64 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/11/83-08/31/83	22	22.05	21.545	25.6	15.8	13.553	3.681	17.02	17.85	25.15	25.3
00080 COLOR (PLATINUM-COBALT UNITS)		05/11/83-08/31/83	6	120.	119.167	180.	55.	4444.167	66.665	**	**	**	**
00081 COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS		05/11/83-08/31/83	6	130.	128.333	180.	70.	3216.667	56.716	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		05/11/83-08/31/83	22	606.5	642.273	1072.	250.	157252.494	396.551	253.	254.75	1033.25	1064.5
00300 OXYGEN, DISSOLVED	MG/L	05/11/83-08/31/83	22	5.8	4.895	7.8	0.5	8.269	2.876	0.56	2.4	7.525	7.8
00303 BOD, 1DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	0.3	0.367	0.9	0.	0.115	0.339	**	**	**	**
00304 BOD, 2 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	0.75	0.767	1.2	0.3	0.107	0.327	**	**	**	**
00305 BOD, 3 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	1.4	1.433	1.9	0.9	0.119	0.344	**	**	**	**
00306 BOD, 4 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	1.75	1.717	2.	1.4	0.054	0.232	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	1.95	1.933	2.2	1.6	0.047	0.216	**	**	**	**
00312 BOD, 6 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	2.2	2.15	2.4	1.8	0.051	0.226	**	**	**	**
00315 BOD, 7 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	2.4	2.483	2.8	2.3	0.05	0.223	**	**	**	**
00316 BOD, 8 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	2.9	2.883	3.	2.7	0.018	0.133	**	**	**	**
00317 BOD, 9 DAY, 20 DEG C	MG/L	08/31/83-08/31/83	3	3.1	3.067	3.3	2.8	0.063	0.252	**	**	**	**
00322 BOD, 10 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	3.4	3.4	3.6	3.1	0.036	0.19	**	**	**	**
00323 BOD, 15 DAY, 20 DEG C	MG/L	08/31/83-08/31/83	3	4.3	4.333	4.5	4.2	0.023	0.153	**	**	**	**
00324 BOD, 20 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	5.3	5.517	6.4	4.8	0.458	0.677	**	**	**	**
00327 BOD, 11DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	3.65	3.667	3.8	3.5	0.015	0.121	**	**	**	**
00329 BOD, 13 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	4.2	4.15	4.5	3.6	0.107	0.327	**	**	**	**
00333 BOD, 18 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	5.05	5.183	5.9	4.6	0.27	0.519	**	**	**	**
00336 BOD, 22 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	5.8	5.85	6.5	5.1	0.287	0.536	**	**	**	**
00345 BOD, 25 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	6.7	7.183	11.1	5.3	4.07	2.017	**	**	**	**
00347 BOD, 27 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	6.95	7.467	11.3	5.8	3.819	1.954	**	**	**	**
00348 BOD, 29 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	7.15	7.733	11.8	6.3	4.159	2.039	**	**	**	**
00353 BOD, 42 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	4.8	6.733	14.	4.2	14.575	3.818	**	**	**	**
00356 BOD, 63 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	9.15	10.133	15.5	8.8	6.967	2.639	**	**	**	**
00357 BOD, 70 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	9.2	10.267	15.7	9.	7.119	2.668	**	**	**	**
00358 BOD, 77 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	9.35	10.45	16.1	9.	7.779	2.789	**	**	**	**
00361 BOD, 98 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	10.1	11.133	17.2	9.3	9.255	3.042	**	**	**	**
00363 BOD, 50 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	8.6	9.583	14.9	8.2	6.818	2.611	**	**	**	**
00364 BOD, 100 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	10.15	11.167	17.3	9.3	9.439	3.072	**	**	**	**
00400 PH (STANDARD UNITS)		05/11/83-08/31/83	22	6.97	6.915	7.17	6.6	0.043	0.207	6.6	6.7	7.108	7.167
00400 CONVERTED PH (STANDARD UNITS)		05/11/83-08/31/83	22	6.97	6.866	7.17	6.6	0.045	0.213	6.6	6.7	7.107	7.167
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/83-08/31/83	22	0.107	0.136	0.251	0.068	0.005	0.068	0.068	0.078	0.2	0.251
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		05/11/83-08/31/83	6	385.	386.667	600.	170.	52946.667	230.101	**	**	**	**
81254 BOD, 32 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	7.15	7.933	12.3	6.7	4.683	2.164	**	**	**	**
81256 BOD, 34 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	7.35	8.167	12.6	6.9	4.815	2.194	**	**	**	**
81257 BOD, 36 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	7.65	8.433	12.9	7.2	4.879	2.209	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0193

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81260 BOD, 39 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	3	7.9	7.867	8.2	7.5	0.123	0.351	**	**	**	**
81261 BOD, 41 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	3	7.9	7.933	8.2	7.7	0.063	0.252	**	**	**	**
81262 BOD, 43 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	3	8.3	8.2	8.4	7.9	0.07	0.265	**	**	**	**
81265 BOD, 46 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	8.3	9.2	14.2	7.9	6.036	2.457	**	**	**	**
81267 BOD, 48 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	3	8.4	8.267	8.4	8.	0.053	0.231	**	**	**	**
81270 BOD, 53 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	8.65	9.667	14.9	8.5	6.579	2.565	**	**	**	**
81272 BOD, 55 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	2	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
81273 BOD, 57 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	8.85	9.85	15.2	8.5	6.899	2.627	**	**	**	**
81276 BOD, 60 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	9.1	10.033	15.3	8.7	6.695	2.587	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0193

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	22	10	0.45				22	10	0.45						
00400 PH	Other-Hi Lim.	9.	22	0	0.00				22	0	0.00						
	Other-Lo Lim.	6.5	22	0	0.00				22	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0194

NPS Station ID: GRSM0194 LAT/LON: 35.675837/ -83.088337 Agency: 12NSS Date Created: 10/22/88
Location: CORRELL BRANCH FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2A07812L /2AS2A07812L
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 884 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 0.40 On/Off RF1:
RF3 Index: 06010106001300.27 RF3 Mile Point: 3.87 Distance from RF3: 0.09 On/Off RF3:
Description:
THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN:

Parameter Inventory for Station: GRSM0194

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/25/85-07/08/85	4	10.9	10.7	15.	6.	19.96	4.468	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)		03/25/85-07/08/85	4	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)		03/25/85-07/08/85	4	10.	11.25	20.	5.	39.583	6.292	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/25/85-07/08/85	4	16.	17.	20.	16.	4.	2.	**	**	**	**
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	03/25/85-07/08/85	4	9.5	9.5	10.8	8.2	2.253	1.501	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	03/25/85-07/08/85	4	6.75	6.775	7.1	6.5	0.062	0.25	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS		03/25/85-07/08/85	4	6.747	6.725	7.1	6.5	0.066	0.257	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/25/85-07/08/85	4	0.179	0.188	0.316	0.079	0.01	0.099	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS	UEQ/L	03/25/85-07/08/85	4	106.7	117.35	155.6	100.4	667.71	25.84	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)		03/25/85-07/08/85	4	5.	5.5	7.	5.	1.	1.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)		03/25/85-07/08/85	4	0.02	0.021	0.027	0.016	0.	0.005	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)		03/25/85-07/08/85	4	0.8	0.775	1.1	0.4	0.089	0.299	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)		03/25/85-07/08/85	4	1.45	1.475	1.7	1.3	0.029	0.171	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)		03/25/85-07/08/85	4	1.1	1.2	1.5	1.1	0.04	0.2	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		03/25/85-07/08/85	4	0.3	0.325	0.4	0.3	0.003	0.05	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)		03/25/85-07/08/85	4	1.385	1.415	1.61	1.28	0.024	0.155	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)		03/25/85-07/08/85	4	0.54	0.548	0.62	0.49	0.004	0.063	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER	MG/L	03/25/85-07/08/85	4	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)		03/25/85-07/08/85	4	1.1	1.075	1.1	1.	0.003	0.05	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)		03/25/85-07/08/85	4	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)		03/25/85-07/08/85	4	9.05	9.225	10.8	8.	1.549	1.245	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)		03/25/85-07/08/85	4	1.	1.	2.	0.	0.667	0.816	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)		03/25/85-07/08/85	4	55.	60.25	106.	25.	1452.917	38.117	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		03/25/85-07/08/85	4	0.25	0.375	0.8	0.2	0.083	0.287	**	**	**	**
71885	IRON (UG/L AS FE)		03/25/85-07/08/85	4	2.4	2.625	5.	0.7	4.856	2.204	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL		03/25/85-07/08/85	4	2900.	2900.	2900.	2900.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS,	NTU	03/25/85-07/08/85	4	0.35	0.425	0.8	0.2	0.069	0.263	**	**	**	**
83509	STREAM, WIDTH	METER	03/25/85-07/08/85	4	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0194

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	1	0	0.00	3	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	4	0	0.00	1	0	0.00	3	0	0.00						
	Other-Lo Lim.	6.5	4	1	0.25	1	1	1.00	3	0	0.00						
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	4	4	1.00	1	1	1.00	3	3	1.00						
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00	3	0	0.00						
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	4	0	0.00	1	0	0.00	3	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00	3	0	0.00						
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	4	0	0.00	1	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0195

NPS Station ID: GRSM0195 LAT/LON: 35.680281/ -83.373059 Agency: 12NSS Date Created: 10/22/88
Location: FALSE GAP PRONG
FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2A07811U /2AS2A07811U
RMI-Indexes:
RMI-Miles:
HUC: 06010107 Depth of Water: 3 Aquifer:
Major Basin: Elevation: 829 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107 RF1 Mile Point: 0.000 Distance from RF1: 0.50 On/Off RF1:
RF3 Index: 06010107004700.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:
THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN:

Parameter Inventory for Station: GRSM0195

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/16/85-07/16/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	07/16/85-07/16/85	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/16/85-07/16/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/16/85-07/16/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/16/85-07/16/85	1	8.8	8.8	8.8	8.8	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/16/85-07/16/85	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/16/85-07/16/85	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/16/85-07/16/85	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	07/16/85-07/16/85	1	24.2	24.2	24.2	24.2	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/16/85-07/16/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/16/85-07/16/85	1	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/16/85-07/16/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	07/16/85-07/16/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/16/85-07/16/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/16/85-07/16/85	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/16/85-07/16/85	1	0.69	0.69	0.69	0.69	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/16/85-07/16/85	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/16/85-07/16/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/16/85-07/16/85	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/16/85-07/16/85	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)	07/16/85-07/16/85	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/16/85-07/16/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/16/85-07/16/85	1	8.	8.	8.	8.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/16/85-07/16/85	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	07/16/85-07/16/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	07/16/85-07/16/85	1	2720.	2720.	2720.	2720.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/16/85-07/16/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	07/16/85-07/16/85	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0195

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00				1	1	1.00						
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0196

NPS Station ID: GRSM0196 LAT/LON: 35.684170/ -83.792504 Agency: 112WRD Date Created: 04/25/92
Location: LITTLE RIVER AT KINZEL SPRINGS, TN FIPS State/County: 47009 TENNESSEE/BLOUNT
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03497322
RMI-Indexes:
RMI-Miles:
HUC: 06010201 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010201 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010201082300.00 RF3 Mile Point: 0.10 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0196

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/91-08/28/91	2	20.	20.	20.	20.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/91-08/28/91	2	32.5	32.5	37.	28.	40.5	6.364	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/20/91-08/20/91	1	9.7	9.7	9.7	9.7	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/20/91-08/20/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/91-08/20/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/20/91-08/20/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/91-08/20/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/91-08/20/91	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/20/91-08/20/91	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS, 1 DET. (MG/L AS N)	08/20/91-08/20/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/91-08/20/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	08/20/91-08/20/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/20/91-08/20/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/91-08/28/91	2##	60.75	60.75	121.	0.5	7260.125	85.206	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	08/20/91-08/28/91	2##	0.891	0.891	2.083	-0.301	2.841	1.686	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	7.778								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/91-08/20/91	1	490.	490.	490.	490.	0.	0.	**	**	**	**
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	08/20/91-08/20/91	1	2.69	2.69	2.69	2.69	0.	0.	**	**	**	**
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR			GEOMETRIC MEAN =	490.								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/91-08/20/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0196

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00631 NITRITE PLUS NITRATE, DISS, 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0197

NPS Station ID: GRSM0197 LAT/LON: 35.686670/ -83.036392
Agency: 21NC01WQ Date Created: 06/09/90
Location: WATERVILLE LAKE @ MOUTH OF WILKINS CREEK
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): E6415000 /FRBWL4
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 1.10 On/Off RF1:
RF3 Index: 06010106001303.33 RF3 Mile Point: 3.32 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0197

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/90-07/28/92	24	24.05	24.275	26.6	22.8	0.988	0.994	23.15	23.525	24.975	25.85
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/01/90-07/28/92	2	4.9	4.9	6.8	3.	7.22	2.687	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	08/01/90-07/28/92	2	0.85	0.85	1.1	0.6	0.125	0.354	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/90-07/28/92	24	435.5	439.	496.	388.	1149.565	33.905	393.5	407.75	476.75	488.5
00300 OXYGEN, DISSOLVED MG/L	08/01/90-07/28/92	24	3.9	4.488	10.5	0.5	10.129	3.183	0.65	1.175	7.575	9.4
00400 PH (STANDARD UNITS)	08/01/90-07/28/92	24	7.15	7.529	9.2	6.8	0.547	0.74	6.9	6.9	8.175	8.8
00400 CONVERTED PH (STANDARD UNITS)	08/01/90-07/28/92	24	7.147	7.177	9.2	6.8	0.677	0.823	6.9	6.9	8.175	8.8
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/90-07/28/92	24	0.071	0.067	0.158	0.001	0.003	0.055	0.002	0.007	0.126	0.126
00500 RESIDUE, TOTAL (MG/L)	08/01/90-07/28/92	2	335.	335.	380.	290.	4050.	63.64	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/01/90-07/28/92	2	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/01/90-07/28/92	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/01/90-07/28/92	2	0.45	0.45	0.7	0.2	0.125	0.354	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/01/90-07/28/92	2	0.565	0.565	0.61	0.52	0.004	0.064	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/01/90-07/28/92	2	0.125	0.125	0.17	0.08	0.004	0.064	**	**	**	**
32209 CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/01/90-07/28/92	2	48.	48.	80.	16.	2048.	45.255	**	**	**	**
32213 PHEOPHYTIN-A,FLUORIMETRIC METHOD (UG/L)	08/01/90-07/28/92	2##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
32217 CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	08/01/90-07/28/92	2	44.5	44.5	72.	17.	1512.5	38.891	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/01/90-08/01/90	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0197

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00				2	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	24	12	0.50				24	12	0.50						
00400 PH	Other-Hi Lim.	9.	24	2	0.08				24	2	0.08						
	Other-Lo Lim.	6.5	24	0	0.00				24	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0198

NPS Station ID: GRSM0198 LAT/LON: 35.686670/ -83.036392 Agency: 21NC01WQ Date Created: 06/09/90
Location: WATERVILLE LAKE @ MOUTH OF WILKINS CREEK FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): E6415010 /FRBWL4SUR
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 1.70 On/Off RF1:
RF3 Index: 06010106001301.62 RF3 Mile Point: 3.13 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0198

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	08/01/90-08/01/90	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		08/01/90-08/01/90	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/01/90-08/01/90	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		08/01/90-08/01/90	1	53.	53.	53.	53.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0198

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0199

NPS Station ID: GRSM0199 LAT/LON: 35.686670/ -83.036392 Agency: 21NC01WQ Date Created: 06/09/90
Location: WATERVILLE LAKE @ MOUTH OF WILKINS CREEK
Station Type: /TYPA/AMBNT/LAKE
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
STORET Station ID(s): E6415020 /FRBWL4BOT
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 1.70 On/Off RF1:
RF3 Index: 06010106001301.62 RF3 Mile Point: 3.13 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0199

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: GRSM0200

NPS Station ID: GRSM0200 LAT/LON: 35.687505/ -83.035281 Agency: 131TVAC Date Created: 04/09/83
Location: WALTERS LAKE
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 370079
RMI-Indexes: 1021500 007720 00920 9300 2520
RMI-Miles: 0953.80 0046.50 652.10 073.80 039.00
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: PIGEON RIVER 39.0 ECO Region:
RF1 Index: 06010106013 RF1 Mile Point: 0.850 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106001301.62 RF3 Mile Point: 2.58 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/11/83-08/31/83	39	23.5	21.159	25.2	15.8	13.766	3.71	16.3	17.2	24.6	25.2
00080 COLOR (PLATINUM-COBALT UNITS)		05/11/83-08/31/83	6	95.	96.667	160.	40.	3146.667	56.095	**	**	**	**
00081 COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS		05/11/83-08/31/83	6	130.	137.5	250.	65.	5237.5	72.371	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		05/11/83-08/31/83	39	950.	647.231	1060.	259.	145131.603	380.961	259.	263.	1030.	1046.
00300 OXYGEN, DISSOLVED	MG/L	05/11/83-08/31/83	39	3.8	4.405	9.7	0.5	9.47	3.077	0.5	1.1	7.2	7.5
00303 BOD, 1DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	0.35	0.45	1.	0.	0.151	0.389	**	**	**	**
00304 BOD, 2 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	0.7	0.8	1.6	0.2	0.272	0.522	**	**	**	**
00305 BOD, 3 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	1.1	1.333	2.6	0.4	0.635	0.797	**	**	**	**
00306 BOD, 4 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	1.7	1.683	2.7	0.7	0.426	0.652	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	1.75	1.867	2.9	0.7	0.587	0.766	**	**	**	**
00312 BOD, 6 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	2.25	2.2	3.1	1.	0.556	0.746	**	**	**	**
00315 BOD, 7 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	2.55	2.533	3.5	1.4	0.555	0.745	**	**	**	**
00316 BOD, 8 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	2.85	2.883	3.9	1.9	0.646	0.804	**	**	**	**
00317 BOD, 9 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	4	3.05	3.05	4.	2.1	0.683	0.827	**	**	**	**
00322 BOD, 10 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	3.5	3.533	4.5	2.5	0.583	0.763	**	**	**	**
00323 BOD, 15 DAY, 20 DEG C	MG/L	08/31/83-08/31/83	3	4.2	4.233	4.8	3.7	0.303	0.551	**	**	**	**
00324 BOD, 20 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	5.5	5.617	7.3	4.	1.678	1.295	**	**	**	**
00327 BOD, 11DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	3.6	3.75	4.8	2.8	0.619	0.787	**	**	**	**
00328 BOD, 12 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	2	5.	5.	5.1	4.9	0.02	0.141	**	**	**	**
00329 BOD, 13 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	4.15	4.317	5.6	2.9	0.958	0.979	**	**	**	**
00333 BOD, 18 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	5.15	5.367	7.	4.	1.379	1.174	**	**	**	**
00336 BOD, 22 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	5.8	5.933	7.5	4.4	1.351	1.162	**	**	**	**
00345 BOD, 25 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	6.1	6.25	7.9	4.7	1.483	1.218	**	**	**	**
00347 BOD, 27 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	6.4	6.5	8.1	4.9	1.436	1.198	**	**	**	**
00348 BOD, 29 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	6.7	6.817	8.3	5.3	1.174	1.083	**	**	**	**
00353 BOD, 42 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	6.5	6.55	8.6	4.1	2.587	1.608	**	**	**	**
00356 BOD, 63 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	9.3	9.	9.8	8.	0.64	0.8	**	**	**	**
00357 BOD, 70 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	9.45	9.067	9.8	8.	0.703	0.838	**	**	**	**
00358 BOD, 77 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	9.8	9.35	10.	8.	0.703	0.838	**	**	**	**
00361 BOD, 98 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	11.	10.583	11.7	8.6	1.69	1.3	**	**	**	**
00363 BOD, 50 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	4	8.8	8.525	9.3	7.2	0.942	0.971	**	**	**	**
00364 BOD, 100 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	11.05	10.617	11.8	8.6	1.734	1.317	**	**	**	**
00400 PH (STANDARD UNITS)		05/11/83-08/31/83	38	6.8	6.798	7.3	6.5	0.056	0.236	6.5	6.6	6.92	7.195
00400 CONVERTED PH (STANDARD UNITS)		05/11/83-08/31/83	38	6.8	6.742	7.3	6.5	0.059	0.243	6.5	6.6	6.92	7.195
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/11/83-08/31/83	38	0.158	0.181	0.316	0.05	0.007	0.086	0.064	0.12	0.251	0.316
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		05/11/83-08/31/83	6	395.	393.333	610.	180.	52946.667	230.101	**	**	**	**
81254 BOD, 32 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	7.	7.033	8.3	5.7	0.939	0.969	**	**	**	**
81256 BOD, 34 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	7.2	7.183	8.4	5.8	0.914	0.956	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0200

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81257 BOD, 36 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	7.5	7.467	8.7	6.2	0.859	0.927	**	**	**	**
81260 BOD, 39 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	3	8.2	7.967	8.8	6.9	0.943	0.971	**	**	**	**
81261 BOD, 41 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	3	8.5	8.2	9.	7.1	0.97	0.985	**	**	**	**
81262 BOD, 43 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	3	8.7	8.4	9.1	7.4	0.79	0.889	**	**	**	**
81265 BOD, 46 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	8.3	8.117	9.1	6.8	0.814	0.902	**	**	**	**
81267 BOD, 48 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	3	8.8	8.433	9.1	7.4	0.823	0.907	**	**	**	**
81268 BOD, 51 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	2	8.15	8.15	8.8	7.5	0.845	0.919	**	**	**	**
81270 BOD, 53 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	8.8	8.533	9.3	7.3	0.723	0.85	**	**	**	**
81272 BOD, 55 DAY, 20 DEG C	MG/L	05/11/83-05/11/83	3	9.	8.667	9.3	7.7	0.723	0.85	**	**	**	**
81273 BOD, 57 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	5	9.1	8.66	9.6	7.6	0.883	0.94	**	**	**	**
81274 BOD, 58 DAY, 20 DEG C	MG/L	08/31/83-08/31/83	1	8.7	8.7	8.7	8.7	0.	0.	**	**	**	**
81276 BOD, 60 DAY, 20 DEG C	MG/L	05/11/83-08/31/83	6	9.05	8.8	9.6	7.7	0.724	0.851	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0200

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	39	20	0.51				39	20	0.51						
00400 PH	Other-Hi Lim.	9.	38	0	0.00				38	0	0.00						
	Other-Lo Lim.	6.5	38	6	0.16				38	6	0.16						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0201

NPS Station ID: GRSM0201 LAT/LON: 35.687781/ -83.059449 Agency: 131TVAC Date Created: 05/21/83
Location: TRIBUTARY TO PIGEON RIVER 38.05
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 370129
RMI-Indexes: 1021500 007720 00920 9300 2520 2060
RMI-Miles: 0953.80 0046.50 652.10 073.80 038.05 000.90
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: CATALOOCHEE CREEK 0.9 ECO Region:
RF1 Index: 06010106012 RF1 Mile Point: 0.740 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106002900.00 RF3 Mile Point: 0.13 Distance from RF3: 0.07 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0201

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/11/83-08/31/83	5	16.8	16.46	20.5	13.5	8.263	2.875	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/11/83-08/31/83	5	41.	106.8	302.	22.	14307.7	119.615	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	05/11/83-08/31/83	5	9.	9.24	9.8	8.8	0.223	0.472	**	**	**	**
00400 PH (STANDARD UNITS)	05/11/83-08/31/83	5	7.26	7.194	7.35	6.8	0.051	0.227	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/11/83-08/31/83	5	7.26	7.138	7.35	6.8	0.055	0.235	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/83-08/31/83	5	0.055	0.073	0.158	0.045	0.002	0.048	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0201

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00				5	0	0.00						
00400 PH	Other-Hi Lim.	9.	5	0	0.00				5	0	0.00						
	Other-Lo Lim.	6.5	5	0	0.00				5	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0202

NPS Station ID: GRSM0202 LAT/LON: 35.687781/ -83.535281 Agency: 131TVAC Date Created: / /
Location:
Station Type: /TYPA/AMBNT/STREAM
FIPS State/County: 47155 TENNESSEE/SEVIER
STORET Station ID(s): 475463 /5308
RMI-Indexes: 1021500 007720 00920 9300 1120 0220
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 020.66
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: WEST PRONG LITTLE PIGEON RIVER 20.66 ECO Region:
RF1 Index: 06010107015 RF1 Mile Point: 3.120 Distance from RF1: 1.00 On/Off RF1: OFF
RF3 Index: 06010107001100.25 RF3 Mile Point: 0.48 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0202

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/08/68-03/18/75	18	11.7	12.072	21.	2.	36.314	6.025	2.9	7.875	17.85	21.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	01/08/68-03/18/75	18	50.5	92.5	470.	19.	12592.382	112.215	19.9	31.75	112.	272.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		01/08/68-03/18/75	19	1.2	2.816	25.	0.5	31.038	5.571	0.5	0.5	2.	6.
00080 COLOR (PLATINUM-COBALT UNITS)		01/08/68-03/18/75	19	5.	6.632	15.	2.5	15.996	3.999	2.5	5.	6.	15.
00081 COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS		04/24/74-01/14/75	5	5.	6.5	15.	2.5	23.75	4.873	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		01/08/68-03/18/75	19	25.	26.	36.	21.	16.111	4.014	21.	23.	29.	32.
00300 OXYGEN, DISSOLVED	MG/L	01/08/68-03/18/75	19	10.7	10.647	13.7	8.5	2.036	1.427	9.	9.2	11.4	13.
00310 BOD, 5 DAY, 20 DEG C	MG/L	01/08/68-03/18/75	19##	0.5	0.742	1.8	0.5	0.174	0.417	0.5	0.5	1.	1.7
00335 COD, .025N K2CR2O7	MG/L	04/24/74-01/14/75	4##	0.5	2.625	9.	0.5	18.063	4.25	**	**	**	**
00400 PH (STANDARD UNITS)		01/08/68-03/18/75	19	6.2	6.284	7.3	5.2	0.364	0.603	5.4	5.9	6.8	7.3
00400 CONVERTED PH (STANDARD UNITS)		01/08/68-03/18/75	19	6.2	5.938	7.3	5.2	0.49	0.7	5.4	5.9	6.8	7.3
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		01/08/68-03/18/75	19	0.631	1.153	6.31	0.05	2.51	1.584	0.05	0.158	1.259	3.981
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		01/08/68-03/18/75	19	3.	4.158	14.	1.	8.474	2.911	2.	3.	5.	8.
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)		01/08/68-03/18/75	19	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500 RESIDUE, TOTAL (MG/L)		01/08/68-07/29/68	5	30.	26.	40.	10.	130.	11.402	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		01/08/68-07/29/68	5	30.	23.	30.	5.	120.	10.954	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		04/24/74-03/18/75	13##	0.5	0.962	2.	0.5	0.394	0.628	0.5	0.5	1.5	2.
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		01/08/68-03/18/75	19	0.11	0.167	0.53	0.02	0.022	0.149	0.03	0.06	0.33	0.41
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		01/08/68-03/18/75	19	0.01	0.083	1.	0.005	0.052	0.228	0.005	0.005	0.02	0.21
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)		01/08/68-06/20/74	8##	0.005	0.009	0.02	0.005	0.	0.007	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)		01/08/68-06/20/74	8	0.425	0.426	0.64	0.27	0.02	0.142	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		04/24/74-03/18/75	11	0.53	0.555	0.69	0.42	0.009	0.092	0.424	0.48	0.64	0.68
00665 PHOSPHORUS, TOTAL (MG/L AS P)		03/11/68-03/18/75	18	0.01	0.014	0.04	0.002	0.	0.009	0.003	0.01	0.02	0.022
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		01/08/68-03/18/75	18	0.009	0.011	0.04	0.002	0.	0.009	0.003	0.005	0.014	0.022
00680 CARBON, TOTAL ORGANIC (MG/L AS C)		04/24/74-01/14/75	4	0.65	0.8	1.4	0.5	0.167	0.408	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS CA)		01/08/68-03/18/75	18	2.	1.847	3.	0.25	0.832	0.912	0.475	1.	3.	3.
00927 MAGNESIUM, TOTAL (MG/L AS MG)		01/08/68-03/18/75	18	0.6	0.625	1.1	0.25	0.049	0.221	0.385	0.5	0.8	1.01
00929 SODIUM, TOTAL (MG/L AS NA)		01/08/68-03/18/75	19	0.8	1.8	18.7	0.4	16.819	4.101	0.6	0.7	1.	1.5
00937 POTASSIUM, TOTAL MG/L AS K)		01/08/68-03/18/75	19	0.4	0.637	3.9	0.3	0.659	0.812	0.3	0.3	0.5	1.
00940 CHLORIDE,TOTAL IN WATER	MG/L	01/08/68-03/18/75	19	2.	1.737	4.	0.5	0.621	0.788	0.5	1.	2.	2.
00945 SULFATE, TOTAL (MG/L AS SO4)		01/08/68-03/18/75	19	3.	3.158	10.	1.	3.585	1.893	2.	2.	4.	4.
00951 FLUORIDE, TOTAL (MG/L AS F)		03/11/68-03/18/75	16	0.04	0.044	0.09	0.02	0.	0.019	0.02	0.03	0.05	0.076
00956 SILICA, TOTAL (MG/L AS SIO2)		01/08/68-03/18/75	19	4.7	4.516	6.3	2.	1.737	1.318	2.2	3.7	5.8	6.
01002 ARSENIC, TOTAL (UG/L AS AS)		04/24/74-01/14/75	4##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007 BARIUM, TOTAL (UG/L AS BA)		04/24/74-01/14/75	5##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)		04/24/74-01/14/75	5##	5.	5.	5.	5.	0.	0.	**	**	**	**
01022 BORON, TOTAL (UG/L AS B)		04/24/74-01/14/75	4##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		04/24/74-01/14/75	5##	0.5	1.2	4.	0.5	2.45	1.565	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0202

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/24/74-01/14/75	5##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	01/08/68-03/18/75	18##	5.	22.222	90.	5.	685.948	26.191	5.	5.	32.5	72.
01045 IRON, TOTAL (UG/L AS FE)	01/08/68-03/18/75	18	65.	99.444	260.	25.	7605.556	87.21	25.	25.	185.	242.
01046 IRON, DISSOLVED (UG/L AS FE)	01/08/68-03/18/75	19##	25.	29.211	80.	25.	184.064	13.567	25.	25.	25.	50.
01047 IRON, FERROUS (UG/L AS FE)	01/08/68-03/18/75	18	40.	38.333	100.	20.	341.176	18.471	20.	25.	42.5	55.
01051 LEAD, TOTAL (UG/L AS PB)	04/24/74-01/14/75	5##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	01/08/68-03/18/75	18##	5.	10.556	60.	5.	187.908	13.708	5.	5.	10.	33.
01056 MANGANESE, DISSOLVED (UG/L AS MN)	01/08/68-03/18/75	19##	5.	7.105	20.	5.	14.766	3.843	5.	5.	10.	10.
01067 NICKEL, TOTAL (UG/L AS NI)	04/24/74-01/14/75	5##	25.	25.	25.	25.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	04/24/74-01/14/75	5##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	01/08/68-03/18/75	18	10.	35.556	170.	5.	2837.908	53.272	5.	5.	45.	170.
01105 ALUMINUM, TOTAL (UG/L AS AL)	04/24/74-01/14/75	5##	100.	190.	500.	50.	33000.	181.659	**	**	**	**
01132 LITHIUM, TOTAL (UG/L AS LI)	04/24/74-01/14/75	5##	5.	5.	5.	5.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	04/24/74-01/14/75	4##	1.	1.	1.	1.	0.	0.	**	**	**	**
01152 TITANIUM, TOTAL (UG/L AS TI)	04/24/74-01/14/75	5##	500.	500.	500.	500.	0.	0.	**	**	**	**
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	01/08/68-03/18/75	19##	5.	3510.526	60000.	5.	188148288.596	13716.716	5.	5.	70.	3600.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	01/08/68-03/18/75	19##	0.699	1.405	4.778	0.699	1.501	1.225	0.699	0.699	1.845	3.556
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3		GEOMETRIC MEAN =		25.412								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/08/68-03/18/75	18##	5.	7.222	30.	5.	44.771	6.691	5.	5.	5.	21.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/08/68-03/18/75	18##	0.699	0.776	1.477	0.699	0.051	0.225	0.699	0.699	0.699	1.319
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		5.966								
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	01/08/68-03/18/75	16	7.	7.688	12.	2.	7.963	2.822	4.1	5.25	10.	12.
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/24/74-03/18/75	13	20.	16.538	20.	5.	30.769	5.547	7.	10.	20.	20.
71900 MERCURY, TOTAL (UG/L AS HG)	04/24/74-01/14/75	4##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GRSM0202

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	19	0	0.00	9	0	0.00	10	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	19	0	0.00	9	0	0.00	10	0	0.00						
00400 PH	Other-Hi Lim.	9.	19	0	0.00	9	0	0.00	10	0	0.00						
	Other-Lo Lim.	6.5	19	13	0.68	9	7	0.78	10	6	0.60						
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	2	0	0.00	6	0	0.00						
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	8	0	0.00	2	0	0.00	6	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	7	0	0.00	4	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	19	0	0.00	9	0	0.00	10	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	19	0	0.00	9	0	0.00	10	0	0.00						
01002 ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	2	0	0.00	2	0	0.00						
	Drinking Water	50.	4	0	0.00	2	0	0.00	2	0	0.00						
01007 BARIUM, TOTAL	Drinking Water	2000.	5	0	0.00	2	0	0.00	3	0	0.00						
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	5	0	0.00	2	0	0.00	3	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	5	1	0.20	2	1	0.50	3	0	0.00						
	Drinking Water	5.	5	0	0.00	2	0	0.00	3	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00	2	0	0.00	3	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	18	8	0.44	9	4	0.44	9	4	0.44						
	Drinking Water	1300.	18	0	0.00	9	0	0.00	9	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	5	0	0.00	2	0	0.00	3	0	0.00						
	Drinking Water	5.	0&	0	0.00												
01067 NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	2	0	0.00	3	0	0.00						
	Drinking Water	100.	5	0	0.00	2	0	0.00	3	0	0.00						
01077 SILVER, TOTAL	Fresh Acute	4.1	0&	0	0.00												
	Drinking Water	50.	5	0	0.00	2	0	0.00	3	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	18	2	0.11	9	0	0.00	9	2	0.22						
01147 SELENIUM, TOTAL	Fresh Acute	20.	4	0	0.00	2	0	0.00	2	0	0.00						
	Drinking Water	50.	4	0	0.00	2	0	0.00	2	0	0.00						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED,	Other-Hi Lim.	1000.	19	3	0.16	9	1	0.11	10	2	0.20						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	18	0	0.00	9	0	0.00	9	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0202

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
71900 MERCURY, TOTAL	Fresh Acute	2.4	4	0	0.00	2	0	0.00	2	0	0.00						
	Drinking Water	2.	4	0	0.00	2	0	0.00	2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0203

NPS Station ID: GRSM0203 LAT/LON: 35.688615/ -83.056115 Agency: 21NC01WQ Date Created: 06/09/90
Location: WATERVILLE LAKE IN CATALOOCHEE CREEK ARM FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): E6470000 /FRB049D /FRBWL6
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 1.70 On/Off RF1:
RF3 Index: 06010106001301.62 RF3 Mile Point: 3.13 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0203

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/01/90-07/28/92	16	23.95	24.094	25.6	23.4	0.398	0.631	23.47	23.625	24.35	25.39
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/01/90-07/28/92	2	3.8	3.8	4.4	3.2	0.72	0.849	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	08/01/90-07/28/92	2	0.9	0.9	1.2	0.6	0.18	0.424	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/01/90-07/28/92	16	412.	384.188	446.	131.	5924.963	76.974	270.3	348.	425.	443.2
00300 OXYGEN, DISSOLVED MG/L	08/01/90-07/28/92	16	6.	5.306	10.8	0.6	8.642	2.94	1.09	2.475	6.65	9.61
00400 PH (STANDARD UNITS)	08/01/90-07/28/92	16	7.5	7.662	9.1	7.	0.4	0.632	7.	7.175	8.	8.89
00400 CONVERTED PH (STANDARD UNITS)	08/01/90-07/28/92	16	7.5	7.393	9.1	7.	0.477	0.691	7.	7.175	8.	8.89
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/01/90-07/28/92	16	0.032	0.04	0.1	0.001	0.001	0.035	0.001	0.011	0.07	0.1
00500 RESIDUE, TOTAL (MG/L)	08/01/90-07/28/92	2	315.	315.	360.	270.	4050.	63.64	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/01/90-07/28/92	2	5.	5.	7.	3.	8.	2.828	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/01/90-07/28/92	2	0.05	0.05	0.06	0.04	0.	0.014	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/01/90-07/28/92	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/01/90-07/28/92	2	0.525	0.525	0.55	0.5	0.001	0.035	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	08/01/90-07/28/92	2	0.11	0.11	0.14	0.08	0.002	0.042	**	**	**	**
32209 CHLOROPHYLL A UG/L FLUOROMETRIC CORRECTED	08/01/90-07/28/92	2	26.5	26.5	39.	14.	312.5	17.678	**	**	**	**
32213 PHEOPHYTIN-A,FLUORIMETRIC METHOD (UG/L)	08/01/90-07/28/92	2##	1.25	1.25	2.	0.5	1.125	1.061	**	**	**	**
32217 CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	08/01/90-07/28/92	2	26.5	26.5	38.	15.	264.5	16.263	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/01/90-08/01/90	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0203

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00				2	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	16	6	0.38				16	6	0.38						
00400 PH	Other-Hi Lim.	9.	16	1	0.06				16	1	0.06						
	Other-Lo Lim.	6.5	16	0	0.00				16	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0204

NPS Station ID: GRSM0204 LAT/LON: 35.688615/ -83.056115 Agency: 21NC01WQ Date Created: 06/09/90
Location: WATERVILLE LAKE IN CATALOOCHEE CREEK ARM
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): E64700100 /FRB049DSUR /FRBWL6SUR
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 0.50 On/Off RF1:
RF3 Index: 06010106001200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0204

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 PH, LAB, STANDARD UNITS	SU	08/01/90-08/01/90	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		08/01/90-08/01/90	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		08/01/90-08/01/90	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		08/01/90-08/01/90	1	50.	50.	50.	50.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0204

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion compari[illegible] for this parameter

Station Inventory for Station: GRSM0205

NPS Station ID: GRSM0205 LAT/LON: 35.688615/ -83.056115 Agency: 21NC01WQ Date Created: 06/09/90
Location: WATERVILLE LAKE IN CATALOOCHEE CREEK ARM FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): E6470020 /FRB049DBOT /FRBWL6BOT
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 0.50 On/Off RF1:
RF3 Index: 06010106001200.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0205

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: GRSM0206

NPS Station ID: GRSM0206
Location: CORRELL BRANCH
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 06010106
Major Basin:
Minor Basin:
RF1 Index: 06010106
RF3 Index: 06010106046600.00
Description:

LAT/LON: 35.690281/ -83.108616
Depth of Water: 0
Elevation: 1237
RF1 Mile Point: 0.000
RF3 Mile Point: 0.00

Agency: 12NSS
Date Created: 10/22/88
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
STORET Station ID(s): 2A07812U /2AS2A07812U

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 10.10
Distance from RF3: 0.02
On/Off RF1:
On/Off RF3:

THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN:

Parameter Inventory for Station: GRSM0206

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/08/85-07/08/85	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)		07/08/85-07/08/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)		07/08/85-07/08/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		07/08/85-07/08/85	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	07/08/85-07/08/85	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	07/08/85-07/08/85	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS		07/08/85-07/08/85	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		07/08/85-07/08/85	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS	UEQ/L	07/08/85-07/08/85	1	86.4	86.4	86.4	86.4	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)		07/08/85-07/08/85	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)		07/08/85-07/08/85	1	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)		07/08/85-07/08/85	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)		07/08/85-07/08/85	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)		07/08/85-07/08/85	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		07/08/85-07/08/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)		07/08/85-07/08/85	1	1.12	1.12	1.12	1.12	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)		07/08/85-07/08/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER	MG/L	07/08/85-07/08/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)		07/08/85-07/08/85	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)		07/08/85-07/08/85	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)		07/08/85-07/08/85	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)		07/08/85-07/08/85	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)		07/08/85-07/08/85	1	81.	81.	81.	81.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		07/08/85-07/08/85	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)		07/08/85-07/08/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL		07/08/85-07/08/85	1	4060.	4060.	4060.	4060.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS,	NTU	07/08/85-07/08/85	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
83509	STREAM, WIDTH	METER	07/08/85-07/08/85	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0206

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00				1	1	1.00						
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0212

NPS Station ID: GRSM0212 LAT/LON: 35.694726/ -83.049727 Agency: 21NC01WQ Date Created: 06/09/90
Location: WATERVILLE LAKE AT DAM NR HEPCO NC
Station Type: /TYPA/AMBNT/LAKE
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
STORET Station ID(s): E6475020 /FRB049FBOT /FRBWL8BOT
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 0.70 On/Off RF1:
RF3 Index: 06010106001300.27 RF3 Mile Point: 1.10 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0212

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data at this Station Suitable for Statistical Analysis ********

Station Inventory for Station: GRSM0213

NPS Station ID: GRSM0213 LAT/LON: 35.699449/ -83.383615 Agency: 12NSS Date Created: 10/22/88
Location: FALSE GAP PRONG
FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2A07811L /2AS2A07811L
RMI-Indexes:
RMI-Miles:
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 549 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107 RF1 Mile Point: 0.000 Distance from RF1: 0.90 On/Off RF1:
RF3 Index: 06010201003226.38 RF3 Mile Point: 27.15 Distance from RF3: 0.00 On/Off RF3:
Description:

THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN:

Parameter Inventory for Station: GRSM0213

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/28/85-07/16/85	4	12.	12.7	19.	7.8	23.06	4.802	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)		03/28/85-07/16/85	4	1.	1.	1.	1.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)		03/28/85-07/16/85	4	10.	11.25	15.	10.	6.25	2.5	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/28/85-07/16/85	4	14.5	14.75	16.	14.	0.917	0.957	**	**	**	**
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	03/28/85-07/16/85	4	9.75	9.7	10.9	8.4	1.327	1.152	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	03/28/85-07/16/85	4	6.4	6.425	6.6	6.3	0.016	0.126	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS		03/28/85-07/16/85	4	6.4	6.412	6.6	6.3	0.016	0.127	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/28/85-07/16/85	4	0.398	0.387	0.501	0.251	0.011	0.103	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS	UEQ/L	03/28/85-07/16/85	4	18.3	21.725	37.3	13.	114.083	10.681	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)		03/28/85-07/16/85	4	0.85	0.775	1.	0.4	0.069	0.263	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)		03/28/85-07/16/85	4	0.007	0.007	0.011	0.004	0.	0.003	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)		03/28/85-07/16/85	4	0.45	0.45	0.5	0.4	0.003	0.058	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)		03/28/85-07/16/85	4	0.4	0.375	0.5	0.2	0.016	0.126	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)		03/28/85-07/16/85	4	1.	1.025	1.2	0.9	0.016	0.126	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		03/28/85-07/16/85	4	0.35	0.35	0.4	0.3	0.003	0.058	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)		03/28/85-07/16/85	4	0.655	0.678	0.78	0.62	0.005	0.073	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)		03/28/85-07/16/85	4	0.39	0.375	0.42	0.3	0.003	0.053	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER	MG/L	03/28/85-07/16/85	4	0.4	0.425	0.5	0.4	0.002	0.05	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)		03/28/85-07/16/85	4	2.	2.075	2.3	2.	0.022	0.15	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)		03/28/85-07/16/85	4	0.025	0.025	0.03	0.02	0.	0.006	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)		03/28/85-07/16/85	4	4.7	4.8	5.6	4.2	0.447	0.668	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)		03/28/85-07/16/85	4	0.	0.625	2.5	0.	1.563	1.25	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)		03/28/85-07/16/85	4	53.	157.75	496.	29.	50980.917	225.79	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		03/28/85-07/16/85	4	2.25	2.2	2.8	1.5	0.3	0.548	**	**	**	**
71885	IRON (UG/L AS FE)		03/28/85-07/16/85	4	0.45	0.4	0.7	0.	0.087	0.294	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL		03/28/85-07/16/85	4	1800.	1800.	1800.	1800.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS.	NTU	03/28/85-07/16/85	4	0.25	0.225	0.3	0.1	0.009	0.096	**	**	**	**
83509	STREAM, WIDTH	METER	03/28/85-07/16/85	4	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0213

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	1	0	0.00	3	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	4	0	0.00	1	0	0.00	3	0	0.00						
	Other-Lo Lim.	6.5	4	3	0.75	1	1	1.00	3	2	0.67						
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	4	4	1.00	1	1	1.00	3	3	1.00						
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00	3	0	0.00						
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	4	0	0.00	1	0	0.00	3	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00	3	0	0.00						
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	4	0	0.00	1	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0214

NPS Station ID: GRSM0214 LAT/LON: 35.706948/ -83.525559 Agency: 112WRD Date Created: 07/18/78
Location: SV:E-11, GATLINBURG, TN (GAT-5) FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 354225083313200
RMI-Indexes:
RMI-Miles:
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010107049100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0214

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/05/78-05/05/78	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00059 FLOW, RATE, INSTANTANEOUS GALLONS/MIN	05/05/78-05/05/78	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	05/05/78-05/05/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	05/05/78-05/05/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/05/78-05/05/78	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/05/78-05/05/78	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/05/78-05/05/78	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/05/78-05/05/78	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00405 CARBON DIOXIDE (MG/L AS CO2)	05/05/78-05/05/78	1	3.6	3.6	3.6	3.6	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/05/78-05/05/78	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	05/05/78-05/05/78	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	05/05/78-05/05/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/05/78-05/05/78	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/05/78-05/05/78	1	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/05/78-05/05/78	1	0.39	0.39	0.39	0.39	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/05/78-05/05/78	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/05/78-05/05/78	1	4.2	4.2	4.2	4.2	0.	0.	**	**	**	**
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	05/05/78-05/05/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/05/78-05/05/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/05/78-05/05/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	05/05/78-05/05/78	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	05/05/78-05/05/78	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/05/78-05/05/78	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	05/05/78-05/05/78	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	05/05/78-05/05/78	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	05/05/78-05/05/78	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	05/05/78-05/05/78	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/05/78-05/05/78	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/05/78-05/05/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	05/05/78-05/05/78	1	19.	19.	19.	19.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	05/05/78-05/05/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01007 BARIUM, TOTAL (UG/L AS BA)	05/05/78-05/05/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/05/78-05/05/78	1##	0.	0.	0.	0.	0.	0.	**	**	**	**
01032 CHROMIUM, HEXAVALENT (UG/L AS CR)	05/05/78-05/05/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/05/78-05/05/78	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	05/05/78-05/05/78	1	70.	70.	70.	70.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	05/05/78-05/05/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/05/78-05/05/78	1	14.	14.	14.	14.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0214

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055 MANGANESE, TOTAL (UG/L AS MN)	05/05/78-05/05/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	05/05/78-05/05/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	05/05/78-05/05/78	1##	0.	0.	0.	0.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/05/78-05/05/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	05/05/78-05/05/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/05/78-05/05/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/05/78-05/05/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/05/78-05/05/78	1	72.	72.	72.	72.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/05/78-05/05/78	1	69.	69.	69.	69.	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/05/78-05/05/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/05/78-05/05/78	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	05/05/78-05/05/78	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0214

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00720 CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01007 BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
01032 CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	1	1.00				1	1	1.00						
01077 SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0215

NPS Station ID: GRSM0215 LAT/LON: 35.707505/ -83.524449 Agency: 131TVAC Date Created: / /
Location: OWNBY STREET BRIDGE 0.2 MILE ABOVE LE CONTE CR.
FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475464 /5305
RMI-Indexes: 1021500 007720 00920 9300 1120 0220
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 018.89
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: WEST PRONG LITTLE PIGEON RIVER 18.89 ECO Region:
RF1 Index: 06010107 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010107001502.87 RF3 Mile Point: 3.05 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0215

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/08/68-03/18/75	22	14.5	13.182	24.	2.	42.411	6.512	3.42	8.45	17.75	22.
00061	FLOW, STREAM, INSTANTANEOUS	CFS	01/08/68-03/18/75	20	59.5	107.45	570.	22.	16696.892	129.216	24.4	40.75	116.75	289.
00070	TURBIDITY, (JACKSON CANDLE UNITS)		04/24/74-03/18/75	14	0.95	1.2	4.3	0.5	1.092	1.045	0.5	0.5	1.4	3.4
00080	COLOR (PLATINUM-COBALT UNITS)		04/24/74-03/18/75	14	5.	5.464	15.	2.5	8.018	2.832	3.25	5.	5.	10.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/24/74-04/24/74	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED	MG/L	01/08/68-03/18/75	22	10.35	10.436	13.5	8.3	2.32	1.523	8.43	9.2	11.3	12.85
00310	BOD, 5 DAY, 20 DEG C	MG/L	04/24/74-03/18/75	14##	0.5	0.543	1.1	0.5	0.026	0.16	0.5	0.5	0.5	0.8
00400	PH (STANDARD UNITS)		03/11/68-03/18/75	18	6.2	6.256	7.3	5.2	0.331	0.575	5.47	5.75	6.625	7.12
00400	CONVERTED PH (STANDARD UNITS)		03/11/68-03/18/75	18	6.2	5.926	7.3	5.2	0.446	0.668	5.47	5.75	6.625	7.12
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/11/68-03/18/75	18	0.631	1.187	6.31	0.05	2.519	1.587	0.077	0.238	1.817	3.477
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		03/11/68-03/18/75	16	4.	4.688	14.	1.	11.429	3.381	1.7	2.25	5.75	10.5
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		03/11/68-03/18/75	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		04/24/74-03/18/75	14	1.	1.214	4.	0.5	0.989	0.994	0.5	0.5	2.	3.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C		01/08/68-03/18/75	22##	5.	329.318	2500.	5.	522610.227	722.918	5.	5.	122.5	1909.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,		01/08/68-03/18/75	22##	0.699	1.374	3.398	0.699	0.989	0.994	0.699	0.699	2.027	3.27
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3				GEOMETRIC MEAN =	23.635								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		01/08/68-03/18/75	21##	5.	138.095	2170.	5.	227336.19	476.798	5.	5.	7.5	400.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		01/08/68-03/18/75	21##	0.699	1.046	3.336	0.699	0.566	0.752	0.699	0.699	0.849	2.554
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	11.122								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/24/74-03/18/75	14	20.	18.214	30.	5.	52.335	7.234	7.5	10.	20.	30.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0215

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	14	0	0.00	7	0	0.00	7	0	0.00						
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	22	0	0.00	9	0	0.00	13	0	0.00						
00400	PH	Other-Hi Lim.	9.	18	0	0.00	8	0	0.00	10	0	0.00						
		Other-Lo Lim.	6.5	18	12	0.67	8	7	0.88	10	5	0.50						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	22	3	0.14	9	0	0.00	13	3	0.23						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	21	2	0.10	9	0	0.00	12	2	0.17						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0216

NPS Station ID: GRSM0216 LAT/LON: 35.708338/ -83.515560 Agency: 112WRD Date Created: 07/18/78
Location: SV:E-5,GATLINBURG,TN.(GAT-9) FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 354230083305600
RMI-Indexes:
RMI-Miles:
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107 RF1 Mile Point: 0.000 Distance from RF1: 0.40 On/Off RF1:
RF3 Index: 06010107001501.24 RF3 Mile Point: 1.47 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0216

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/04/78-05/04/78	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00059 FLOW, RATE, INSTANTANEOUS GALLONS/MIN	05/04/78-05/04/78	1	57.	57.	57.	57.	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	05/04/78-05/04/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	05/04/78-05/04/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/04/78-05/04/78	1	110.	110.	110.	110.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/04/78-05/04/78	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/04/78-05/04/78	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/04/78-05/04/78	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**
00405 CARBON DIOXIDE (MG/L AS CO2)	05/04/78-05/04/78	1	27.	27.	27.	27.	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/04/78-05/04/78	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	05/04/78-05/04/78	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	05/04/78-05/04/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/04/78-05/04/78	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/04/78-05/04/78	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/04/78-05/04/78	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/04/78-05/04/78	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/04/78-05/04/78	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	05/04/78-05/04/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/04/78-05/04/78	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/04/78-05/04/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	05/04/78-05/04/78	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	05/04/78-05/04/78	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/04/78-05/04/78	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	05/04/78-05/04/78	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	05/04/78-05/04/78	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	05/04/78-05/04/78	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	05/04/78-05/04/78	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/04/78-05/04/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/04/78-05/04/78	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	05/04/78-05/04/78	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	05/04/78-05/04/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01007 BARIUM, TOTAL (UG/L AS BA)	05/04/78-05/04/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/04/78-05/04/78	1##	0.	0.	0.	0.	0.	0.	**	**	**	**
01032 CHROMIUM, HEXAVALENT (UG/L AS CR)	05/04/78-05/04/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/04/78-05/04/78	1##	0.	0.	0.	0.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	05/04/78-05/04/78	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	05/04/78-05/04/78	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/04/78-05/04/78	1##	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0216

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055 MANGANESE, TOTAL (UG/L AS MN)	05/04/78-05/04/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	05/04/78-05/04/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	05/04/78-05/04/78	1	4.	4.	4.	4.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/04/78-05/04/78	1	140.	140.	140.	140.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	05/04/78-05/04/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/04/78-05/04/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/04/78-05/04/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/04/78-05/04/78	1	58.	58.	58.	58.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/04/78-05/04/78	1	67.	67.	67.	67.	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/04/78-05/04/78	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/04/78-05/04/78	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	05/04/78-05/04/78	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0216

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00720 CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01007 BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
01032 CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
01077 SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	1	1.00				1	1	1.00						
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0217

NPS Station ID: GRSM0217 LAT/LON: 35.708338/ -83.519170 Agency: 112WRD Date Created: 07/18/78
Location: SV:E-2,GATLINBURG,TN.(GAT-6) FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 354230083310900
RMI-Indexes:
RMI-Miles:
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107 RF1 Mile Point: 0.000 Distance from RF1: 1.30 On/Off RF1:
RF3 Index: 06010107004100.00 RF3 Mile Point: 0.16 Distance from RF3: 0.14 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0217

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/06/78-05/06/78	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00059 FLOW, RATE, INSTANTANEOUS GALLONS/MIN	05/06/78-05/06/78	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	05/06/78-05/06/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	05/06/78-05/06/78	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/06/78-05/06/78	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	05/06/78-05/06/78	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	05/06/78-05/06/78	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/06/78-05/06/78	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00405 CARBON DIOXIDE (MG/L AS CO2)	05/06/78-05/06/78	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/06/78-05/06/78	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	05/06/78-05/06/78	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	05/06/78-05/06/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/06/78-05/06/78	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/06/78-05/06/78	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/06/78-05/06/78	1	3.3	3.3	3.3	3.3	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/06/78-05/06/78	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/06/78-05/06/78	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	05/06/78-05/06/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/06/78-05/06/78	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/06/78-05/06/78	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	05/06/78-05/06/78	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	05/06/78-05/06/78	1	2.9	2.9	2.9	2.9	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	05/06/78-05/06/78	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	05/06/78-05/06/78	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	05/06/78-05/06/78	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	05/06/78-05/06/78	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	05/06/78-05/06/78	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/06/78-05/06/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	05/06/78-05/06/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	05/06/78-05/06/78	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	05/06/78-05/06/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01007 BARIUM, TOTAL (UG/L AS BA)	05/06/78-05/06/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/06/78-05/06/78	1##	0.	0.	0.	0.	0.	0.	**	**	**	**
01032 CHROMIUM, HEXAVALENT (UG/L AS CR)	05/06/78-05/06/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/06/78-05/06/78	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	05/06/78-05/06/78	1	400.	400.	400.	400.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	05/06/78-05/06/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/06/78-05/06/78	1	7.	7.	7.	7.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0217

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01055 MANGANESE, TOTAL (UG/L AS MN)	05/06/78-05/06/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	05/06/78-05/06/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	05/06/78-05/06/78	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/06/78-05/06/78	1	180.	180.	180.	180.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	05/06/78-05/06/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	05/06/78-05/06/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/06/78-05/06/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/06/78-05/06/78	1	101.	101.	101.	101.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	05/06/78-05/06/78	1	82.	82.	82.	82.	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	05/06/78-05/06/78	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	05/06/78-05/06/78	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	05/06/78-05/06/78	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0217

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00720 CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01007 BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						
01032 CHROMIUM, HEXAVALENT	Fresh Acute	16.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	1	1.00				1	1	1.00						
01077 SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	1	1.00				1	1	1.00						
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0218

NPS Station ID: GRSM0218 LAT/LON: 35.725004/ -83.511949 Agency: 21TNWQ Date Created: 09/11/82
Location: W PRONG LITTLE PIGEON R 16.35 QUAD 157NE
Station Type: /TYPA/AMBNT/STREAM
FIPS State/County: 47155 TENNESSEE/SEVIER
STORET Station ID(s): LPIGEONIS13
RMI-Indexes: 1021500 007720 00920 9300 1120 0220
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 016.35
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107014 RF1 Mile Point: 9.220 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107001500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:
100 YDS D/S OF GATLINBURG WWTP

WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0218

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/15/81-07/23/81	4	16.	15.775	23.6	7.5	43.269	6.578	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/15/81-08/13/81	5	9.2	8.74	9.8	7.7	0.878	0.937	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/15/81-08/13/81	5	1.	2.44	6.	1.	4.868	2.206	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	04/15/81-08/13/81	5	5.	8.8	16.	5.	28.2	5.31	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	04/15/81-08/13/81	5	7.3	7.32	7.5	7.	0.042	0.205	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		04/15/81-08/13/81	5	7.3	7.278	7.5	7.	0.044	0.21	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/15/81-08/13/81	5	0.05	0.053	0.1	0.032	0.001	0.028	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/15/81-08/13/81	5	0.47	3.07	11.	0.02	21.467	4.633	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		04/15/81-08/13/81	5	0.47	0.532	0.86	0.28	0.05	0.224	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		04/15/81-08/13/81	5	0.9	1.38	3.8	0.3	1.967	1.402	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/15/81-08/13/81	5	0.25	0.338	0.83	0.01	0.114	0.338	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		07/23/81-08/13/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		07/23/81-08/13/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		07/23/81-08/13/81	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		07/23/81-08/13/81	2	365.	365.	420.	310.	6050.	77.782	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		07/23/81-08/13/81	2	10.	10.	10.	10.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		07/23/81-08/13/81	2	24.5	24.5	26.	23.	4.5	2.121	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)		07/23/81-08/13/81	2	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		07/23/81-08/13/81	2	10.5	10.5	11.	10.	0.5	0.707	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		08/13/81-08/13/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0218

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00				5	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	5	0	0.00				5	0	0.00						
	Other-Lo Lim.	6.5	5	0	0.00				5	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00				5	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0218

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034 CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00				2	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	2	0	0.00				2	0	0.00						
	Drinking Water	1300.	2	0	0.00				2	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	2	1.00				2	2	1.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00				2	0	0.00						
	Drinking Water	100.	2	0	0.00				2	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00				2	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0219

NPS Station ID: GRSM0219 LAT/LON: 35.726116/ -83.512505 Agency: 21TNWQ Date Created: 09/11/82
Location: W PRONG LITTLE PIGEON R 16.4 QUAD 157NE FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS11
RMI-Indexes: 1021500 007720 00920 9300 1120 0220
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 016.40
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107014 RF1 Mile Point: 9.220 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107001503.77 RF3 Mile Point: 3.88 Distance from RF3: 0.04 On/Off RF3:
Description:
100 YDS U/S OF GATLINBURG WWTP

WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0219

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/15/81-08/13/81	5	21.	18.66	25.6	7.5	53.393	7.307	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/15/81-08/13/81	5	8.8	9.1	10.9	8.4	1.055	1.027	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/15/81-08/13/81	5	1.	1.	1.	1.	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	04/15/81-08/13/81	5	5.	7.8	14.	5.	14.7	3.834	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	04/15/81-08/13/81	5	7.8	7.64	8.3	6.8	0.353	0.594	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		04/15/81-08/13/81	5	7.8	7.32	8.3	6.8	0.481	0.694	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/15/81-08/13/81	5	0.016	0.048	0.158	0.005	0.004	0.064	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/15/81-08/13/81	5	0.04	0.082	0.23	0.02	0.008	0.089	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		04/15/81-08/13/81	5	0.32	0.326	0.37	0.26	0.002	0.043	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		04/15/81-08/13/81	5	0.4	0.64	1.1	0.3	0.143	0.378	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/15/81-08/13/81	5	0.06	0.074	0.1	0.06	0.	0.019	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		07/23/81-08/13/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		07/23/81-08/13/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		07/23/81-08/13/81	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		07/23/81-08/13/81	2	705.	705.	900.	510.	76050.	275.772	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		07/23/81-08/13/81	2	10.	10.	10.	10.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		07/23/81-08/13/81	2	36.5	36.5	38.	35.	4.5	2.121	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)		07/23/81-08/13/81	2	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		07/23/81-08/13/81	2	9.5	9.5	10.	9.	0.5	0.707	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		08/13/81-08/13/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0219

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00				5	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	5	0	0.00				5	0	0.00						
	Other-Lo Lim.	6.5	5	0	0.00				5	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00				5	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0219

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034 CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00				2	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	2	0	0.00				2	0	0.00						
	Drinking Water	1300.	2	0	0.00				2	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	2	1.00				2	2	1.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00				2	0	0.00						
	Drinking Water	100.	2	0	0.00				2	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00				2	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0220

NPS Station ID: GRSM0220 LAT/LON: 35.729726/ -83.628616 Agency: 112WRD Date Created: 12/22/84
Location: COVE CREEK AT HATCHERTOWN, TN
FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03469610
RMI-Indexes:
RMI-Miles:
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107013 RF1 Mile Point: 4.610 Distance from RF1: 13.40 On/Off RF1: OFF
RF3 Index: 06010107005503.69 RF3 Mile Point: 4.03 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0220

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/18/83-09/26/85	6	18.25	16.417	20.	10.	17.142	4.14	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/18/83-09/26/85	6	3.5	4.167	7.	2.	3.767	1.941	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/83-09/26/85	5	250.	256.	340.	200.	2630.	51.284	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exists to compare against the data at this station. **********

Station Inventory for Station: GRSM0221

NPS Station ID: GRSM0221 LAT/LON: 35.730004/ -83.450559 Agency: 112WRD Date Created: / /
Location: DUDLEY CR NR GATLINBURG TENN FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03469290
RMI-Indexes:
RMI-Miles:
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107016 RF1 Mile Point: 3.830 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107001506.26 RF3 Mile Point: 7.05 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0221

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY	CFS	09/25/68-09/25/68	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		09/25/68-09/25/68	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		09/25/68-09/25/68	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		09/25/68-09/25/68	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		09/25/68-09/25/68	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/25/68-09/25/68	1	0.794	0.794	0.794	0.794	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		09/25/68-09/25/68	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		09/25/68-09/25/68	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)		09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		09/25/68-09/25/68	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		09/25/68-09/25/68	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		09/25/68-09/25/68	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		09/25/68-09/25/68	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO		09/25/68-09/25/68	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00932 SODIUM, PERCENT		09/25/68-09/25/68	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		09/25/68-09/25/68	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	09/25/68-09/25/68	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		09/25/68-09/25/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		09/25/68-09/25/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		09/25/68-09/25/68	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		09/25/68-09/25/68	1	20.	20.	20.	20.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		09/25/68-09/25/68	1	27.	27.	27.	27.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)		09/25/68-09/25/68	1	27.	27.	27.	27.	0.	0.	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY		09/25/68-09/25/68	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT		09/25/68-09/25/68	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		09/25/68-09/25/68	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0221

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0222

NPS Station ID: GRSM0222 LAT/LON: 35.732504/ -83.520003 Agency: 131TVAC Date Created: / /
Location: ABOVE SEWAGE DISPOSAL PLANT FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 475465 /5302
RMI-Indexes: 1021500 007720 00920 9300 1120 0220
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 016.17
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: WEST PRONG LITTLE PIGEON RIVER 16.17 ECO Region:
RF1 Index: 06010107 RF1 Mile Point: 0.000 Distance from RF1: 0.20 On/Off RF1:
RF3 Index: 06010107001501.24 RF3 Mile Point: 1.45 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/08/68-03/18/75	22	12.05	13.518	25.	2.	51.131	7.151	3.77	8.125	19.325	24.55
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/08/68-03/18/75	22	113.5	189.091	900.	36.	40388.944	200.97	38.5	72.5	252.5	460.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	01/08/68-03/18/75	19	2.1	4.174	30.	1.	44.464	6.668	1.	1.2	3.	10.
00080	COLOR (PLATINUM-COBALT UNITS)	01/08/68-03/18/75	20	5.	8.375	20.	2.5	29.813	5.46	5.	5.	13.75	19.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/08/68-04/24/74	7	45.	47.	91.	20.	488.333	22.098	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	01/08/68-03/18/75	22	10.5	10.35	13.5	8.	2.497	1.58	8.16	8.975	11.5	12.68
00310	BOD, 5 DAY, 20 DEG C MG/L	01/08/68-03/18/75	20##	0.5	1.085	2.6	0.5	0.516	0.718	0.5	0.5	1.8	2.
00400	PH (STANDARD UNITS)	01/08/68-03/18/75	20	6.55	6.57	7.8	5.4	0.399	0.632	5.61	6.225	7.15	7.39
00400	CONVERTED PH (STANDARD UNITS)	01/08/68-03/18/75	20	6.547	6.168	7.8	5.4	0.569	0.754	5.61	6.225	7.15	7.39
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/08/68-03/18/75	20	0.284	0.679	3.981	0.016	1.05	1.025	0.041	0.072	0.599	2.46
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/08/68-03/18/75	20	11.	11.2	20.	3.	20.589	4.538	6.	7.25	14.5	18.8
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	01/08/68-03/18/75	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500	RESIDUE, TOTAL (MG/L)	01/08/68-07/29/68	5	60.	72.	120.	30.	1670.	40.866	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/08/68-07/29/68	5	50.	54.	100.	30.	830.	28.81	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/24/74-03/18/75	14	2.	2.893	9.	0.5	5.776	2.403	0.75	1.	4.25	7.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/08/68-07/29/68	6	0.4	0.392	0.6	0.24	0.016	0.128	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/08/68-07/29/68	6	0.175	0.303	1.	0.1	0.119	0.345	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/08/68-07/29/68	6	0.015	0.019	0.04	0.005	0.	0.014	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/08/68-07/29/68	6	0.345	0.35	0.5	0.22	0.013	0.113	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/08/68-07/29/68	6	0.217	0.191	0.359	0.042	0.014	0.116	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	01/08/68-07/29/68	6	0.129	0.138	0.277	0.033	0.007	0.087	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	01/08/68-07/29/68	5	2.	2.1	3.	1.5	0.425	0.652	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01/08/68-07/29/68	5	1.	0.8	1.	0.5	0.075	0.274	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	01/08/68-07/29/68	5	1.4	1.76	3.1	1.3	0.573	0.757	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	01/08/68-07/29/68	5	1.2	1.14	1.9	0.5	0.283	0.532	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/08/68-07/29/68	6	1.5	1.75	3.	0.5	1.175	1.084	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/08/68-07/29/68	6	3.5	4.	8.	2.	4.4	2.098	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/11/68-07/29/68	5	0.07	0.074	0.11	0.04	0.001	0.03	**	**	**	**
00956	SILICA, TOTAL (MG/L AS SIO2)	01/08/68-07/29/68	6	5.6	5.95	9.4	3.8	3.623	1.903	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/08/68-07/29/68	5	30.	53.	180.	5.	5145.	71.729	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/08/68-07/29/68	5	260.	380.	1000.	140.	126600.	355.809	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	01/08/68-07/29/68	5	60.	103.	220.	25.	6420.	80.125	**	**	**	**
01047	IRON, FERROUS (UG/L AS FE)	01/08/68-07/29/68	6##	37.5	37.5	50.	25.	187.5	13.693	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/08/68-07/29/68	5	30.	44.	100.	10.	1180.	34.351	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	01/08/68-06/27/68	4	10.	16.25	40.	5.	256.25	16.008	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/08/68-07/29/68	5	110.	154.	330.	40.	12530.	111.937	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	01/08/68-03/18/75	22	150.	35258.636	270000.	5.	5750570767.1	75832.518	5.	5.	28250.	198900.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	01/08/68-03/18/75	22	2.175	2.667	5.431	0.699	3.147	1.774	0.699	0.699	4.432	5.27

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0222

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3			GEOMETRIC MEAN =	464.742								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/08/68-03/18/75	21	50.	9551.19	103000.	5.	566028407.262	23791.352	5.	5.	5000.	33400.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/08/68-03/18/75	21	1.699	2.122	5.013	0.699	2.384	1.544	0.699	0.699	3.602	4.523
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	132.307								
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	01/08/68-07/29/68	5	8.	8.4	11.	6.	4.3	2.074	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/24/74-03/18/75	14	25.	25.714	40.	20.	41.758	6.462	20.	20.	30.	35.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0222

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	19	0	0.00	10	0	0.00	9	0	0.00						
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	22	0	0.00	10	0	0.00	12	0	0.00						
00400	PH	Other-Hi Lim.	9.	20	0	0.00	10	0	0.00	10	0	0.00						
		Other-Lo Lim.	6.5	20	10	0.50	10	6	0.60	10	4	0.40						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00	2	0	0.00	4	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	2	0	0.00	4	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	6	0	0.00	2	0	0.00	4	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	400.	6	0	0.00	2	0	0.00	4	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	5	4	0.80	2	2	1.00	3	2	0.67						
		Drinking Water	1300.	5	0	0.00	2	0	0.00	3	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	5	2	0.40	2	0	0.00	3	2	0.67						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED,	Other-Hi Lim.	1000.	22	9	0.41	10	2	0.20	12	7	0.58						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	21	7	0.33	10	1	0.10	11	6	0.55						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0223

NPS Station ID: GRSM0223 LAT/LON: 35.733616/ -83.520281 Agency: 112WRD Date Created: / /
Location: WP L PIGEON R AT GATLINBURG TENN
Station Type: /TYPA/AMBNT/STREAM FIPS State/County: 47155 TENNESSEE/SEVIER
RMI-Indexes: STORET Station ID(s): 03469400
RMI-Miles:
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107014 RF1 Mile Point: 8.370 Distance from RF1: 1.30 On/Off RF1: OFF
RF3 Index: 06010107001700.05 RF3 Mile Point: 0.05 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0223

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/06/67-08/01/68	3	16.	16.	19.	13.	9.	3.	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY	CFS	09/06/67-08/01/68	4	74.5	91.5	146.	71.	1323.	36.373	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		09/06/67-08/01/68	4	5.	5.	5.	5.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		09/06/67-08/01/68	4	40.	39.	49.	27.	84.667	9.201	**	**	**	**
00400 PH (STANDARD UNITS)		09/06/67-08/01/68	4	6.7	6.725	6.8	6.7	0.002	0.05	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		09/06/67-08/01/68	4	6.7	6.723	6.8	6.7	0.003	0.05	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/06/67-08/01/68	4	0.2	0.189	0.2	0.158	0.	0.021	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		09/06/67-08/01/68	4	12.	11.	12.	8.	4.	2.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		09/06/67-08/01/68	4	15.	13.75	15.	10.	6.25	2.5	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		09/06/67-08/01/68	4	13.5	12.75	15.	9.	6.917	2.63	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		09/06/67-08/01/68	4	1.5	1.75	3.	1.	0.917	0.957	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		09/06/67-08/01/68	4	5.	4.7	5.1	3.7	0.453	0.673	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		09/06/67-08/01/68	4	0.3	0.275	0.5	0.	0.043	0.206	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		09/06/67-08/01/68	4	1.85	1.8	2.	1.5	0.06	0.245	**	**	**	**
00931 SODIUM ADSORPTION RATIO		09/06/67-08/01/68	4	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932 SODIUM, PERCENT		09/06/67-08/01/68	4	22.	22.	24.	20.	3.333	1.826	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		09/06/67-08/01/68	4	0.7	0.775	1.	0.7	0.023	0.15	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	09/06/67-08/01/68	4	2.	2.25	3.	2.	0.25	0.5	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		09/06/67-08/01/68	4	2.5	2.75	4.	2.	0.917	0.957	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)		09/06/67-08/01/68	4	5.7	5.775	6.9	4.8	1.169	1.081	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)		02/01/68-08/01/68	3	40.	36.667	50.	20.	233.333	15.275	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		09/06/67-08/01/68	4	26.	28.	38.	22.	48.	6.928	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY		09/06/67-08/01/68	4	6.27	6.785	10.2	4.4	6.64	2.577	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT		09/06/67-08/01/68	4	0.04	0.04	0.05	0.03	0.	0.008	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		09/06/67-08/01/68	4	1.8	1.75	2.7	0.7	0.73	0.854	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0223

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400 PH	Other-Hi Lim.	9.	4	0	0.00	1	0	0.00	3	0	0.00						
	Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00	3	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0223

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	4	0	0.00	1	0	0.00	3	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0224

NPS Station ID: GRSM0224 LAT/LON: 35.736671/ -83.414449 Agency: 21TNWQ Date Created: 09/11/82
Location: LITTLE PIGEON R 25.4 QUAD 165NW FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS03
RMI-Indexes: 1021500 007720 00920 9300 1120
RMI-Miles: 0953.80 0046.50 652.10 027.40 025.40
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107021 RF1 Mile Point: 2.310 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107042000.00 RF3 Mile Point: 0.00 Distance from RF3: 0.06 On/Off RF3:
Description:
D/S OF HWY 73 BRIDGE

WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0224

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: GRSM0225

NPS Station ID: GRSM0225 LAT/LON: 35.736671/ -83.414449 Agency: 21TNWQ Date Created: 09/11/82
Location: WALDEN CREEK 3.4 QUAD 156SE FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS18
RMI-Indexes: 1021500 007720 00920 9300 1120 0220 0280
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 007.90 03.40
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107021 RF1 Mile Point: 2.310 Distance from RF1: 10.60 On/Off RF1: OFF
RF3 Index: 06010201083900.00 RF3 Mile Point: 1.46 Distance from RF3: 0.27 On/Off RF3:
Description:
100 YDS ABOVE W.C. CAMPGROUND WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0225

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/15/81-08/13/81	4	18.75	17.925	26.2	8.	56.489	7.516	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/15/81-08/13/81	5	8.8	9.1	10.2	8.7	0.39	0.624	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/15/81-08/13/81	5	1.	1.	1.	1.	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	04/15/81-08/13/81	5	5.	6.8	14.	5.	16.2	4.025	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	04/15/81-08/13/81	5	7.8	7.74	8.1	7.2	0.113	0.336	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		04/15/81-08/13/81	5	7.8	7.622	8.1	7.2	0.13	0.361	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/15/81-08/13/81	5	0.016	0.024	0.063	0.008	0.	0.022	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/15/81-08/13/81	5	0.04	0.044	0.08	0.02	0.001	0.023	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		04/15/81-08/13/81	5	0.44	0.688	2.3	0.06	0.84	0.916	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		04/15/81-08/13/81	5	0.4	0.44	1.	0.1	0.113	0.336	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/15/81-08/13/81	5	0.04	0.16	0.49	0.03	0.04	0.2	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		08/13/81-08/13/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		08/13/81-08/13/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		08/13/81-08/13/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		08/13/81-08/13/81	1	395.	395.	395.	395.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		08/13/81-08/13/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		08/13/81-08/13/81	1	36.	36.	36.	36.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)		08/13/81-08/13/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		08/13/81-08/13/81	1	7.	7.	7.	7.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		08/13/81-08/13/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0225

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00				5	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	5	0	0.00				5	0	0.00						
	Other-Lo Lim.	6.5	5	0	0.00				5	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00				5	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0225

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	1	1.00				1	1	1.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0226

NPS Station ID: GRSM0226 LAT/LON: 35.736948/ -83.414449 Agency: 21TNWQ Date Created: 09/11/82
Location: LITTLE PIGEON R 25.5 QUAD 165NW FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS20
RMI-Indexes: 1021500 007720 00920 9300 1120
RMI-Miles: 0953.80 0046.50 652.10 027.40 025.50
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107021 RF1 Mile Point: 2.310 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107001006.44 RF3 Mile Point: 6.44 Distance from RF3: 0.01 On/Off RF3:
Description:
GREAT SMOKY MOUNTAIN NAT'L PARK BOUNDARY NEAR GREENBRIAR RANGER STATION WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0226

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/30/81-08/13/81	3	19.8	19.4	23.9	14.5	22.21	4.713	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	05/30/81-08/13/81	3	9.1	9.2	9.7	8.8	0.21	0.458	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/30/81-08/13/81	3	1.	1.	1.	1.	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	05/30/81-08/13/81	3	5.	5.	5.	5.	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	05/30/81-08/13/81	3	6.9	6.9	7.1	6.7	0.04	0.2	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		05/30/81-08/13/81	3	6.9	6.87	7.1	6.7	0.041	0.203	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/30/81-08/13/81	3	0.126	0.135	0.2	0.079	0.004	0.061	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/30/81-08/13/81	3	0.02	0.027	0.04	0.02	0.	0.012	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/30/81-08/13/81	3	0.28	0.353	0.62	0.16	0.057	0.239	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		05/30/81-08/13/81	3	0.7	0.567	0.7	0.3	0.053	0.231	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		05/30/81-08/13/81	3	0.01	0.02	0.04	0.01	0.	0.017	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		08/13/81-08/13/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		08/13/81-08/13/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		08/13/81-08/13/81	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		08/13/81-08/13/81	1	280.	280.	280.	280.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		08/13/81-08/13/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		08/13/81-08/13/81	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)		08/13/81-08/13/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		08/13/81-08/13/81	1	15.	15.	15.	15.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		08/13/81-08/13/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0226

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00				3	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	3	0	0.00				3	0	0.00						
	Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00				3	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0226

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	1	1	1.00				1	1	1.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0227

NPS Station ID: GRSM0227 LAT/LON: 35.738892/ -83.416392 Agency: 112WRD Date Created: / /
Location: LITTLE PIGEON R NR PITTMAN CENTER TENN
Station Type: /TYPA/AMBNT/STREAM
FIPS State/County: 47155 TENNESSEE/SEVIER
STORET Station ID(s): 03469100
RMI-Indexes:
RMI-Miles:
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107021 RF1 Mile Point: 2.060 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107002802.65 RF3 Mile Point: 3.74 Distance from RF3: 0.06 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0227

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY CFS	09/25/68-09/25/68	1	44.	44.	44.	44.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	09/25/68-09/25/68	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/25/68-09/25/68	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	09/25/68-09/25/68	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	09/25/68-09/25/68	1	5.5	5.5	5.5	5.5	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/25/68-09/25/68	1	3.162	3.162	3.162	3.162	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	09/25/68-09/25/68	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	09/25/68-09/25/68	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	09/25/68-09/25/68	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/25/68-09/25/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	09/25/68-09/25/68	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	09/25/68-09/25/68	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	09/25/68-09/25/68	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	09/25/68-09/25/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	09/25/68-09/25/68	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	09/25/68-09/25/68	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	09/25/68-09/25/68	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	09/25/68-09/25/68	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	09/25/68-09/25/68	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	09/25/68-09/25/68	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	09/25/68-09/25/68	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/68-09/25/68	1	24.	24.	24.	24.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/25/68-09/25/68	1	17.	17.	17.	17.	0.	0.	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY	09/25/68-09/25/68	1	2.85	2.85	2.85	2.85	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/25/68-09/25/68	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/25/68-09/25/68	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0227

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0228

NPS Station ID: GRSM0228 LAT/LON: 35.739448/ -83.356670
Location: NORTON BRANCH 0.0 QUAD 157NE
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes: 1021500 007720 00920 9300 1120 0220 0700
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 003.00 00.00
HUC: 06010107 Depth of Water: 0
Major Basin: TENNESSEE RIVER Elevation: 0
Minor Basin: FRENCH BROAD RIVER
RF1 Index: 06010107 RF1 Mile Point: 0.000
RF3 Index: 06010107001500.00 RF3 Mile Point: 0.00
Description:
WQ LIB INDEX NO. AW0.03

Agency: 21TNWQ Date Created: 09/11/82
FIPS State/County: 47155 TENNESSEE/SEVIER
STORET Station ID(s): LPIGEONIS14

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00 On/Off RF1:
Distance from RF3: 0.00 On/Off RF3:

Parameter Inventory for Station: GRSM0228

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		05/06/81-05/06/81	1	15.5	15.5	15.5	15.5	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	05/06/81-05/06/81	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	05/06/81-05/06/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	05/06/81-05/06/81	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	05/06/81-05/06/81	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		05/06/81-05/06/81	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		05/06/81-05/06/81	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		05/06/81-05/06/81	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		05/06/81-05/06/81	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		05/06/81-05/06/81	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		05/06/81-05/06/81	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0228

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0229

NPS Station ID: GRSM0229 LAT/LON: 35.748615/ -83.200838 Agency: 131TVAC Date Created: 03/03/84
Location: TRIBUTARY TO PIGEON RIVER 13.6 FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 476494
RMI-Indexes: 1021500 007720 00920 9300 2520 0400
RMI-Miles: 0953.80 0046.50 652.10 073.80 013.60 013.42
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: COSBY CREEK 13.42 ECO Region:
RF1 Index: 06010106008 RF1 Mile Point: 5.290 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106001100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0229

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		12/13/83-05/15/85	7	8.	7.943	15.1	0.5	18.436	4.294	**	**	**	**
00065	STAGE, STREAM (FEET)		08/10/84-06/08/85	39	1.19	2.201	11.08	1.03	3.484	1.867	1.04	1.08	3.15	3.6
00080	COLOR (PLATINUM-COBALT UNITS)		12/13/83-05/15/85	51	10.	13.039	32.	1.	65.838	8.114	4.	7.	20.	25.6
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS		12/13/83-05/15/85	51	16.	21.686	60.	2.	245.06	15.654	6.2	9.	32.	50.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		12/13/83-05/15/85	7	20.	19.286	22.	16.	3.571	1.89	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		02/22/84-06/08/85	70	19.	20.943	29.	15.	22.142	4.705	16.	17.	25.25	28.9
00300	OXYGEN, DISSOLVED	MG/L	12/13/83-08/28/84	4	10.4	10.6	11.6	10.	0.487	0.698	**	**	**	**
00400	PH (STANDARD UNITS)		12/13/83-05/15/85	7	5.93	5.926	6.5	5.	0.227	0.477	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)		12/13/83-05/15/85	7	5.93	5.648	6.5	5.	0.318	0.564	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		12/13/83-05/15/85	7	1.175	2.251	10.	0.316	11.888	3.448	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	12/13/83-06/08/85	71	6.3	6.32	6.9	5.6	0.128	0.358	5.8	6.	6.7	6.7
00403	CONVERTED PH, LAB, STANDARD UNITS		12/13/83-06/08/85	71	6.3	6.177	6.9	5.6	0.149	0.386	5.8	6.	6.7	6.7
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		12/13/83-06/08/85	71	0.501	0.665	2.512	0.126	0.303	0.551	0.2	0.2	1.	1.585
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		12/13/83-06/08/85	71	1.	1.461	3.	0.25	0.403	0.635	0.5	1.	2.	2.
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)		12/13/83-05/15/85	51##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		05/15/84-05/15/84	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)		12/13/83-05/15/85	51	1.5	1.767	4.4	0.7	0.683	0.826	0.82	1.2	2.1	3.
00915	CALCIUM, DISSOLVED (MG/L AS CA)		12/13/83-05/15/85	51	1.6	1.684	2.1	1.3	0.061	0.247	1.4	1.5	2.	2.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		12/13/83-05/15/85	51	0.5	0.563	0.7	0.4	0.01	0.098	0.42	0.5	0.7	0.7
00930	SODIUM, DISSOLVED (MG/L AS NA)		12/13/83-05/15/85	51	0.56	0.591	0.84	0.46	0.007	0.086	0.492	0.53	0.65	0.722
00935	POTASSIUM, DISSOLVED (MG/L AS K)		12/13/83-05/15/85	51	0.55	0.562	0.87	0.29	0.017	0.131	0.422	0.47	0.67	0.74
00946	SULFATE, DISSOLVED (MG/L AS SO4)		12/13/83-05/15/85	51	3.	3.002	4.2	2.1	0.224	0.473	2.42	2.6	3.3	3.6
00950	FLUORIDE, DISSOLVED (MG/L AS F)		12/13/83-05/15/85	51##	0.01	0.011	0.05	0.01	0.	0.006	0.01	0.01	0.01	0.01
01106	ALUMINUM, DISSOLVED (UG/L AS AL)		11/19/84-06/08/85	50	25.	57.36	1100.	10.	23521.623	153.368	15.1	19.75	50.	70.
32023	ACIDS, STRONG		12/13/83-05/15/85	51##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
32024	ACIDS, WEAK		12/13/83-05/15/85	51	140.	262.549	670.	80.	47131.373	217.098	102.	110.	530.	640.
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)		12/13/83-05/15/84	3	5.	5.333	6.	5.	0.333	0.577	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)		12/13/83-05/15/85	51	0.01	0.012	0.05	0.005	0.	0.01	0.005	0.005	0.01	0.03
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		12/13/83-05/15/85	51	3.6	3.575	5.4	2.	0.843	0.918	2.52	2.7	4.5	4.8
82295	CHLORIDE DISSOLVED AS CL IN WATER	UG/L	12/13/83-05/15/85	51	400.	427.451	500.	300.	4831.373	69.508	300.	400.	500.	500.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0229

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	4	0	0.00	2	0	0.00	2	0	0.00						
00400 PH	Other-Hi Lim.	9.	7	0	0.00	4	0	0.00	3	0	0.00						
	Other-Lo Lim.	6.5	7	7	1.00	4	4	1.00	3	3	1.00						
00403 PH, LAB	Other-Hi Lim.	9.	71	0	0.00	31	0	0.00	40	0	0.00						
	Other-Lo Lim.	6.5	71	46	0.65	31	25	0.81	40	21	0.53						
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	51	0	0.00	31	0	0.00	20	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	51	0	0.00	31	0	0.00	20	0	0.00						
82295 CHLORIDE DISSOLVED AS CL IN WATER	Fresh Acute	860000.	51	0	0.00	31	0	0.00	20	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0230

NPS Station ID: GRSM0230 LAT/LON: 35.750005/ -83.116670 Agency: 1114PEST Date Created: 07/12/80
Location: PIGEON RIVER EXPOSURE RISK STUDY FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 370122A /PR-1 PIG
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: PIGEON RIVER AT NEW HEPCO BRIDGE ECO Region:
RF1 Index: 06010106010 RF1 Mile Point: 2.560 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106002004.77 RF3 Mile Point: 8.12 Distance from RF3: 0.19 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0230

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00720 CYANIDE, TOTAL (MG/L AS CN) MG/L	06/05/80-06/05/80	1##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
00721 CYANIDE IN BOTTOM DEPOSITS (MG/KG AS CN DRY WGT)	06/05/80-06/05/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS CA)	06/05/80-06/05/80	1	32.	32.	32.	32.	0.	0.	**	**	**	**
00917 CALCIUM IN BOTTOM DEPOSITS (MG/KG AS CA DRY WGT)	06/05/80-06/05/80	1	1200.	1200.	1200.	1200.	0.	0.	**	**	**	**
00924 MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	06/05/80-06/05/80	1	4800.	4800.	4800.	4800.	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	06/05/80-06/05/80	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)	06/05/80-06/05/80	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00934 SODIUM IN BOTTOM DEPOSITS (MG/KG AS NA DRY WGT)	06/05/80-06/05/80	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01007 BARIUM, TOTAL (UG/L AS BA)	06/05/80-06/05/80	1	48.	48.	48.	48.	0.	0.	**	**	**	**
01008 BARIUM IN BOTTOM DEPOSITS (MG/KG AS BA DRY WGT)	06/05/80-06/05/80	1	124.	124.	124.	124.	0.	0.	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01013 BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/05/80-06/05/80	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01037 COBALT, TOTAL (UG/L AS CO)	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01038 COBALT IN BOTTOM DEPOSITS (MG/KG AS CO DRY WGT)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/05/80-06/05/80	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/05/80-06/05/80	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01053 MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	06/05/80-06/05/80	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	06/05/80-06/05/80	1	94.	94.	94.	94.	0.	0.	**	**	**	**
01062 MOLYBDENUM, TOTAL (UG/L AS MO)	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01063 MOLYBDENUM IN BOT. DEPOSITS (MG/KG AS MO DRY WGT)	06/05/80-06/05/80	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	06/05/80-06/05/80	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/05/80-06/05/80	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01078 SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	06/05/80-06/05/80	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01082 STRONTIUM, TOTAL (UG/L AS SR)	06/05/80-06/05/80	1	64.	64.	64.	64.	0.	0.	**	**	**	**
01083 STRONTIUM IN BOTTOM DEPOSITS(MG/KG AS SR DRY WGT)	06/05/80-06/05/80	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
01087 VANADIUM, TOTAL (UG/L AS V)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01088 VANADIUM IN BOTTOM DEPOSITS (MG/KG AS V DRY WGT)	06/05/80-06/05/80	1	34.	34.	34.	34.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/05/80-06/05/80	1	59.	59.	59.	59.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0230

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01097 ANTIMONY, TOTAL (UG/L AS SB)	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
01098 ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01102 TIN, TOTAL (UG/L AS SN)	06/05/80-06/05/80	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01103 TIN IN BOTTOM DEPOSITS (MG/KG AS SN DRY WGT)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	06/05/80-06/05/80	1	950.	950.	950.	950.	0.	0.	**	**	**	**
01108 ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	06/05/80-06/05/80	1	13000.	13000.	13000.	13000.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	06/05/80-06/05/80	1##	20.	20.	20.	20.	0.	0.	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01152 TITANIUM, TOTAL (UG/L AS TI)	06/05/80-06/05/80	1	43.	43.	43.	43.	0.	0.	**	**	**	**
01153 TITANIUM IN BOTTOM DEPOSITS (MG/KG AS TI DRY WGT)	06/05/80-06/05/80	1	1328.	1328.	1328.	1328.	0.	0.	**	**	**	**
01162 ZIRCONIUM, TOTAL (UG/L AS ZR)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01163 ZIRCONIUM IN BOTTOM DEPOSITS (MG/KG AS ZR DRY WT)	06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01170 IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	06/05/80-06/05/80	1	20700.	20700.	20700.	20700.	0.	0.	**	**	**	**
01203 YTTRIUM, TOTAL (UG/L AS Y)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32101 BROMODICHLOROMETHANE,WHOLE WATER,UG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32102 CARBON TETRACHLORIDE,WHOLE WATER,UG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32103 1,2-DICHLOROETHANE,WHOLE WATER,UG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32104 BROMOFORM,WHOLE WATER,UG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32106 CHLOROFORM,WHOLE WATER,UG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/05/80-06/05/80	1	16.	16.	16.	16.	0.	0.	**	**	**	**
34010 TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34030 BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34200 ACENAPHTHYLENE TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34203 ACENAPHTHYLENE DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34205 ACENAPHTHENE TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34208 ACENAPHTHENE DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34210 ACROLEIN TOTWUG/L	06/05/80-06/05/80	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
34215 ACRYLONITRILE TOTWUG/L	06/05/80-06/05/80	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
34220 ANTHRACENE TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34223 ANTHRACENE DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34230 BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34233 BENZO(B)FLUORANTHENE,SEDIMENTS,DRY WGT,UG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34242 BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34245 BENZO(K)FLUORANTHENE, DRY WT, SEDIMENT UG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34247 BENZO-A-PYRENE TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34250 BENZO-A-PYRENE DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34257 B-BHC-BETA DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34262 DELTA BENZENE HEXACHLORIDE DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
34273 BIS (2-CHLOROETHYL) ETHER TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34276 BIS (2-CHLOROETHYL) ETHER DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34278 BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34281 BIS (2-CHLOROETHOXY) METHANE DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34283 BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34286 BIS (2-CHLOROISOPROPYL) ETHER DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34292 N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34295 N-BUTYL BENZYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34301 CHLOROBENZENE TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34306 CHLORODIBROMOMETHANE TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34311 CHLOROETHANE TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34320 CHRYSENE TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34336 DIETHYL PHTHALATE TOTWUG/L	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34339 DIETHYL PHTHALATE DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34341 DIMETHYL PHTHALATE TOTWUG/L	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34344 DIMETHYL PHTHALATE DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34346 1,2-DIPHENYLHYDRAZINE TOTWUG/L	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34349 1,2-DIPHENYLHYDRAZINE DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	06/05/80-06/05/80	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
34354 ENDOSULFAN SULFATE DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	06/05/80-06/05/80	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34359 ENDOSULFAN, BETA DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
34364 ENDOSULFAN, ALPHA DRY WGTBOTUG/KG												

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0230

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34366	ENDRIN ALDEHYDE	TOTWUG/L	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34369	ENDRIN ALDEHYDE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
34371	ETHYLBENZENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34376	FLUORANTHENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34379	FLUORANTHENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34381	FLUORENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34384	FLUORENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34389	HEXACHLOROCYCLOPENTADIENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34396	HEXACHLOROETHANE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34399	HEXACHLOROETHANE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34403	INDENO (1,2,3-CD) PYRENE	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34406	INDENO (1,2,3-CD) PYRENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34411	ISOPHORONE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34413	METHYL BROMIDE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34418	METHYL CHLORIDE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34428	N-NITROSODI-N-PROPYLAMINE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34431	N-NITROSODI-N-PROPYLAMINE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34433	N-NITROSODIPHENYLAMINE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34436	N-NITROSODIPHENYLAMINE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34445	NAPHTHALENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34447	NITROBENZENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34450	NITROBENZENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34452	PARACHLOROMETA CRESOL	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34455	PARACHLOROMETA CRESOL	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34461	PHENANTHRENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34464	PHENANTHRENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34469	PYRENE	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34472	PYRENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34524	BENZO(GHI)PERYLENE1,12-BENZOPERYLENDRY	WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34539	1,2-DICHLOROBENZENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34554	1,2,4-TRICHLOROBENZENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34559	1,2,5,6-DIBENZANTHRACENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34569	1,3-DICHLOROBENZENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34574	1,4-DICHLOROBENZENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34584	2-CHLORONAPHTHALENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34589	2-CHLOROPHENOL	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34591	2-NITROPHENOL	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34594	2-NITROPHENOL	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34599	DI-N-OCTYL PHTHALATE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0230

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34604	2,4-DICHLOROPHENOL	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34609	2,4-DIMETHYLPHENOL	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34611	2,4-DINITROTOLUENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34614	2,4-DINITROTOLUENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL	TOTWUG/L	06/05/80-06/05/80	1##	125.	125.	125.	125.	0.	0.	**	**	**	**
34619	2,4-DINITROPHENOL	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34624	2,4,6-TRICHLOROPHENOL	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34629	2,6-DINITROTOLUENE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34631	3,3'-DICHLOROBENZIDINE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34634	3,3'-DICHLOROBENZIDINE	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34639	4-BROMOPHENYL PHENYL ETHER	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34644	4-CHLOROPHENYL PHENYL ETHER	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34646	4-NITROPHENOL	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34649	4-NITROPHENOL	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL)	TOTWUG/L	06/05/80-06/05/80	1##	125.	125.	125.	125.	0.	0.	**	**	**	**
34660	DNOC (4,6-DINITRO-ORTHO-CRESOL)	DRY WGTBOTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34668	DICHLORODIFUOROMETHANE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34671	PCB - 1016	TOTWUG/L	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34694	PHENOL(C6H5OH)-SINGLE COMPOUND	TOTWUG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
34695	PHENOL(C6H5OH)-SINGLE COMPOUND	DRY WGTTUG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
34696	NAPHTHALENE	TOTWUG/L	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	06/05/80-06/05/80	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL	UG/KG	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
39076	BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)		06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L		06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39102	BIS(2-ETHYLHEXYL) PHTHALATE,SEDIMENT,DRY WGT,UG/KG		06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L		06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39112	DI-N-BUTYL PHTHALATE,SEDIMENTS,DRY WGT,UG/KG		06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)		06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39121	BENZIDINE IN BOTTOM DEPOS UG/KG DRY SOLIDS		06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L		06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L		06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39301	P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)		06/05/80-06/05/80	1##	4.	4.	4.	4.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39311	P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)		06/05/80-06/05/80	1##	4.	4.	4.	4.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39321	P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)		06/05/80-06/05/80	1##	4.	4.	4.	4.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)		06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG		06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG		06/05/80-06/05/80	1##	45.	45.	45.	45.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)		06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)		06/05/80-06/05/80	1##	2.	2.	2.	2.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)		06/05/80-06/05/80	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)		06/05/80-06/05/80	1##	35.	35.	35.	35.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)		06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)		06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)		06/05/80-06/05/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
39488	PCB - 1221	IN THE WHOLE WATER SAMPLE UG/L	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39491	PCB - 1221	BOT. DEP..PCB SERIES DRY SOL UG/KG	06/05/80-06/05/80	1##	20.	20.	20.	20.	0.	0.	**	**	**	**

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Parameter Inventory for Station: GRSM0230

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39495 PCB - 1232 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	06/05/80-06/05/80	1##	20.	20.	20.	20.	0.	0.	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39499 PCB - 1242 BOT. DEP.,PCB-SERIES DRY SOL UG/KG	06/05/80-06/05/80	1##	20.	20.	20.	20.	0.	0.	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39503 PCB - 1248 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	06/05/80-06/05/80	1##	20.	20.	20.	20.	0.	0.	**	**	**	**
39504 PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39507 PCB - 1254 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	06/05/80-06/05/80	1##	35.	35.	35.	35.	0.	0.	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	06/05/80-06/05/80	1##	0.075	0.075	0.075	0.075	0.	0.	**	**	**	**
39511 PCB - 1260 IN BOTTOM DEPOS. DRY SOLIDS UG/KG	06/05/80-06/05/80	1##	35.	35.	35.	35.	0.	0.	**	**	**	**
39514 PCB - 1016 IN BOTTOM SEDIMENTS DRY WT UG/KG	06/05/80-06/05/80	1##	20.	20.	20.	20.	0.	0.	**	**	**	**
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39701 HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
39702 HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	06/05/80-06/05/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39705 HEXACHLOROBUTADIENE BOT. DEPOS.(UG/KG DRY WGT)	06/05/80-06/05/80	1##	2500.	2500.	2500.	2500.	0.	0.	**	**	**	**
45513 TELLURIUM IN SEDIMENT (MG/KG AS TE DRY WT)	06/05/80-06/05/80	1##	4.	4.	4.	4.	0.	0.	**	**	**	**
45514 YTTRIUM IN SEDIMENT (MG/KG AS YTTRIUM DRY WT)	06/05/80-06/05/80	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
70320 MOISTURE CONTENT (PERCENT OF TOTAL WET WEIGHT)	06/05/80-06/05/80	1	28.	28.	28.	28.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	06/05/80-06/05/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/05/80-06/05/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
74010 IRON, TOTAL (MG/L AS FE)	06/05/80-06/05/80	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GRSM0230

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00720 CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01007 BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00				1	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00												
	Drinking Water	5.	0&	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00						
	Drinking Water	1300.	1	0	0.00				1	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	0&	0	0.00												
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01077 SILVER, TOTAL	Fresh Acute	4.1	0&	0	0.00												
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00						
01097 ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00				1	0	0.00						
	Drinking Water	10.	0&	0	0.00												
01147 SELENIUM, TOTAL	Fresh Acute	20.	0&	0	0.00												
	Drinking Water	50.	1	0	0.00				1	0	0.00						
32101 BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32102 CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	0&	0	0.00												
32103 1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	0&	0	0.00												
32104 BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32106 CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
34010 TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00				1	0	0.00						
	Drinking Water	1000.	1	0	0.00				1	0	0.00						
34205 ACENAPHTHENE	Fresh Acute	1700.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0230

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
34210	ACROLEIN	Fresh Acute	68.	1	0	0.00				1	0	0.00						
34215	ACRYLONITRILE	Fresh Acute	7550.	1	0	0.00				1	0	0.00						
34301	CHLOROBENZENE	Drinking Water	100.	1	0	0.00				1	0	0.00						
34306	CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
34346	1,2-DIPHENYLHYDRAZINE	Fresh Acute	270.	1	0	0.00				1	0	0.00						
34356	ENDOSULFAN, BETA	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
34361	ENDOSULFAN, ALPHA	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
34371	ETHYLBENZENE	Fresh Acute	32000.	1	0	0.00				1	0	0.00						
		Drinking Water	700.	1	0	0.00				1	0	0.00						
34376	FLUORANTHENE	Fresh Acute	3980.	1	0	0.00				1	0	0.00						
34386	HEXACHLOROCYCLOPENTADIENE	Fresh Acute	7.	1	0	0.00				1	0	0.00						
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL	Drinking Water	50.	1	0	0.00				1	0	0.00						
34396	HEXACHLOROETHANE	Fresh Acute	980.	1	0	0.00				1	0	0.00						
34403	IDENO (1,2,3-CD) PYRENE	Drinking Water	0.4	0&	0	0.00				1	0	0.00						
34423	METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	0&	0	0.00												
34447	NITROBENZENE	Fresh Acute	27000.	1	0	0.00												
34452	PARACHLOROMETA CRESOL	Fresh Acute	30.	1	0	0.00				1	0	0.00						
34461	PHENANTHRENE	Fresh Acute	30.	1	0	0.00				1	0	0.00						
34475	TETRACHLOROETHYLENE	Fresh Acute	5280.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	0&	0	0.00												
34501	1,1-DICHLOROETHYLENE	Drinking Water	7.	1	0	0.00												
34506	1,1,1-TRICHLOROETHANE	Drinking Water	200.	1	0	0.00				1	0	0.00						
34511	1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	0&	0	0.00				1	0	0.00						
34536	1,2-DICHLOROBENZENE	Drinking Water	600.	1	0	0.00												
34541	1,2-DICHLOROPROPANE	Drinking Water	5.	0&	0	0.00				1	0	0.00						
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00												
34551	1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	9.	1	0	0.00				1	0	0.00						
34566	1,3-DICHLOROBENZENE	Drinking Water	600.	1	0	0.00				1	0	0.00						
34571	1,4-DICHLOROBENZENE	Drinking Water	75.	1	0	0.00				1	0	0.00						
34586	2-CHLOROPHENOL	Fresh Acute	4380.	1	0	0.00				1	0	0.00						
34601	2,4-DICHLOROPHENOL	Fresh Acute	2020.	1	0	0.00				1	0	0.00						
34606	2,4-DIMETHYLPHENOL	Fresh Acute	2120.	1	0	0.00				1	0	0.00						
34611	2,4-DINITROTOLUENE	Fresh Acute	330.	1	0	0.00				1	0	0.00						
34694	PHENOL (C6H5OH) - SINGLE COMPOUND	Fresh Acute	10200.	1	0	0.00				1	0	0.00						
34696	NAPHTHALENE	Fresh Acute	2300.	1	0	0.00				1	0	0.00						
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00				1	0	0.00						
		Drinking Water	1.	0&	0	0.00				1	0	0.00						
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	400.	1	0	0.00												
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	0&	0	0.00				1	0	0.00						
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00												
		Drinking Water	5.	0&	0	0.00				1	0	0.00						
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00												
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00				1	0	0.00						
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00				1	0	0.00						
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00				1	0	0.00						
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
		Drinking Water	2.	1	0	0.00				1	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00				1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00				1	0	0.00						
		Drinking Water	3.	1	0	0.00				1	0	0.00						
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00				1	0	0.00						
		Drinking Water	0.4	1	0	0.00				1	0	0.00						
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00				1	0	0.00						
		Drinking Water	0.2	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0230

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	0&	0	0.00												
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00				1	0	0.00						
39702 HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00				1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0231

NPS Station ID: GRSM0231 LAT/LON: 35.750005/ -83.116670 Agency: 1114PEST Date Created: 12/06/80
Location: PIGEON RIVER EXPOSURE RISK STUDY
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/LAKE
STORET Station ID(s): 370122B /PR-2 PIG
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: FISH TISSUE SAMPLES FROM WATERVILLE LAKE ECO Region:
RF1 Index: 06010106010 RF1 Mile Point: 2.560 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106002700.00 RF3 Mile Point: 0.06 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	06/09/80-06/09/80	1	2.6	2.6	2.6	2.6	0.	0.	**	**	**	**
32734	PHENOLICS,TISSUE,WET WEIGHT,MG/KG	06/09/80-06/09/80	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
34204	ACENAPHTHYLENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34209	ACENAPHTHENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34224	ANTHRACENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34234	BENZO(B)FLUORANTHENE,TISSUE,WET WGT,MG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34241	BENZIDINE WET WGTTISMG/KG	06/09/80-06/09/80	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
34246	BENZO(K)FLUORANTHENE, WET WT, TISSUE MG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34251	BENZO-A-PYRENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34252	BERYLLIUM WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34258	B-BHC-BETA WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34263	DELTA BENZENE HEXACHLORIDE WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34272	BIS (CHLOROMETHYL) ETHER WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34277	BIS (2-CHLOROETHYL) ETHER WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34282	BIS (2-CHLOROETHOXY) METHANE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34287	BIS (2-CHLOROISOPROPYL) ETHER WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34296	N-BUTYL BENZYL PHTHALATE,TISSUE,WET WGT,MG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34324	CHRYSENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34326	CYANIDE WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34340	DIETHYL PHTHALATE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34345	DIMETHYL PHTHALATE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34350	1,2-DIPHENYLHYDRAZINE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34355	ENDOSULFAN SULFATE WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34360	ENDOSULFAN, BETA WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
34365	ENDOSULFAN, ALPHA WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34370	ENDRIN ALDEHYDE WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34380	FLUORANTHENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34385	FLUORENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34390	HEXACHLOROCYCLOPENTADIENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34400	HEXACHLOROETHANE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34407	INDENO (1,2,3-CD) PYRENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34412	ISOPHORONE WET WGTTISMG/KG	06/09/80-06/09/80	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
34432	N-NITROSODI-N-PROPYLAMINE WET WGTTISMG/KG	06/09/80-06/09/80	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
34437	N-NITROSODIPHENYLAMINE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34442	N-NITROSODIMETHYLAMINE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34446	NAPHTHALENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34451	NITROBENZENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0231

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34456	PARACHLOROMETA CRESOL WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34465	PHENANTHRENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34468	PHENOL WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34473	PYRENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34474	SILVER WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
34525	BENZO(GHI)PERYLENE1,12-BENZOPERYLENWET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34530	BENZO(A)ANTHRACENE1,2-BENZANTHRACENWET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34540	1,2-DICHLOROBENZENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34560	1,2,5,6-DIBENZANTHRACENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34570	1,3-DICHLOROBENZENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34575	1,4-DICHLOROBENZENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34585	2-CHLORONAPHTHALENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34590	2-CHLOROPHENOL WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34595	2-NITROPHENOL WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34600	DI-N-OCTYL PHTHALATE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34605	2,4-DICHLOROPHENOL WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34610	2,4-DIMETHYLPHENOL WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34615	2,4-DINITROTOLUENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34620	2,4-DINITROPHENOL WET WGTTISMG/KG	06/09/80-06/09/80	1##	40.	40.	40.	40.	0.	0.	**	**	**	**
34625	2,4,6-TRICHLOROPHENOL WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34630	2,6-DINITROTOLUENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34635	3,3'-DICHLOROBENZIDINE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34640	4-BROMOPHENYL PHENYL ETHER WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34645	4-CHLOROPHENYL PHENYL ETHER WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34650	4-NITROPHENOL WET WGTTISMG/KG	06/09/80-06/09/80	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
34661	DNOC (4,6-DINITRO-ORTHO-CRESOL) WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34664	PCB - 1221 WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34667	PCB - 1232 WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34669	PCB - 1248 WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34670	PCB - 1260 WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34674	PCB - 1016 WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34680	ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	06/09/80-06/09/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34682	CHLORDANE(TECH MIX & METABS),TISSUEWET WGTT,MG/KG	06/09/80-06/09/80	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34683	DI-N-BUTYL PHTHALATE,TISSUE,WET WGTWET WGT	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34689	PCB - 1242 WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
34690	PCB - 1254 WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
34691	TOXAPHENE WET WGTTISMG/KG	06/09/80-06/09/80	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39060	PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	06/09/80-06/09/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39099	BIS(2-ETHYLHEXYL)PHTHALATE,TISSUE,WET WGT,MG/KG	06/09/80-06/09/80	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39302	P P DDT IN TISSUE WET WGT (UG/G)	06/09/80-06/09/80	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39312	P P DDD IN TISSUE WET WGT (UG/G)	06/09/80-06/09/80	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	06/09/80-06/09/80	1##	0.015	0.015	0.015	0.015	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	06/09/80-06/09/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	06/09/80-06/09/80	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/09/80-06/09/80	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/09/80-06/09/80	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/09/80-06/09/80	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	06/09/80-06/09/80	1	23.	23.	23.	23.	0.	0.	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	06/09/80-06/09/80	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	06/09/80-06/09/80	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exists to compare against the data at this station. **********

Station Inventory for Station: GRSM0232

NPS Station ID: GRSM0232 LAT/LON: 35.758337/ -83.398060 Agency: 21TNWQ Date Created: 09/11/82
Location: LITTLE PIGEON R 23.0 QUAD 164SW FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS04
RMI-Indexes: 1021500 007720 00920 9300 1120
RMI-Miles: 0953.80 0046.50 652.10 027.40 023.00
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107021 RF1 Mile Point: 0.100 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107002101.71 RF3 Mile Point: 3.06 Distance from RF3: 0.06 On/Off RF3:
Description:
100 YDS D/S OF MOUTH OF WEBB CR

WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0232

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: GRSM0233

NPS Station ID: GRSM0233
Location: WEBB CR 2.5
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes: 1021500 007720 00920 9300 1120 1430
RMI-Miles: 0953.80 0046.50 652.10 027.40 023.05 002.50
HUC: 06010107
Major Basin: TENNESSEE RIVER
Minor Basin: FRENCH BROAD RIVER
RF1 Index: 06010107024
RF3 Index: 06010107050300.00
Description:
1/4 MI D/S OF COBBLY KNOB WWTP

LAT/LON: 35.759170/ -83.363060
QUAD 164SE
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 2.300
RF3 Mile Point: 0.43

Agency: 21TNWQ
FIPS State/County: 47155 TENNESSEE/SEVIER
STORET Station ID(s): LPIGEONIS08

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.11

Date Created: 09/11/82
On/Off RF1: OFF
On/Off RF3:

WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0233

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: GRSM0234

NPS Station ID: GRSM0234
Location: WEBB CR 0.0
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes: 1021500 007720 00920 9300 1120 1430
RMI-Miles: 0953.80 0046.50 652.10 027.40 023.05 000.00
HUC: 06010107
Major Basin: TENNESSEE RIVER
Minor Basin: FRENCH BROAD RIVER
RF1 Index: 06010107021
RF3 Index: 06010107002401.77
Description:
WQ LIB INDEX NO. AW0.03

LAT/LON: 35.759448/ -83.398337
QUAD 164SW
Depth of Water: 0
Elevation: 0
RF1 Mile Point: 0.100
RF3 Mile Point: 3.39

Agency: 21TNWQ
FIPS State/County: 47155 TENNESSEE/SEVIER
STORET Station ID(s): LPIGEONIS25
Date Created: 09/11/82
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.04
On/Off RF1: OFF
On/Off RF3:

Parameter Inventory for Station: GRSM0234

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/15/81-08/13/81	5	20.	18.86	25.2	8.5	43.688	6.61	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/15/81-08/13/81	5	9.	9.	10.2	7.7	0.815	0.903	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/15/81-08/13/81	5	1.	1.	1.	1.	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	04/15/81-08/13/81	5	5.	5.	5.	5.	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	04/15/81-08/13/81	5	7.6	7.5	7.7	7.2	0.055	0.235	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		04/15/81-08/13/81	5	7.6	7.448	7.7	7.2	0.058	0.242	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/15/81-08/13/81	5	0.025	0.036	0.063	0.02	0.	0.02	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/15/81-08/13/81	5	0.03	0.034	0.06	0.02	0.	0.015	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		04/15/81-08/13/81	5	0.28	0.336	0.58	0.2	0.026	0.16	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		04/15/81-08/13/81	5	0.4	0.58	1.1	0.2	0.157	0.396	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/15/81-08/13/81	5	0.05	0.066	0.14	0.02	0.002	0.049	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		07/23/81-08/13/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		07/23/81-08/13/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		07/23/81-08/13/81	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		07/23/81-08/13/81	2	255.	255.	320.	190.	8450.	91.924	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		07/23/81-08/13/81	2	10.	10.	10.	10.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		07/23/81-08/13/81	2	15.5	15.5	18.	13.	12.5	3.536	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)		07/23/81-08/13/81	2	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		07/23/81-08/13/81	2	4.	4.	6.	2.	8.	2.828	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0234

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	5	0	0.00				5	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	5	0	0.00				5	0	0.00						
	Other-Lo Lim.	6.5	5	0	0.00				5	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00				5	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	0	0.00				2	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0234

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01042 COPPER, TOTAL	Fresh Acute	18.	2	0	0.00				2	0	0.00						
	Drinking Water	1300.	2	0	0.00				2	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	2	1.00				2	2	1.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00				2	0	0.00						
	Drinking Water	100.	2	0	0.00				2	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0235

NPS Station ID: GRSM0235 LAT/LON: 35.759448/ -83.398616 Agency: 21TNWQ Date Created: 09/11/82
Location: WEBB CR 0.06 QUAD 164SW FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS09
RMI-Indexes: 1021500 007720 00920 9300 1120 1430
RMI-Miles: 0953.80 0046.50 652.10 027.40 023.05 000.06
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107021 RF1 Mile Point: 0.100 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107002401.77 RF3 Mile Point: 2.55 Distance from RF3: 0.03 On/Off RF3:
Description:
WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0235

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: GRSM0236

NPS Station ID: GRSM0236 LAT/LON: 35.759726/ -83.359170 Agency: 21TNWQ Date Created: 09/11/82
Location: WEBB CR 2.3 QUAD 164SE FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS24
RMI-Indexes: 1021500 007720 00920 9300 1120 1430
RMI-Miles: 0953.80 0046.50 652.10 027.40 023.05 002.30
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107024 RF1 Mile Point: 2.500 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107002401.77 RF3 Mile Point: 1.81 Distance from RF3: 0.03 On/Off RF3:
Description:
WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0236

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/15/81-08/13/81	6	18.45	17.35	23.8	8.	36.015	6.001	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/15/81-08/13/81	6	8.6	8.683	10.5	7.4	1.266	1.125	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/15/81-08/13/81	6	1.	1.133	1.6	1.	0.059	0.242	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	04/15/81-08/13/81	6	6.	6.667	11.	5.	5.067	2.251	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	04/15/81-08/13/81	6	7.4	7.383	7.5	7.2	0.01	0.098	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		04/15/81-08/13/81	6	7.4	7.373	7.5	7.2	0.01	0.099	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/15/81-08/13/81	6	0.04	0.042	0.063	0.032	0.	0.011	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/15/81-08/13/81	6	0.12	0.287	0.88	0.03	0.121	0.347	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET, (MG/L AS N)		04/15/81-08/13/81	6	0.24	0.243	0.41	0.12	0.009	0.096	**	**	**	**
00635 NITROGEN, AMMONIA&ORG,, TOTAL 1 DET (MG/L AS N)		04/15/81-08/13/81	6	0.9	0.917	1.9	0.1	0.382	0.618	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/15/81-08/13/81	6	0.065	0.088	0.21	0.04	0.004	0.064	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		07/23/81-08/13/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		07/23/81-08/13/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		07/23/81-08/13/81	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		07/23/81-08/13/81	2	340.	340.	470.	210.	33800.	183.848	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		07/23/81-08/13/81	2	10.	10.	10.	10.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		07/23/81-08/13/81	2	28.5	28.5	34.	23.	60.5	7.778	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)		07/23/81-08/13/81	2	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		07/23/81-08/13/81	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		08/13/81-08/13/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0236

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	6	0	0.00				6	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	6	0	0.00				6	0	0.00						
	Other-Lo Lim.	6.5	6	0	0.00				6	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00				6	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0236

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034 CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00				2	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	2	0	0.00				2	0	0.00						
	Drinking Water	1300.	2	0	0.00				2	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	2	1.00				2	2	1.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00				2	0	0.00						
	Drinking Water	100.	2	0	0.00				2	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00				2	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0237

NPS Station ID: GRSM0237 LAT/LON: 35.760837/ -83.210004 Agency: 12NSS Date Created: 10/22/88
Location: COSBY CREEK
FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 2A07891L /SI02A07891L
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 756 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 0.70 On/Off RF1:
RF3 Index: 06010106000801.80 RF3 Mile Point: 2.49 Distance from RF3: 0.05 On/Off RF3:
Description:

THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN:

Parameter Inventory for Station: GRSM0237

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/28/85-07/10/85	4	11.	11.675	16.	8.7	10.989	3.315	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	03/28/85-07/10/85	4	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/28/85-07/10/85	4	7.5	8.75	15.	5.	22.917	4.787	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/28/85-07/10/85	4	18.5	18.5	19.	18.	0.333	0.577	**	**	**	**
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	03/28/85-07/10/85	4	9.9	9.75	10.8	8.4	1.417	1.19	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/28/85-07/10/85	4	6.6	6.625	6.7	6.6	0.003	0.05	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/28/85-07/10/85	4	6.6	6.623	6.7	6.6	0.003	0.05	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/28/85-07/10/85	4	0.251	0.238	0.251	0.2	0.001	0.026	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	03/28/85-07/10/85	4	40.2	45.625	66.2	35.9	194.416	13.943	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/28/85-07/10/85	4	1.5	1.5	2.	1.	0.333	0.577	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/28/85-07/10/85	4	0.011	0.01	0.012	0.005	0.	0.003	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/28/85-07/10/85	4	0.4	0.4	0.5	0.3	0.013	0.115	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	03/28/85-07/10/85	4	0.7	0.7	0.9	0.5	0.033	0.183	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/28/85-07/10/85	4	1.4	1.4	1.5	1.3	0.007	0.082	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/28/85-07/10/85	4	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/28/85-07/10/85	4	0.72	0.742	0.84	0.69	0.005	0.068	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/28/85-07/10/85	4	0.36	0.358	0.39	0.32	0.001	0.03	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/28/85-07/10/85	4	0.45	0.45	0.5	0.4	0.003	0.058	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/28/85-07/10/85	4	2.3	2.425	2.9	2.2	0.103	0.32	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/28/85-07/10/85	4	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/28/85-07/10/85	4	4.6	4.75	5.7	4.1	0.563	0.751	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/28/85-07/10/85	4	0.	0.25	1.	0.	0.25	0.5	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/28/85-07/10/85	4	36.	70.25	193.	16.	6785.583	82.375	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/28/85-07/10/85	4	2.9	2.9	3.	2.8	0.007	0.082	**	**	**	**
71885	IRON (UG/L AS FE)	03/28/85-07/10/85	4	0.35	0.425	1.	0.	0.256	0.506	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/28/85-07/10/85	4	2480.	2480.	2480.	2480.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/28/85-07/10/85	4	0.1	0.145	0.3	0.08	0.011	0.104	**	**	**	**
83509	STREAM, WIDTH METER	03/28/85-07/10/85	4	9.1	9.1	9.1	9.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0237

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	1	0	0.00	3	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	4	0	0.00	1	0	0.00	3	0	0.00						
	Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00	3	0	0.00						
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	4	4	1.00	1	1	1.00	3	3	1.00						
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00	3	0	0.00						
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	4	0	0.00	1	0	0.00	3	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00	3	0	0.00						
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	4	0	0.00	1	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0238

NPS Station ID: GRSM0238 LAT/LON: 35.760837/ -83.355560 Agency: 112WRD Date Created: 02/15/78
Location: WEBB CREEK NR PITTMAN CENTER, TN
Station Type: /TYPA/AMBNT/STREAM FIPS State/County: 47155 TENNESSEE/SEVIER
RMI-Indexes: STORET Station ID(s): 03469112
RMI-Miles:
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107024 RF1 Mile Point: 2.710 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107000117.70 RF3 Mile Point: 21.23 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0238

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		11/16/76-11/16/76	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	11/16/76-11/16/76	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		11/16/76-11/16/76	1	42.	42.	42.	42.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exists to compare against the data at this station. **********

Station Inventory for Station: GRSM0239

NPS Station ID: GRSM0239 LAT/LON: 35.760837/ -83.355560 Agency: 21TNWQ Date Created: 09/11/82
Location: WEBB CR 3.6 QUAD 164SW FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS22
RMI-Indexes: 1021500 007720 00920 9300 1120 1430
RMI-Miles: 0953.80 0046.50 652.10 027.40 023.05 003.60
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107024 RF1 Mile Point: 2.710 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107002001.68 RF3 Mile Point: 1.96 Distance from RF3: 0.09 On/Off RF3:
Description:
100 YDS ABOVE COBBLY KNOB WWTP WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0239

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/15/81-08/13/81	6	18.5	17.333	23.6	8.	35.111	5.925	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/15/81-08/13/81	6	8.75	8.767	10.2	7.5	0.939	0.969	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/15/81-08/13/81	6	1.	1.	1.	1.	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	04/15/81-08/13/81	6	5.5	6.333	10.	5.	3.867	1.966	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	04/15/81-08/13/81	6	7.45	7.433	8.	7.	0.115	0.339	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		04/15/81-08/13/81	6	7.447	7.337	8.	7.	0.126	0.355	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/15/81-08/13/81	6	0.036	0.046	0.1	0.01	0.001	0.031	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		04/15/81-08/13/81	6	0.055	0.073	0.16	0.02	0.004	0.059	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		04/15/81-08/13/81	6	0.2	0.225	0.4	0.14	0.009	0.095	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		04/15/81-08/13/81	6	0.4	0.65	1.9	0.1	0.455	0.675	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		04/15/81-08/13/81	6	0.045	0.048	0.07	0.03	0.	0.015	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		07/23/81-08/13/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		07/23/81-08/13/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		07/23/81-08/13/81	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		07/23/81-08/13/81	2	205.	205.	230.	180.	1250.	35.355	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		07/23/81-08/13/81	2	10.	10.	10.	10.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)		07/23/81-08/13/81	2	18.	18.	20.	16.	8.	2.823	**	**	**	**
01061 MOLYBDENUM, SUSPENDED (UG/L AS MO)		07/23/81-07/23/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)		08/13/81-08/13/81	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		07/23/81-08/13/81	2	6.	6.	6.	6.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		08/13/81-08/13/81	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0239

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	6	0	0.00				6	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	6	0	0.00				6	0	0.00						
	Other-Lo Lim.	6.5	6	0	0.00				6	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	6	0	0.00				6	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	0	0.00				2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0239

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01034 CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00				2	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	2	0	0.00				2	0	0.00						
	Drinking Water	1300.	2	0	0.00				2	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	2	1.00				2	2	1.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	100.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00				2	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0240

NPS Station ID: GRSM0240 LAT/LON: 35.763059/ -83.210560 Agency: 112WRD Date Created: / /
Location: COSBY CR NR BLUFFTON TENN FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03461180
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106008 RF1 Mile Point: 4.000 Distance from RF1: 4.80 On/Off RF1: OFF
RF3 Index: 06010107018300.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0240

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060 FLOW, STREAM, MEAN DAILY CFS	09/24/68-09/24/68	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	09/24/68-09/24/68	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/24/68-09/24/68	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	09/24/68-09/24/68	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	09/24/68-09/24/68	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/24/68-09/24/68	1	2.512	2.512	2.512	2.512	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	09/24/68-09/24/68	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	09/24/68-09/24/68	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	09/24/68-09/24/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	09/24/68-09/24/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	09/24/68-09/24/68	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	09/24/68-09/24/68	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	09/24/68-09/24/68	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	09/24/68-09/24/68	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	09/24/68-09/24/68	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	09/24/68-09/24/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	09/24/68-09/24/68	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	09/24/68-09/24/68	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	09/24/68-09/24/68	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	09/24/68-09/24/68	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	09/24/68-09/24/68	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	09/24/68-09/24/68	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	09/24/68-09/24/68	1	10.	10.	10.	10.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/24/68-09/24/68	1	22.	22.	22.	22.	0.	0.	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	09/24/68-09/24/68	1	15.	15.	15.	15.	0.	0.	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY	09/24/68-09/24/68	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	09/24/68-09/24/68	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	09/24/68-09/24/68	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0240

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00400 PH	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0241

NPS Station ID: GRSM0241 LAT/LON: 35.764726/ -83.363060 Agency: 21TNWQ Date Created: 09/11/82
Location: WEBB CR 5.7 QUAD 164SE FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS07
RMI-Indexes: 1021500 007720 00920 9300 1120 1430
RMI-Miles: 0953.80 0046.50 652.10 027.40 023.05 005.70
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107024 RF1 Mile Point: 2.200 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107002000.00 RF3 Mile Point: 0.43 Distance from RF3: 0.04 On/Off RF3:
Description:
WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0241

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: GRSM0242

NPS Station ID: GRSM0242 LAT/LON: 35.769170/ -83.527781 Agency: 131TVAC Date Created: / /
Location: BELOW GNATTY BRANCH FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 475504 /5299
RMI-Indexes: 1021500 007720 00920 9300 1120 0220
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 013.00
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: WEST PRONG LITTLE PIGEON RIVER 13.0 ECO Region:
RF1 Index: 06010107 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010107000903.40 RF3 Mile Point: 3.59 Distance from RF3: 0.04 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0242

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/26/68-08/26/68	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	08/23/68-08/26/68	2	96.	96.	96.	96.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	08/26/68-08/26/68	1	8.5	8.5	8.5	8.5	0.	0.	**	**	**	**
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	08/23/68-08/26/68	2	119500.	119500.	210000.	29000.	16380500000.	127986.327	**	**	**	**
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	08/23/68-08/26/68	2	4.892	4.892	5.322	4.462	0.37	0.608	**	**	**	**
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3			GEOMETRIC MEAN =	78038.452								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/23/68-08/26/68	2	9300.	9300.	14000.	4600.	44180000.	6646.804	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/23/68-08/26/68	2	3.904	3.904	4.146	3.663	0.117	0.342	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	8024.961								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0242

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	1	0	0.00				1	0	0.00						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED,	Other-Hi Lim.	1000.	2	2	1.00				2	2	1.00						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00				2	2	1.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0243

NPS Station ID: GRSM0243 LAT/LON: 35.771671/ -83.535559 Agency: 21TNWQ Date Created: 09/11/82
Location: W PRONG LITTLE PIGEON R 12.5 QUAD 156SE FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): LPIGEONIS01
RMI-Indexes: 1021500 007720 00920 9300 1120 0220
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 012.50
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010107014 RF1 Mile Point: 4.610 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107002800.00 RF3 Mile Point: 0.00 Distance from RF3: 0.02 On/Off RF3:
Description:
4.0 MI D/S OF GATLINBURG WWTP

WQ LIB INDEX NO. AW0.03

Parameter Inventory for Station: GRSM0243

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th

******** No Parameter Data Available for this Station ********

Station Inventory for Station: GRSM0244

NPS Station ID: GRSM0244 LAT/LON: 35.772781/ -83.094449 Agency: 21TNWQ Date Created: / /
Location: PIGEON RIVER
FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 002070 /152070 /132070
RMI-Indexes: 1021500 007720 00920 9300 2520
RMI-Miles: 0953.80 0046.50 652.10 073.80 026.20
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010106011 RF1 Mile Point: 0.450 Distance from RF1: 1.20 On/Off RF1: OFF
RF3 Index: 06010106000201.50 RF3 Mile Point: 4.75 Distance from RF3: 0.01 On/Off RF3:
Description:
INTERCHANGE BRIDGE 1.2 MILES DOWNSTREAM FROM WATERVILLE POWERHOUSE

Parameter Inventory for Station: GRSM0244

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/10/67-12/06/68	15	12.	12.793	24.	0.9	53.912	7.342	2.76	6.	20.	23.4
00060 FLOW, STREAM, MEAN DAILY CFS	10/10/67-12/06/68	15	1450.	1418.333	3250.	25.	481648.81	694.009	520.	1050.	1800.	2410.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	10/10/67-12/06/68	15	12.	18.133	128.	2.	948.981	30.806	2.	5.	14.	62.6
00080 COLOR (PLATINUM-COBALT UNITS)	10/10/67-12/06/68	15	56.	72.867	161.	5.	2204.838	46.956	10.4	47.	105.	156.8
00081 COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	10/10/67-12/06/68	14	114.	124.5	242.	38.	3572.731	59.772	42.5	81.5	172.25	222.5
00300 OXYGEN, DISSOLVED MG/L	10/10/67-12/06/68	15	7.9	7.66	10.7	3.	4.368	2.09	3.78	6.4	9.1	10.46
00310 BOD, 5 DAY, 20 DEG C MG/L	10/10/67-12/06/68	15	3.9	3.967	6.6	1.8	3.092	1.759	1.86	2.2	5.6	6.42
00403 PH, LAB, STANDARD UNITS SU	10/10/67-12/06/68	15	7.	6.973	7.9	6.5	0.139	0.373	6.56	6.7	7.1	7.66
00403 CONVERTED PH, LAB, STANDARD UNITS	10/10/67-12/06/68	15	7.	6.858	7.9	6.5	0.153	0.392	6.56	6.7	7.1	7.66
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/10/67-12/06/68	15	0.1	0.139	0.316	0.013	0.008	0.089	0.024	0.079	0.2	0.277
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/10/67-12/06/68	15	42.	40.	63.	8.	270.286	16.44	15.8	26.	59.	62.4
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	10/10/67-12/06/68	15	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00437 ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	10/10/67-12/06/68	15	4.	4.267	10.	2.	8.352	2.89	2.	2.	6.	9.4
00500 RESIDUE, TOTAL (MG/L)	10/10/67-12/06/68	15	203.	212.067	461.	75.	13362.924	115.598	77.4	123.	302.	412.4
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/10/67-12/06/68	15	165.	181.533	451.	60.	12024.981	109.658	66.6	90.	248.	358.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/10/67-12/06/68	15	10.	30.533	290.	2.	5230.981	72.326	3.2	6.	24.	135.2
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/10/67-12/06/68	15##	0.01	0.053	0.2	0.01	0.004	0.059	0.01	0.01	0.1	0.14
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/10/67-12/06/68	15	76.	74.	150.	10.	1138.	33.734	26.2	49.	90.	124.8
00910 CALCIUM (MG/L AS CACO3)	10/10/67-12/06/68	15	59.	62.733	134.	5.	1079.21	32.851	15.2	37.	82.	116.6
00920 MAGNESIUM (MG/L AS CACO3)	10/10/67-12/06/68	15	10.	11.267	26.	0.	58.495	7.648	1.2	5.	16.	25.4
00929 SODIUM, TOTAL (MG/L AS NA)	10/10/67-12/06/68	15	22.	26.54	72.8	7.8	336.163	18.335	9.6	10.8	32.9	63.44
00937 POTASSIUM, TOTAL MG/L AS K)	10/10/67-12/06/68	15	1.5	1.773	3.2	0.1	0.926	0.962	0.34	1.2	2.8	3.14
00940 CHLORIDE,TOTAL IN WATER MG/L	10/10/67-12/06/68	15	47.	56.4	162.	20.	1526.829	39.075	20.	26.	77.	124.8
00945 SULFATE, TOTAL (MG/L AS SO4)	10/10/67-12/06/68	15	13.	15.667	37.	7.	73.524	8.575	7.6	9.	21.	31.6
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/10/67-12/06/68	15##	0.05	0.087	0.3	0.05	0.005	0.072	0.05	0.05	0.1	0.24
00955 SILICA, DISSOLVED (MG/L AS SI02)	10/10/67-12/06/68	15	11.3	11.22	14.5	8.3	2.567	1.602	9.26	10.	12.7	13.6
01045 IRON, TOTAL (UG/L AS FE)	10/10/67-12/06/68	15	800.	3060.	35500.	200.	80634000.	8979.644	260.	500.	1000.	15040.
01055 MANGANESE, TOTAL (UG/L AS MN)	10/10/67-12/06/68	15	200.	198.333	1000.	25.	55845.238	236.316	25.	100.	200.	580.
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	03/13/68-12/06/68	10	60500.	190350.	980000.	3500.	91370613888.889	302275.725	4500.	14250.	305000.	917000.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	03/13/68-12/06/68	10	4.78	4.795	5.991	3.544	0.546	0.739	3.603	4.154	5.483	5.947
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3			GEOMETRIC MEAN =	62437.714								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/68-12/06/68	10	100.	2964.	12000.	40.	18903182.222	4347.779	46.	100.	7225.	11560.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/13/68-12/06/68	10	2.	2.679	4.079	1.602	0.971	0.985	1.642	2.	3.859	4.059
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	477.917								
32240 TANNIN AND LIGNIN (MG/L)	10/10/67-12/06/68	15	1.3	1.813	6.3	0.4	2.488	1.577	0.46	0.6	2.4	4.68
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	12/13/67-12/13/67	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0244

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	15	1	0.07	8	1	0.13	7	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	15	1	0.07	8	0	0.00	7	1	0.14						
00403 PH, LAB	Other-Hi Lim.	9.	15	0	0.00	8	0	0.00	7	0	0.00						
	Other-Lo Lim.	6.5	15	1	0.07	8	0	0.00	7	1	0.14						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	15	0	0.00	8	0	0.00	7	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	15	0	0.00	8	0	0.00	7	0	0.00						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	10	10	1.00	3	3	1.00	7	7	1.00						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	4	0.40	3	1	0.33	7	3	0.43						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0245

NPS Station ID: GRSM0245 LAT/LON: 35.774726/ -83.098337 Agency: 21TNWQ Date Created: 02/25/84
Location: PIGEON RIVER 26.0 QUAD 173SE FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PIGEONRIS01
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 06010106011 RF1 Mile Point: 0.100 Distance from RF1: 3.40 On/Off RF1: OFF
RF3 Index: 06010107026800.00 RF3 Mile Point: 1.17 Distance from RF3: 0.03 On/Off RF3:
Description:
TENN DIVISION OF WATER MANAGEMENT LIBRARY FILE INDEX NO. AV0.07

Parameter Inventory for Station: GRSM0245

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/82-06/07/83	9	250.	376.667	810.	40.	95875.	309.637	40.	130.	755.	810.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/20/82-06/07/83	9	2.398	2.406	2.908	1.602	0.199	0.446	1.602	2.102	2.878	2.908
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	254.763								
31679 FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	10/20/82-06/07/83	9	120.	1111.111	6700.	10.	4845311.111	2201.207	10.	25.	1400.	6700.
31679 LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	10/20/82-06/07/83	9	2.079	2.213	3.826	1.	0.967	0.983	1.	1.301	3.084	3.826
31679 GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4			GEOMETRIC MEAN =	163.333								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0245

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	9	5	0.56	5	3	0.60	4	2	0.50						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0246

NPS Station ID: GRSM0246 LAT/LON: 35.775004/ -83.100003 Agency: 11EPALES Date Created: / /
Location: WATERVILLE LAKE HYDROELEC TUNNEL
Station Type: /TYPA/AMBNT/STREAM
FIPS State/County: 37000 NORTH CAROLINA/
STORET Station ID(s): 3718A1 /LS3718A1
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: 0/WATERVILLE LAKE Elevation: 0 Water Body Id:
Minor Basin: AT POWER PLANT ECO Region:
RF1 Index: 06010106010 RF1 Mile Point: 0.100 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010204043900.00 RF3 Mile Point: 0.00 Distance from RF3: 0.05 On/Off RF3:
Description:
AT POWER PLANT NOTE SAMPLE AT POWER PLANT AT CONFLUENCE OF BIG CREEK AND PIGEON RIVER SO THAT ONLY THE WATER FROM THE TUNNEL IS BEING SAMPLED

Parameter Inventory for Station: GRSM0246

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/25/73-02/24/74	10	0.13	0.12	0.168	0.048	0.001	0.033	0.053	0.103	0.139	0.165
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/25/73-02/24/74	10	0.008	0.016	0.055	0.003	0.	0.018	0.003	0.005	0.031	0.053
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	03/25/73-02/24/74	10	0.46	0.465	0.58	0.368	0.005	0.071	0.37	0.39	0.533	0.576
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/25/73-02/24/74	10	0.62	0.708	1.4	0.2	0.176	0.42	0.213	0.383	1.178	1.386
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/25/73-02/24/74	10	0.47	0.481	0.59	0.37	0.006	0.075	0.372	0.42	0.548	0.588
00665 PHOSPHORUS, TOTAL (MG/L AS P)	03/25/73-02/24/74	10	0.083	0.083	0.145	0.055	0.001	0.025	0.055	0.063	0.091	0.14
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/25/73-02/24/74	10	0.036	0.034	0.05	0.016	0.	0.011	0.016	0.024	0.042	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0246

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	10	0	0.00	6	0	0.00	4	0	0.00						
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	6	0	0.00	4	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	10	0	0.00	6	0	0.00	4	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0247

NPS Station ID: GRSM0247 LAT/LON: 35.775004/ -83.100003 Agency: 11EPALES Date Created: / /
Location: WATERVILLE RESERVOIR FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 371801
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 135 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106010 RF1 Mile Point: 0.100 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106002001.82 RF3 Mile Point: 5.21 Distance from RF3: 0.13 On/Off RF3:
Description:

CAUTION: WIRES CROSSING CANYON JUST BELOW DAM. 250 DEGREES ABOVE DAM LEVEL. SAMPLE SITE ABOUT 300 YDS ABOVE DAM. MIDCHANNEL. COMMENTS: 3-24 ULE 16. SLIGHTLY TURBID; NO VISIBLE ALGAE; 1% LIGHT AT 4-1/2 FT. 4.5% LIGHT AT 1 FT. 7-5 ULE 18; 1% LIGHT AT 6 FT. .2% LIGHT AT SURF; VERY BROWNISH. HUMIC COLOR; DEPTH 130 FT. 9-20 ULE 22 PLUS; VERY

Parameter Inventory for Station: GRSM0247

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/24/73-09/20/73	18	20.15	16.989	25.7	9.2	41.519	6.444	9.38	10.2	22.15	25.61
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	03/24/73-09/20/73	18	83.	74.728	98.	0.1	682.04	26.116	27.01	77.25	88.75	95.3
00077	TRANSPARENCY, SECCHI DISC (INCHES)	03/24/73-09/20/73	3	36.	33.333	40.	24.	69.333	8.327	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/20/73-09/20/73	5	694.	600.6	713.	267.	35944.3	189.59	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/24/73-07/05/73	13	250.	236.923	360.	120.	11077.244	105.248	120.	132.5	347.5	358.
00300	OXYGEN, DISSOLVED MG/L	03/24/73-09/20/73	16	3.5	4.644	10.2	0.	18.023	4.245	0.	0.675	9.95	10.2
00400	PH (STANDARD UNITS)	03/24/73-09/20/73	18	7.2	7.228	8.7	6.5	0.308	0.555	6.59	6.775	7.5	8.07
00400	CONVERTED PH (STANDARD UNITS)	03/24/73-09/20/73	18	7.189	6.99	8.7	6.5	0.368	0.606	6.59	6.775	7.5	8.07
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/24/73-09/20/73	18	0.065	0.102	0.316	0.002	0.009	0.093	0.009	0.032	0.169	0.258
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/24/73-09/20/73	18	31.5	33.111	68.	5.	581.516	24.115	5.	5.	61.5	64.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/24/73-09/20/73	18	0.185	0.531	2.96	0.09	0.524	0.724	0.117	0.128	0.823	1.646
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/24/73-09/20/73	18	0.4	1.056	5.	0.3	1.458	1.207	0.3	0.3	1.9	2.3
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/24/73-09/20/73	18	0.635	0.557	0.8	0.07	0.031	0.176	0.322	0.455	0.663	0.755
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/24/73-09/20/73	18	0.082	0.094	0.244	0.057	0.002	0.044	0.058	0.064	0.112	0.134
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATF (MG/L AS P)	03/24/73-09/20/73	18	0.038	0.036	0.05	0.019	0.	0.008	0.022	0.032	0.041	0.045
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	03/24/73-09/20/73	3	1.4	5.667	15.3	0.3	69.903	8.361	**	**	**	**
72025	DEPTH OF POND OR RESERVOIR IN FEET	03/24/73-09/20/73	3	130.	123.	135.	104.	277.	16.643	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0247

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	16	9	0.56	5	0	0.00	11	9	0.82						
00400	PH	Other-Hi Lim.	9.	18	0	0.00	6	0	0.00	12	0	0.00						
		Other-Lo Lim.	6.5	18	1	0.06	6	0	0.00	12	1	0.08						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	18	0	0.00	6	0	0.00	12	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0248

NPS Station ID: GRSM0248 LAT/LON: 35.775004/ -83.539170 Agency: 131TVAC Date Created: / /
Location: BRIDGE SSE OF PIGEON FORGE
FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475995 /5296
RMI-Indexes: 1021500 007720 00920 9300 1120 0220
RMI-Miles: 0953.80 0046.50 652.10 027.40 005.10 012.20
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: WEST PRONG LITTLE PIGEON RIVER 12.2 ECO Region:
RF1 Index: 06010107014 RF1 Mile Point: 4.370 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 06010107016700.00 RF3 Mile Point: 17.85 Distance from RF3: 0.07 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0248

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		04/24/74-03/18/75	14	13.3	12.6	19.2	2.	34.148	5.844	3.2	8.125	17.875	19.1
00061 FLOW, STREAM, INSTANTANEOUS	CFS	04/24/74-03/18/75	12	107.5	240.833	1040.	42.	87645.788	296.05	42.6	54.	347.5	887.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		04/24/74-03/18/75	14	2.3	3.821	19.	1.	24.18	4.917	1.	1.275	3.25	14.5
00080 COLOR (PLATINUM-COBALT UNITS)		04/24/74-03/18/75	14	5.	7.357	20.	5.	19.016	4.361	5.	5.	10.	16.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		04/24/74-04/24/74	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	04/24/74-03/18/75	14	9.2	10.129	13.4	8.3	2.747	1.657	8.35	8.95	11.45	12.95
00310 BOD, 5 DAY, 20 DEG C	MG/L	04/24/74-03/18/75	14	1.05	1.579	5.1	0.5	2.408	1.552	0.5	0.5	1.975	4.9
00400 PH (STANDARD UNITS)		04/24/74-03/18/75	14	6.4	6.293	6.7	5.4	0.108	0.329	5.65	6.225	6.425	6.65
00400 CONVERTED PH (STANDARD UNITS)		04/24/74-03/18/75	14	6.4	6.129	6.7	5.4	0.137	0.37	5.65	6.225	6.425	6.65
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		04/24/74-03/18/75	14	0.398	0.743	3.981	0.2	0.951	0.975	0.225	0.378	0.626	2.62
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		04/24/74-03/18/75	14	14.5	15.286	24.	5.	30.527	5.525	7.5	11.	19.75	23.5
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)		04/24/74-03/18/75	14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		04/24/74-03/18/75	14	3.5	4.786	21.	1.	27.874	5.28	1.	1.	5.	15.5
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C		04/24/74-03/18/75	14	270.	711.786	3400.	5.	1160113.874	1077.086	7.5	37.5	800.	3135.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,		04/24/74-03/18/75	14	2.431	2.287	3.531	0.699	0.744	0.863	0.849	1.571	2.897	3.495
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3				GEOMETRIC MEAN =	193.86								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		04/24/74-03/18/75	14	65.	299.643	1120.	5.	181247.94	425.732	5.	5.	667.5	1080.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		04/24/74-03/18/75	14	1.739	1.734	3.049	0.699	0.964	0.982	0.699	0.699	2.815	3.033
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	54.242								
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		04/24/74-03/18/75	14	30.	32.143	50.	20.	156.593	12.514	20.	20.	42.5	50.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0248

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	14	0	0.00	6	0	0.00	8	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	14	0	0.00	6	0	0.00	8	0	0.00						
00400 PH	Other-Hi Lim.	9.	14	0	0.00	6	0	0.00	8	0	0.00						
	Other-Lo Lim.	6.5	14	12	0.86	6	5	0.83	8	7	0.88						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	14	3	0.21	6	0	0.00	8	3	0.38						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	14	4	0.29	6	0	0.00	8	4	0.50						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0249

NPS Station ID: GRSM0249 LAT/LON: 35.775559/ -83.100281 Agency: 112WRD Date Created: / /
Location: PIGEON RIVER AT WATERVILLE N C FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03460766
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106009 RF1 Mile Point: 12.560 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106001202.97 RF3 Mile Point: 3.16 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/11/68-07/25/73	51	15.8	15.282	27.	1.	43.683	6.609	6.04	9.	21.	22.9
00060 FLOW, STREAM, MEAN DAILY	CFS	06/27/68-07/25/73	53	1500.	1554.83	3190.	24.	743163.99	862.07	126.4	894.	2235.	2780.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		07/21/70-08/29/72	2##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		10/17/57-03/28/73	69	100.	112.42	400.	12.	5181.983	71.986	40.	60.	140.	200.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/17/57-07/25/73	101	260.	283.624	700.	61.	16294.597	127.65	138.4	191.	357.5	460.
00300 OXYGEN, DISSOLVED	MG/L	06/27/68-07/25/73	30	8.15	8.03	10.6	4.3	3.304	1.818	5.73	6.525	9.625	10.47
00310 BOD, 5 DAY, 20 DEG C	MG/L	08/18/69-03/28/73	22	2.8	3.436	9.5	0.3	6.646	2.578	0.76	1.575	5.025	8.
00400 PH (STANDARD UNITS)		10/17/57-07/25/73	101	6.8	6.898	7.6	6.2	0.149	0.385	6.4	6.5	7.3	7.4
00400 CONVERTED PH (STANDARD UNITS)		10/17/57-07/25/73	101	6.8	6.741	7.6	6.2	0.173	0.416	6.4	6.5	7.3	7.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/17/57-07/25/73	101	0.158	0.181	0.631	0.025	0.022	0.149	0.04	0.05	0.316	0.398
00405 CARBON DIOXIDE (MG/L AS CO2)		03/28/73-05/16/73	2	6.35	6.35	11.	1.7	43.245	6.576	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		06/27/68-06/27/73	31	34.	36.613	80.	16.	213.578	14.614	22.4	25.	45.	59.8
00440 BICARBONATE ION (MG/L AS HCO3)		10/17/57-06/27/73	79	41.	43.911	98.	15.	266.595	16.328	24.	34.	53.	70.
00445 CARBONATE ION (MG/L AS CO3)		06/27/68-05/16/73	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500 RESIDUE, TOTAL (MG/L)		10/29/70-10/29/70	1	379.	379.	379.	379.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		07/21/70-08/29/72	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)		08/29/72-03/28/73	2	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS PO4)		06/27/68-07/21/70	2	0.06	0.06	0.11	0.01	0.005	0.071	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		09/11/68-03/23/71	11	0.02	0.157	1.4	0.	0.172	0.415	0.	0.	0.07	1.15
00665 PHOSPHORUS, TOTAL (MG/L AS P)		08/29/72-03/28/73	2	0.062	0.062	0.071	0.052	0.	0.013	**	**	**	**
00720 CYANIDE, TOTAL (MG/L AS CN)	MG/L	08/29/72-08/29/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/17/57-03/28/73	74	57.	59.635	124.	16.	550.29	23.458	33.	43.5	72.75	92.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		10/17/57-03/28/73	74	21.5	24.486	68.	0.	216.198	14.704	8.	13.75	32.	45.
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/17/57-03/28/73	74	20.	20.964	47.	4.6	77.931	8.828	10.5	15.	26.	33.5
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/17/57-03/28/73	74	1.6	1.78	8.3	0.7	1.259	1.122	1.	1.2	1.9	2.45
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/17/57-03/28/73	74	28.	30.424	72.	6.8	211.347	14.538	13.	20.75	38.25	53.
00931 SODIUM ADSORPTION RATIO		06/27/68-03/28/73	15	1.6	1.713	2.9	0.7	0.371	0.609	0.88	1.4	2.2	2.72
00932 SODIUM, PERCENT		06/27/68-03/28/73	15	49.	49.	56.	44.	15.143	3.891	44.6	46.	52.	56.
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/17/57-03/28/73	74	1.75	1.919	7.5	0.9	1.027	1.013	1.05	1.3	2.125	3.
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/17/57-03/28/73	74	50.	52.905	133.	10.	685.813	26.188	22.5	32.75	67.25	89.5
00945 SULFATE, TOTAL (MG/L AS SO4)		10/17/57-03/28/73	74	15.	16.203	38.	4.	48.438	6.96	8.	11.	20.25	26.
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/17/57-03/28/73	74	0.2	0.192	0.4	0.	0.009	0.095	0.1	0.1	0.3	0.3
00955 SILICA, DISSOLVED (MG/L AS SIO2)		10/17/57-03/28/73	74	9.3	9.268	13.	6.4	1.464	1.21	7.8	8.4	10.	11.
01025 CADMIUM, DISSOLVED (UG/L AS CD)		07/21/70-08/29/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)		07/21/70-07/21/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01040 COPPER, DISSOLVED (UG/L AS CU)		07/21/70-08/29/72	2	10.	10.	20.	0.	200.	14.142	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)		10/17/57-08/28/69	49	240.	275.714	1000.	0.	39404.167	198.505	60.	115.	440.	510.
01046 IRON, DISSOLVED (UG/L AS FE)		06/27/68-03/28/73	14	100.	100.074	260.	0.03	4914.533	70.104	2.515	47.25	138.25	215.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01049 LEAD, DISSOLVED (UG/L AS PB)	07/21/70-08/29/72	2	0.	0.	0.	0.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	07/21/70-07/21/70	1	22.	22.	22.	22.	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	07/21/70-08/29/72	2	13.5	13.5	23.	4.	180.5	13.435	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	08/28/69-08/28/69	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	07/21/70-08/29/72	2	50.	50.	67.	33.	578.	24.042	**	**	**	**
01501 ALPHA, TOTAL	11/23/71-11/23/71	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01502 ALPHA, TOTAL, COUNTING ERROR	11/23/71-11/23/71	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01503 ALPHA, DISSOLVED	11/23/71-11/23/71	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01504 ALPHA, DISSOLVED, COUNTING ERROR	11/23/71-11/23/71	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01505 ALPHA, SUSPENDED	11/23/71-11/23/71	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
01506 ALPHA, SUSPENDED, COUNTING ERROR	11/23/71-11/23/71	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
03501 BETA, TOTAL	04/28/70-11/23/71	4	4.	3.75	5.	2.	2.25	1.5	**	**	**	**
03502 BETA, TOTAL, COUNTING ERROR	11/23/71-11/23/71	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
03503 BETA, DISSOLVED	11/23/71-11/23/71	1	3.	3.	3.	3.	0.	0.	**	**	**	**
03504 BETA, DISSOLVED, COUNTING ERROR	11/23/71-11/23/71	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
03505 BETA, SUSPENDED	11/23/71-11/23/71	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
03506 BETA, SUSPENDED, COUNTING ERROR	11/23/71-11/23/71	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
13501 STRONTIUM 90, TOTAL	11/23/71-11/23/71	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
15501 STRONTIUM 89, TOTAL	11/23/71-11/23/71	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	07/28/71-07/25/73	18	2900.	3798.333	15900.	200.	16222285.294	4027.69	290.	867.5	4500.	10140.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	07/28/71-07/25/73	18	3.462	3.333	4.201	2.301	0.283	0.532	2.46	2.918	3.653	4.
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3		GEOMETRIC MEAN =		2151.556								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/23/71-09/29/71	2	225.	225.	350.	100.	31250.	176.777	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/23/71-09/29/71	2	2.272	2.272	2.544	2.	0.148	0.385	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		187.083								
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/21/70-08/29/72	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	09/11/68-03/28/73	27	0.14	0.153	0.65	0.	0.02	0.143	0.	0.05	0.19	0.328
39504 PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	07/02/70-07/02/70	1	25.	25.	25.	25.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	74	170.5	183.	390.	36.	5540.767	74.436	91.5	131.25	228.5	289.
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/27/68-03/28/73	15	158.	182.933	329.	45.	7128.21	84.429	69.	134.	247.	327.8
70302 SOLIDS, DISSOLVED-TONS PER DAY	06/27/68-03/28/73	14	865.5	850.059	1670.01	11.7	218609.081	467.557	55.4	529.5	1167.5	1510.005
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/27/68-03/28/73	15	0.25	0.285	0.53	0.05	0.017	0.132	0.098	0.22	0.37	0.512
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/17/57-09/17/62	48	0.7	0.742	2.2	0.1	0.177	0.42	0.29	0.4	1.	1.31
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/17/61-03/28/73	37	0.8	1.016	3.8	0.2	0.625	0.79	0.38	0.45	1.4	2.14
71885 IRON (UG/L AS FE)	10/17/61-09/16/63	23	310.	313.913	730.	0.	33424.901	182.825	74.	180.	430.	564.
71900 MERCURY, TOTAL (UG/L AS HG)	03/23/71-03/23/71	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0249

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	0	0.00				2	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	30	0	0.00	10	0	0.00	20	0	0.00						
00400 PH	Other-Hi Lim.	9.	101	0	0.00	47	0	0.00	54	0	0.00						
	Other-Lo Lim.	6.5	101	26	0.26	47	20	0.43	54	6	0.11						
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	2	0	0.00	1	0	0.00	1	0	0.00						
00720 CYANIDE, TOTAL	Fresh Acute	0.022	1	0	0.00				1	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	74	0	0.00	37	0	0.00	37	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	74	0	0.00	37	0	0.00	37	0	0.00						
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	0	0.00				2	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01040 COPPER, DISSOLVED	Fresh Acute	18.	2	1	0.50				2	1	0.50						
	Drinking Water	1300.	2	0	0.00				2	0	0.00						
01049 LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00				2	0	0.00						
	Drinking Water	5.	2	0	0.00				2	0	0.00						
01090 ZINC, DISSOLVED	Fresh Acute	120.	2	0	0.00				2	0	0.00						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	18	14	0.78	7	5	0.71	11	9	0.82						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: GRSM0249

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	1	0.50	1	0	0.00	1	1	1.00						
71850 NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	48	0	0.00	24	0	0.00	24	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	37	0	0.00	19	0	0.00	18	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1957 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080 COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	3	80.	86.667	110.	70.	433.333	20.817	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	3	199.	207.	250.	172.	1569.	39.611	**	**	**	**
00400 PH (STANDARD UNITS)	10/17/57-07/25/73	3	6.5	6.733	7.2	6.5	0.163	0.404	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	3	6.5	6.635	7.2	6.5	0.178	0.422	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	3	0.316	0.232	0.316	0.063	0.021	0.146	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	3	37.	38.333	41.	37.	5.333	2.309	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	3	45.	44.	52.	35.	73.	8.544	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	3	15.	12.667	18.	5.	46.333	6.807	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	3	17.	16.	19.	12.	13.	3.606	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	3	1.2	1.167	1.5	0.8	0.123	0.351	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	3	19.	20.333	24.	18.	10.333	3.215	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	3	1.	1.033	1.1	1.	0.003	0.058	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	3	32.	34.	44.	26.	84.	9.165	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	3	10.	11.333	14.	10.	5.333	2.309	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	3	0.1	0.067	0.1	0.	0.003	0.058	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	10/17/57-03/28/73	3	7.	7.6	8.9	6.9	1.27	1.127	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	10/17/57-08/28/69	3	100.	100.	140.	60.	1600.	40.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	3	126.	130.	155.	109.	541.	23.259	**	**	**	**
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/17/57-09/17/62	3	0.8	0.867	1.	0.8	0.013	0.115	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1958 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080 COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	9	100.	117.778	200.	55.	2988.194	54.664	55.	77.5	180.	200.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	9	217.	233.222	434.	112.	10621.694	103.062	112.	151.	306.	434.
00400 PH (STANDARD UNITS)	10/17/57-07/25/73	9	6.6	6.633	7.2	6.3	0.11	0.332	6.3	6.3	6.95	7.2
00400 CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	9	6.6	6.537	7.2	6.3	0.12	0.347	6.3	6.3	6.95	7.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	9	0.251	0.29	0.501	0.063	0.032	0.177	0.063	0.113	0.501	0.501
00440 BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	9	40.	47.667	95.	24.	455.5	21.342	24.	34.	59.	95.
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	9	45.	51.667	85.	28.	332.5	18.235	28.	38.	67.	85.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	9	13.	12.667	21.	4.	32.5	5.701	4.	8.	17.5	21.
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	9	16.	18.067	31.	8.6	48.54	6.967	8.6	13.	23.5	31.
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	9	1.7	1.756	2.6	1.	0.31	0.557	1.	1.3	2.25	2.6
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	9	23.	27.333	63.	11.	246.25	15.692	11.	17.5	34.5	63.
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	9	1.3	1.722	3.1	1.2	0.519	0.721	1.2	1.3	2.3	3.1
00940 CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	9	36.	42.	85.	16.	479.5	21.897	16.	27.	59.	85.
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	9	11.	10.778	22.	5.	24.444	4.944	5.	7.5	12.5	22.
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	9	0.2	0.178	0.3	0.1	0.007	0.083	0.1	0.1	0.25	0.3
00955 SILICA, DISSOLVED (MG/L AS SIO2)	10/17/57-03/28/73	9	10.	10.411	13.	8.4	2.129	1.459	8.4	9.4	11.5	13.
01045 IRON, TOTAL (UG/L AS FE)	10/17/57-08/28/69	9	250.	238.889	470.	60.	21661.111	147.177	60.	95.	365.	470.
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	9	135.	157.778	299.	81.	4506.194	67.128	81.	119.5	202.	299.
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/17/57-09/17/62	9	1.	0.967	1.4	0.5	0.092	0.304	0.5	0.75	1.25	1.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1959 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080 COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	3	80.	86.667	120.	60.	933.333	30.551	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	3	185.	197.667	238.	170.	1276.333	35.726	**	**	**	**
00400 PH (STANDARD UNITS)	10/17/57-07/25/73	3	6.7	6.733	6.8	6.7	0.003	0.058	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	3	6.7	6.731	6.8	6.7	0.003	0.058	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	3	0.2	0.186	0.2	0.158	0.001	0.024	**	**	**	**

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Annual Analysis for 1959 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00440 BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	3	35.	36.	39.	34.	7.	2.646	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	3	40.	39.	41.	36.	7.	2.646	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	3	9.	10.	13.	8.	7.	2.646	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	3	15.	14.333	15.	13.	1.333	1.155	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	3	0.9	0.967	1.2	0.8	0.043	0.208	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	3	21.	21.	23.	19.	4.	2.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	3	1.5	3.4	7.5	1.2	12.63	3.554	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	3	32.	33.667	42.	27.	58.333	7.638	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	3	12.	12.333	14.	11.	2.333	1.528	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	3	0.2	0.233	0.3	0.2	0.003	0.058	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)	10/17/57-03/28/73	3	9.3	9.267	11.	7.5	3.063	1.75	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	10/17/57-08/28/69	3	190.	296.667	540.	160.	44633.333	211.266	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	3	133.	130.	142.	115.	189.	13.748	**	**	**	**
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/17/57-09/17/62	3	0.3	0.6	1.3	0.2	0.37	0.608	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1960 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080 COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	9	100.	126.667	250.	40.	6775.	82.31	40.	55.	220.	250.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	12	300.	292.25	480.	130.	11345.114	106.513	132.4	209.	378.75	456.
00400 PH (STANDARD UNITS)	10/17/57-07/25/73	12	6.85	6.975	7.5	6.5	0.122	0.349	6.53	6.7	7.375	7.47
00400 CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	12	6.847	6.862	7.5	6.5	0.136	0.369	6.53	6.7	7.375	7.47
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	12	0.142	0.138	0.316	0.032	0.009	0.093	0.034	0.042	0.2	0.297
00440 BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	12	42.5	42.	64.	19.	174.727	13.218	20.2	34.5	52.5	61.3
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	12	67.5	61.833	96.	28.	437.424	20.915	29.2	44.5	78.75	91.2
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	12	27.5	27.417	50.	12.	141.538	11.897	12.3	15.5	32.	48.2
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	12	21.5	21.542	35.	9.5	58.248	7.632	9.95	15.5	26.75	33.5
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	12	1.65	2.017	7.3	0.9	2.938	1.714	0.93	1.2	2.	5.77
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	12	29.5	30.75	52.	12.	158.932	12.607	12.6	21.75	43.	49.9
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	12	1.95	1.758	2.5	0.9	0.27	0.52	0.99	1.25	2.15	2.47
00940 CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	12	55.	55.417	96.	22.	552.447	23.504	22.6	35.	75.5	91.8
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	12	16.	15.833	30.	8.	36.152	6.013	8.	11.75	17.75	27.6
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	12	0.2	0.175	0.3	0.	0.009	0.097	0.03	0.1	0.275	0.3
00955 SILICA, DISSOLVED (MG/L AS SIO2)	10/17/57-03/28/73	12	9.95	10.067	12.	8.4	0.833	0.913	8.7	9.625	10.75	11.7
01045 IRON, TOTAL (UG/L AS FE)	10/17/57-08/28/69	12	370.	360.833	1000.	40.	68390.152	261.515	55.	117.5	467.5	853.
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	12	205.	193.	316.	87.	4926.182	70.187	87.6	137.25	238.75	301.3
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/17/57-09/17/62	12	0.4	0.458	0.9	0.3	0.032	0.178	0.3	0.3	0.575	0.81

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1961 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080 COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	12	130.	120.	190.	40.	2709.091	52.049	43.	65.	170.	187.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	12	277.5	262.417	429.	87.	12535.356	111.961	101.4	149.75	354.75	417.9
00400 PH (STANDARD UNITS)	10/17/57-07/25/73	12	6.95	6.883	7.4	6.2	0.167	0.409	6.26	6.5	7.275	7.4
00400 CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	12	6.947	6.71	7.4	6.2	0.2	0.447	6.26	6.5	7.275	7.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	12	0.113	0.195	0.631	0.04	0.034	0.184	0.04	0.053	0.316	0.561
00440 BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	12	42.5	38.75	56.	15.	149.477	12.226	18.3	29.	46.5	55.4
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	12	56.	55.167	80.	21.	386.333	19.655	24.9	36.	75.	79.4
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	12	25.	23.25	42.	8.	123.477	11.112	8.6	12.	32.75	39.6
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	12	18.5	18.333	28.	6.	47.697	6.906	7.2	12.	24.75	27.4
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	12	1.75	2.25	8.3	0.9	3.821	1.955	0.99	1.425	2.225	6.53

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Annual Analysis for 1961 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	12	30.5	28.517	53.	7.2	203.676	14.272	8.94	14.	37.5	50.9
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	12	1.7	1.608	2.4	0.9	0.172	0.414	0.93	1.325	1.8	2.28
00940 CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	12	54.5	49.417	90.	13.	626.083	25.022	14.2	24.5	67.	86.7
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	12	16.	16.667	25.	7.	37.697	6.14	7.9	12.	23.25	25.
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	12	0.25	0.217	0.3	0.1	0.009	0.094	0.1	0.1	0.3	0.3
00955 SILICA, DISSOLVED (MG/L AS SIO2)	10/17/57-03/28/73	12	9.15	8.958	11.	6.9	1.328	1.152	7.17	7.95	9.7	10.7
01045 IRON, TOTAL (UG/L AS FE)	10/17/57-08/28/69	12	215.	278.333	610.	60.	37542.424	193.759	66.	105.	455.	598.
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	12	183.	176.583	291.	66.	5280.083	72.664	74.4	102.5	229.75	284.4
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/17/57-09/17/62	12	0.7	0.8	2.2	0.1	0.313	0.559	0.13	0.375	0.975	1.93

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1962 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080 COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	12	120.	151.667	400.	40.	12446.97	111.566	44.5	76.25	180.	382.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	12	243.	274.	470.	92.	13449.818	115.973	100.4	214.	380.	455.
00400 PH (STANDARD UNITS)	10/17/57-07/25/73	12	6.65	6.7	7.2	6.4	0.071	0.266	6.43	6.5	6.8	7.2
00400 CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	12	6.647	6.639	7.2	6.4	0.075	0.274	6.43	6.5	6.8	7.2
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	12	0.225	0.23	0.398	0.063	0.011	0.107	0.063	0.158	0.316	0.374
00440 BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	12	41.5	44.25	73.	20.	315.841	17.772	20.3	32.5	55.75	73.
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	12	55.	57.917	98.	22.	585.174	24.19	22.6	44.	79.25	95.6
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	12	21.	21.833	38.	5.	102.697	10.134	5.9	16.	29.	37.7
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	12	18.5	20.217	34.	6.9	78.522	8.861	7.44	15.	28.5	33.7
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	12	1.75	1.742	2.9	0.7	0.372	0.61	0.82	1.3	2.125	2.78
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	12	30.	30.95	56.	8.4	209.703	14.481	9.48	20.75	41.75	54.2
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	12	1.8	1.817	3.	0.9	0.391	0.625	0.96	1.425	1.975	2.97
00940 CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	12	45.	51.25	95.	14.	614.386	24.787	15.5	35.25	70.5	91.7
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	12	15.5	17.25	28.	7.	45.841	6.771	7.3	12.75	24.5	27.1
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	12	0.2	0.192	0.3	0.	0.008	0.09	0.03	0.125	0.275	0.3
00955 SILICA, DISSOLVED (MG/L AS SIO2)	10/17/57-03/28/73	12	9.25	9.392	11.	8.3	0.557	0.746	8.39	8.825	9.95	10.7
01045 IRON, TOTAL (UG/L AS FE)	10/17/57-08/28/69	9	270.	263.333	510.	0.	30575.	174.857	0.	115.	430.	510.
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	12	158.	182.583	325.	62.	6084.447	78.003	66.8	147.5	239.25	313.6
71850 NITRATE NITROGEN,TOTAL (MG/L AS NO3)	10/17/57-09/17/62	9	0.9	0.822	1.5	0.2	0.172	0.415	0.2	0.45	1.1	1.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1963 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080 COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	6	130.	140.833	220.	45.	4324.167	65.758	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	8	281.	296.375	462.	220.	6641.696	81.497	**	**	**	**
00400 PH (STANDARD UNITS)	10/17/57-07/25/73	8	6.8	6.8	7.3	6.2	0.18	0.424	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	8	6.755	6.631	7.3	6.2	0.213	0.461	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	8	0.176	0.234	0.631	0.05	0.043	0.208	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	8	43.	47.25	70.	34.	162.214	12.736	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	8	59.5	62.375	90.	48.	209.696	14.481	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	8	24.5	24.	32.	14.	39.143	6.256	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	8	21.	22.5	33.	17.	32.857	5.732	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	8	1.6	1.625	2.1	1.2	0.076	0.276	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	8	31.5	34.375	57.	24.	120.554	10.98	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	8	2.1	2.65	4.8	1.6	1.806	1.344	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	8	55.5	57.625	94.	37.	332.268	18.228	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	8	16.	18.	26.	13.	27.143	5.21	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	8	0.25	0.238	0.3	0.1	0.006	0.074	**	**	**	**

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Annual Analysis for 1963 - Station GRSM0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SIO2)	10/17/57-03/28/73	8	8.9	8.962	10.	8.1	0.463	0.68	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	8	189.5	197.625	303.	136.	2842.554	53.316	**	**	**	**

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Annual Analysis for 1968 - Station GRSM0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/11/68-07/25/73	2	14.	14.	21.	7.	98.	9.899	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	06/27/68-07/25/73	3	943.	819.333	1420.	95.	450376.333	671.101	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	2	72.5	72.5	100.	45.	1512.5	38.891	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	2	427.5	427.5	581.	274.	47124.5	217.082	**	**	**	**
00400	PH (STANDARD UNITS)	10/17/57-07/25/73	3	7.1	6.933	7.2	6.5	0.143	0.379	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	3	7.1	6.816	7.2	6.5	0.164	0.405	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	3	0.079	0.153	0.316	0.063	0.02	0.142	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	2	48.5	48.5	62.	35.	364.5	19.092	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	2	90.5	90.5	118.	63.	1512.5	38.891	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	2	50.	50.	66.	34.	512.	22.627	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	2	33.5	33.5	44.	23.	220.5	14.849	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	2	1.45	1.45	1.8	1.1	0.245	0.495	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	2	50.	50.	72.	28.	968.	31.113	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	2	2.5	2.5	3.4	1.6	1.62	1.273	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	2	94.5	94.5	133.	56.	2964.5	54.447	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	2	24.5	24.5	33.	16.	144.5	12.021	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)	10/17/57-03/28/73	2	9.7	9.7	10.	9.4	0.18	0.424	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	2	280.	280.	369.	191.	15842.	125.865	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station GRSM0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/11/68-07/25/73	10	17.	15.8	24.	1.	54.178	7.361	1.8	10.5	22.25	23.9
00060	FLOW, STREAM, MEAN DAILY CFS	06/27/68-07/25/73	10	1305.	1431.7	2310.	591.	391465.344	625.672	613.5	954.	2222.5	2305.
00080	COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	5	80.	66.	100.	30.	880.	29.665	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	8	435.	406.125	700.	155.	27543.268	165.962	**	**	**	**
00400	PH (STANDARD UNITS)	10/17/57-07/25/73	8	6.85	6.875	7.5	6.2	0.199	0.446	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	8	6.847	6.684	7.5	6.2	0.241	0.491	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	8	0.142	0.207	0.631	0.032	0.043	0.207	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	8	55.5	59.75	98.	30.	449.643	21.205	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	5	84.	80.6	117.	38.	860.8	29.339	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	5	46.	40.8	57.	17.	275.2	16.589	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	5	31.	29.6	43.	14.	114.3	10.691	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	5	1.4	1.56	2.4	1.	0.308	0.555	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	5	37.	38.2	57.	16.	292.7	17.108	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	5	2.1	2.18	3.	1.1	0.577	0.76	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	5	75.	71.2	102.	29.	791.2	28.128	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	5	20.	20.8	29.	11.	59.7	7.727	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	5	0.2	0.24	0.4	0.2	0.008	0.089	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)	10/17/57-03/28/73	5	8.4	8.42	9.4	7.7	0.502	0.709	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/17/57-08/28/69	1	130.	130.	130.	130.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	5	243.	218.6	284.	112.	5152.3	71.78	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station GRSM0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/11/68-07/25/73	13	16.5	15.238	27.	4.5	55.893	7.476	4.7	7.7	20.75	25.6
00060 FLOW, STREAM, MEAN DAILY	CFS	06/27/68-07/25/73	13	1050.	1214.538	2910.	24.	1129265.436	1062.669	36.	95.5	2095.	2866.
00080 COLOR (PLATINUM-COBALT UNITS)		10/17/57-03/28/73	5	65.	67.4	120.	12.	1913.8	43.747	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/17/57-07/25/73	7	274.	319.857	606.	61.	30566.143	174.832	**	**	**	**
00400 PH (STANDARD UNITS)		10/17/57-07/25/73	8	6.6	6.775	7.4	6.4	0.148	0.385	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/17/57-07/25/73	8	6.6	6.66	7.4	6.4	0.163	0.404	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/17/57-07/25/73	8	0.251	0.219	0.398	0.04	0.017	0.132	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/17/57-06/27/73	5	42.	43.	72.	20.	347.	18.628	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/17/57-03/28/73	5	66.	66.6	124.	16.	1471.8	38.364	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		10/17/57-03/28/73	5	32.	31.4	65.	0.	537.8	23.191	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/17/57-03/28/73	5	22.	23.72	47.	4.6	228.492	15.116	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/17/57-03/28/73	5	1.6	1.6	1.9	1.3	0.065	0.255	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/17/57-03/28/73	5	28.	31.56	67.	6.8	478.768	21.881	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/17/57-03/28/73	5	1.5	1.74	3.1	0.9	0.683	0.825	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/17/57-03/28/73	5	53.	58.2	124.	10.	1691.2	41.124	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/17/57-03/28/73	5	17.	18.6	38.	4.	153.8	12.402	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/17/57-03/28/73	5	0.2	0.18	0.4	0.	0.022	0.148	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		10/17/57-03/28/73	5	8.5	8.28	9.4	6.4	1.307	1.143	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		10/17/57-03/28/73	5	178.	191.	390.	36.	16084.	126.823	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station GRSM0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/11/68-07/25/73	11	15.8	14.618	22.	6.2	40.246	6.344	6.36	8.5	21.2	21.84
00060 FLOW, STREAM, MEAN DAILY	CFS	06/27/68-07/25/73	10	1940.	1882.	2960.	672.	595472.	771.668	694.6	1229.5	2502.5	2939.
00080 COLOR (PLATINUM-COBALT UNITS)		10/17/57-03/28/73	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/17/57-07/25/73	8	275.	302.5	560.	180.	13735.714	117.199	**	**	**	**
00400 PH (STANDARD UNITS)		10/17/57-07/25/73	7	7.3	7.243	7.6	6.6	0.106	0.326	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		10/17/57-07/25/73	7	7.3	7.115	7.6	6.6	0.125	0.354	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/17/57-07/25/73	7	0.05	0.077	0.251	0.025	0.006	0.079	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)		10/17/57-06/27/73	1	34.	34.	34.	34.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/17/57-03/28/73	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)		10/17/57-03/28/73	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)		10/17/57-03/28/73	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)		10/17/57-03/28/73	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)		10/17/57-03/28/73	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)		10/17/57-03/28/73	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/17/57-03/28/73	1	49.	49.	49.	49.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)		10/17/57-03/28/73	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)		10/17/57-03/28/73	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SIO2)		10/17/57-03/28/73	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		10/17/57-03/28/73	1	161.	161.	161.	161.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station GRSM0249

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/11/68-07/25/73	10	14.15	14.7	22.5	6.	25.953	5.094	6.45	10.875	18.95	22.43
00060 FLOW, STREAM, MEAN DAILY	CFS	06/27/68-07/25/73	11	1720.	1609.273	2550.	136.	562758.618	750.172	268.8	856.	2270.	2494.
00080 COLOR (PLATINUM-COBALT UNITS)		10/17/57-03/28/73	1	60.	60.	60.	60.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/17/57-07/25/73	11	260.	285.909	680.	140.	24164.091	155.448	144.	160.	360.	621.
00400 PH (STANDARD UNITS)		10/17/57-07/25/73	11	7.3	7.245	7.5	6.7	0.067	0.258	6.72	7.2	7.4	7.48

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Annual Analysis for 1972 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400 CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	11	7.3	7.159	7.5	6.7	0.075	0.274	6.72	7.2	7.4	7.48
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	11	0.05	0.069	0.2	0.032	0.003	0.056	0.033	0.04	0.063	0.191
00440 BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	1	68.	68.	68.	68.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	1	89.	89.	89.	89.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	10/17/57-03/28/73	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	1	270.	270.	270.	270.	0.	0.	**	**	**	**

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Annual Analysis for 1973 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/11/68-07/25/73	5	20.	17.5	27.	5.5	63.25	7.953	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY CFS	06/27/68-07/25/73	6	1980.	2220.	3190.	1440.	529000.	727.324	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	6	157.5	185.	275.	140.	3460.	58.822	**	**	**	**
00400 PH (STANDARD UNITS)	10/17/57-07/25/73	5	7.2	7.02	7.4	6.5	0.157	0.396	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	5	7.2	6.874	7.4	6.5	0.184	0.429	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	5	0.063	0.134	0.316	0.04	0.015	0.121	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	3	27.	26.	29.	22.	13.	3.606	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	1	36.	36.	36.	36.	0.	0.	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	10/17/57-03/28/73	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	1	96.	96.	96.	96.	0.	0.	**	**	**	**

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Seasonal Analysis for Season #1: 10/01 to 3/31 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080 COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	37	80.	110.676	400.	30.	5544.67	74.463	38.	60.	135.	208.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	46	244.	268.13	606.	87.	12875.049	113.468	139.4	183.75	360.	435.9
00400 PH (STANDARD UNITS)	10/17/57-07/25/73	47	6.6	6.777	7.5	6.2	0.161	0.402	6.3	6.5	7.2	7.4
00400 CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	47	6.6	6.627	7.5	6.2	0.184	0.429	6.3	6.5	7.2	7.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	47	0.251	0.236	0.631	0.032	0.029	0.171	0.04	0.063	0.316	0.501
00440 BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	37	39.	41.865	73.	15.	179.787	13.408	22.8	34.5	48.5	59.2
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	37	52.	59.135	124.	21.	608.176	24.661	33.6	40.5	77.	94.4
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	37	21.	25.	65.	5.	229.	15.133	8.	13.	33.5	50.6
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	37	18.	20.478	47.	6.	83.728	9.15	10.8	15.	25.5	34.2
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	37	1.7	1.959	8.3	0.7	2.267	1.506	0.88	1.2	2.	2.52
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	37	24.	29.762	67.	7.2	215.993	14.697	13.8	19.	41.5	53.
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	37	1.6	1.83	7.5	0.9	1.285	1.134	1.	1.2	2.	3.
00940 CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	37	44.	51.622	124.	13.	742.02	27.24	23.	30.5	73.	91.2
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	37	14.	16.459	38.	7.	58.366	7.64	8.	11.	22.5	28.2
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	37	0.2	0.197	0.4	0.	0.01	0.099	0.1	0.1	0.3	0.3
00955 SILICA, DISSOLVED (MG/L AS SI02)	10/17/57-03/28/73	37	8.9	8.951	11.	6.9	1.073	1.036	7.4	8.2	9.7	10.
01045 IRON, TOTAL (UG/L AS FE)	10/17/57-08/28/69	24	220.	284.583	610.	40.	34825.906	186.617	70.	120.	465.	555.
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	37	158.	179.27	390.	66.	5830.925	76.36	94.6	123.5	237.5	287.8
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/17/61-03/28/73	19	0.9	1.226	3.8	0.2	0.954	0.977	0.4	0.6	1.6	3.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0249

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080 COLOR (PLATINUM-COBALT UNITS)	10/17/57-03/28/73	32	100.	114.438	340.	12.	4920.125	70.144	40.	52.5	155.	207.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/57-07/25/73	55	278.	296.582	700.	61.	19070.47	138.096	134.8	200.	355.	474.
00400 PH (STANDARD UNITS)	10/17/57-07/25/73	54	7.	7.004	7.6	6.3	0.116	0.34	6.5	6.7	7.3	7.4
00400 CONVERTED PH (STANDARD UNITS)	10/17/57-07/25/73	54	7.	6.874	7.6	6.3	0.133	0.365	6.5	6.7	7.3	7.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/57-07/25/73	54	0.1	0.134	0.501	0.025	0.012	0.107	0.04	0.05	0.2	0.316
00440 BICARBONATE ION (MG/L AS HCO3)	10/17/57-06/27/73	42	42.	45.714	98.	19.	342.209	18.499	24.6	33.5	56.5	72.1
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/17/57-03/28/73	37	63.	60.135	118.	16.	507.176	22.521	28.	44.	71.	91.6
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/17/57-03/28/73	37	24.	23.973	68.	0.	208.86	14.452	7.4	15.	30.5	39.6
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/17/57-03/28/73	37	22.	21.449	44.	4.6	73.815	8.592	9.32	15.	26.5	33.2
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/57-03/28/73	37	1.5	1.6	2.9	0.9	0.218	0.467	1.1	1.25	1.8	2.28
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/17/57-03/28/73	37	29.	31.086	72.	6.8	211.67	14.549	11.8	23.5	38.	56.2
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/17/57-03/28/73	37	1.9	2.008	4.8	0.9	0.781	0.884	1.08	1.4	2.2	3.16
00940 CHLORIDE,TOTAL IN WATER MG/L	10/17/57-03/28/73	37	54.	54.189	133.	10.	645.269	25.402	20.8	38.5	65.5	90.
00945 SULFATE, TOTAL (MG/L AS SO4)	10/17/57-03/28/73	37	16.	15.946	33.	4.	39.719	6.302	7.8	12.	19.5	25.2
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/17/57-03/28/73	37	0.2	0.186	0.3	0.	0.008	0.092	0.08	0.1	0.3	0.3
00955 SILICA, DISSOLVED (MG/L AS SI02)	10/17/57-03/28/73	37	9.4	9.584	13.	6.4	1.689	1.3	8.22	8.8	10.	11.2
01045 IRON, TOTAL (UG/L AS FE)	10/17/57-08/28/69	25	240.	267.2	1000.	0.	45279.333	212.789	60.	105.	375.	486.
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/57-03/28/73	37	181.	186.73	369.	36.	5375.925	73.321	85.8	141.	223.5	299.8
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/17/61-03/28/73	18	0.7	0.794	1.8	0.2	0.211	0.46	0.29	0.4	1.025	1.53

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Station Inventory for Station: GRSM0250

NPS Station ID: GRSM0250 LAT/LON: 35.776948/ -83.405837 Agency: 131TVAC Date Created: 11/21/75
Location: BR. 1.3 MI. NW OF PITTMAN CENTER FIPS State/County: 47155 TENNESSEE/SEVIER
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 476050 /5282
RMI-Indexes: 1021500 007720 00920 9300 1120
RMI-Miles: 0953.80 0046.50 652.10 027.40 021.50
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: LITTLE PIGEON RIVER 21.5 ECO Region:
RF1 Index: 06010107020 RF1 Mile Point: 6.410 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010201003224.25 RF3 Mile Point: 24.26 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0250

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/21/75-06/01/94	22	9.8	10.895	19.4	0.2	34.78	5.897	3.07	6.275	17.6	18.88
00061	FLOW, STREAM, INSTANTANEOUS	CFS	10/21/75-02/08/77	18	84.5	160.111	1200.	25.	73505.987	271.12	29.5	40.5	191.	386.4
00070	TURBIDITY, (JACKSON CANDLE UNITS)		10/21/75-02/08/77	17	1.	1.429	3.5	0.5	1.221	1.105	0.5	0.5	2.25	3.26
00080	COLOR (PLATINUM-COBALT UNITS)		10/21/75-02/08/77	17	2.	3.294	9.	1.	7.971	2.823	1.	1.	5.5	8.2
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS		10/21/75-02/08/77	17	6.	7.588	30.	1.	43.132	6.568	1.8	4.5	9.	16.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/21/75-02/08/77	17	26.	27.294	33.	21.	16.596	4.074	21.8	23.5	31.	33.
00300	OXYGEN, DISSOLVED	MG/L	10/21/75-06/01/94	19	11.1	10.837	13.7	7.6	2.864	1.692	7.8	9.8	12.2	13.5
00310	BOD, 5 DAY, 20 DEG C	MG/L	11/18/75-02/08/77	19##	0.5	0.9	2.8	0.5	0.537	0.733	0.5	0.5	1.1	2.7
00335	COD, .025N K2CR2O7	MG/L	10/21/75-02/08/77	17	4.	3.353	6.	0.5	3.336	1.827	0.5	2.	4.5	6.
00400	PH (STANDARD UNITS)		10/21/75-02/08/77	17	6.5	6.453	7.6	5.3	0.52	0.721	5.38	5.8	7.05	7.44
00400	CONVERTED PH (STANDARD UNITS)		10/21/75-02/08/77	17	6.5	5.967	7.6	5.3	0.771	0.878	5.38	5.8	7.05	7.44
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/21/75-02/08/77	17	0.316	1.078	5.012	0.025	2.365	1.538	0.037	0.094	1.585	4.187
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		10/21/75-02/08/77	17	6.	8.941	20.	4.	28.309	5.321	4.8	5.	11.	20.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		10/21/75-02/08/77	17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/21/75-02/08/77	17	1.	1.765	7.	0.5	3.191	1.786	0.5	0.5	3.	4.6
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)		10/21/75-02/08/77	17	0.07	0.091	0.3	0.005	0.006	0.08	0.009	0.03	0.13	0.244
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		10/21/75-02/08/77	17	0.02	0.029	0.09	0.005	0.001	0.025	0.009	0.01	0.04	0.074
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/21/75-02/08/77	17	0.39	0.392	0.87	0.22	0.024	0.153	0.228	0.29	0.46	0.59
00665	PHOSPHORUS, TOTAL (MG/L AS P)		10/21/75-02/08/77	17	0.01	0.017	0.05	0.005	0.	0.011	0.009	0.01	0.02	0.034
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)		10/21/75-02/08/77	17	0.01	0.012	0.03	0.005	0.	0.007	0.005	0.01	0.015	0.022
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		02/08/77-02/08/77	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)		10/21/75-02/08/77	17	3.	3.118	8.	2.	2.36	1.536	2.	2.	3.5	5.6
00927	MAGNESIUM, TOTAL (MG/L AS MG)		10/21/75-02/08/77	17	0.7	0.971	5.9	0.1	1.685	1.298	0.34	0.55	0.8	2.3
00929	SODIUM, TOTAL (MG/L AS NA)		10/21/75-02/08/77	17	1.3	1.571	3.4	1.	0.385	0.62	1.	1.2	1.85	2.68
00937	POTASSIUM, TOTAL MG/L AS K)		10/21/75-02/08/77	17	0.4	0.45	1.2	0.05	0.053	0.229	0.25	0.35	0.5	0.72
00940	CHLORIDE,TOTAL IN WATER	MG/L	10/21/75-02/08/77	17	2.	2.294	4.	1.	0.596	0.772	1.8	2.	2.5	4.
00945	SULFATE, TOTAL (MG/L AS SO4)		10/21/75-02/08/77	17	1.	1.324	4.	0.5	0.936	0.967	0.5	0.5	2.	2.4
00951	FLUORIDE, TOTAL (MG/L AS F)		10/21/75-02/08/77	17##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00955	SILICA, DISSOLVED (MG/L AS SI02)		10/21/75-02/08/77	17	6.6	6.494	8.8	3.2	1.546	1.243	4.64	6.	7.45	7.76
01002	ARSENIC, TOTAL (UG/L AS AS)		02/08/77-02/08/77	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)		02/08/77-02/08/77	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)		02/08/77-02/08/77	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)		02/08/77-02/08/77	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)		02/08/77-02/08/77	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)		02/08/77-02/08/77	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)		02/08/77-02/08/77	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)		10/21/75-02/08/77	17	150.	200.588	840.	25.	39765.257	199.412	25.	70.	230.	544.
01046	IRON, DISSOLVED (UG/L AS FE)		10/21/75-02/08/77	16##	25.	49.063	200.	25.	2947.396	54.29	25.	25.	25.	165.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0250

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051 LEAD, TOTAL (UG/L AS PB)	02/08/77-02/08/77	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	10/21/75-02/08/77	17	10.	31.176	220.	5.	2789.154	52.812	5.	5.	35.	100.
01056 MANGANESE, DISSOLVED (UG/L AS MN)	10/21/75-02/08/77	16##	5.	10.938	50.	5.	157.396	12.546	5.	5.	10.	36.
01067 NICKEL, TOTAL (UG/L AS NI)	02/08/77-02/08/77	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	02/08/77-02/08/77	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	02/08/77-02/08/77	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/08/77-02/08/77	1##	100.	100.	100.	100.	0.	0.	**	**	**	**
01132 LITHIUM, TOTAL (UG/L AS LI)	02/08/77-02/08/77	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	02/08/77-02/08/77	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01152 TITANIUM, TOTAL (UG/L AS TI)	02/08/77-02/08/77	1##	500.	500.	500.	500.	0.	0.	**	**	**	**
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	11/18/75-02/08/77	14	180.	317.143	1430.	5.	161337.363	401.668	5.	5.	510.	1075.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	11/18/75-02/08/77	14	2.244	1.958	3.155	0.699	0.823	0.907	0.699	0.699	2.702	3.006
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3		GEOMETRIC MEAN =		90.873								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/18/75-02/08/77	18	15.	83.889	400.	5.	13472.222	116.07	5.	5.	142.5	310.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/18/75-02/08/77	18	1.151	1.398	2.602	0.699	0.56	0.748	0.699	0.699	2.154	2.49
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		25.031								
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	10/21/75-02/08/77	17	10.	11.647	44.	7.	75.868	8.71	7.	7.5	12.	21.6
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/21/75-02/08/77	17	20.	23.529	40.	10.	74.265	8.618	10.	20.	30.	32.
71900 MERCURY, TOTAL (UG/L AS HG)	02/08/77-02/08/77	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: GRSM0250

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	17	0	0.00	10	0	0.00	7	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	19	0	0.00	10	0	0.00	9	0	0.00						
00400 PH	Other-Hi Lim.	9.	17	0	0.00	10	0	0.00	7	0	0.00						
	Other-Lo Lim.	6.5	17	9	0.53	10	8	0.80	7	1	0.14						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	10	0	0.00	7	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	17	0	0.00	10	0	0.00	7	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	17	0	0.00	10	0	0.00	7	0	0.00						
01002 ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00									
	Drinking Water	50.	1	0	0.00	1	0	0.00									
01007 BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00									
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
	Drinking Water	5.	1	0	0.00	1	0	0.00									
01034 CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01042 COPPER, TOTAL	Fresh Acute	18.	1	1	1.00	1	1	1.00									
	Drinking Water	1300.	1	0	0.00	1	0	0.00									
01051 LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
	Drinking Water	5.	0&	0	0.00												
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
	Drinking Water	100.	1	0	0.00	1	0	0.00									
01077 SILVER, TOTAL	Fresh Acute	4.1	0&	0	0.00												
	Drinking Water	50.	1	0	0.00	1	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00									
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
	Drinking Water	50.	1	0	0.00	1	0	0.00									
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED,	Other-Hi Lim.	1000.	14	1	0.07	7	0	0.00	7	1	0.14						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	18	2	0.11	11	0	0.00	7	2	0.29						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 10/01 to 3/31 - Station GRSM0250

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/21/75-06/01/94	12	6.55	6.4	9.8	0.2	8.947	2.991	0.89	4.675	9.35	9.8
00300 OXYGEN, DISSOLVED	MG/L	10/21/75-06/01/94	10	12.05	12.11	13.7	11.	0.868	0.931	11.01	11.175	12.675	13.68

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0250

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/21/75-06/01/94	10	17.7	16.29	19.4	9.8	10.937	3.307	10.08	12.75	18.7	19.36
00300 OXYGEN, DISSOLVED	MG/L	10/21/75-06/01/94	9	9.8	9.422	11.1	7.6	1.189	1.091	7.6	8.6	9.9	11.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: GRSM0251

NPS Station ID: GRSM0251 LAT/LON: 35.776948/ -83.405837 Agency: 112WRD Date Created: 01/25/77
Location: LITTLE PIGEON RIVER AT LAUREL, TN
Station Type: /TYPA/AMBNT/STREAM
FIPS State/County: 47155 TENNESSEE/SEVIER
STORET Station ID(s): 03469122
RMI-Indexes:
RMI-Miles:
HUC: 06010107 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010107020 RF1 Mile Point: 6.410 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010107002804.97 RF3 Mile Point: 5.64 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0251

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/21/75-09/07/76	15	9.8	12.433	19.4	2.5	35.607	5.967	3.64	7.2	18.1	19.16
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/21/75-06/07/76	10	69.5	67.4	100.	34.	616.044	24.82	34.8	42.	90.25	99.1
00070 TURBIDITY, (JACKSON CANDLE UNITS)		10/21/75-09/07/76	13	1.2	1.562	3.5	0.5	1.298	1.139	0.5	0.5	2.6	3.38
00080 COLOR (PLATINUM-COBALT UNITS)		10/21/75-09/07/76	13	2.	2.769	9.	1.	7.692	2.774	1.	1.	3.5	8.6
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/21/75-09/07/76	13	26.	26.615	33.	21.	16.256	4.032	21.4	23.	31.	32.6
00300 OXYGEN, DISSOLVED	MG/L	10/21/75-09/07/76	13	11.	10.792	13.5	9.4	1.509	1.228	9.44	9.8	11.55	12.98
00310 BOD, 5 DAY, 20 DEG C	MG/L	11/18/75-09/07/76	14##	0.5	1.043	2.8	0.5	0.66	0.812	0.5	0.5	1.375	2.75
00335 COD, .025N K2CR207	MG/L	10/21/75-09/07/76	13	4.	3.231	6.	0.5	3.651	1.911	0.5	1.5	4.5	6.
00400 PH (STANDARD UNITS)		10/21/75-09/07/76	13	6.5	6.438	7.6	5.3	0.648	0.805	5.34	5.65	7.2	7.52
00400 CONVERTED PH (STANDARD UNITS)		10/21/75-09/07/76	13	6.5	5.895	7.6	5.3	0.967	0.984	5.34	5.65	7.2	7.52
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/21/75-09/07/76	13	0.316	1.273	5.012	0.025	2.937	1.714	0.031	0.063	2.374	4.6
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		10/21/75-09/07/76	13	7.	9.846	20.	5.	32.808	5.728	5.	5.	14.5	20.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/21/75-09/07/76	13##	0.5	1.962	7.	0.5	3.978	1.994	0.5	0.5	3.	5.8
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)		10/21/75-09/07/76	13	0.08	0.102	0.3	0.005	0.008	0.088	0.007	0.03	0.15	0.272
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		10/21/75-09/07/76	13	0.03	0.034	0.09	0.005	0.001	0.027	0.007	0.01	0.055	0.082
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/21/75-09/07/76	13	0.39	0.415	0.87	0.23	0.026	0.163	0.23	0.325	0.48	0.73
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/21/75-09/07/76	13	0.02	0.016	0.03	0.005	0.	0.007	0.007	0.01	0.02	0.026
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)		10/21/75-09/07/76	13	0.01	0.011	0.02	0.005	0.	0.005	0.005	0.008	0.015	0.02
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/21/75-09/07/76	13	10.	11.923	44.	7.	97.244	9.861	7.	7.	11.5	31.6
00916 CALCIUM, TOTAL (MG/L AS CA)		10/21/75-09/07/76	13	3.	3.154	8.	2.	2.641	1.625	2.	2.	3.5	6.4
00927 MAGNESIUM, TOTAL (MG/L AS MG)		10/21/75-09/07/76	13	0.6	1.023	5.9	0.1	2.232	1.494	0.22	0.45	0.7	4.1
00929 SODIUM, TOTAL (MG/L AS NA)		10/21/75-09/07/76	13	1.3	1.569	3.4	1.	0.402	0.634	1.04	1.2	1.85	2.84
00937 POTASSIUM, TOTAL MG/L AS K)		10/21/75-09/07/76	13	0.4	0.5	1.2	0.3	0.05	0.224	0.34	0.4	0.5	0.96
00940 CHLORIDE,TOTAL IN WATER	MG/L	10/21/75-09/07/76	13	2.	2.308	4.	2.	0.397	0.63	2.	2.	2.5	3.6
00945 SULFATE, TOTAL (MG/L AS SO4)		10/21/75-09/07/76	13##	0.5	1.115	4.	0.5	1.173	1.083	0.5	0.5	2.	3.2
00951 FLUORIDE, TOTAL (MG/L AS F)		10/21/75-09/07/76	13##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00955 SILICA, DISSOLVED (MG/L AS SI02)		10/21/75-09/07/76	13	6.5	6.385	7.5	3.2	1.401	1.184	4.04	6.	7.45	7.5
01045 IRON, TOTAL (UG/L AS FE)		11/18/75-09/07/76	12	190.	225.833	840.	25.	54021.97	232.426	25.	55.	287.5	729.
01046 IRON, DISSOLVED (UG/L AS FE)		11/18/75-09/07/76	11##	25.	44.091	150.	25.	1884.091	43.406	25.	25.	25.	142.
01055 MANGANESE, TOTAL (UG/L AS MN)		10/21/75-09/07/76	12##	12.5	39.167	220.	5.	3812.879	61.749	5.	5.	57.5	175.
01056 MANGANESE, DISSOLVED (UG/L AS MN)		10/21/75-09/07/76	11##	5.	6.364	20.	5.	20.455	4.523	5.	5.	5.	17.
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C		11/18/75-09/07/76	12	180.	336.667	1430.	5.	185142.424	430.282	5.	5.	610.	1217.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED.		11/18/75-09/07/76	12	2.244	1.917	3.155	0.699	0.944	0.971	0.699	0.699	2.78	3.066
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3				GEOMETRIC MEAN =	82.697								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/18/75-09/07/76	13	30.	105.769	400.	5.	16649.359	129.032	5.	5.	165.	360.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		11/18/75-09/07/76	13	1.477	1.521	2.602	0.699	0.624	0.79	0.699	0.699	2.216	2.552
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	33.2								
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L		10/21/75-09/07/76	13	20.	23.077	30.	10.	56.41	7.511	10.	20.	30.	30.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0251

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70302 SOLIDS, DISSOLVED-TONS PER DAY	10/21/75-06/07/76	10	4.29	3.746	4.91	1.13	1.515	1.231	1.287	2.738	4.658	4.905
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/21/75-09/07/76	13	0.03	0.032	0.04	0.01	0.	0.011	0.01	0.03	0.04	0.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0251

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	13	0	0.00	6	0	0.00	7	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	13	0	0.00	6	0	0.00	7	0	0.00						
00400 PH	Other-Hi Lim.	9.	13	0	0.00	6	0	0.00	7	0	0.00						
	Other-Lo Lim.	6.5	13	7	0.54	6	6	1.00	7	1	0.14						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	6	0	0.00	7	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	0	0.00	6	0	0.00	7	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	13	0	0.00	6	0	0.00	7	0	0.00						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	12	1	0.08	5	0	0.00	7	1	0.14						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	13	2	0.15	6	0	0.00	7	2	0.29						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0252

NPS Station ID: GRSM0252 LAT/LON: 35.781670/ -83.216948 Agency: 112WRD Date Created: 12/22/84
Location: CRYING CREEK ABOVE COSBY, TN FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 034611996
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106008 RF1 Mile Point: 2.560 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106000804.41 RF3 Mile Point: 5.08 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0252

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/18/83-09/26/85	6	15.5	14.167	18.5	6.	21.067	4.59	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/18/83-09/26/85	6	1.	1.617	4.	0.7	1.562	1.25	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/18/83-09/26/85	5	17.	17.2	21.	13.	11.2	3.347	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exists to compare against the data at this station. **********

Station Inventory for Station: GRSM0253

NPS Station ID: GRSM0253 LAT/LON: 35.782503/ -83.110559 Agency: 1113S000 Date Created: / /
Location: PIGEON R AT CO HWY NR WATERVILLE FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 471040 /PR-PI-1
RMI-Indexes: 1021500 007720 00920 9300 2520
RMI-Miles: 0953.80 0046.50 652.10 073.80 025.00
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER BASIN ECO Region:
RF1 Index: 06010106009 RF1 Mile Point: 11.760 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106000900.00 RF3 Mile Point: 0.06 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0253

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/05/73-06/08/73	4	18.	18.75	21.	18.	2.25	1.5	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	06/05/73-06/08/73	4	25.	23.75	40.	5.	206.25	14.361	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/05/73-06/08/73	4	125.	114.	156.	50.	2100.667	45.833	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	06/05/73-06/08/73	4	8.55	8.6	8.9	8.4	0.047	0.216	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/05/73-06/08/73	4	2.55	2.575	3.	2.2	0.123	0.35	**	**	**	**
00400 PH (STANDARD UNITS)	06/05/73-06/08/73	4	6.8	6.75	6.9	6.5	0.03	0.173	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/05/73-06/08/73	4	6.8	6.722	6.9	6.5	0.031	0.176	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/05/73-06/08/73	4	0.158	0.19	0.316	0.126	0.007	0.086	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	06/05/73-06/08/73	4	23.	22.25	29.	14.	38.917	6.238	**	**	**	**
00435 ACIDITY, TOTAL (MG/L AS CACO3)	06/05/73-06/08/73	4	4.	3.5	4.	2.	1.	1.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/05/73-06/08/73	4	116.5	121.	150.	101.	531.333	23.051	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/05/73-06/08/73	4	100.	105.75	134.	89.	405.583	20.139	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/05/73-06/08/73	4	14.	15.25	23.	10.	32.917	5.737	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/05/73-06/08/73	4	0.1	0.11	0.15	0.09	0.001	0.028	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/05/73-06/08/73	4	0.495	0.627	1.2	0.32	0.153	0.391	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET, (MG/L AS N)	06/05/73-06/08/73	4	0.36	0.335	0.37	0.25	0.003	0.057	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/05/73-06/08/73	4	0.055	0.055	0.08	0.03	0.	0.021	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	06/05/73-06/08/73	4	4.	4.5	6.	4.	1.	1.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	06/05/73-06/08/73	4	11.5	11.	13.	8.	4.667	2.16	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	06/06/73-06/08/73	3##	25.	21.667	25.	15.	33.333	5.774	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	06/05/73-06/08/73	4##	25.	30.	55.	15.	300.	17.321	**	**	**	**
01040 COPPER, DISSOLVED (UG/L AS CU)	06/06/73-06/08/73	3	5.	6.667	13.	2.	32.333	5.686	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	06/05/73-06/08/73	4	10.	9.75	13.	6.	14.25	3.775	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	06/05/73-06/08/73	4	1120.	1060.	1170.	830.	25733.333	160.416	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	06/06/73-06/08/73	3	90.	100.	120.	90.	300.	17.321	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	06/05/73-06/08/73	4	90.	82.5	100.	50.	558.333	23.629	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	06/06/73-06/08/73	3	60.	60.	60.	60.	0.	0.	**	**	**	**
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	06/05/73-06/08/73	4	1500.	1605.	3000.	420.	1150766.667	1072.738	**	**	**	**
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	06/05/73-06/08/73	4	3.172	3.111	3.477	2.623	0.129	0.359	**	**	**	**
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3			GEOMETRIC MEAN =	1291.786								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/05/73-06/08/73	4	240.	242.5	350.	140.	7425.	86.168	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/05/73-06/08/73	4	2.38	2.362	2.544	2.146	0.027	0.164	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	230.391								
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	06/05/73-06/08/73	4	24.	27.125	58.	2.5	559.063	23.645	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0253

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	4	0	0.00				4	0	0.00						
00400 PH	Other-Hi Lim.	9.	4	0	0.00				4	0	0.00						
	Other-Lo Lim.	6.5	4	1	0.25				4	1	0.25						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	4	0	0.00				4	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	4	0	0.00				4	0	0.00						
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	3	0	0.00				3	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	4	0	0.00				4	0	0.00						
01040 COPPER, DISSOLVED	Fresh Acute	18.	3	0	0.00				3	0	0.00						
	Drinking Water	1300.	3	0	0.00				3	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	4	0	0.00				4	0	0.00						
	Drinking Water	1300.	4	0	0.00				4	0	0.00						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	4	3	0.75				4	3	0.75						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	4	3	0.75				4	3	0.75						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0254

NPS Station ID: GRSM0254 LAT/LON: 35.782781/ -83.217504 Agency: 112WRD Date Created: 01/25/77
Location: COSBY CREEK ABOVE COSBY, TN FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 03461200
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106008 RF1 Mile Point: 2.410 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106000303.32 RF3 Mile Point: 3.31 Distance from RF3: 0.01 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0254

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/07/75-09/11/85	68	10.5	10.912	22.	0.5	28.738	5.361	3.5	6.125	15.75	18.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/07/75-09/11/85	68	18.	19.294	52.	3.	166.061	12.886	4.	8.	26.75	40.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		12/19/75-12/29/81	48	18.	18.875	40.	11.	27.133	5.209	14.9	16.	20.75	23.2
00660 PHOSPHATE, ORTHO (MG/L AS PO4)		12/19/79-12/19/79	1	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		12/19/79-12/19/79	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		12/19/79-12/19/79	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exists to compare against the data at this station. **********

Seasonal Analysis for Season #1: 10/01 to 3/31 - Station GRSM0254

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/07/75-09/11/85	38	7.	7.5	17.5	0.5	16.081	4.01	2.9	3.875	10.	14.
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/07/75-09/11/85	38	19.	18.526	46.	3.	142.634	11.943	4.	6.	26.5	34.6
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		12/19/75-12/29/81	26	18.	18.192	25.	11.	9.762	3.124	14.8	16.	21.	22.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0254

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/07/75-09/11/85	30	16.	15.233	22.	10.	11.306	3.362	10.05	12.	18.	18.95
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/07/75-09/11/85	30	17.5	20.267	52.	4.	199.926	14.14	5.1	8.	28.5	43.9
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		12/19/75-12/29/81	22	17.5	19.682	40.	12.	47.846	6.917	14.3	16.	20.5	34.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: GRSM0255

NPS Station ID: GRSM0255 LAT/LON: 35.782781/ -83.217504 Agency: 12NSS Date Created: 10/22/88
Location: COSBY CREEK FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 2A07805U /2AS2A07805U
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 500 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 3.20 On/Off RF1:
RF3 Index: 06010106012900.00 RF3 Mile Point: 0.29 Distance from RF3: 0.08 On/Off RF3:
Description:

THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN:

Parameter Inventory for Station: GRSM0255

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/07/85-07/07/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	07/07/85-07/07/85	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/07/85-07/07/85	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/07/85-07/07/85	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE MG/L	07/07/85-07/07/85	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/07/85-07/07/85	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/07/85-07/07/85	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/07/85-07/07/85	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	07/07/85-07/07/85	1	112.6	112.6	112.6	112.6	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/07/85-07/07/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/07/85-07/07/85	1	0.017	0.017	0.017	0.017	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	07/07/85-07/07/85	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	07/07/85-07/07/85	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/07/85-07/07/85	1	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/07/85-07/07/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/07/85-07/07/85	1	1.28	1.28	1.28	1.28	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/07/85-07/07/85	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	07/07/85-07/07/85	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/07/85-07/07/85	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/07/85-07/07/85	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)	07/07/85-07/07/85	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/07/85-07/07/85	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	07/07/85-07/07/85	1	47.	47.	47.	47.	0.	0.	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	07/07/85-07/07/85	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	07/07/85-07/07/85	1	7.99	7.99	7.99	7.99	0.	0.	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	07/07/85-07/07/85	1	1640.	1640.	1640.	1640.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	07/07/85-07/07/85	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	07/07/85-07/07/85	1	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0255

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	1	0	0.00				1	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	1	0	0.00				1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	1	1	1.00				1	1	1.00						
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	1	0	0.00				1	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	1	0	0.00				1	0	0.00						
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0256

NPS Station ID: GRSM0256 LAT/LON: 35.785281/ -83.113060 Agency: 21NC01WQ Date Created: / /
Location: PIGEON RIVER AT WATERVILLE NC
FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/FISH/STREAM/SOLIDS
STORET Station ID(s): E6500000 /FRB050 /040305012 /03460766
RMI-Indexes:
RMI-Miles:
HUC: 03040103 Depth of Water: 1 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD ECO Region:
RF1 Index: 03040103 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010106001303.98 RF3 Mile Point: 4.51 Distance from RF3: 0.02 On/Off RF3:
Description:

UPIGEON RIVER AT WATERVILLE NC. BELOW CAROLINA POWER & LIGHT HYDRO STA. LOCATION: FROM JCT OF US 19 & NC 284 AT DELLWOOD, TRAVEL N ON NC 284 TO COVE CREEK, FROM COVE CREEK TRAVEL N ON I-40 TO NC-TENN STATE LINE. LEAVE I-40 AT EXIT BELOW WATERVILLE POWER STA. & TRAVEL TO BRIDGE OVER PIGEON RIVER. LOCATED TO DEFINE QUALITY OF WATER ENTERING TENN FROM NC.

Parameter Inventory for Station: GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	02/24/83-12/05/94	56	150.	119.196	150.	10.	2522.524	50.225	38.5	52.5	150.	150.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	250	14.	14.082	25.	2.	36.791	6.066	6.	9.	19.	22.
00060	FLOW, STREAM, MEAN DAILY CFS	10/18/73-05/20/75	24	2240.	2038.667	3900.	42.	2058853.71	1434.871	57.5	229.75	3450.	3700.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	102	1640.	1612.566	8000.	0.7	1945673.585	1394.874	52.6	152.25	2355.	3349.
00064	DEPTH OF STREAM, MEAN (FT)	02/24/83-12/05/94	56	3.	2.83	3.	0.5	0.312	0.558	2.35	3.	3.	3.
00065	STAGE, STREAM (FEET)	06/14/73-10/21/92	136	3.32	41.593	4331.	0.02	137526.901	370.846	0.41	2.16	4.145	40.859
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	183	5.	11.474	380.	0.5	938.095	30.628	1.5	2.5	10.	23.
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/05/74-12/05/74	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/16/68-12/05/94	88	44.5	56.057	240.	3.	2017.043	44.911	12.	21.25	78.75	128.2
00082	COLOR,SPECTROPHOTO,WATER SMPL AT7.6PH ADMI UNITS	11/12/86-12/05/94	43	49.	56.349	310.	3.	2935.566	54.181	14.8	22.	66.	103.6
00083	COLOR,SPECTROPHTOMETRIC,FIL,WATER SPL ADMI UNITS	11/12/86-12/05/94	45	40.	54.822	300.	2.	2693.195	51.896	14.6	23.5	66.	98.6
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	114	180.	252.886	978.	24.	43867.518	209.446	54.	90.	351.75	598.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/04/74-12/14/89	75	150.	214.827	1000.	17.	38147.956	195.315	39.2	50.	290.	535.
00300p	OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	247	9.1	9.145	13.1	5.6	2.38	1.543	7.1	8.1	10.2	11.2
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	113	89.	86.858	111.	48.	116.998	10.817	70.	80.	95.	98.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	210	1.3	1.674	24.	0.05	4.459	2.112	0.6	0.9	1.725	2.5
00335	COD, .025N K2CR2O7 MG/L	10/18/73-12/11/84	50	20.	22.5	86.	2.5	298.224	17.269	5.	10.25	33.25	46.4
00340	COD, .25N K2CR2O7 MG/L	10/18/68-08/04/81	100	20.	24.205	110.	5.	301.49	17.363	10.	12.5	31.5	42.9
00400p	PH (STANDARD UNITS)	09/09/71-12/05/94	233	7.1	7.042	7.8	6.	0.111	0.333	6.64	6.9	7.2	7.4
00400p	CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	233	7.1	6.89	7.8	6.	0.134	0.366	6.64	6.9	7.2	7.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	233	0.079	0.129	1.	0.016	0.022	0.147	0.04	0.063	0.126	0.231
00403	PH, LAB, STANDARD UNITS SU	11/28/79-06/26/91	95	7.1	7.123	7.7	6.7	0.033	0.181	6.9	7.	7.3	7.34
00403	CONVERTED PH, LAB, STANDARD UNITS	11/28/79-06/26/91	95	7.1	7.087	7.7	6.7	0.034	0.185	6.9	7.	7.3	7.34
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-06/26/91	95	0.079	0.082	0.2	0.02	0.001	0.033	0.046	0.05	0.1	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	202	23.	26.198	80.	4.	215.632	14.684	10.	15.	34.	48.7
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	91	0.	0.484	44.	0.	21.275	4.612	0.	0.	0.	0.
00431	ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	106	25.	28.151	76.	5.	266.377	16.321	10.	15.	41.	52.2
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	06/10/74-08/20/80	2	38.	38.	49.	27.	242.	15.556	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	141	170.	217.333	779.	34.	25579.595	159.936	51.4	94.	289.	430.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/06/80-01/25/85	52	55.	61.096	219.	6.	1784.324	42.241	20.	31.75	75.5	116.1
00510	RESIDUE, TOTAL FIXED (MG/L)	08/06/80-01/25/85	52	119.	175.885	589.	22.	24369.633	156.108	27.2	66.75	267.5	440.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	177	6.	10.432	319.	0.5	784.413	28.007	1.	3.	10.	17.2
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/06/80-01/25/85	52	4.	5.712	66.	0.5	94.994	9.746	0.5	2.	5.	8.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	08/06/80-01/25/85	52	1.5	11.538	253.	0.5	1637.734	40.469	0.5	0.5	5.75	15.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	144	0.08	0.174	11.	0.01	0.833	0.913	0.025	0.05	0.12	0.19
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	149	0.3	0.354	1.3	0.05	0.043	0.208	0.14	0.2	0.4	0.6
00630p NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	148	0.44	0.48	2.1	0.05	0.055	0.234	0.249	0.36	0.55	0.755
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	10/25/73-12/04/75	7##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00665p PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	147	0.09	0.113	0.54	0.02	0.007	0.084	0.029	0.06	0.13	0.222
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	06/19/79-12/15/80	7	12.	12.571	31.	5.	87.619	9.361	**	**	**	**
00745 SULFIDE, TOTAL (MG/L AS S)	10/18/68-05/17/73	2##	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	72	34.5	43.986	140.	8.	1040.38	32.255	14.	20.	61.25	96.1
00916 CALCIUM, TOTAL (MG/L AS CA)	05/20/77-11/09/77	2	12.5	12.5	19.	6.	84.5	9.192	**	**	**	**
00924 MAGNESIUM IN BOTTOM DEPOS. (MG/KG AS MG DRY WGT)	02/23/82-08/15/85	2	5150.	5150.	7600.	2700.	12005000.	3464.823	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	05/20/77-05/20/77	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00929 SODIUM, TOTAL (MG/L AS NA)	05/20/77-05/20/77	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/18/68-05/17/73	2	24.5	24.5	35.	14.	220.5	14.849	**	**	**	**
01000 ARSENIC, DISSOLVED (UG/L AS AS)	10/25/73-10/25/73	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	09/09/71-12/05/94	108##	5.	7.269	80.	5.	76.348	8.738	5.	5.	5.	10.
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/26/81-08/15/85	5##	1.1	1.062	1.15	0.96	0.006	0.079	**	**	**	**
01004 ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	02/23/82-02/23/82	2##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)	10/25/73-10/25/73	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	02/04/74-12/05/94	103##	1.	9.204	25.	1.	107.38	10.362	1.	1.	25.	25.
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/26/81-08/15/85	5##	0.25	0.22	0.4	0.1	0.016	0.125	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/26/81-08/15/85	5	12.	10.6	15.	6.1	12.705	3.564	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	10/25/73-12/05/94	104##	12.5	17.332	25.	0.025	42.621	6.528	12.5	12.5	25.	25.
01036 COBALT, SUSPENDED (UG/L AS CO)	10/25/73-10/25/73	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01037 COBALT, TOTAL (UG/L AS CO)	02/04/74-09/17/81	25##	50.	52.	100.	50.	100.	10.	50.	50.	50.	50.
01040 COPPER, DISSOLVED (UG/L AS CU)	10/25/73-10/25/73	1##	20.	20.	20.	20.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	02/04/74-12/05/94	103##	5.	47.748	3900.	1.	147051.524	383.473	1.	2.	20.	20.
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/26/81-08/15/85	5	12.	11.92	13.	9.6	1.932	1.39	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	10/25/73-12/05/94	64	300.	501.203	6800.	25.	724818.196	851.363	96.	200.	590.	850.
01051 LEAD, TOTAL (UG/L AS PB)	02/04/74-12/05/94	103##	21.	29.233	400.	5.	1858.514	43.11	5.	5.	50.	50.
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/26/81-08/15/85	5	20.	20.8	27.	17.	14.2	3.768	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	02/04/74-10/25/93	41	60.	86.854	310.	5.	5309.328	72.865	18.4	26.5	125.	190.
01056 MANGANESE, DISSOLVED (UG/L AS MN)	10/25/73-10/25/73	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	05/26/76-12/05/94	82##	5.	24.134	400.	5.	2122.216	46.068	5.	5.	50.	50.
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	02/23/82-08/15/85	4	10.7	12.175	19.	8.3	23.109	4.807	**	**	**	**
01069 NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	02/23/82-08/28/84	6##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	10/25/73-10/25/73	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	02/04/74-12/05/94	103##	5.	112.447	10000.	4.	968605.014	984.177	5.	5.	25.	25.
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	02/23/82-08/15/85	4	82.5	81.	91.	68.	91.333	9.557	**	**	**	**
01099 ANTIMONY,TISSUE,WET WEIGHT,MG/KG	10/25/73-10/25/73	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	08/29/83-12/05/94	46	150.	228.391	1100.	25.	60283.71	245.527	25.	79.25	280.	552.
01108 ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	02/23/82-08/15/85	2	9800.	9800.	11000.	8600.	2880000.	1697.056	**	**	**	**
31504 COLIFORM,TOT,MEMBR FILTER,IMMED,LES ENDO AGAR,35C	07/02/68-06/03/70	5	240000.	251240.	660000.	6200.	70232688000.	265014.505	**	**	**	**
31504 LOG COLIFORM,TOT,MEMBR FILTER,IMMED,LES ENDO AGAR,	07/02/68-06/03/70	5	5.38	4.995	5.82	3.792	0.701	0.837	**	**	**	**
31504 GM COLIFORM,TOT,MEMBR FILTER,IMMED,LES ENDO AGAR,3			GEOMETRIC MEAN =	98828.822								
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	241	110.	610.959	36000.	0.5	6592153.586	2567.519	5.	20.	450.	1000.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	241	2.041	1.989	4.556	-0.301	0.761	0.872	0.699	1.301	2.653	3.
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	97.409								
32730 PHENOLICS, TOTAL, RECOVERABLE (UG/L)	10/18/68-05/17/73	2##	0.005	0.005	0.008	0.003	0.	0.004	**	**	**	**
34680 ALDRIN IN FISH TISSUE WET WEIGHT MG/KG	02/23/82-02/23/82	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34684 DIELDRIN TISMG/KG	02/23/82-02/23/82	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
34685 ENDRIN WET WGTTISMG/KG	02/23/82-02/23/82	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
34688 HEXACHLOROBENZENE WET WGTTISMG/KG	02/23/82-02/23/82	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
38260 METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	05/16/68-11/14/73	30	0.1	0.112	0.4	0.05	0.008	0.089	0.05	0.05	0.1	0.29
39060 PCP (PENTACHLOROPHENOL) IN TISSUE WET WGT UG/G	02/23/82-02/23/82	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
39061 PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/26/81-02/23/82	2##	1000.	1000.	1000.	1000.	0.	0.	**	**	**	**
39063 CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	02/23/82-02/23/82	1##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39064 CHLORDANE-CIS ISOMER BOTTOM DEPOS (UG/KG DRY SOL	06/26/81-02/23/82	2##	30.	30.	30.	30.	0.	0.	**	**	**	**
39066 CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	02/23/82-02/23/82	1##	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39067 CHLORDANE-TRANS ISOMER,BOTTOM DEPOS(UG/KG DRY SL	06/26/81-02/23/82	2##	30.	30.	30.	30.	0.	0.	**	**	**	**
39072 CHLORDANE-NONACHLOR,TRANS ISO,TISSUE,WET WT,UG/G	02/23/82-02/23/82	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39073 CHLORDANE-NONACHLOR,TRANS ISO,BOTTOM DEP UG/KG	06/26/81-02/23/82	2##	10.	10.	10.	10.	0.	0.	**	**	**	**
39074 BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	02/23/82-02/23/82	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39075 BHC- GAMMA ISOMER, TISSUE WET WGT (UG/G)	02/23/82-02/23/82	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39076 BHC-ALPHA ISOMER, BOTTOM DEPOS (UG/KG DRY SOL)	06/26/81-02/23/82	2##	5.	5.	5.	5.	0.	0.	**	**	**	**
39290 DDT TOTAL IN TISSUE WET WGT BASIS (UG/G)	02/23/82-02/23/82	1##	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
39301 P,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/81-02/23/82	2##	35.	35.	35.	35.	0.	0.	**	**	**	**
39302 P P DDT IN TISSUE WET WGT (UG/G)	02/23/82-02/23/82	1##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
39306 O,P' DDT IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/81-02/23/82	2##	10.	10.	10.	10.	0.	0.	**	**	**	**
39311 P,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/81-02/23/82	2##	20.	20.	20.	20.	0.	0.	**	**	**	**
39312 P P DDD IN TISSUE WET WGT (UG/G)	02/23/82-02/23/82	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
39316 O,P' DDD IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/81-02/23/82	2##	10.	10.	10.	10.	0.	0.	**	**	**	**
39318 O,P' DDT IN FISH OR ANIMAL BY WET WEIGHT UG/KG	02/23/82-02/23/82	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39321 P,P' DDE IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/81-02/23/82	2##	10.	10.	10.	10.	0.	0.	**	**	**	**
39322 P,P'-DDE IN TISSUE WET WGT MG/KG	02/23/82-02/23/82	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39325 O,P DDD IN TISSUE WET WGT (UG/G)	02/23/82-02/23/82	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39328 O,P'DDE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	06/26/81-02/23/82	2##	10.	10.	10.	10.	0.	0.	**	**	**	**
39329 O,P DDE IN TISSUE, WET WGT(UG/G)	02/23/82-02/23/82	1##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/81-02/23/82	2##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/81-02/23/82	2##	45.	45.	45.	45.	0.	0.	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/26/81-02/23/82	2##	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/26/81-02/23/82	2##	20.	20.	20.	20.	0.	0.	**	**	**	**
39481 METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	06/26/81-02/23/82	2##	40.	40.	40.	40.	0.	0.	**	**	**	**
39482 METHOXYCHLOR IN FISH - UG/KG	02/23/82-02/23/82	1##	40.	40.	40.	40.	0.	0.	**	**	**	**
39515 PCBS (MG/KG) FISH TISSUE MG/KG	02/23/82-02/23/82	1##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
39519 PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	06/26/81-02/23/82	2##	200.	200.	200.	200.	0.	0.	**	**	**	**
39701 HEXACHLOROBENZENE IN BOT DEPOS (UG/KG DRY SOLIDS)	06/26/81-02/23/82	2##	5.	5.	5.	5.	0.	0.	**	**	**	**
70305 SALINITY BASED ON CONDUCTIVITY	03/11/74-02/09/77	10	0.	0.104	0.9	0.	0.079	0.282	0.	0.	0.055	0.82
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/77-09/19/91	87	0.06	0.079	0.27	0.01	0.004	0.067	0.02	0.025	0.11	0.18
71876 SOAPS, RESIN ACID (MG/L)	04/06/72-04/06/72	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	07/09/70-12/05/94	107##	0.1	0.185	1.7	0.1	0.047	0.218	0.1	0.1	0.25	0.25
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/26/81-08/15/85	5	0.04	0.056	0.1	0.01	0.002	0.042	**	**	**	**
71930 MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	02/23/82-08/28/84	6	0.045	0.037	0.05	0.01	0.	0.018	**	**	**	**
71936 LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	02/23/82-08/28/84	6##	0.5	0.75	2.	0.5	0.375	0.612	**	**	**	**
71937 COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	02/23/82-08/28/84	6	0.41	0.462	0.77	0.2	0.044	0.211	**	**	**	**
71938 ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	02/23/82-08/28/84	6	12.	21.467	69.	6.8	558.667	23.636	**	**	**	**
71939 CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	02/23/82-08/28/84	6##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71940 CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	02/23/82-08/28/84	6##	0.1	0.15	0.25	0.1	0.006	0.077	**	**	**	**
72034 FLOW, INSTANTANEOUS SPILLWAY DISCHARGE CFS	08/24/84-08/24/84	1	74.	74.	74.	74.	0.	0.	**	**	**	**
81647 REFERENCE POINT READING(LINEAR FEET)	10/23/78-10/21/92	96	40.925	51.787	1030.	37.45	10180.92	100.901	39.975	40.46	43.168	43.808
81656 MAGNESIUM IN FISH TISSUE WET WEIGHT MG/KG	02/23/82-02/23/82	2	320.	320.	330.	310.	200.	14.142	**	**	**	**
81666 ALUMINUM IN FISH TISSUE WET WEIGHT MG/KG	02/23/82-02/23/82	2	76.5	76.5	140.	13.	8064.5	89.803	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0256

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	183	4	0.02	88	3	0.03	95	1	0.01						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	247	0	0.00	119	0	0.00	128	0	0.00						
00400 PH	Other-Hi Lim.	9.	233	0	0.00	109	0	0.00	124	0	0.00						
	Other-Lo Lim.	6.5	233	22	0.09	109	13	0.12	124	9	0.07						
00403 PH, LAB	Other-Hi Lim.	9.	95	0	0.00	47	0	0.00	48	0	0.00						
	Other-Lo Lim.	6.5	95	0	0.00	47	0	0.00	48	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	148	0	0.00	72	0	0.00	76	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	2	0	0.00	1	0	0.00	1	0	0.00						
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
	Drinking Water	50.	1	0	0.00	1	0	0.00									
01002 ARSENIC, TOTAL	Fresh Acute	360.	108	0	0.00	52	0	0.00	56	0	0.00						
	Drinking Water	50.	108	1	0.01	52	0	0.00	56	1	0.02						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

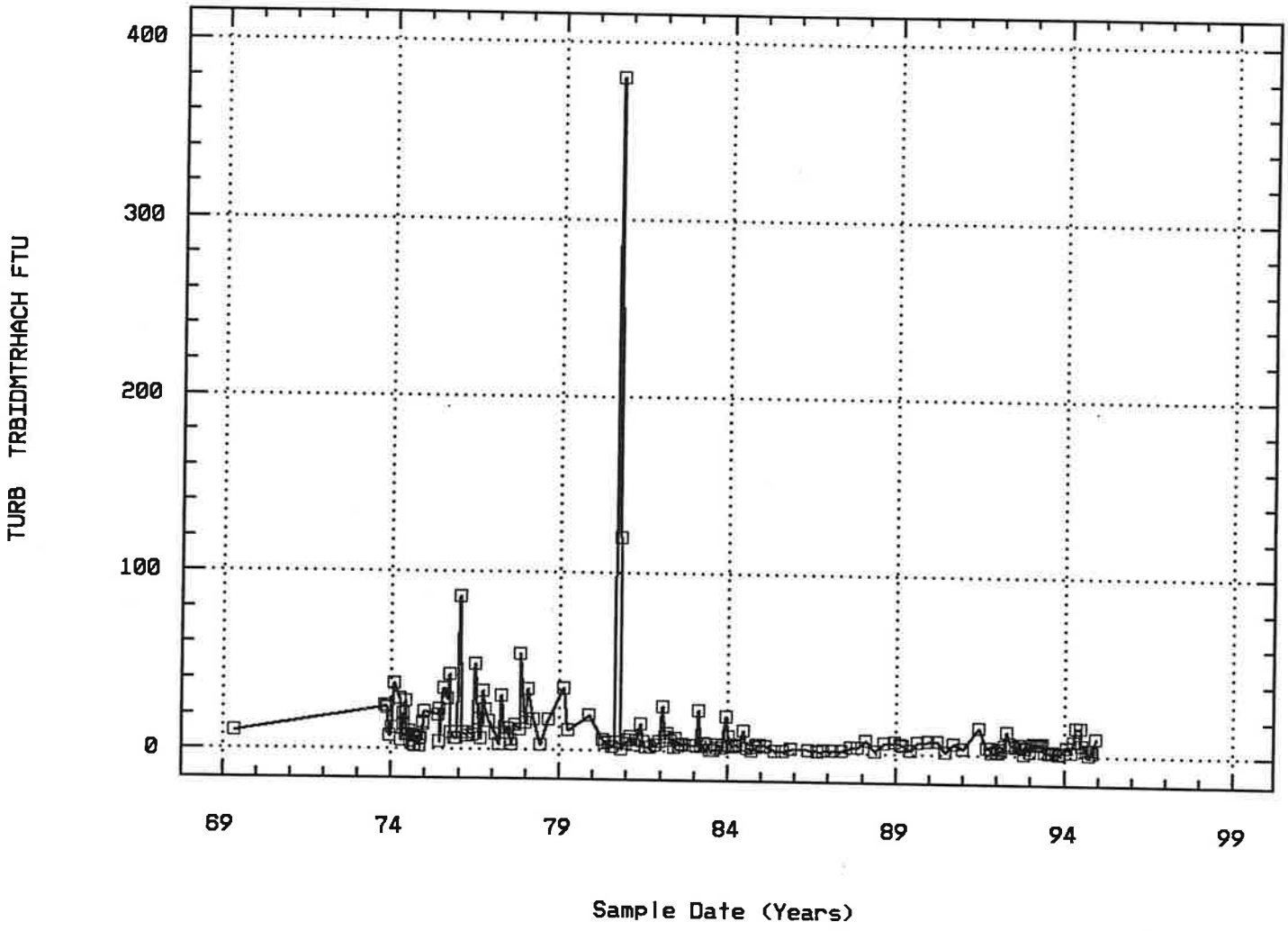
EPA Water Quality Criteria Analysis for Station: GRSM0256

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	0&	0	0.00												
	Drinking Water	5.	0&	0	0.00												
01027 CADMIUM, TOTAL	Fresh Acute	3.9	53&	0	0.00	27	0	0.00	26	0	0.00						
	Drinking Water	5.	53&	0	0.00	27	0	0.00	26	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	104	0	0.00	53	0	0.00	51	0	0.00						
01040 COPPER, DISSOLVED	Fresh Acute	18.	0&	0	0.00												
	Drinking Water	1300.	1	0	0.00	1	0	0.00									
01042 COPPER, TOTAL	Fresh Acute	18.	78&	4	0.05	40	2	0.05	38	2	0.05						
	Drinking Water	1300.	103	1	0.01	52	0	0.00	51	1	0.02						
01051 LEAD, TOTAL	Fresh Acute	82.	103	2	0.02	52	2	0.04	51	0	0.00						
	Drinking Water	5.	5&	5	1.00	3	3	1.00	2	2	1.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	82	0	0.00	41	0	0.00	41	0	0.00						
	Drinking Water	100.	82	1	0.01	41	0	0.00	41	1	0.02						
01090 ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
01092 ZINC, TOTAL	Fresh Acute	120.	103	2	0.02	52	1	0.02	51	1	0.02						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	241	96	0.40	116	57	0.49	125	39	0.31						
71900 MERCURY, TOTAL	Fresh Acute	2.4	107	0	0.00	55	0	0.00	52	0	0.00						
	Drinking Water	2.	107	0	0.00	55	0	0.00	52	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: GRSM0256 Parameter Code: 00076

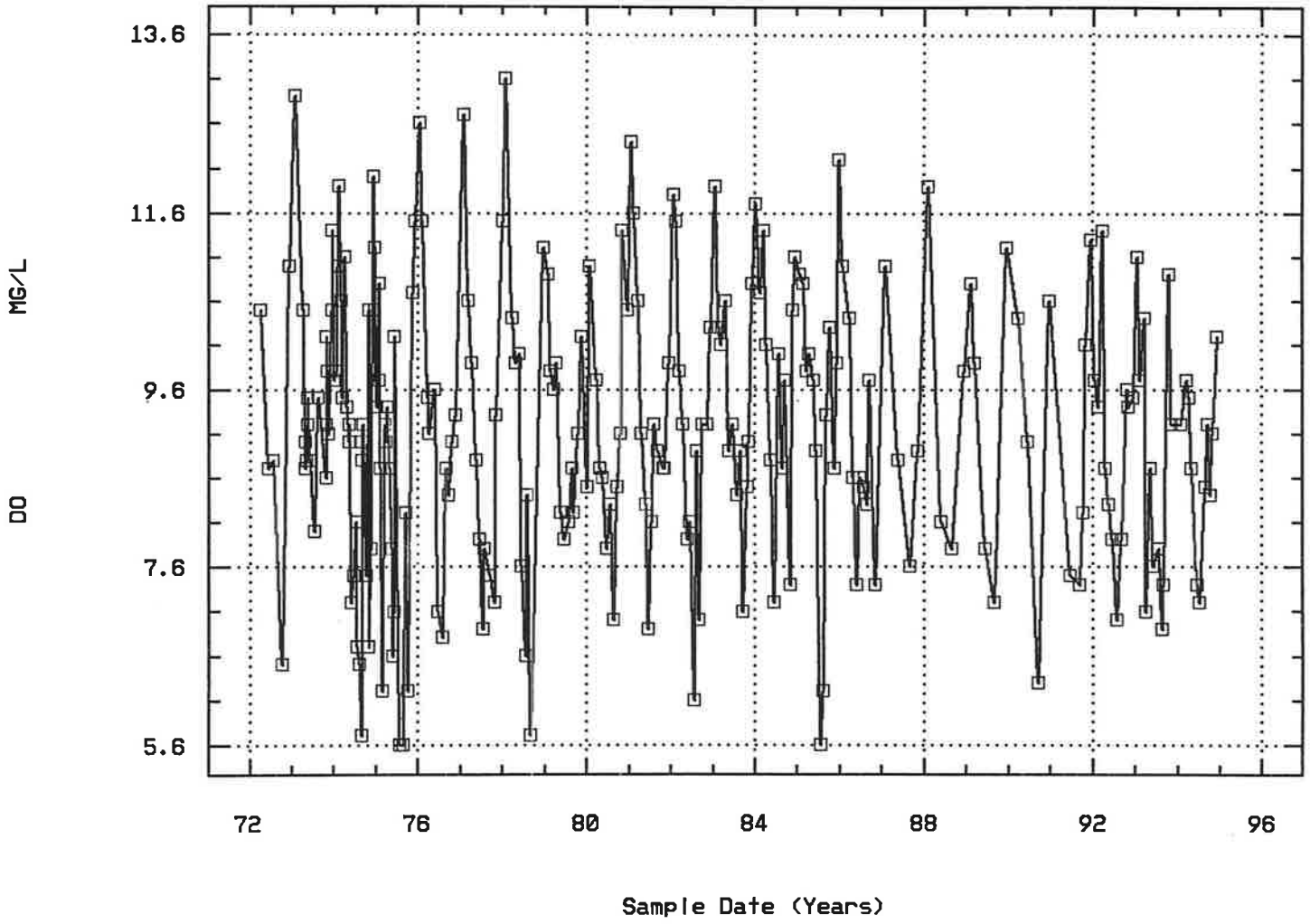
TURBIDITY,HACH TURBIDIMETER (FORMAZIN T



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00300

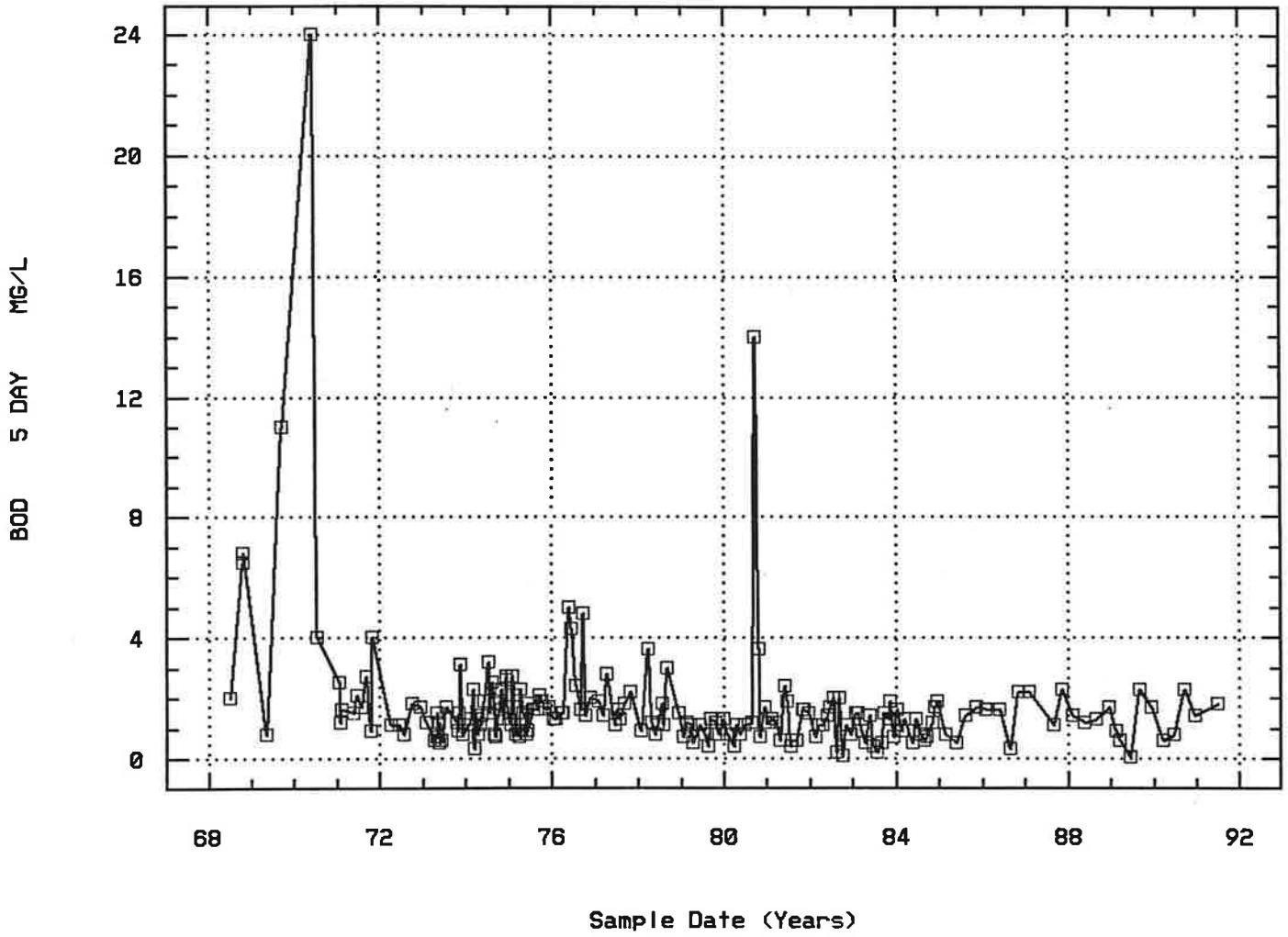
OXYGEN, DISSOLVED



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00310

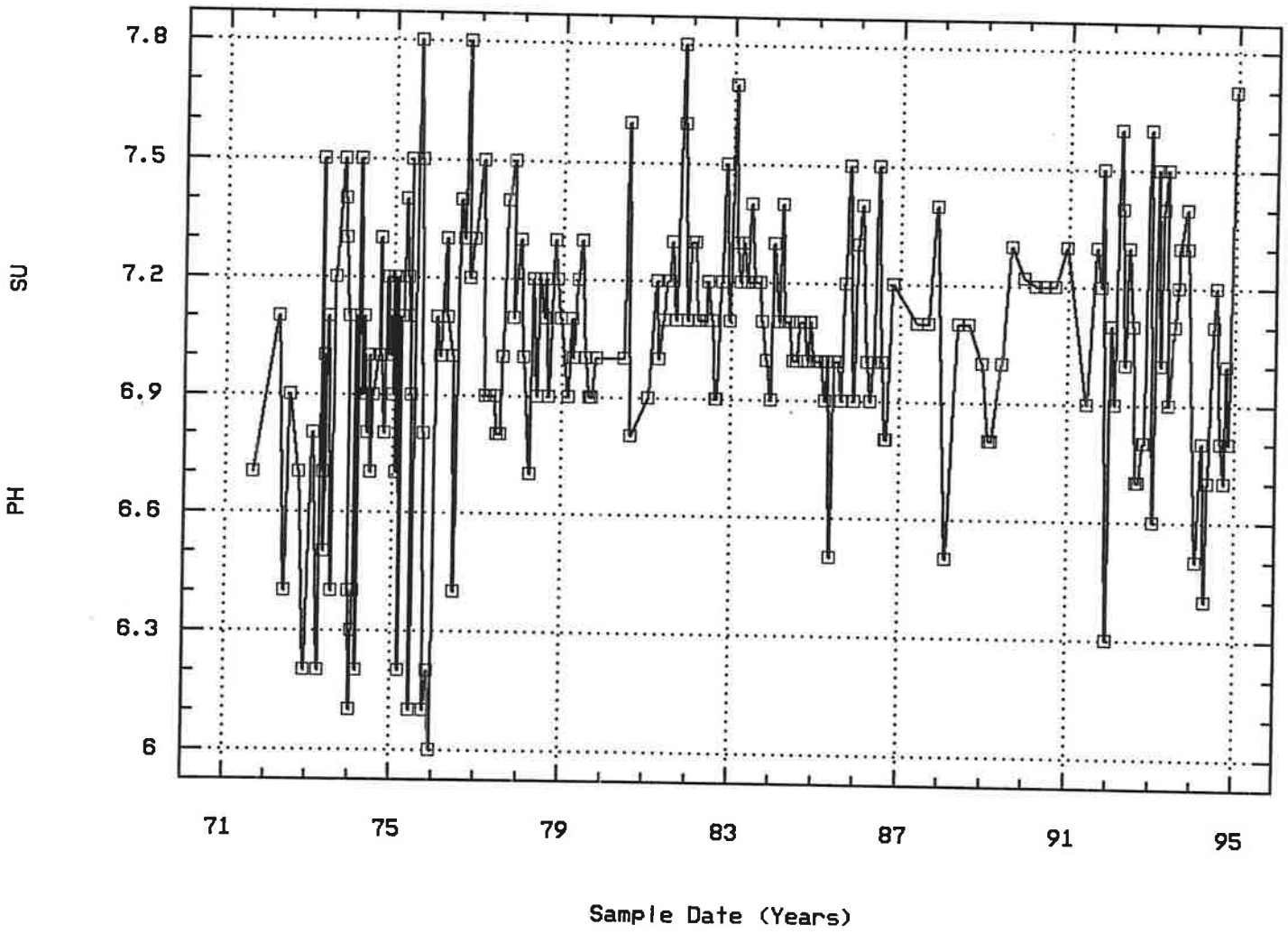
BOD, 5 DAY, 20 DEG C



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00400

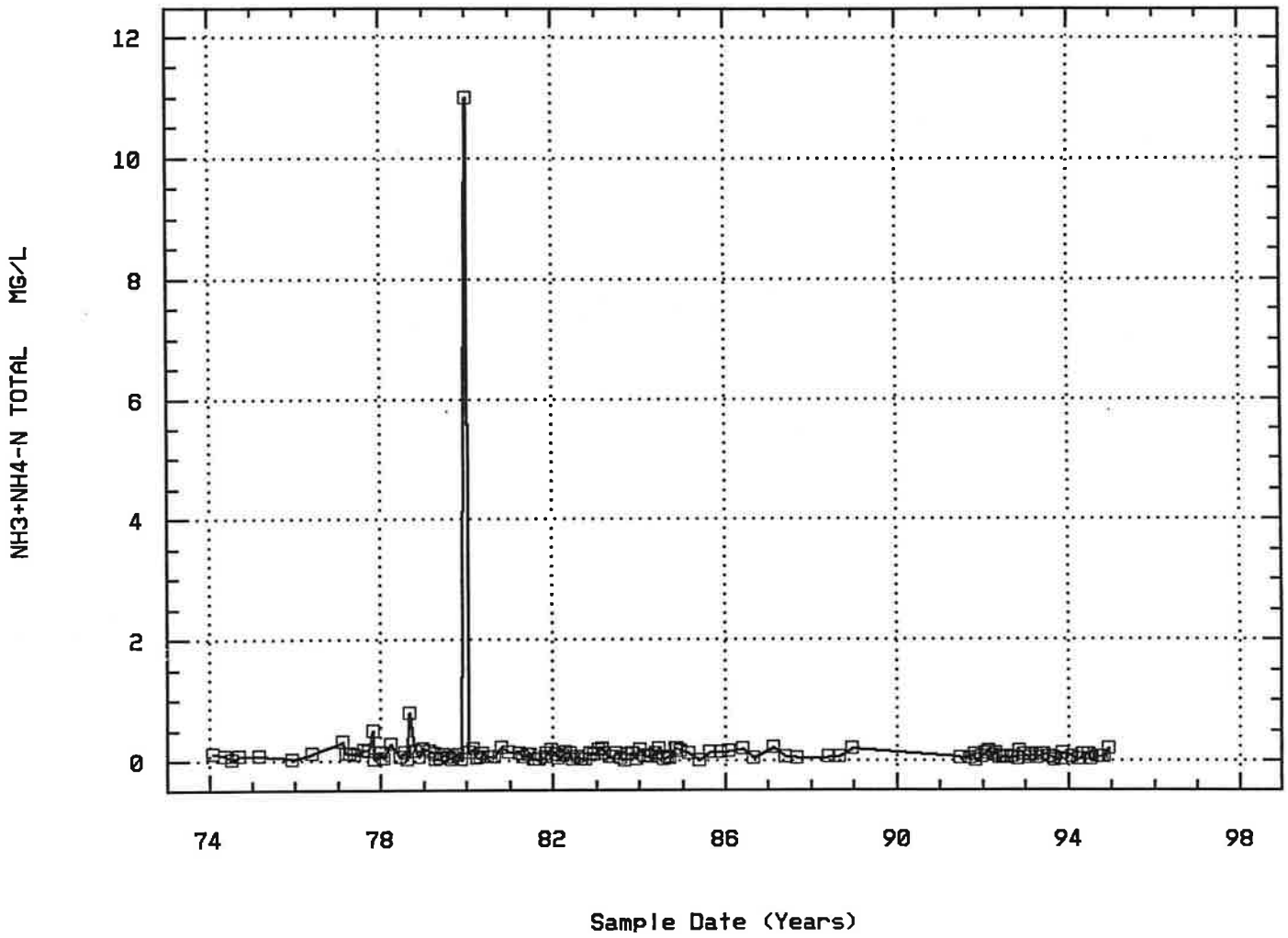
PH (STANDARD UNITS)



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00610

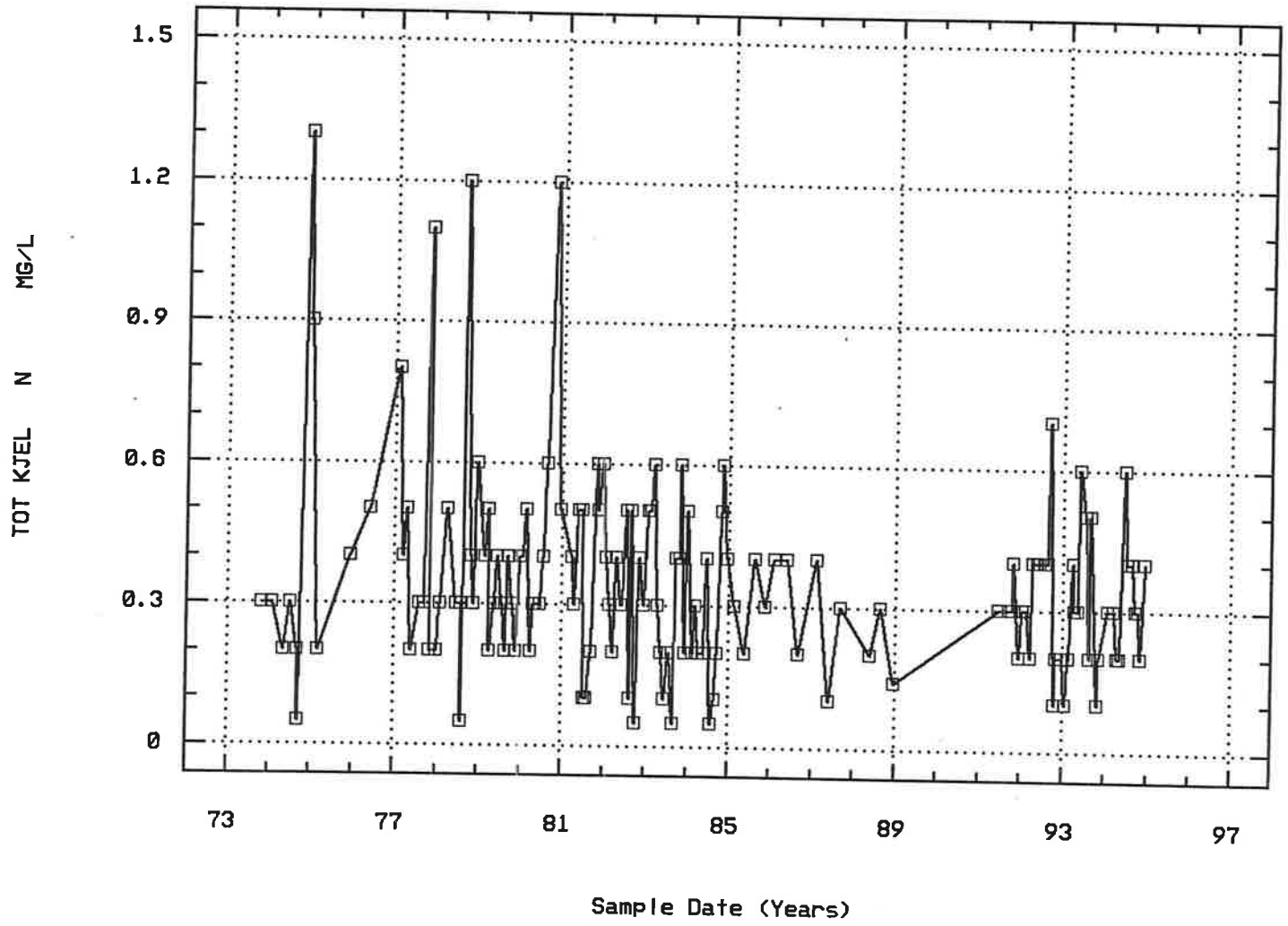
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00625

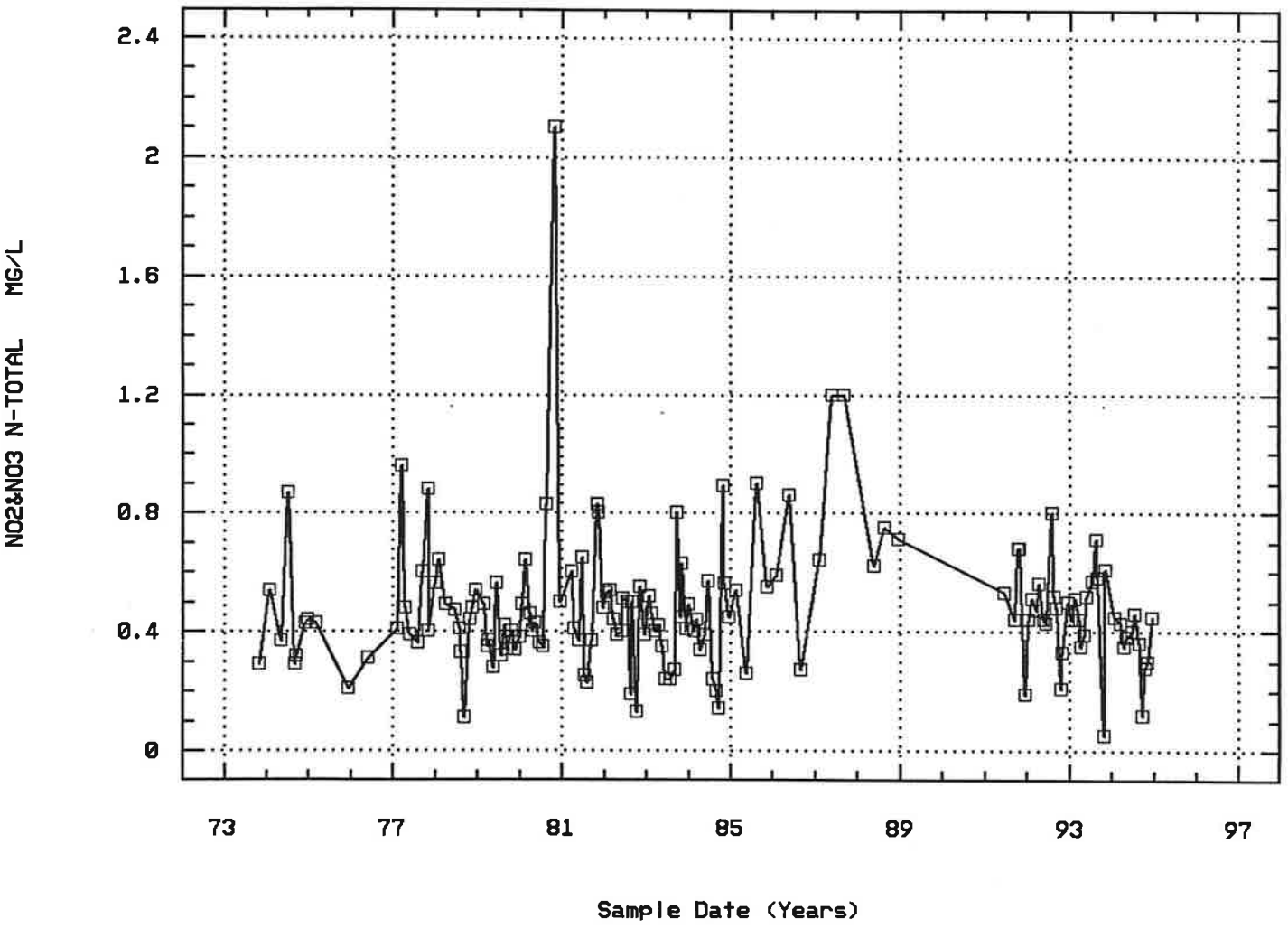
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00630

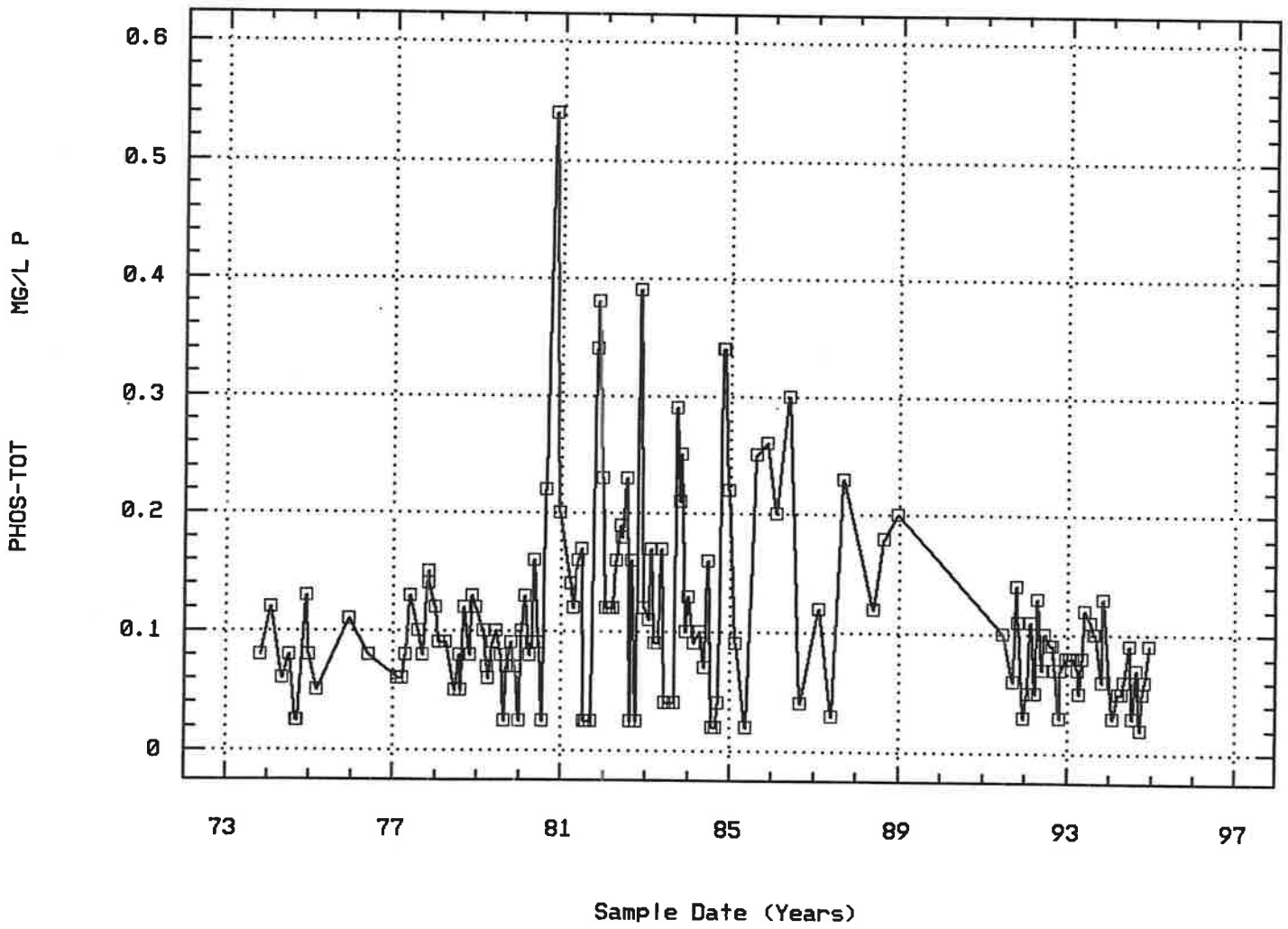
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00665

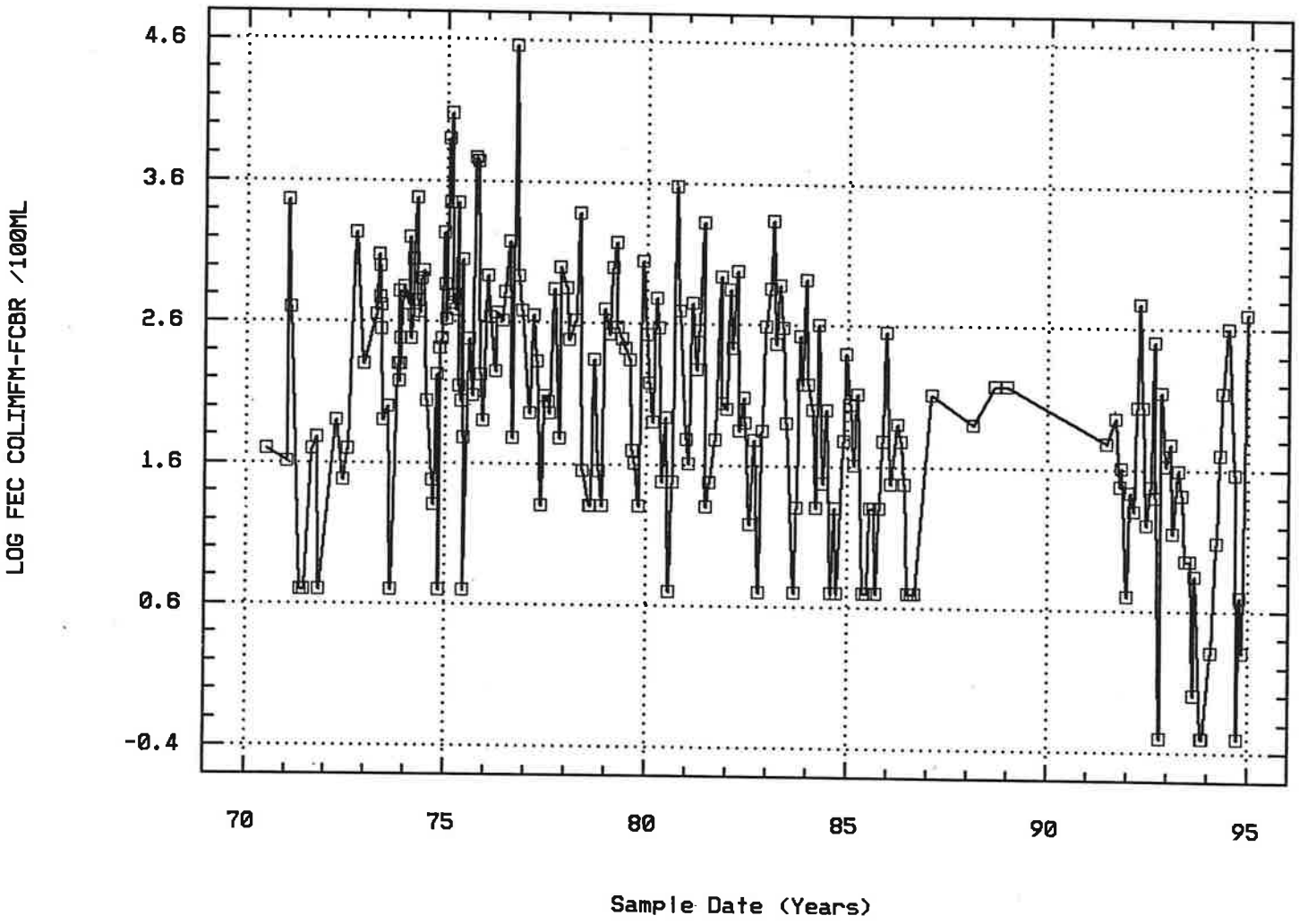
PHOSPHORUS, TOTAL (MG/L AS P)



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



PIGEON RIVER AT WATERVILLE NC

Annual Analysis for 1968 - Station GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00080 COLOR (PLATINUM-COBALT UNITS)		05/16/68-12/05/94	1	95.	95.	95.	95.	0.	0.	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	07/02/68-06/26/91	3	6.5	5.1	6.8	2.	7.23	2.689	**	**	**	**
00340 COD, .25N K2CR207	MG/L	10/18/68-08/04/81	1	67.	67.	67.	67.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		05/05/69-12/05/94	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		05/16/68-12/05/94	1	128.	128.	128.	128.	0.	0.	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	07/02/68-06/26/91	2	5.9	5.9	11.	0.8	52.02	7.212	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00310p BOD, 5 DAY, 20 DEG C	MG/L	07/02/68-06/26/91	2	14.	14.	24.	4.	200.	14.142	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		07/09/70-12/05/94	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		07/09/70-12/05/94	1##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		50.									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/09/71-12/05/94	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	09/09/71-09/19/85	1	87.	87.	87.	87.	0.	0.	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	07/02/68-06/26/91	9	1.7	2.022	4.	0.9	0.887	0.942	0.9	1.35	2.6	4.
00400p PH (STANDARD UNITS)		09/09/71-12/05/94	1	6.7	6.7	6.7	6.7	0.	0	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		09/09/71-12/05/94	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/09/71-12/05/94	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)		09/09/71-06/26/91	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)		09/09/71-08/31/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		07/09/70-12/05/94	8	45.	445.625	2900.	5.	1011303.125	1005.636	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		07/09/70-12/05/94	8	1.651	1.667	3.462	0.699	1.017	1.008	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		46.471									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/09/71-12/05/94	5	16.	15.2	23.	7.	40.2	6.34	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	04/06/72-12/05/94	5	8.8	9.1	11.	6.5	3.145	1.773	**	**	**	**
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION	%	09/09/71-09/19/85	5	93.	88.8	101.	65.	193.2	13.9	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	07/02/68-06/26/91	5	1.1	1.3	1.8	0.8	0.185	0.43	**	**	**	**
00400p PH (STANDARD UNITS)		09/09/71-12/05/94	5	6.7	6.66	7.1	6.2	0.133	0.365	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		09/09/71-12/05/94	5	6.7	6.542	7.1	6.2	0.15	0.388	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	5	0.2	0.287	0.631	0.079	0.052	0.228	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	5	26.	26.6	35.	21.	26.3	5.128	**	**	**	**
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	5	0.	0.	0.	0.	0.	0.	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	5	80.	412.	1700.	30.	522770.	723.028	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	5	1.903	2.122	3.23	1.477	0.476	0.69	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		132.474									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	17	14.	14.176	24.	7.	26.779	5.175	7.8	10.	16.	24.
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	7	43.61	42.791	43.97	40.39	2.649	1.628	**	**	**	**
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	3	23.	18.167	24.	7.5	85.583	9.251	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	17	9.2	9.629	12.9	8.	1.421	1.192	8.48	8.8	10.35	11.7
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	11	94.	95.455	111.	85.	65.273	8.079	85.6	90.	100.	110.4
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	16	1.	1.138	3.1	0.5	0.401	0.633	0.57	0.7	1.425	2.12
00340 COD, .25N K2CR207 MG/L	10/18/68-08/04/81	1##	12.5	12.5	12.5	12.5	0.	0.	**	**	**	**
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	17	7.1	6.959	7.5	6.2	0.189	0.435	6.36	6.5	7.35	7.5
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	17	7.1	6.756	7.5	6.2	0.233	0.482	6.36	6.5	7.35	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	17	0.079	0.175	0.631	0.032	0.031	0.176	0.032	0.045	0.316	0.445
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	17	20.	25.941	66.	12.	195.059	13.966	15.2	17.	31.	54.8
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	15	350.	434.333	1200.	5.	121445.952	348.491	50.	150.	660.	1080.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	15	2.544	2.42	3.079	0.699	0.35	0.591	1.421	2.176	2.82	3.032
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		262.728									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	27	15.	14.333	24.	3.	38.538	6.208	5.8	9.	20.	22.2
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	19	39.87	26.982	43.47	0.25	356.42	18.879	2.52	3.81	41.46	43.35
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	20	9.	12.27	37.	1.5	97.222	9.86	1.58	4.8	18.75	27.9
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/04/74-12/14/89	13	130.	169.692	490.	45.	16836.897	129.757	45.8	74.5	265.	418.
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	27	9.2	9.104	12.	5.7	2.973	1.724	6.66	7.5	10.5	11.34
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	21	87.	85.238	101.	66.	144.29	12.012	67.4	72.	97.	100.
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	23	1.4	1.574	3.2	0.3	0.546	0.739	0.74	1.	2.3	2.66
00340 COD, .25N K2CR207 MG/L	10/18/68-08/04/81	18	27.5	26.333	68.	12.5	248.588	15.767	12.5	12.5	33.5	50.
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	25	7.	6.9	7.5	6.1	0.113	0.337	6.26	6.8	7.1	7.24
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	25	7.	6.748	7.5	6.1	0.138	0.371	6.26	6.8	7.1	7.24
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	25	0.1	0.179	0.794	0.032	0.037	0.193	0.058	0.079	0.158	0.553
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	24	20.5	24.875	56.	7.	190.201	13.791	10.	14.25	34.5	49.5
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	4	0.08	0.076	0.12	0.025	0.002	0.039	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	7	0.3	0.464	1.3	0.05	0.209	0.457	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	7	0.43	0.466	0.87	0.29	0.039	0.197	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	7	0.08	0.074	0.13	0.025	0.002	0.041	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	22	455.	672.045	3000.	5.	568915.855	754.265	13.	90.	965.	1700.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	22	2.658	2.415	3.477	0.699	0.621	0.788	1.09	1.9	2.983	3.23

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =	259.931										

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	19	14.	13.526	25.	5.	46.374	6.81	6.	8.	19.	24.
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	3	1390.	1272.	1650.	776.	201412.	448.789	**	**	**	**
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	10	22.945	21.796	40.85	2.07	386.189	19.652	2.098	2.613	40.45	40.849
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	9	19.	18.944	42.	4.	187.153	13.68	4.	6.	31.	42.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/04/74-12/14/89	16	44.	96.75	330.	25.	9386.2	96.882	29.2	36.5	137.	281.
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	19	8.7	8.453	11.5	5.6	3.3	1.817	5.6	6.6	9.7	10.8
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	19	79.	79.211	98.	48.	158.509	12.59	64.	70.	87.	97.
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	19	1.6	1.511	2.7	0.7	0.317	0.563	0.8	0.9	1.9	2.3
00340 COD, .25N K2CR2O7 MG/L	10/18/68-08/04/81	18##	12.5	22.056	47.	12.5	139.908	11.828	12.5	12.5	32.75	39.8
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	19	7.1	6.905	7.8	6.	0.296	0.544	6.1	6.2	7.2	7.5
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	19	7.1	6.583	7.8	6.	0.406	0.637	6.1	6.2	7.2	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	19	0.079	0.261	1.	0.016	0.105	0.324	0.032	0.063	0.631	0.794
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	19	27.	27.526	63.	4.	236.374	15.374	9.	17.	31.	59.
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	2##	0.053	0.053	0.08	0.025	0.002	0.039	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	2	0.3	0.3	0.4	0.2	0.02	0.141	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	2	0.32	0.32	0.43	0.21	0.024	0.156	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	2	0.08	0.08	0.11	0.05	0.002	0.042	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	19	480.	2155.	12000.	5.	11122852.778	3335.094	60.	120.	2800.	7900.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	19	2.681	2.716	4.079	0.699	0.76	0.872	1.778	2.079	3.447	3.898
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		519.748									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	11	14.	13.909	25.	4.	47.091	6.862	4.2	6.	19.	24.2
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	5	1980.	2068.	2480.	1640.	130720.	361.552	**	**	**	**
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	5	3.42	3.398	4.15	2.9	0.235	0.485	**	**	**	**
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	11	16.	23.727	86.	6.	593.618	24.364	6.2	8.	33.	78.4
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	11	9.1	9.236	12.6	6.8	2.821	1.679	6.86	8.4	9.6	12.38
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	11	88.	86.818	96.	74.	47.964	6.926	74.8	80.	93.	95.6
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	11	1.6	2.464	5.	1.3	2.193	1.481	1.3	1.4	4.3	4.96
00340 COD, .25N K2CR2O7 MG/L	10/18/68-08/04/81	11	26.	33.182	110.	5.	774.564	27.831	7.2	20.	42.	96.8
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.2	7.173	7.8	6.4	0.116	0.341	6.52	7.	7.3	7.72
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.2	7.03	7.8	6.4	0.139	0.372	6.52	7.	7.3	7.72
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	11	0.063	0.093	0.398	0.016	0.011	0.104	0.021	0.05	0.1	0.338
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	11	27.	32.455	70.	14.	233.873	15.293	15.	25.	36.	65.2
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	6	212.	230.667	454.	61.	18137.467	134.675	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	6	17.5	19.667	53.	2.	321.467	17.929	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	480.	3808.182	36000.	60.	114144616.364	10683.848	84.	410.	850.	29100.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	2.681	2.822	4.556	1.778	0.469	0.685	1.874	2.613	2.929	4.28

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =	663.992										

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	11	16.	15.364	24.	4.	48.055	6.932	4.2	9.	21.	23.8
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	11	11.	15.	54.	2.6	223.79	14.96	2.62	5.4	15.	49.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/04/74-12/14/89	10	245.	235.2	580.	17.	32652.622	180.7	19.3	85.	332.5	566.5
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	11	8.8	9.1	12.7	6.9	3.588	1.894	6.96	7.5	10.6	12.46
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	10	90.5	88.7	99.	68.	78.233	8.845	69.3	85.5	94.5	98.7
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	11	1.4	1.555	2.8	1.	0.337	0.58	1.	1.	1.9	2.68
00340 COD, .25N K2CR2O7 MG/L	10/18/68-08/04/81	11	21.	24.636	44.	14.	84.055	9.168	15.	19.	34.	42.4
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.	7.1	7.5	6.8	0.076	0.276	6.8	6.9	7.4	7.5
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.	7.03	7.5	6.8	0.081	0.285	6.8	6.9	7.4	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	11	0.1	0.093	0.158	0.032	0.002	0.049	0.032	0.04	0.126	0.158
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	11	24.	27.909	74.	12.	291.491	17.073	12.6	15.	33.	66.6
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	11	214.	232.	446.	114.	11492.	107.201	114.2	126.	288.	430.6
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	11	12.	15.	43.	4.	140.	11.832	4.2	7.	15.	40.6
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	9	0.13	0.181	0.5	0.025	0.021	0.144	0.025	0.1	0.25	0.5
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	9	0.3	0.444	1.1	0.2	0.098	0.313	0.2	0.2	0.65	1.1
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	9	0.48	0.56	0.96	0.36	0.048	0.22	0.36	0.395	0.74	0.96
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	9	0.1	0.102	0.15	0.06	0.001	0.034	0.06	0.07	0.135	0.15
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	120.	320.909	990.	20.	110669.091	332.67	28.	90.	690.	932.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	2.079	2.251	2.996	1.301	0.28	0.529	1.396	1.954	2.839	2.966
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		178.322									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/77-09/19/91	6	0.05	0.047	0.07	0.025	0.	0.018	**	**	**	**

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Annual Analysis for 1978 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	10	15.	14.8	23.	4.	49.956	7.068	4.3	8.5	22.25	23.
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	2	2145.	2145.	2350.	1940.	84050.	289.914	**	**	**	**
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	3	3.39	14.813	40.88	0.17	512.195	22.632	**	**	**	**
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	4	17.	17.725	34.	2.9	161.903	12.724	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/04/74-12/14/89	9	200.	264.	600.	21.	48180.5	219.501	21.	82.5	505.	600.
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	9	9.9	9.211	13.1	5.7	5.499	2.345	5.7	7.1	10.8	13.1
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	2	97.5	97.5	100.	95.	12.5	3.536	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	11	1.1	1.545	3.6	0.8	0.849	0.921	0.82	1.	1.8	3.48
00340 COD, .25N K2CR2O7 MG/L	10/18/68-08/04/81	11	22.	20.636	36.	5.	117.055	10.819	5.	10.	30.	35.2
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.1	7.073	7.3	6.7	0.032	0.179	6.74	6.9	7.2	7.28
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.1	7.036	7.3	6.7	0.034	0.183	6.74	6.9	7.2	7.28
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	11	0.079	0.092	0.2	0.05	0.002	0.044	0.053	0.063	0.126	0.185
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	11	22.	24.	45.	8.	163.6	12.791	8.	13.	32.	44.4
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	7	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	11	214.	226.818	430.	35.	22097.364	148.652	37.	85.	378.	425.4
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	10	9.	10.35	22.	0.5	59.114	7.689	0.75	3.75	18.	21.9
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	9	0.14	0.193	0.79	0.025	0.056	0.237	0.025	0.055	0.23	0.79
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	9	0.3	0.439	1.2	0.05	0.105	0.324	0.05	0.3	0.55	1.2
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	9	0.47	0.434	0.64	0.11	0.022	0.149	0.11	0.37	0.515	0.64
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	9	0.09	0.09	0.13	0.05	0.001	0.029	0.05	0.065	0.12	0.13

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Annual Analysis for 1978 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	35.	361.818	2400.	10.	488851.364	699.179	12.	20.	420.	2020.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	1.544	1.956	3.38	1.	0.599	0.774	1.06	1.301	2.623	3.244
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		90.312									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/77-09/19/91	9##	0.025	0.035	0.08	0.025	0.	0.02	0.025	0.025	0.043	0.08
81647 REFERENCE POINT READING(LINEAR FEET)	10/23/78-10/21/92	2	42.39	42.39	44.17	40.61	6.337	2.517	**	**	**	**

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Annual Analysis for 1979 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	12	13.	13.667	22.	4.	35.515	5.959	5.2	8.25	19.75	21.4
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	6	2895.	2791.667	6500.	108.	5108874.267	2260.282	**	**	**	**
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	6	3.71	3.367	5.67	0.91	2.725	1.651	**	**	**	**
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	3	20.	22.	35.	11.	147.	12.124	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/04/74-12/14/89	9	160.	147.222	290.	40.	7969.444	89.272	40.	47.5	215.	290.
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	12	8.9	9.092	10.9	7.9	0.946	0.973	7.96	8.2	9.875	10.69
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	12	1.05	0.95	1.3	0.4	0.094	0.306	0.43	0.725	1.2	1.3
00340 COD, .25N K2CR2O7 MG/L	10/18/68-08/04/81	12	13.	14.	25.	5.	31.455	5.608	6.5	10.25	16.5	24.4
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	9	7.	7.033	7.3	6.9	0.02	0.141	6.9	6.9	7.15	7.3
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	9	7.	7.015	7.3	6.9	0.02	0.143	6.9	6.9	7.15	7.3
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	9	0.1	0.097	0.126	0.05	0.001	0.028	0.05	0.071	0.126	0.126
00403 PH, LAB, STANDARD UNITS SU	11/28/79-06/26/91	2	6.95	6.95	7.	6.9	0.005	0.071	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-06/26/91	2	6.947	6.947	7.	6.9	0.005	0.071	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-06/26/91	2	0.113	0.113	0.126	0.1	0.	0.018	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	11	16.	16.091	28.	8.	39.091	6.252	8.4	10.	21.	26.8
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	12	128.	143.	318.	49.	5250.727	72.462	58.9	90.25	185.5	283.2
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	10.	11.583	26.	4.	44.811	6.694	4.6	6.25	16.5	24.5
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	11	0.07	1.065	11.	0.025	10.859	3.295	0.025	0.025	0.11	8.83
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	12	0.35	0.333	0.5	0.2	0.01	0.098	0.2	0.225	0.4	0.47
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	11	0.37	0.386	0.56	0.28	0.006	0.08	0.288	0.34	0.42	0.546
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	11	0.07	0.071	0.1	0.025	0.001	0.026	0.025	0.06	0.09	0.1
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	12	320.	461.25	1500.	20.	225536.932	474.907	26.	92.5	842.5	1380.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	12	2.505	2.39	3.176	1.301	0.343	0.586	1.391	1.86	2.892	3.136
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		245.556									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/77-09/19/91	10##	0.025	0.031	0.06	0.025	0.	0.013	0.025	0.025	0.031	0.059
81647 REFERENCE POINT READING(LINEAR FEET)	10/23/78-10/21/92	6	40.29	40.633	43.09	38.33	2.725	1.651	**	**	**	**

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Annual Analysis for 1980 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	11	14.	14.727	24.	7.	38.618	6.214	7.2	8.	20.	24.
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	7	2370.	1716.429	3720.	30.	2043543.952	1429.526	**	**	**	**
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	7	3.4	2.517	4.17	0.21	2.313	1.521	**	**	**	**
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	9	4.5	58.389	380.	0.5	16028.726	126.605	0.5	2.9	62.95	380.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/04/74-12/14/89	10	295.5	379.8	1000.	112.	77386.4	278.184	112.8	142.5	535.75	962.8
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	11	8.7	9.145	11.4	7.	1.871	1.368	7.16	8.3	10.5	11.32
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	12	1.05	2.283	14.	0.4	14.28	3.779	0.49	0.8	1.575	10.88
00340 COD, .25N K2CR2O7 MG/L	10/18/68-08/04/81	12	17.5	27.75	82.	5.	710.75	26.66	5.	7.	40.75	80.2
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	3	7.	7.133	7.6	6.8	0.173	0.416	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	3	7.	7.024	7.6	6.8	0.191	0.437	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	3	0.1	0.095	0.158	0.025	0.004	0.067	**	**	**	**

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Annual Analysis for 1980 - Station GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	11/28/79-06/26/91	12	7.25	7.267	7.7	7.	0.041	0.202	7.	7.125	7.375	7.64
00403	CONVERTED PH, LAB, STANDARD UNITS	11/28/79-06/26/91	12	7.247	7.228	7.7	7.	0.042	0.206	7.	7.125	7.375	7.64
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-06/26/91	12	0.057	0.059	0.1	0.02	0.001	0.025	0.023	0.042	0.075	0.1
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	12	21.5	29.333	61.	10.	273.515	16.538	11.5	17.	47.	57.4
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00431	ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	2	18.	18.	21.	15.	18.	4.243	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	12	173.	310.167	779.	68.	81877.424	286.142	71.	91.75	644.5	778.7
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/06/80-01/25/85	4	134.5	138.	219.	64.	6000.667	77.464	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	08/06/80-01/25/85	4	444.5	377.	589.	30.	67048.667	258.938	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	9.	48.583	319.	3.	10016.083	100.08	3.3	4.5	11.75	280.3
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/06/80-01/25/85	4	20.5	27.75	66.	4.	814.917	28.547	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/06/80-01/25/85	4	79.	102.875	253.	0.5	15442.063	124.266	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	10	0.095	0.112	0.21	0.05	0.004	0.059	0.051	0.06	0.155	0.209
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	10	0.4	0.47	1.2	0.2	0.08	0.283	0.21	0.3	0.525	1.14
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	10	0.475	0.656	2.1	0.35	0.278	0.527	0.351	0.39	0.688	1.973
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	10	0.115	0.164	0.54	0.025	0.021	0.145	0.031	0.087	0.205	0.508
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	12	82.5	476.667	3800.	5.	1136746.97	1066.183	6.5	30.	460.	2843.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	12	1.916	2.005	3.58	0.699	0.659	0.812	0.789	1.477	2.66	3.341
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		101.225									
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/77-09/19/91	3	0.14	0.133	0.15	0.11	0.	0.021	**	**	**	**
81647	REFERENCE POINT READING(LINEAR FEET)	10/23/78-10/21/92	9	42.25	41.901	43.96	39.83	2.481	1.575	39.83	40.495	43.475	43.96

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Annual Analysis for 1981 - Station GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	12	13.5	13.	23.	3.	40.182	6.339	3.3	8.25	19.25	22.1
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	10	1270.	1271.6	3370.	76.	1404259.6	1185.015	77.3	96.5	2255.	3263.
00065	STAGE, STREAM (FEET)	06/14/73-10/21/92	10	2.56	2.258	4.35	0.47	2.179	1.476	0.487	0.745	3.485	4.313
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	12	4.	5.	15.	2.	13.636	3.693	2.	2.25	6.	12.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	4	352.	428.	978.	30.	208269.333	456.365	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/04/74-12/14/89	7	249.	327.571	670.	50.	60469.619	245.906	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	12	9.	9.367	12.4	6.9	2.366	1.538	7.26	8.4	10.425	12.16
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	1	76.	76.	76.	76.	0.	0.	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	12	1.25	1.242	2.4	0.4	0.368	0.607	0.46	0.6	1.6	2.25
00340	COD, .25N K2CR2O7 MG/L	10/18/68-08/04/81	5	18.	21.2	41.	5.	178.7	13.368	**	**	**	**
00400p	PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.2	7.227	7.8	6.9	0.068	0.261	6.92	7.1	7.3	7.76
00400p	CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.2	7.169	7.8	6.9	0.072	0.268	6.92.	7.1	7.3	7.76
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	11	0.063	0.068	0.126	0.016	0.001	0.031	0.018	0.05	0.079	0.121
00403	PH, LAB, STANDARD UNITS SU	11/28/79-06/26/91	12	7.15	7.167	7.4	6.9	0.024	0.156	6.93	7.025	7.3	7.37
00403	CONVERTED PH, LAB, STANDARD UNITS	11/28/79-06/26/91	12	7.147	7.141	7.4	6.9	0.025	0.158	6.93	7.025	7.3	7.37
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-06/26/91	12	0.071	0.072	0.126	0.04	0.001	0.026	0.043	0.05	0.095	0.118
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	12	29.5	33.833	80.	9.	517.061	22.739	9.3	13.75	50.5	74.9
00431	ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	11	35.	36.909	76.	8.	596.091	24.415	8.2	14.	55.	75.4
00500	RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	12	248.	286.583	678.	49.	43244.992	207.954	54.1	94.75	445.25	650.4
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/06/80-01/25/85	11	60.	68.727	138.	16.	1285.418	35.853	19.6	40.	99.	130.4
00510	RESIDUE, TOTAL FIXED (MG/L)	08/06/80-01/25/85	11	109.	201.727	579.	26.	35992.818	189.718	27.4	41.	308.	562.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	6.	8.333	23.	4.	30.788	5.549	4.	4.25	10.75	20.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/06/80-01/25/85	11	4.	3.727	8.	0.5	5.368	2.317	0.5	1.	5.	7.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/06/80-01/25/85	11	4.	4.682	15.	0.5	17.014	4.125	0.6	1.	6.	13.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	10	0.08	0.081	0.18	0.025	0.003	0.051	0.025	0.025	0.12	0.174
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	10	0.45	0.38	0.6	0.1	0.037	0.193	0.1	0.175	0.525	0.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	10	0.445	0.499	0.83	0.23	0.045	0.213	0.232	0.34	0.688	0.827
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	10	0.15	0.162	0.38	0.025	0.016	0.126	0.025	0.025	0.258	0.376
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	110.	403.636	2100.	20.	388265.455	623.11	22.	40.	560.	1854.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	2.041	2.186	3.322	1.301	0.417	0.646	1.336	1.602	2.748	3.246

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		153.421									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/77-09/19/91	10	0.09	0.113	0.27	0.025	0.008	0.092	0.025	0.025	0.205	0.268
81647 REFERENCE POINT READING(LINEAR FEET)	10/23/78-10/21/92	10	41.44	41.742	43.53	39.65	2.179	1.476	39.687	40.515	43.255	43.513

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	12	16.	15.083	24.	4.	36.265	6.022	5.2	10.25	19.75	23.1
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	12	2170.	2104.667	3700.	54.	1481300.606	1217.087	63.6	1154.5	3187.5	3619.
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	12	3.275	2.929	4.13	0.15	1.686	1.298	0.285	2.448	3.87	4.094
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	12	3.75	6.158	25.	1.	43.064	6.562	1.	2.25	7.75	20.5
00080 COLOR (PLATINUM-COBALT UNITS)	05/16/68-12/05/94	3	48.	61.667	90.	47.	602.333	24.542	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	11	280.	312.	586.	39.	39855.2	199.638	49.2	164.	517.	583.2
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	12	9.2	9.083	11.8	6.1	2.809	1.676	6.37	7.95	10.175	11.71
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	9	90.	89.222	100.	78.	53.444	7.311	78.	83.	96.	100.
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	12	1.1	1.1	2.	0.1	0.376	0.613	0.13	0.725	1.625	2.
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.1	7.155	7.5	6.9	0.031	0.175	6.9	7.1	7.3	7.46
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.1	7.124	7.5	6.9	0.032	0.178	6.9	7.1	7.3	7.46
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	11	0.079	0.075	0.126	0.032	0.001	0.029	0.035	0.05	0.079	0.126
00403 PH, LAB, STANDARD UNITS SU	11/28/79-06/26/91	12	7.1	7.108	7.4	6.8	0.034	0.183	6.83	7.	7.3	7.37
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-06/26/91	12	7.1	7.074	7.4	6.8	0.035	0.187	6.83	7.	7.3	7.37
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-06/26/91	12	0.079	0.084	0.158	0.04	0.001	0.035	0.043	0.05	0.1	0.149
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	12	22.	26.333	49.	9.	176.061	13.269	10.5	17.5	39.	48.7
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	11	19.	24.909	47.	7.	167.491	12.942	8.4	16.	40.	46.
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	12	159.5	204.417	423.	37.	17137.538	130.91	46.	131.25	348.5	417.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	08/06/80-01/25/85	12	61.5	60.333	123.	14.	807.152	28.41	15.8	45.75	73.75	108.9
00510 RESIDUE, TOTAL FIXED (MG/L)	08/06/80-01/25/85	12	106.	144.417	329.	23.	11926.992	109.211	30.2	71.5	262.75	326.3
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	8.5	8.708	20.	0.5	31.112	5.578	0.95	4.25	12.75	18.2
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/06/80-01/25/85	12	4.	3.5	7.	0.5	4.045	2.011	0.5	2.	4.75	6.7
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	08/06/80-01/25/85	12	5.	5.375	15.	0.5	23.369	4.834	0.5	0.625	7.75	14.4
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	12	0.075	0.071	0.14	0.025	0.002	0.041	0.025	0.025	0.105	0.134
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	12	0.3	0.313	0.5	0.05	0.02	0.142	0.065	0.225	0.4	0.5
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	12	0.47	0.423	0.55	0.13	0.019	0.136	0.148	0.39	0.525	0.547
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	12	0.14	0.153	0.39	0.025	0.009	0 096	0.025	0.12	0.188	0.342
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	12	75.	228.333	950.	5.	93310.606	305.468	6.5	26.25	360.	875.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	12	1.874	1.931	2.978	0.699	0.512	0.716	0.789	1.327	2.551	2.938
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		85.292									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/77-09/19/91	10	0.09	0.09	0.16	0.025	0.002	0.048	0.025	0.051	0.128	0.159
81647 REFERENCE POINT READING(LINEAR FEET)	10/23/78-10/21/92	12	40.725	41.071	43.85	39.87	1.686	1.298	39.906	40.13	41.552	43.715

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Annual Analysis for 1983 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	12	13.5	14.042	23.	6.	32.294	5.683	6.6	9.125	19.	22.4
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	12	1770.	1736.5	4040.	73.	1749135.909	1322.549	73.	275.5	2962.5	3791.
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	12	2.985	2.583	4.35	0.41	1.931	1.39	0.413	1.023	3.758	4.212
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	12	3.45	5.8	23.	0.5	55.805	7.47	0.5	1.85	4.35	22.1
00080 COLOR (PLATINUM-COBALT UNITS)	05/16/68-12/05/94	12	50.	55.75	120.	8.	1475.477	38.412	8.3	16.25	83.	117.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	12	204.	292.75	900.	50.	70340.75	265.218	56.9	85.5	474.25	813.
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	12	9.1	9.475	11.9	7.1	1.698	1.303	7.49	8.6	10.525	11.57
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	11	92.	89.636	99.	74.	56.455	7.514	75.8	83.	95.	98.8

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Annual Analysis for 1983 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	12	1.1	1.025	1.9	0.2	0.309	0.556	0.26	0.5	1.5	1.78
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.2	7.227	7.7	6.9	0.044	0.21	6.92	7.1	7.3	7.64
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.2	7.185	7.7	6.9	0.046	0.215	6.92	7.1	7.3	7.64
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	11	0.063	0.065	0.126	0.02	0.001	0.029	0.024	0.05	0.079	0.121
00403 PH, LAB, STANDARD UNITS SU	11/28/79-06/26/91	12	7.1	7.133	7.4	6.9	0.03	0.172	6.9	7.	7.275	7.4
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-06/26/91	12	7.1	7.103	7.4	6.9	0.031	0.175	6.9	7.	7.275	7.4
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-06/26/91	12	0.079	0.079	0.126	0.04	0.001	0.03	0.04	0.053	0.1	0.126
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	12	21.	25.75	56.	10.	255.841	15.995	10.	11.75	39.75	54.2
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	11	19.	23.455	56.	9.	253.473	15.921	9.2	10.	34.	54.2
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	12	150.	198.	610.	43.	28578.364	169.051	44.8	74.	265.	553.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	08/06/80-01/25/85	12	42.	48.25	150.	6.	1283.295	35.823	11.7	26.75	56.75	122.1
00510 RESIDUE, TOTAL FIXED (MG/L)	08/06/80-01/25/85	12	103.	151.5	470.	23.	19604.455	140.016	27.2	45.75	210.	440.
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	6.5	8.167	22.	0.5	55.379	7.442	0.5	1.5	13.	21.7
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/06/80-01/25/85	12	4.	3.875	8.	0.5	6.869	2.621	0.5	0.875	6.	7.7
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	08/06/80-01/25/85	12	1.	4.5	20.	0.5	42.727	6.537	0.5	0.5	7.	18.5
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	12	0.1	0.093	0.2	0.01	0.003	0.057	0.016	0.045	0.12	0.191
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	12	0.35	0.338	0.6	0.05	0.036	0.19	0.065	0.2	0.5	0.6
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	12	0.415	0.433	0.8	0.24	0.027	0.163	0.24	0.29	0.505	0.749
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	12	0.105	0.133	0.29	0.04	0.007	0.084	0.04	0.053	0.2	0.278
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	12	310.	481.25	2200.	5.	382955.114	618.834	6.5	35.	750.	1789.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	12	2.49	2.22	3.342	0.699	0.693	0.832	0.789	1.452	2.875	3.215
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		165.944									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/77-09/19/91	12	0.05	0.076	0.18	0.02	0.003	0.058	0.02	0.025	0.13	0.177
81647 REFERENCE POINT READING(LINEAR FEET)	10/23/78-10/21/92	12	41.015	41.417	43.59	39.65	1.931	1.39	39.788	40.243	42.978	43.587

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Annual Analysis for 1984 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	12	12.	12.25	20.	4.	34.568	5.879	4.6	6.25	18.5	19.7
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	12	1900.	1622.725	3610.	0.7	1335897.035	1155.81	16.09	715.	2225.	3517.
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	12	3.25	363.613	4331.	0.12	1561008.388	1249.403	0.777	2.575	3.895	3032.933
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	12	3.6	3.967	12.	0.5	10.762	3.281	0.65	1.95	3.8	11.04
00080 COLOR (PLATINUM-COBALT UNITS)	05/16/68-12/05/94	11	75.	80.091	160.	12.	2663.091	51.605	13.	34.	130.	156.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	12	177.5	239.833	670.	35.	37962.697	194.84	38.	76.25	371.25	611.5
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	12	10.05	9.775	11.7	7.2	2.184	1.478	7.26	8.725	11.	11.61
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	6	88.5	86.667	91.	78.	21.867	4.676	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	12	1.1	1.125	1.9	0.5	0.204	0.452	0.53	0.725	1.525	1.84
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	12	7.1	7.108	7.4	7.	0.015	0.124	7.	7.	7.1	7.37
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	12	7.1	7.094	7.4	7.	0.016	0.125	7.	7.	7.1	7.37
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	12	0.079	0.081	0.1	0.04	0.	0.019	0.043	0.079	0.1	0.1
00403 PH, LAB, STANDARD UNITS SU	11/28/79-06/26/91	12	7.1	7.067	7.3	6.8	0.015	0.123	6.86	7.	7.1	7.27
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-06/26/91	12	7.1	7.05	7.3	6.8	0.015	0.124	6.86	7.	7.1	7.27
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-06/26/91	12	0.079	0.089	0.158	0.05	0.001	0.027	0.054	0.079	0.1	0.141
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	12	20.5	22.333	45.	6.	146.97	12.123	7.2	13.5	31.75	43.5
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	12	18.5	20.917	43.	5.	148.083	12.169	5.9	12.25	28.	42.4
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	12	140.	177.25	450.	36.	16620.932	128.922	39.3	61.	257.5	420.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	08/06/80-01/25/85	12	35.5	42.083	96.	14.	593.356	24.359	15.8	24.25	52.	90.9
00510 RESIDUE, TOTAL FIXED (MG/L)	08/06/80-01/25/85	12	105.5	134.	350.	22.	10786.364	103.857	22.6	39.	200.	326.
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	4.	4.875	13.	0.5	13.369	3.656	0.95	2.	6.75	12.1
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/06/80-01/25/85	12	3.5	3.708	9.	0.5	4.839	2.2	0.95	2.	5.	7.8
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	08/06/80-01/25/85	12##	0.5	1.5	5.	0.5	3.	1.732	0.5	0.5	3.25	4.7
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	12	0.1	0.112	0.2	0.02	0.004	0.066	0.026	0.06	0.185	0.197
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	12	0.25	0.304	0.6	0.05	0.03	0.174	0.065	0.2	0.475	0.57
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	12	0.42	0.426	0.89	0.14	0.04	0.199	0.158	0.265	0.543	0.794
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	11	0.1	0.139	0.34	0.02	0.013	0.116	0.02	0.04	0.22	0.34

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/09/71-12/05/94	4	10.	12.5	24.	6.	73.	8.544	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/07/75-10/21/92	2	1890.	1890.	2300.	1480.	336200.	579.828	**	**	**	**
00065 STAGE, STREAM (FEET)		06/14/73-10/21/92	2	3.62	3.62	3.94	3.3	0.205	0.453	**	**	**	**
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		05/05/69-12/05/94	4	5.15	5.3	7.4	1.5	6.78	2.604	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		05/16/68-12/05/94	2	103.	103.	110.	96.	98.	9.899	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		05/28/81-12/05/94	4	417.5	463.75	730.	290.	35322.917	187.944	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	04/06/72-12/05/94	4	8.95	9.4	11.9	7.8	3.553	1.885	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	07/02/68-06/26/91	4	1.35	1.4	1.7	1.2	0.047	0.216	**	**	**	**
00400p PH (STANDARD UNITS)		09/09/71-12/05/94	4	7.05	6.925	7.1	6.5	0.082	0.287	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		09/09/71-12/05/94	4	7.047	6.842	7.1	6.5	0.092	0.303	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/09/71-12/05/94	4	0.09	0.144	0.316	0.079	0.013	0.115	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	11/28/79-06/26/91	4	7.15	7.175	7.3	7.1	0.009	0.096	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		11/28/79-06/26/91	4	7.147	7.167	7.3	7.1	0.009	0.096	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/28/79-06/26/91	4	0.071	0.068	0.079	0.05	0.	0.014	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)		09/09/71-06/26/91	4	41.	41.25	54.	29.	128.25	11.325	**	**	**	**
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)		06/27/80-10/25/93	4	41.	41.25	58.	25.	192.25	13.865	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		05/26/76-01/22/92	4	300.	330.	490.	230.	13533.333	116.333	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/26/76-12/05/94	4	3.	3.75	8.	1.	9.583	3.096	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/04/74-12/05/94	3	0.07	0.107	0.19	0.06	0.005	0.072	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		10/25/73-12/05/94	3	0.2	0.213	0.3	0.14	0.007	0.081	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/25/73-12/05/94	3	0.71	0.693	0.75	0.62	0.004	0.067	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/25/73-12/05/94	3	0.18	0.167	0.2	0.12	0.002	0.042	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		07/09/70-12/05/94	4	115.	97.5	150.	10.	4491.667	67.02	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		07/09/70-12/05/94	4	2.04	1.814	2.176	1.	0.311	0.558	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C		GEOMETRIC MEAN =		65.136									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)		05/20/77-09/19/91	3	0.14	0.123	0.14	0.09	0.001	0.029	**	**	**	**
81647 REFERENCE POINT READING(LINEAR FEET)		10/23/78-10/21/92	2	40.38	40.38	40.7	40.06	0.205	0.453	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		09/09/71-12/05/94	5	12.	12.7	22.	5.5	52.95	7.277	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS	CFS	10/07/75-10/21/92	3	1830.	1465.667	2400.	167.	1346126.333	1160.227	**	**	**	**
00065 STAGE, STREAM (FEET)		06/14/73-10/21/92	3	3.59	2.917	3.99	1.17	2.328	1.526	**	**	**	**
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)		05/05/69-12/05/94	5	5.	5.06	7.	2.	3.818	1.954	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)		05/16/68-12/05/94	4	50.	53.	68.	44.	110.667	10.52	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		05/28/81-12/05/94	4	205.	221.25	350.	125.	9206.25	95.949	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/04/74-12/14/89	1	214.	214.	214.	214.	0.	0.	**	**	**	**
00300p OXYGEN, DISSOLVED	MG/L	04/06/72-12/05/94	5	9.9	9.38	11.2	7.2	3.212	1.792	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C	MG/L	07/02/68-06/26/91	5	0.9	1.11	2.3	0.05	0.798	0.893	**	**	**	**
00400p PH (STANDARD UNITS)		09/09/71-12/05/94	5	7.	7.024	7.3	6.8	0.054	0.232	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)		09/09/71-12/05/94	5	7.	6.977	7.3	6.8	0.057	0.238	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		09/09/71-12/05/94	5	0.1	0.105	0.158	0.05	0.003	0.052	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	11/28/79-06/26/91	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		11/28/79-06/26/91	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		11/28/79-06/26/91	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)		09/09/71-06/26/91	1	26.	26.	26.	26.	0.	0.	**	**	**	**
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)		06/27/80-10/25/93	4	22.5	25.75	41.	17.	110.25	10.5	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)		05/26/76-01/22/92	5	160.	164.	240.	110.	2330.	48.27	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)		05/26/76-12/05/94	5	5.	5.	7.	3.	2.5	1.581	**	**	**	**
81647 REFERENCE POINT READING(LINEAR FEET)		10/23/78-10/21/92	3	40.41	41.083	42.83	40.01	2.328	1.526	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	4	14.5	15.	21.	10.	34.	5.831	**	**	**	**
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	3	1500.	2066.667	3400.	1300.	1343333.333	1159.023	**	**	**	**
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	3	3.32	3.663	4.51	3.16	0.544	0.738	**	**	**	**
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	4	4.5	4.375	7.	1.5	6.563	2.562	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	05/16/68-12/05/94	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	4	207.5	247.	500.	73.	39472.667	198.677	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	4	9.7	9.075	10.6	6.3	3.929	1.982	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	4	1.1	1.275	2.3	0.6	0.582	0.763	**	**	**	**
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	4	7.2	7.225	7.3	7.2	0.002	0.05	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	4	7.2	7.223	7.3	7.2	0.003	0.05	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	4	0.063	0.06	0.063	0.05	0.	0.006	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	11/28/79-06/26/91	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-06/26/91	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-06/26/91	1	0.063	0.063	0.063	0.063	0.	0.	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	3	37.	40.	67.	16.	657.	25.632	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	4	175.	194.75	380.	49.	21596.917	146.959	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	4	5.5	5.25	8.	2.	6.25	2.5	**	**	**	**
81647 REFERENCE POINT READING(LINEAR FEET)	10/23/78-10/21/92	3	40.68	40.337	40.84	39.49	0.544	0.738	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	5	15.	14.2	20.	6.	33.7	5.805	**	**	**	**
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	5	4.	5.3	15.	1.5	30.7	5.541	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	05/16/68-12/05/94	1	46.	46.	46.	46.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	5	207.	242.	385.	55.	20194.	142.106	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	5	8.2	8.9	11.3	7.4	2.975	1.725	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	5	7.2	7.04	7.5	6.3	0.218	0.467	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	5	7.2	6.811	7.5	6.3	0.283	0.532	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	5	0.063	0.154	0.501	0.032	0.039	0.197	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	11/28/79-06/26/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-06/26/91	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-06/26/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410p ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	5	27.	31.6	50.	9.	311.8	17.658	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	5	3.	4.2	9.	2.	8.7	2.95	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	5	0.05	0.052	0.09	0.01	0.001	0.03	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	5	0.3	0.3	0.4	0.2	0.005	0.071	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	5	0.53	0.504	0.68	0.19	0.041	0.203	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	5	0.1	0.088	0.14	0.03	0.002	0.043	**	**	**	**
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	5	40.	45.	90.	5.	1025.	32.016	**	**	**	**
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	5	1.602	1.502	1.954	0.699	0.234	0.484	**	**	**	**
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		31.777									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/77-09/19/91	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	12	14.	13.333	22.	6.	32.97	5.742	6.	8.	18.	21.4
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	4	887.5	908.	1800.	57.	703106.	838.514	**	**	**	**
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	4	2.52	2.275	3.58	0.48	2.057	1.434	**	**	**	**
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	12	4.65	4.675	13.	0.5	10.122	3.182	0.8	2.325	5.75	11.02
00080 COLOR (PLATINUM-COBALT UNITS)	05/16/68-12/05/94	10	43.	39.2	58.	21.	148.622	12.191	21.1	28.75	48.25	57.1
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	12	194.5	200.333	360.	101.	5254.788	72.49	101.3	152.	249.25	328.8
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	11	9.4	8.982	11.4	7.	1.418	1.191	7.18	7.9	9.6	11.06
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	12	7.05	7.083	7.6	6.7	0.107	0.327	6.7	6.8	7.375	7.6
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	12	7.047	6.985	7.6	6.7	0.117	0.343	6.7	6.8	7.375	7.6
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	12	0.09	0.103	0.2	0.025	0.004	0.064	0.025	0.042	0.158	0.2
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	12	27.	27.417	43.	15.	55.538	7.452	15.6	23.75	30.75	40.6
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	12	3.	3.75	9.	0.5	9.977	3.159	0.5	1.	7.5	8.7
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	12	0.075	0.084	0.16	0.02	0.002	0.043	0.026	0.053	0.118	0.157
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	12	0.35	0.333	0.7	0.1	0.024	0.156	0.13	0.2	0.4	0.61
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	12	0.475	0.474	0.8	0.21	0.019	0.139	0.246	0.433	0.518	0.728
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	12	0.075	0.078	0.13	0.03	0.001	0.028	0.036	0.055	0.098	0.124
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	12	36.	120.042	600.	0.5	30723.112	175.28	5.15	21.25	132.5	516.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	12	1.55	1.637	2.778	-0.301	0.62	0.788	0.151	1.325	2.12	2.696
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		43.368									
81647 REFERENCE POINT READING(LINEAR FEET)	10/23/78-10/21/92	4	41.48	41.725	43.52	40.42	2.057	1.434	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	11	12.	13.909	23.	3.	46.491	6.818	3.4	8.	20.	22.8
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	11	2.	3.673	6.8	0.5	6.688	2.586	0.66	1.5	6.6	6.78
00080 COLOR (PLATINUM-COBALT UNITS)	05/16/68-12/05/94	11	28.	31.	53.	12.	229.4	15.146	12.6	16.	44.	52.6
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	11	170.	196.545	357.	57.	14686.873	121.189	59.6	76.	330.	355.
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	11	8.7	8.8	11.1	6.9	2.414	1.554	6.94	7.4	10.4	11.06
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.3	7.2	7.5	6.6	0.078	0.279	6.66	7.	7.4	7.5
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	11	7.3	7.106	7.5	6.6	0.088	0.296	6.66	7.	7.4	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	11	0.05	0.078	0.251	0.032	0.004	0.065	0.032	0.04	0.1	0.226
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	10	29.	33.6	63.	12.	358.933	18.946	12.	16.5	55.75	62.5
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	11	4.	5.818	24.	1.	41.164	6.416	1.2	2.	7.	20.8
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	11	0.06	0.064	0.11	0.01	0.001	0.032	0.014	0.04	0.09	0.108
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	11	0.3	0.309	0.6	0.1	0.029	0.17	0.1	0.2	0.5	0.58
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	11	0.51	0.47	0.71	0.05	0.03	0.174	0.11	0.39	0.58	0.69
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	11	0.08	0.089	0.13	0.05	0.001	0.025	0.052	0.07	0.11	0.128
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	9.	16.	60.	0.5	348.95	18.68	0.5	1.	26.	55.8
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	0.954	0.826	1.778	-0.301	0.523	0.723	-0.301	0.	1.415	1.741
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		6.693									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	11	14.	14.273	22.	5.	27.018	5.198	5.8	9.	19.	21.6
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	11	4.9	6.527	16.	0.5	28.912	5.377	0.84	2.3	9.6	16.
00080 COLOR (PLATINUM-COBALT UNITS)	05/16/68-12/05/94	11	21.	19.545	29.	3.	58.073	7.621	5.2	15.	26.	28.6
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	11	116.	116.818	188.	36.	2722.764	52.18	39.4	69.	163.	185.2
00300p OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	11	9.1	8.827	10.2	7.2	0.844	0.919	7.24	8.4	9.5	10.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

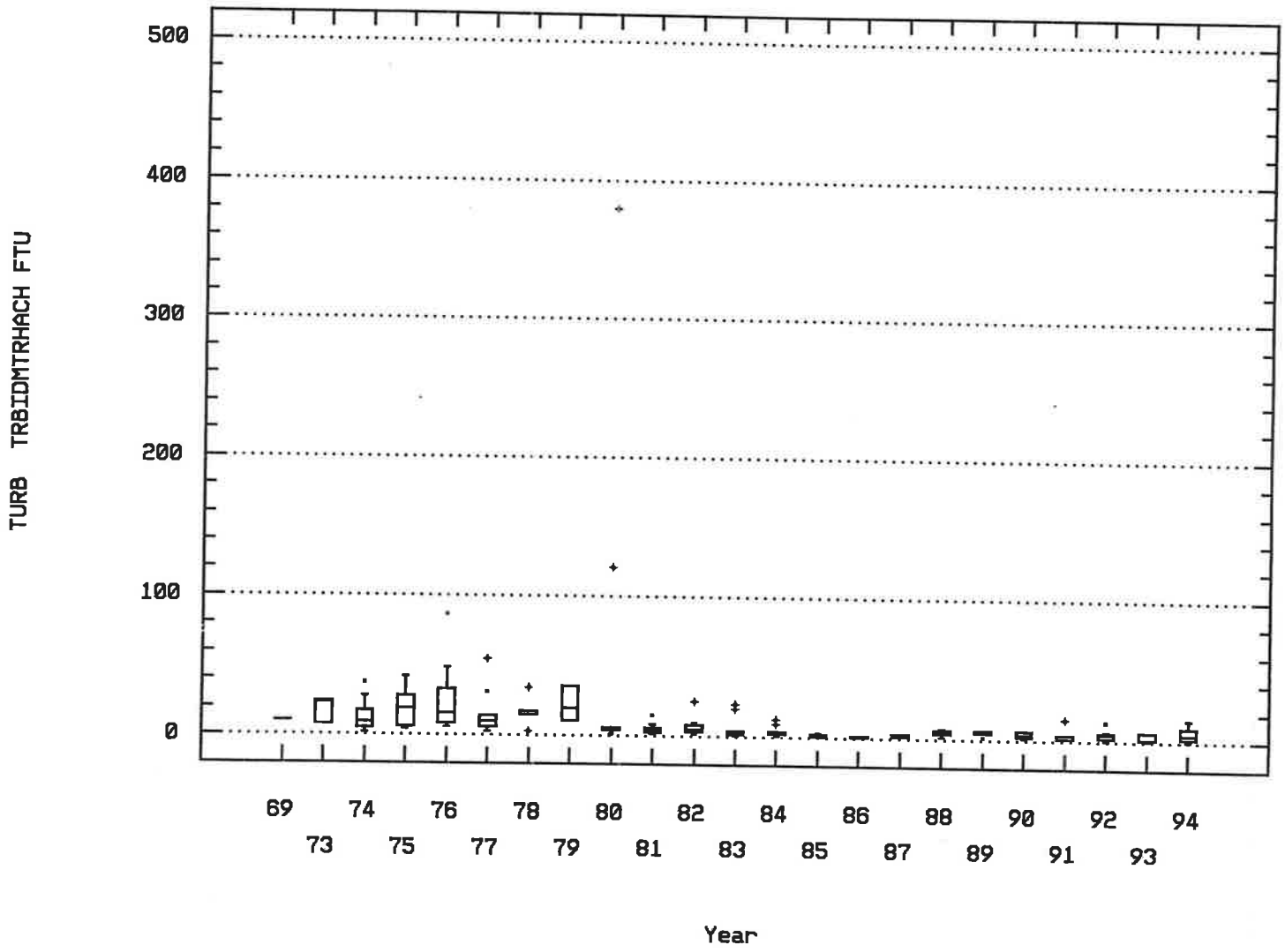
Annual Analysis for 1994 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p PH (STANDARD UNITS)	09/09/71-12/05/94	11	6.8	6.882	7.7	6.4	0.13	0.36	6.42	6.7	7.1	7.6
00400p CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	11	6.8	6.774	7.7	6.4	0.142	0.377	6.42	6.7	7.1	7.6
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	11	0.158	0.168	0.398	0.02	0.012	0.111	0.029	0.079	0.2	0.382
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	11	5.	7.136	16.	0.5	26.205	5.119	1.	4.	10.	16.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	11	0.07	0.075	0.2	0.03	0.002	0.048	0.03	0.03	0.1	0.18
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	11	0.3	0.327	0.6	0.2	0.014	0.119	0.2	0.2	0.4	0.56
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	11	0.38	0.362	0.46	0.12	0.01	0.1	0.152	0.3	0.45	0.458
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	11	0.05	0.055	0.09	0.02	0.001	0.023	0.022	0.03	0.07	0.09
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	12.	105.409	500.	0.5	31162.541	176.529	0.8	2.	140.	480.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	11	1.079	1.255	2.699	-0.301	0.964	0.982	-0.181	0.301	2.146	2.68
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		17.978									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GRSM0256 Parameter Code: 00076

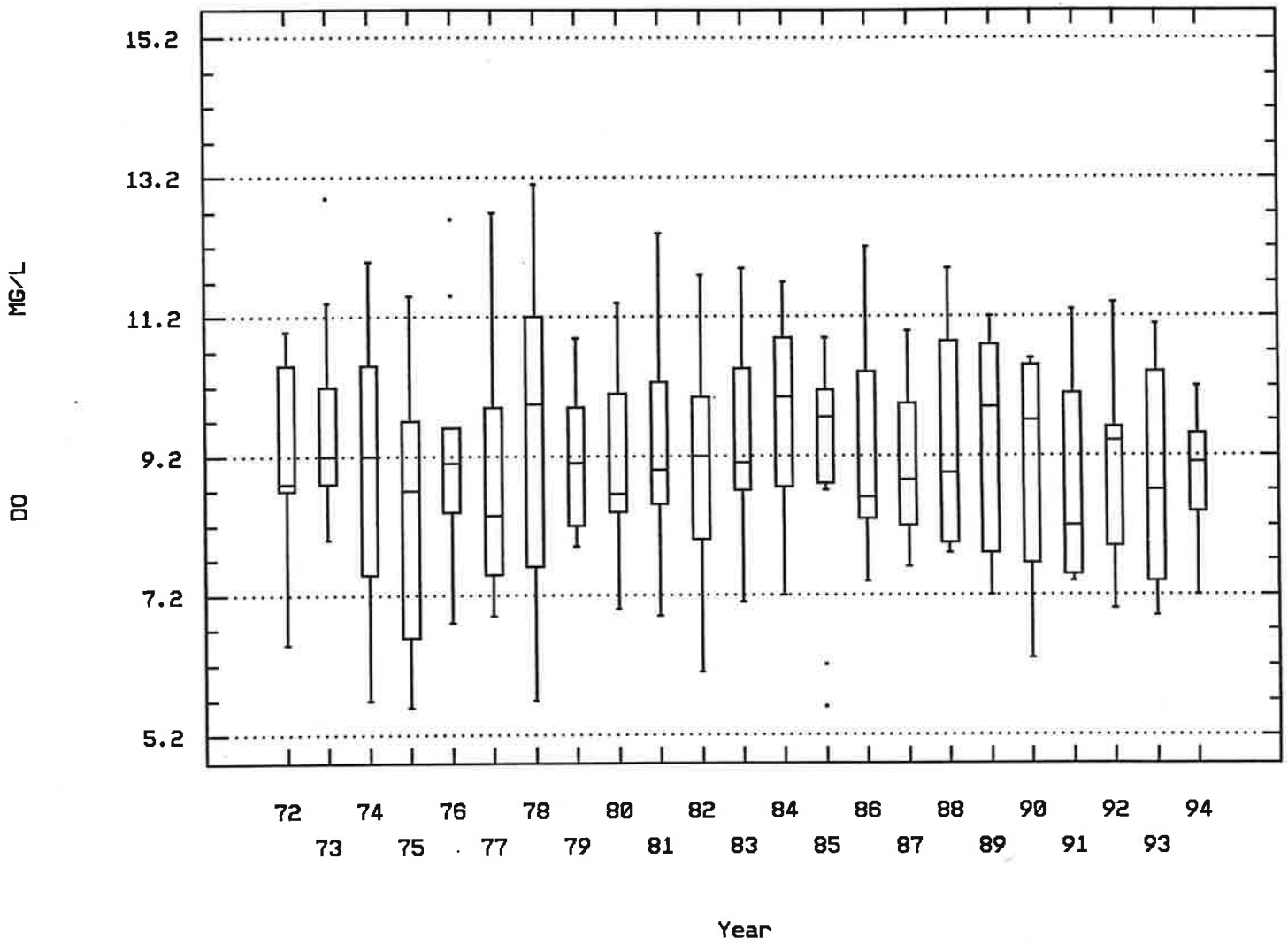
TURBIDITY,HACH TURBIDIMETER (FORMAZIN T



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00300

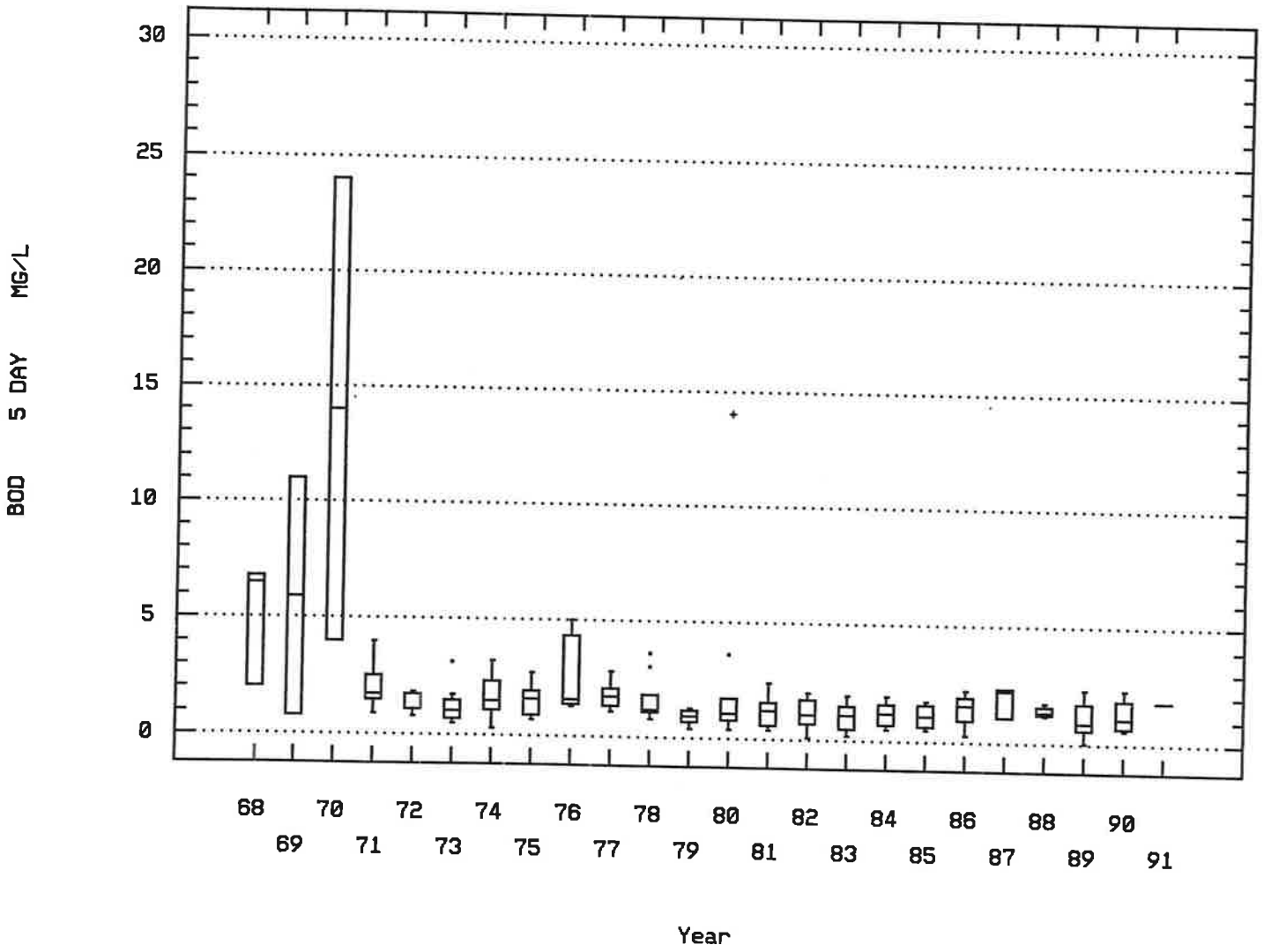
OXYGEN, DISSOLVED



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00310

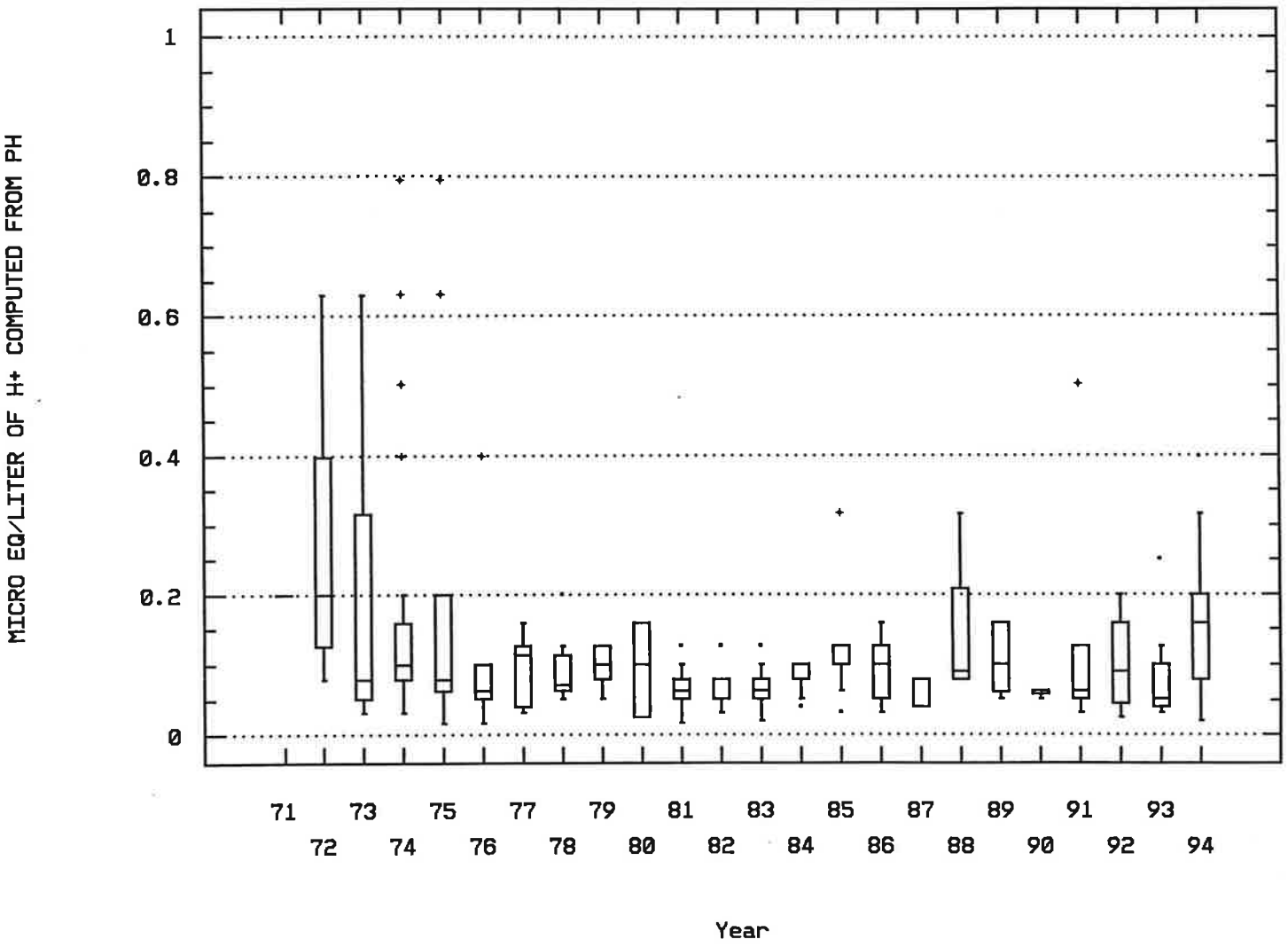
BOD, 5 DAY, 20 DEG C



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00400

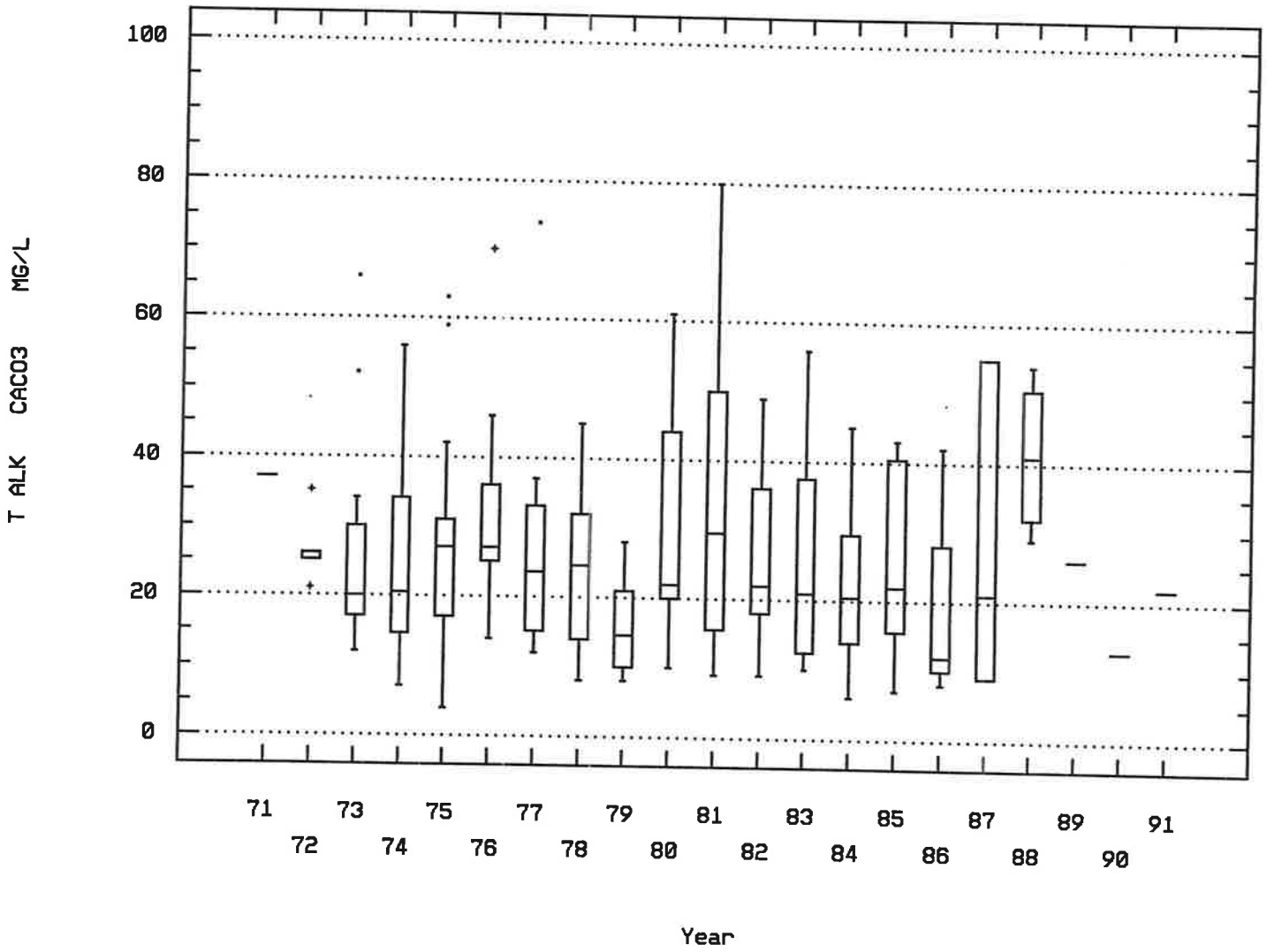
MICRO EQ/LITER OF H+ COMPUTED FROM PH



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00410

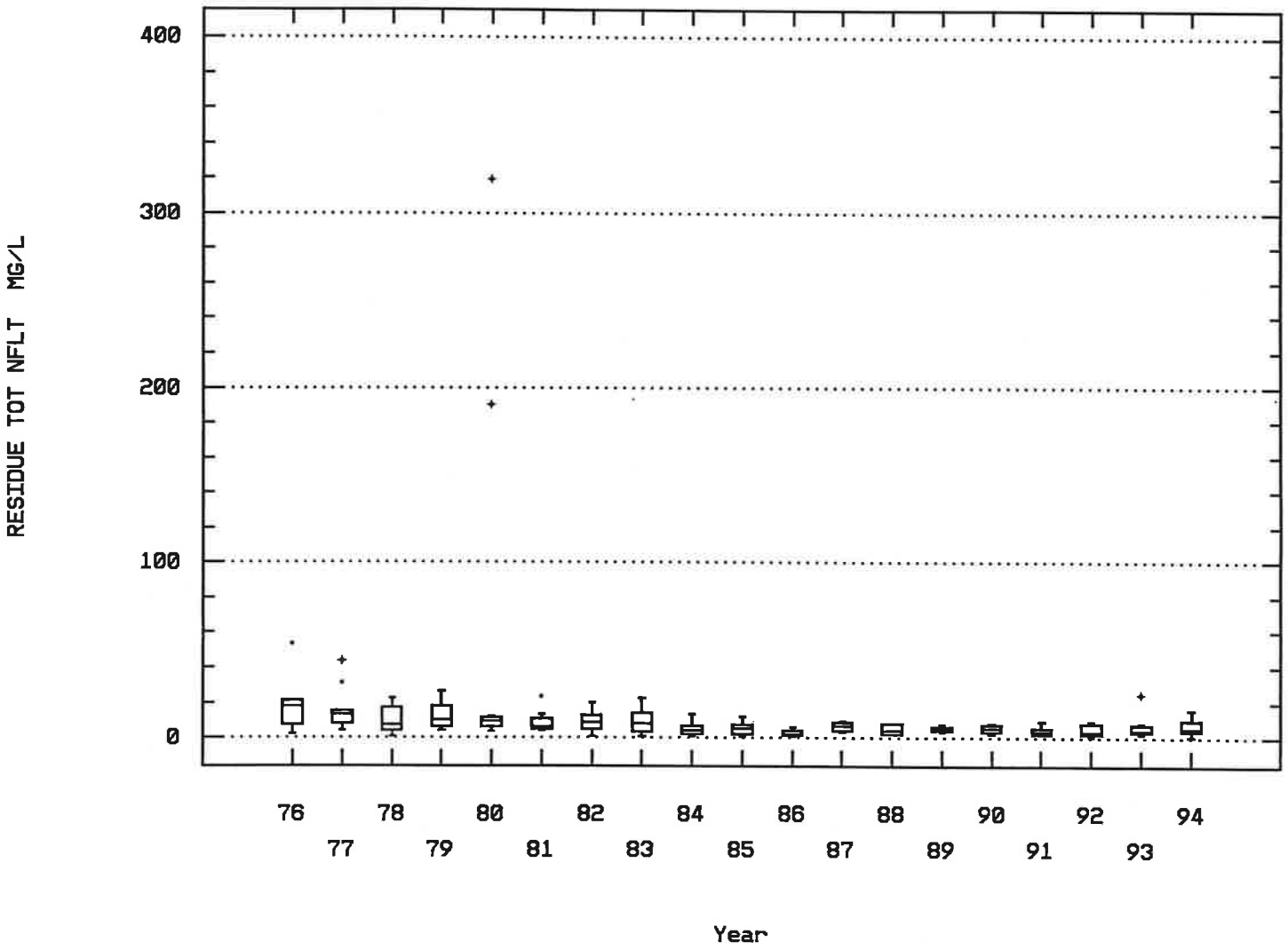
ALKALINITY, TOTAL (MG/L AS CACO3)



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00530

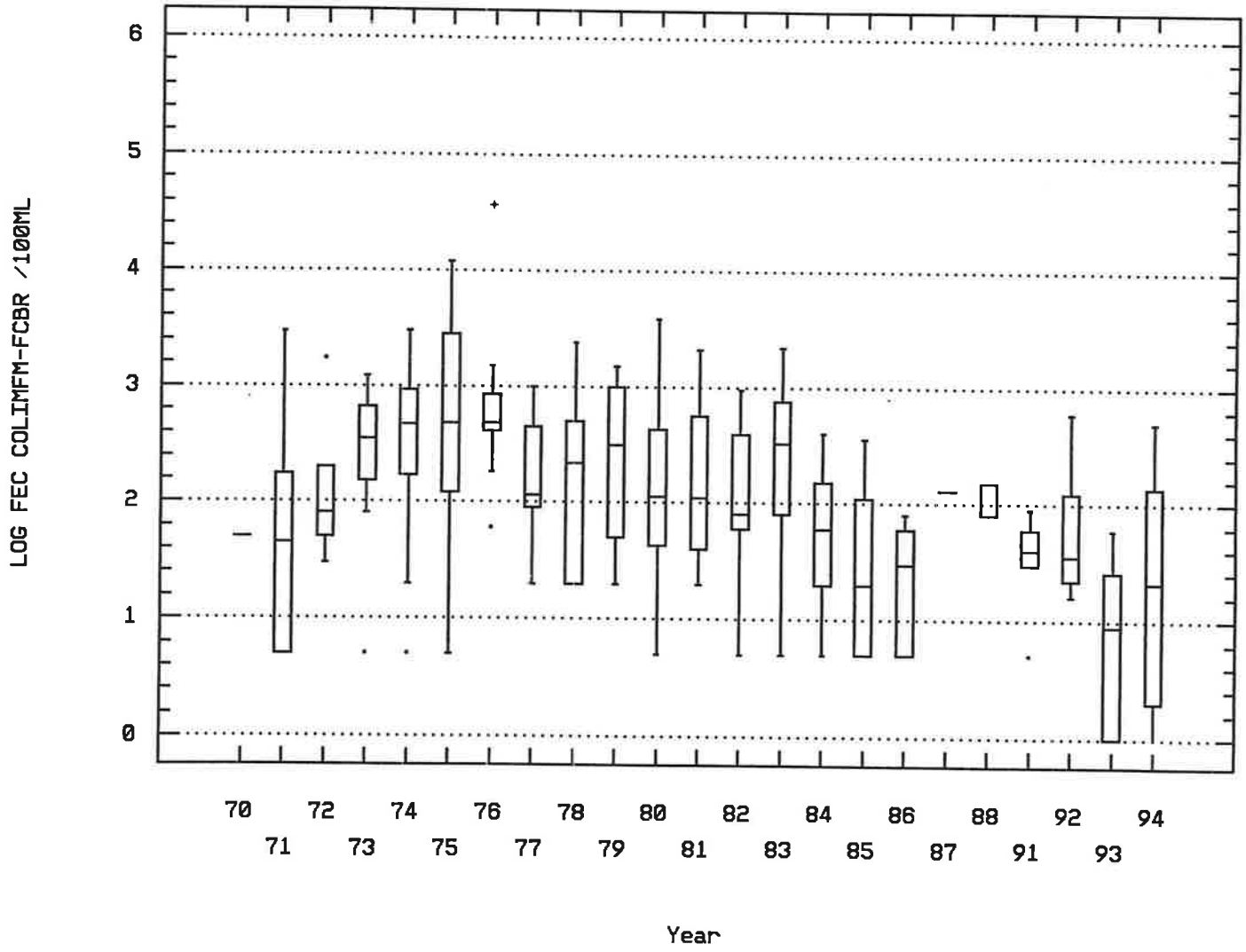
RESIDUE, TOTAL NONFILTRABLE (MG/L)



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



PIGEON RIVER AT WATERVILLE NC

Seasonal Analysis for Season #1: 10/01 to 3/31 - Station GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	02/24/83-12/05/94	28	150.	125.536	150.	30.	1980.258	44.5	40.	112.5	150.	150.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	120	9.	9.142	20.	2.	14.32	3.784	4.1	6.	11.75	15.
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	51	1830.	1815.176	6500.	30.	1618678.908	1272.273	102.2	900.	2400.	3568.
00064	DEPTH OF STREAM, MEAN (FT)	02/24/83-12/05/94	28	3.	2.946	3.	2.	0.043	0.208	2.95	3.	3.	3.
00065	STAGE, STREAM (FEET)	06/14/73-10/21/92	70	3.31	10.596	43.97	0.15	246.783	15.709	0.831	2.698	4.35	41.451
00076p	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	88	5.2	10.644	120.	0.5	294.694	17.167	1.5	3.	9.9	23.1
00080p	COLOR (PLATINUM-COBALT UNITS)	05/16/68-12/05/94	43	48.	64.093	240.	10.	2444.086	49.438	15.4	27.	84.	140.
00082	COLOR,SPECTROPHOTO,WATER SMPL AT7.6PH ADMI UNITS	11/12/86-12/05/94	22	53.5	69.136	310.	9.	4855.647	69.682	16.	21.75	96.25	172.
00083	COLOR,SPECTROPHTOMETRIC,FIL.WATER SPL ADMI UNITS	11/12/86-12/05/94	24	46.	65.375	300.	9.	4305.81	65.619	15.	24.25	89.75	160.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	55	182.	263.982	978.	45.	40038.907	200.097	75.4	125.	357.	554.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/04/74-12/14/89	34	150.5	221.324	670.	17.	38538.165	196.311	38.	46.5	312.75	595.
00300	OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	119	10.2	10.061	13.1	6.2	1.894	1.376	8.5	9.2	11.	11.7
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	49	88.	85.306	108.	48.	139.509	11.811	68.	77.	93.	99.
00310	BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	101	1.3	1.547	6.8	0.1	0.991	0.996	0.8	1.	1.7	2.46
00335	COD, .025N K2CR2O7 MG/L	10/18/73-12/11/84	27	24.	28.852	86.	5.	335.42	18.314	11.8	12.5	40.	56.2
00340	COD, .25N K2CR2O7 MG/L	10/18/68-08/04/81	52	20.5	25.173	76.	5.	250.567	15.829	11.	12.5	34.25	43.7
00400	PH (STANDARD UNITS)	09/09/71-12/05/94	109	7.1	7.048	7.8	6.	0.143	0.379	6.4	6.9	7.3	7.5
00400	CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	109	7.1	6.849	7.8	6.	0.183	0.428	6.4	6.9	7.3	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	109	0.079	0.142	1.	0.016	0.033	0.181	0.032	0.05	0.126	0.398
00403	PH, LAB, STANDARD UNITS SU	11/28/79-06/26/91	47	7.1	7.155	7.7	6.8	0.034	0.184	6.9	7.	7.3	7.4
00403	CONVERTED PH, LAB, STANDARD UNITS	11/28/79-06/26/91	47	7.1	7.119	7.7	6.8	0.035	0.188	6.9	7.	7.3	7.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-06/26/91	47	0.079	0.076	0.158	0.02	0.001	0.031	0.04	0.05	0.1	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	98	25.	28.929	80.	4.	237.407	15.408	13.	17.	37.25	50.1
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	44	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00431	ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	51	25.	29.588	76.	9.	264.287	16.257	12.2	16.	41.	50.8
00500	RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	68	175.	230.485	778.	49.	23726.522	154.034	87.7	120.	311.5	446.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	86	5.5	10.047	190.	0.5	437.727	20.922	1.	3.75	10.25	21.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	69	0.11	0.276	11.	0.01	1.722	1.312	0.03	0.07	0.155	0.2
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	72	0.35	0.39	1.3	0.05	0.055	0.234	0.2	0.2	0.5	0.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET, (MG/L AS N)	10/25/73-12/05/94	72	0.475	0.509	2.1	0.05	0.063	0.25	0.293	0.41	0.558	0.701
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	71	0.11	0.131	0.54	0.025	0.009	0.097	0.05	0.07	0.14	0.258
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	36	36.5	46.611	140.	13.	948.416	30.796	14.7	21.5	64.5	89.8
01002	ARSENIC, TOTAL (UG/L AS AS)	09/09/71-12/05/94	52##	5.	6.923	30.	5.	34.465	5.871	5.	5.	5.	17.
01027	CADMIUM, TOTAL (UG/L AS CD)	02/04/74-12/05/94	52##	1.	8.981	25.	1.	105.549	10.274	1.	1.	25.	25.
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/25/73-12/05/94	53##	12.5	17.029	25.	0.025	47.113	6.864	12.5	12.5	25.	25.
01037	COBALT, TOTAL (UG/L AS CO)	02/04/74-09/17/81	12##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01042	COPPER, TOTAL (UG/L AS CU)	02/04/74-12/05/94	52##	5.	9.769	60.	1.	122.181	11.054	1.	1.25	20.	20.
01045	IRON, TOTAL (UG/L AS FE)	10/25/73-12/05/94	32	315.	636.	6800.	25.	1346391.677	1160.341	106.4	250.	740.	870.
01051	LEAD, TOTAL (UG/L AS PB)	02/04/74-12/05/94	52##	15.	32.827	400.	5.	3242.028	56.939	5.	5.	50.	50.
01055	MANGANESE, TOTAL (UG/L AS MN)	02/04/74-10/25/93	18	75.	96.833	310.	5.	6392.029	79.95	5.	41.75	170.	211.
01067	NICKEL, TOTAL (UG/L AS NI)	05/26/76-12/05/94	41##	5.	19.39	50.	5.	363.994	19.079	5.	5.	37.5	50.
01092	ZINC, TOTAL (UG/L AS ZN)	02/04/74-12/05/94	52##	5.	17.865	250.	4.	1337.57	36.573	5.	5.	25.	25.
01105	ALUMINUM, TOTAL (UG/L AS AL)	08/29/83-12/05/94	23	150.	188.783	540.	25.	21267.905	145.835	25.	84.	260.	476.
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	116	185.	604.401	12000.	0.5	2135791.697	1461.435	10.	40.5	555.	1220.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	116	2.267	2.154	4.079	-0.301	0.747	0.865	1.	1.607	2.744	3.082
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	142.617								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/77-09/19/91	39	0.07	0.097	0.27	0.025	0.005	0.073	0.025	0.05	0.14	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	07/09/70-12/05/94	55##	0.1	0.17	1.1	0.1	0.023	0.153	0.1	0.1	0.25	0.25
81647	REFERENCE POINT READING(LINEAR FEET)	10/23/78-10/21/92	46	40.77	41.16	44.17	38.33	1.797	1.34	39.776	40.302	41.8	43.565

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0256

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00004	STREAM WIDTH (FEET)	02/24/83-12/05/94	28	150.	112.857	150.	10.	3074.868	55.451	24.5	42.5	150.	150.
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/71-12/05/94	130	19.	18.642	25.	8.	14.144	3.761	14.	16.	22.	23.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

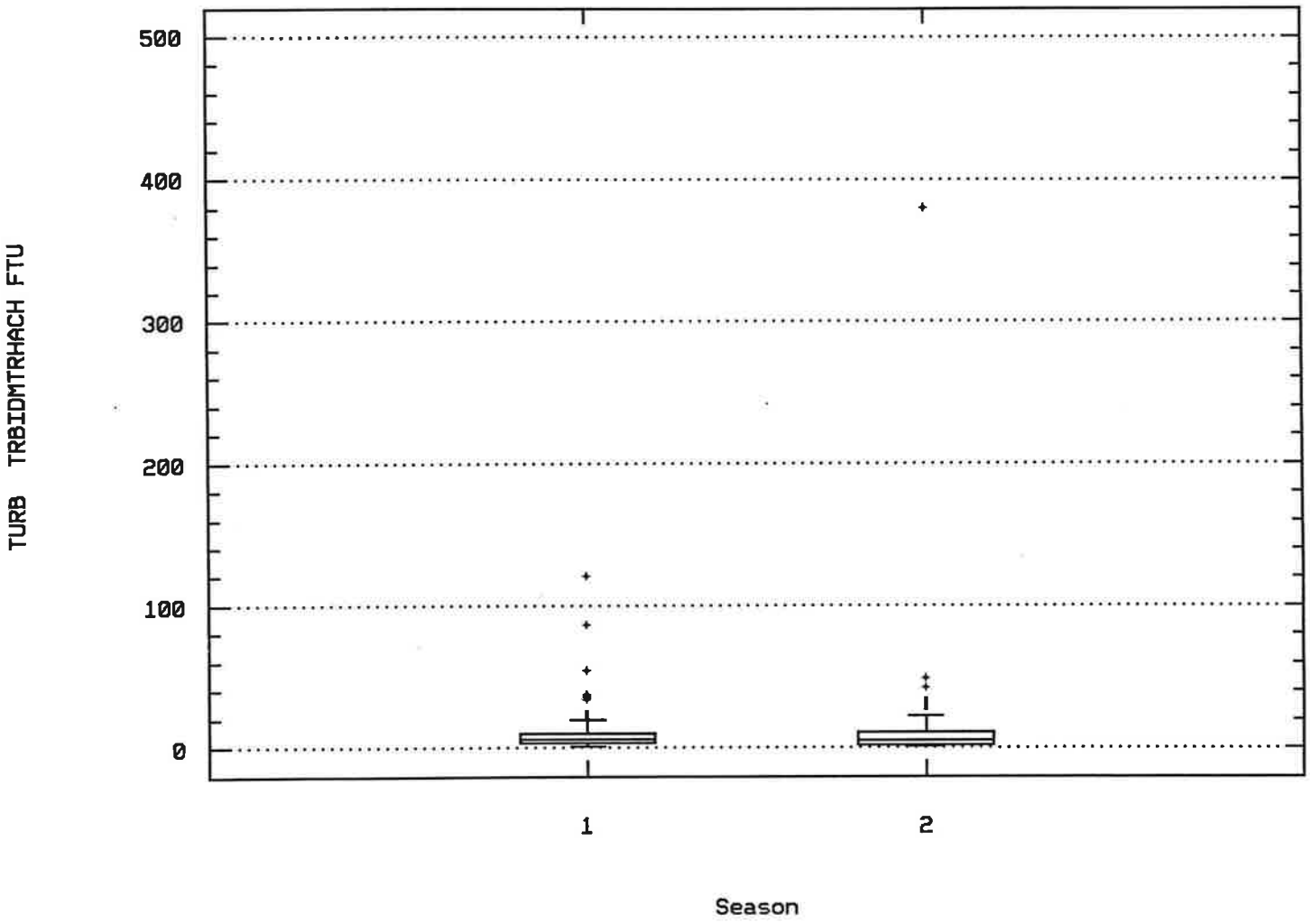
Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0256

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/07/75-10/21/92	51	1430.	1409.955	8000.	0.7	2227837.428	1492.594	36.6	86.	2300.	3282.
00064 DEPTH OF STREAM, MEAN (FT)	02/24/83-12/05/94	28	3.	2.714	3.	0.5	0.563	0.751	0.95	3.	3.	3.
00065 STAGE, STREAM (FEET)	06/14/73-10/21/92	66	3.35	74.469	4331.	0.02	283238.677	532.202	0.276	0.888	4.065	40.843
00076p TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	05/05/69-12/05/94	95	5.	12.243	380.	0.5	1542.32	39.272	1.24	2.	11.	24.
00080p COLOR (PLATINUM-COBALT UNITS)	05/16/68-12/05/94	45	43.	48.378	130.	3.	1531.831	39.139	8.6	17.	63.	123.2
00082 COLOR,SPECTROPHOTO,WATER SMPL AT7.6PH ADMI UNITS	11/12/86-12/05/94	21	37.	42.952	91.	3.	697.948	26.419	5.2	20.5	64.5	83.
00083 COLOR,SPECTROPHTOMETRIC,FIL,WATER SPL ADMI UNITS	11/12/86-12/05/94	21	38.	42.762	89.	2.	686.99	26.211	5.2	20.	63.5	83.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/28/81-12/05/94	59	175.	242.542	900.	24.	47962.839	219.004	37.	73.	350.	628.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/04/74-12/14/89	41	150.	209.439	1000.	21.	38714.102	196.759	38.4	51.	290.5	493.
00300 OXYGEN, DISSOLVED MG/L	04/06/72-12/05/94	128	8.45	8.294	11.1	5.6	1.335	1.155	6.79	7.5	9.	9.72
00301 OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/09/71-09/19/85	64	90.	88.047	111.	64.	98.395	9.919	73.	80.25	95.	98.5
00310 BOD, 5 DAY, 20 DEG C MG/L	07/02/68-06/26/91	109	1.2	1.792	24.	0.05	7.682	2.772	0.5	0.8	1.8	2.7
00335 COD, .025N K2CR2O7 MG/L	10/18/73-12/11/84	23	14.	15.043	50.	2.5	160.18	12.656	2.5	5.	22.	33.6
00340 COD, .25N K2CR2O7 MG/L	10/18/68-08/04/81	48	19.5	23.156	110.	5.	361.002	19.	5.	12.5	27.75	42.2
00400 PH (STANDARD UNITS)	09/09/71-12/05/94	124	7.1	7.036	7.8	6.1	0.083	0.287	6.7	6.9	7.2	7.4
00400 CONVERTED PH (STANDARD UNITS)	09/09/71-12/05/94	124	7.1	6.93	7.8	6.1	0.094	0.307	6.7	6.9	7.2	7.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/71-12/05/94	124	0.079	0.118	0.794	0.016	0.012	0.109	0.04	0.063	0.126	0.2
00403 PH, LAB, STANDARD UNITS SU	11/28/79-06/26/91	48	7.1	7.092	7.5	6.7	0.031	0.175	6.89	7.	7.2	7.3
00403 CONVERTED PH, LAB, STANDARD UNITS	11/28/79-06/26/91	48	7.1	7.058	7.5	6.7	0.032	0.178	6.89	7.	7.2	7.3
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/28/79-06/26/91	48	0.079	0.087	0.2	0.032	0.001	0.035	0.05	0.063	0.1	0.129
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	09/09/71-06/26/91	104	21.	23.625	70.	6.	183.441	13.544	9.	12.25	30.75	42.
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	09/09/71-08/31/87	47	0.	0.936	44.	0.	41.191	6.418	0.	0.	0.	0.
00431 ALKALINITY TOATL FIELD, (MG/L AS CACO3)	06/27/80-10/25/93	55	24.	26.818	67.	5.	269.485	16.416	8.6	13.	40.	55.4
00500 RESIDUE, TOTAL (MG/L)	05/26/76-01/22/92	73	168.	205.082	779.	34.	27343.715	165.359	47.8	66.	289.	430.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/26/76-12/05/94	91	6.	10.797	319.	0.5	1120.278	33.471	1.	3.	10.	14.8
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/04/74-12/05/94	75	0.06	0.08	0.79	0.01	0.009	0.093	0.025	0.04	0.1	0.134
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/25/73-12/05/94	77	0.3	0.319	1.2	0.05	0.031	0.176	0.1	0.2	0.4	0.5
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/25/73-12/05/94	76	0.4	0.453	1.2	0.11	0.046	0.214	0.24	0.333	0.528	0.8
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/25/73-12/05/94	76	0.08	0.096	0.3	0.02	0.004	0.065	0.025	0.043	0.12	0.183
00900 HARDNESS, TOTAL (MG/L AS CACO3)	02/24/83-12/05/94	36	32.	41.361	140.	8.	1147.894	33.881	11.	18.	46.	101.6
01002 ARSENIC, TOTAL (UG/L AS AS)	09/09/71-12/05/94	56##	5.	7.589	80.	5.	116.356	10.787	5.	5.	5.	10.
01027 CADMIUM, TOTAL (UG/L AS CD)	02/04/74-12/05/94	51##	1.	9.431	25.	1.	111.29	10.549	1.	1.	25.	25.
01034 CHROMIUM, TOTAL (UG/L AS CR)	10/25/73-12/05/94	51##	12.5	17.647	25.	12.5	38.603	6.213	12.5	12.5	25.	25.
01037 COBALT, TOTAL (UG/L AS CO)	02/04/74-09/17/81	13##	50.	53.846	100.	50.	192.308	13.868	50.	50.	50.	80.
01042 COPPER, TOTAL (UG/L AS CU)	02/04/74-12/05/94	51##	5.	86.471	3900.	1.	296830.974	544.822	1.	2.	20.	20.
01045 IRON, TOTAL (UG/L AS FE)	10/25/73-12/05/94	32	295.	366.406	1300.	25.	89113.281	298.518	93.	130.	500.	888.
01051 LEAD, TOTAL (UG/L AS PB)	02/04/74-12/05/94	51##	21.	25.569	50.	5.	457.37	21.386	5.	5.	50.	50.
01055 MANGANESE, TOTAL (UG/L AS MN)	02/04/74-10/25/93	23	50.	79.043	250.	15.	4568.771	67.593	19.8	25.	120.	190.
01067 NICKEL, TOTAL (UG/L AS NI)	05/26/76-12/05/94	41##	5.	28.878	400.	5.	3887.36	62.349	5.	5.	50.	50.
01092 ZINC, TOTAL (UG/L AS ZN)	02/04/74-12/05/94	51##	5.	208.882	10000.	5.	1955800.626	1398.499	5.	5.	25.	25.
01105 ALUMINUM, TOTAL (UG/L AS AL)	08/29/83-12/05/94	23	120.	268.	1100.	25.	98759.364	314.26	25.	70.	430.	908.
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	125	60.	617.044	36000.	0.5	10778154.823	3283.01	5.	18.	355.	848.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/09/70-12/05/94	125	1.778	1.835	4.556	-0.301	0.729	0.854	0.699	1.253	2.55	2.927
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	68.383								
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/77-09/19/91	48	0.03	0.064	0.26	0.01	0.003	0.058	0.019	0.025	0.1	0.151
71900 MERCURY, TOTAL (UG/L AS HG)	07/09/70-12/05/94	52##	0.1	0.2	1.7	0.1	0.073	0.27	0.1	0.1	0.25	0.25
81647 REFERENCE POINT READING(LINEAR FEET)	10/23/78-10/21/92	50	41.725	61.563	1030.	37.45	19533.337	139.762	40.024	40.468	43.543	43.879

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: GRSM0256 Parameter Code: 00076

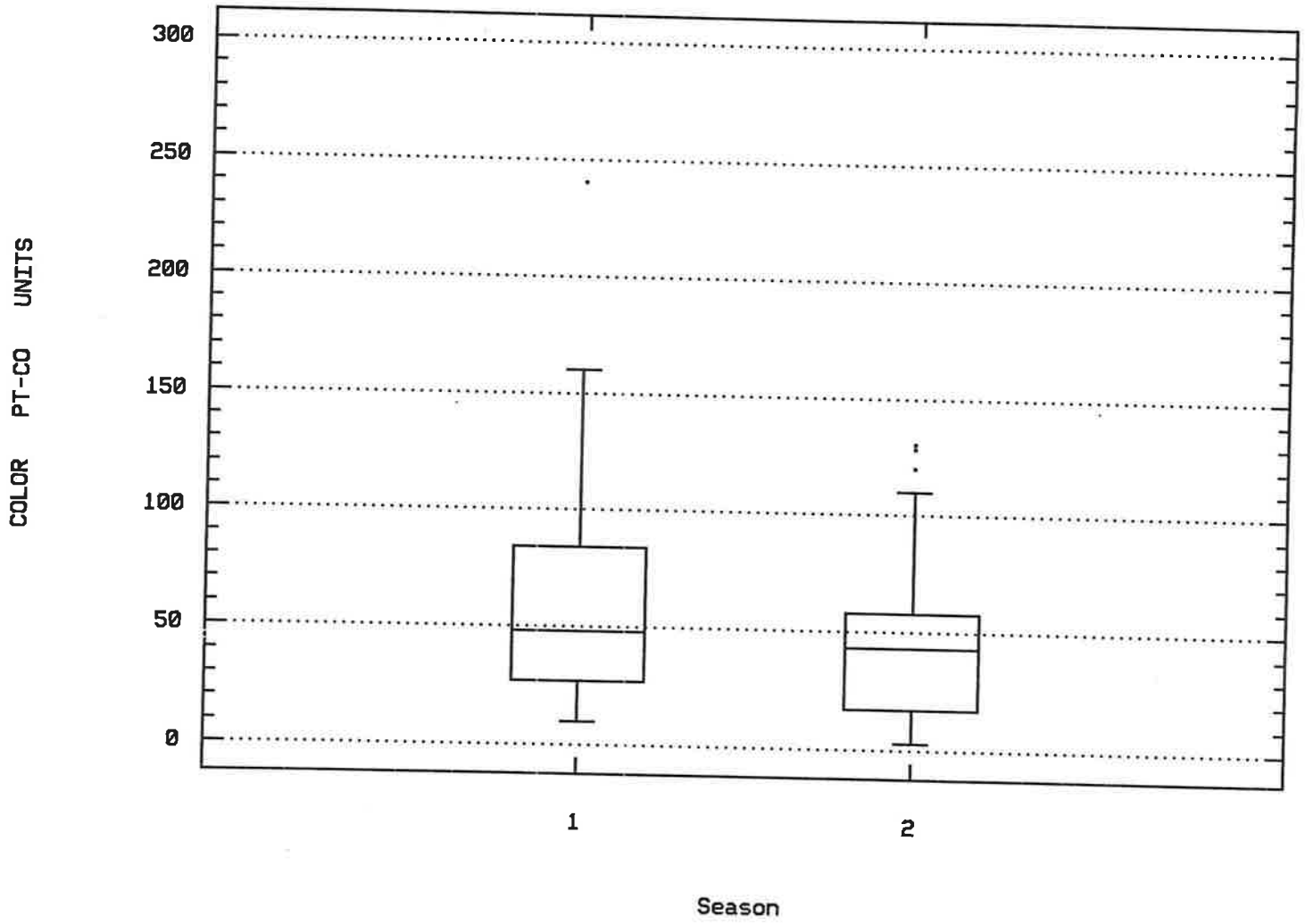
TURBIDITY,HACH TURBIDIMETER (FORMAZIN T



PIGEON RIVER AT WATERVILLE NC

Station: GRSM0256 Parameter Code: 00080

COLOR (PLATINUM-COBALT UNITS)



PIGEON RIVER AT WATERVILLE NC

Station Inventory for Station: GRSM0257

NPS Station ID: GRSM0257 LAT/LON: 35.785281/ -83.113337 Agency: 11EPALES Date Created: / /
Location: WATERVILLE RESERVOIR FIPS State/County: 37087 NORTH CAROLINA/HAYWOOD
Station Type: /TYPA/AMBNT/LAKE STORET Station ID(s): 371802
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 35 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106009 RF1 Mile Point: 11.470 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106000912.15 RF3 Mile Point: 12.15 Distance from RF3: 0.02 On/Off RF3:
Description:

JUST OUTSIDE STREAM (COVE AREA) ON S SHORE. FLOATING DEBRIS (GARBAGE, BOTTLES, CANS, ETC); 1% LIGHT AT 3.5 FT, 6% SITE 1; DEPTH 34 FT. 9-20 ULE 22; WATER LIKE SITE 1; INTEGRATE 10 FT.

COMMENTS: 3-24 ULE 21, COLOR AND CONDITIONS SAME AS SITE 1, MUCH LIGHT AT 1 FT. 7-5 ULE 18, WATER BROWNISH IN COLOR, MORE TURBID THAN

Parameter Inventory for Station: GRSM0257

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/24/73-09/20/73	12	21.6	19.133	26.6	9.9	41.628	6.452	10.14	11.15	24.325	26.48
00074 TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION		03/24/73-09/20/73	12	70.5	64.167	84.	9.	402.515	20.063	21.3	55.5	74.25	83.4
00077 TRANSPARENCY, SECCHI DISC (INCHES)		03/24/73-09/20/73	3	30.	30.	36.	24.	36.	6.	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		09/20/73-09/20/73	4	731.	727.75	735.	714.	93.583	9.674	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/24/73-07/05/73	8	282.5	286.875	450.	140.	20528.125	143.276	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	03/24/73-09/20/73	10	4.7	5.52	10.	1.8	11.528	3.395	1.82	2.45	10.	10.
00400 PH (STANDARD UNITS)		03/24/73-09/20/73	12	7.45	7.283	7.7	6.8	0.116	0.341	6.8	6.925	7.5	7.7
00400 CONVERTED PH (STANDARD UNITS)		03/24/73-09/20/73	12	7.447	7.161	7.7	6.8	0.132	0.364	6.8	6.925	7.5	7.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/24/73-09/20/73	12	0.036	0.069	0.158	0.02	0.003	0.054	0.02	0.032	0.119	0.158
00410 ALKALINITY, TOTAL (MG/L AS CACO3)		03/24/73-09/20/73	12	34.	36.75	64.	12.	410.932	20.271	12.3	17.	61.	63.7
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		03/24/73-09/20/73	12	0.17	0.36	0.84	0.11	0.092	0.304	0.113	0.133	0.72	0.837
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)		03/24/73-09/20/73	12	0.55	1.033	2.4	0.4	0.642	0.802	0.4	0.4	2.	2.31
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		03/24/73-09/20/73	12	0.63	0.669	0.87	0.51	0.011	0.105	0.54	0.61	0.742	0.861
00665 PHOSPHORUS, TOTAL (MG/L AS P)		03/24/73-09/20/73	12	0.129	0.129	0.244	0.084	0.002	0.041	0.086	0.102	0.135	0.214
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)		03/24/73-09/20/73	12	0.05	0.055	0.082	0.04	0.	0.014	0.041	0.047	0.069	0.08
32217 CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED		03/24/73-09/20/73	3	2.4	1.967	3.2	0.3	2.243	1.498	**	**	**	**
72025 DEPTH OF POND OR RESERVOIR IN FEET		03/24/73-09/20/73	3	34.	34.	35.	33.	1.	1.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0257

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	10	5	0.50	3	0	0.00	7	5	0.71						
00400 PH	Other-Hi Lim.	9.	12	0	0.00	4	0	0.00	8	0	0.00						
	Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00	8	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	0	0.00	4	0	0.00	8	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0258

NPS Station ID: GRSM0258 LAT/LON: 35.785837/ -83.113893 Agency: 131TVAC Date Created: / /
Location: BELOW TOBES CREEK - 1.1 MILES NW OF WATERVILLE
FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 475421 /5554
RMI-Indexes: 1021500 007720 00920 9300 2520
RMI-Miles: 0953.80 0046.50 652.10 073.80 024.80
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: PIGEON RIVER 24.8 ECO Region:
RF1 Index: 06010106009 RF1 Mile Point: 11.470 Distance from RF1: 0.10 On/Off RF1: OFF
RF3 Index: 06010107002501.22 RF3 Mile Point: 1.44 Distance from RF3: 0.02 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0258

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		01/07/65-09/06/83	11	19.6	17.027	23.	3.5	40.146	6.336	4.48	14.4	22.5	22.9
00061 FLOW, STREAM, INSTANTANEOUS	CFS	01/07/65-11/03/71	9	430.	658.889	2350.	105.	610929.861	781.62	105.	147.5	1030.	2350.
00070 TURBIDITY, (JACKSON CANDLE UNITS)		01/07/65-11/03/71	9	50.	47.222	125.	10.	1138.194	33.737	10.	22.5	55.	125.
00080 COLOR (PLATINUM-COBALT UNITS)		01/07/65-09/06/83	11	100.	93.091	140.	40.	1681.091	41.001	40.8	50.	140.	140.
00081 COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS		11/03/71-09/06/83	3	80.	96.667	140.	70.	1433.333	37.859	**	**	**	**
00085 ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)		01/07/65-11/03/71	9	2.	3.	8.	0.5	6.188	2.487	0.5	0.75	4.5	8.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		05/12/83-09/06/83	2	443.5	443.5	671.	216.	103512.5	321.734	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	01/07/65-09/06/83	11	7.2	7.291	9.	5.3	1.787	1.337	5.34	6.3	8.6	8.96
00303 BOD, 1DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00304 BOD, 2 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	0.85	0.85	0.9	0.8	0.005	0.071	**	**	**	**
00305 BOD, 3 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00306 BOD, 4 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	1.4	1.4	1.6	1.2	0.08	0.283	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	01/07/65-09/06/83	11	4.5	5.109	10.	1.3	9.933	3.152	1.38	2.	9.	9.96
00312 BOD, 6 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00315 BOD, 7 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	1.9	1.9	2.1	1.7	0.08	0.283	**	**	**	**
00316 BOD, 8 DAY, 20 DEG C	MG/L	09/06/83-09/06/83	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00317 BOD, 9 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	2.45	2.45	2.5	2.4	0.005	0.071	**	**	**	**
00322 BOD, 10 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	2.55	2.55	2.6	2.5	0.005	0.071	**	**	**	**
00326 BOD, 28 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	5.15	5.15	5.9	4.4	1.125	1.061	**	**	**	**
00328 BOD, 12 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	2.75	2.75	2.8	2.7	0.005	0.071	**	**	**	**
00331 BOD, 16 DAY, 20 DEG C	MG/L	09/06/83-09/06/83	1	3.5	3.5	3.5	3.5	0.	0.	**	**	**	**
00332 BOD, 17 DAYS, 20 DEG C	MG/L	05/12/83-05/12/83	1	3.9	3.9	3.9	3.9	0.	0.	**	**	**	**
00334 BOD, 19 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	4.1	4.1	4.3	3.9	0.08	0.283	**	**	**	**
00337 BOD, 23 DAY, 20 DEG C	MG/L	09/06/83-09/06/83	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00338 BOD, 24 DAY, 20 DEG C	MG/L	05/12/83-05/12/83	1	5.3	5.3	5.3	5.3	0.	0.	**	**	**	**
00346 BOD, 26 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	5.	5.	5.7	4.3	0.98	0.99	**	**	**	**
00349 BOD, 30 DAY, 20 DEG C	MG/L	09/06/83-09/06/83	1	4.6	4.6	4.6	4.6	0.	0.	**	**	**	**
00350 BOD, 14 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	3.3	3.3	3.5	3.1	0.08	0.283	**	**	**	**
00351 BOD, 21 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	4.1	4.1	4.3	3.9	0.08	0.283	**	**	**	**
00352 BOD, 35 DAY, 20 DEG C	MG/L	05/12/83-05/12/83	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00353 BOD, 42 DAY, 20 DEG C	MG/L	05/12/83-05/12/83	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00354 BOD, 49 DAY, 20 DEG C	MG	05/12/83-05/12/83	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00355 BOD, 56 DAY, 20 DEG C	MG/L	05/12/83-05/12/83	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00356 BOD, 63 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	7.45	7.45	7.7	7.2	0.125	0.354	**	**	**	**
00357 BOD, 70 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	7.6	7.6	7.8	7.4	0.08	0.283	**	**	**	**
00358 BOD, 77 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	7.7	7.7	7.8	7.6	0.02	0.141	**	**	**	**
00361 BOD, 98 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	8.25	8.25	8.4	8.1	0.045	0.212	**	**	**	**
00362 BOD, 40 DAY, 20 DEG C	MG/L	05/12/83-09/06/83	2	6.3	6.3	6.9	5.7	0.72	0.849	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0258

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00364 BOD, 100 DAY, 20 DEG C MG/L	05/12/83-09/06/83	2	8.25	8.25	8.4	8.1	0.045	0.212	**	**	**	**
00400 PH (STANDARD UNITS)	01/07/65-09/06/83	11	6.9	6.874	7.2	6.4	0.042	0.206	6.46	6.8	7.	7.162
00400 CONVERTED PH (STANDARD UNITS)	01/07/65-09/06/83	11	6.9	6.823	7.2	6.4	0.045	0.213	6.46	6.8	7.	7.162
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/07/65-09/06/83	11	0.126	0.15	0.398	0.063	0.008	0.09	0.07	0.1	0.158	0.358
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	01/07/65-10/26/65	8	25.	27.75	48.	14.	154.786	12.441	**	**	**	**
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	01/07/65-10/26/65	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	01/07/65-10/26/65	8	170.	227.5	410.	100.	13792.857	117.443	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	01/07/65-11/03/71	9	140.	206.667	410.	100.	13500.	116.19	100.	130.	330.	410.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	11/03/71-11/03/71	1	90.	90.	90.	90.	0.	0.	**	**	**	**
00607 NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	05/12/83-05/12/83	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/12/83-05/12/83	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/12/83-05/12/83	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	05/12/83-05/12/83	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/12/83-05/12/83	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00916 CALCIUM, TOTAL (MG/L AS CA)	11/03/71-11/03/71	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00927 MAGNESIUM, TOTAL (MG/L AS MG)	11/03/71-11/03/71	1	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00940 CHLORIDE,TOTAL IN WATER MG/L	01/07/65-10/26/65	8	37.5	55.25	110.	25.	1090.786	33.027	**	**	**	**
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	11/03/71-11/03/71	1	12000.	12000.	12000.	12000.	0.	0.	**	**	**	**
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	11/03/71-11/03/71	1	4.079	4.079	4.079	4.079	0.	0.	**	**	**	**
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3			GEOMETRIC MEAN =	12000.								
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	01/07/65-10/26/65	8	62000.	497150.	2400000.	6200.	681696922857.143	825649.395	**	**	**	**
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	01/07/65-10/26/65	8	4.792	5.006	6.38	3.792	0.856	0.925	**	**	**	**
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506			GEOMETRIC MEAN =	101311.722								
31615 FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/07/65-10/26/65	8	22700.	188125.	1100000.	1100.	142571596428.571	377586.542	**	**	**	**
31615 LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	01/07/65-10/26/65	8	4.265	4.398	6.041	3.041	1.081	1.04	**	**	**	**
31615 GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)			GEOMETRIC MEAN =	25031.818								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/03/71-11/03/71	1	6800.	6800.	6800.	6800.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/03/71-11/03/71	1	3.833	3.833	3.833	3.833	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	6800.								
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	11/03/71-11/03/71	1	53.	53.	53.	53.	0.	0.	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/12/83-09/06/83	2	290.	290.	430.	150.	39200.	197.99	**	**	**	**
81253 BOD, 31 DAY, 20 DEG C MG/L	05/12/83-05/12/83	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**	**
81255 BOD, 33 DAY, 20 DEG C MG/L	05/12/83-05/12/83	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
81257 BOD, 36 DAY, 20 DEG C MG/L	09/06/83-09/06/83	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
81259 BOD, 38 DAY, 20 DEG C MG/L	05/12/83-05/12/83	1	6.7	6.7	6.7	6.7	0.	0.	**	**	**	**
81264 BOD, 45 DAY, 20 DEG C MG/L	05/12/83-05/12/83	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
81266 BOD, 47 DAY, 20 DEG C MG/L	05/12/83-09/06/83	2	6.6	6.6	7.1	6.1	0.5	0.707	**	**	**	**
81268 BOD, 51 DAY, 20 DEG C MG/L	09/06/83-09/06/83	1	6.5	6.5	6.5	6.5	0.	0.	**	**	**	**
81269 BOD, 52 DAY, 20 DEG C MG/L	05/12/83-05/12/83	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
81270 BOD, 53 DAY, 20 DEG C MG/L	05/12/83-05/12/83	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
81271 BOD, 54 DAY, 20 DEG C MG/L	09/06/83-09/06/83	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
81275 BOD, 59 DAY, 20 DEG C MG/L	05/12/83-09/06/83	2	7.3	7.3	7.6	7.	0.18	0.424	**	**	**	**
81276 BOD, 60 DAY, 20 DEG C MG/L	05/12/83-05/12/83	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0258

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	9	5	0.56	4	3	0.75	5	2	0.40						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	11	0	0.00	4	0	0.00	7	0	0.00						
00400 PH	Other-Hi Lim.	9.	11	0	0.00	4	0	0.00	7	0	0.00						
	Other-Lo Lim.	6.5	11	1	0.09	4	1	0.25	7	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	3	0	0.00	5	0	0.00						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED,	Other-Hi Lim.	1000.	1	1	1.00	1	1	1.00									
31505 COLIFORM, TOTAL, MPN, CONF, TEST, 35C	Other-Hi Lim.	1000.	8	8	1.00	3	3	1.00	5	5	1.00						
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	8	8	1.00	3	3	1.00	5	5	1.00						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0259

NPS Station ID: GRSM0259 LAT/LON: 35.793337/ -83.239170 Agency: 12NSS Date Created: 10/22/88
Location: COSBY CREEK
Station Type: /TYPA/AMBNT/STREAM
FIPS State/County: 47029 TENNESSEE/COCKE
STORET Station ID(s): 2A07805L /2AS2A07805L
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 436 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 06010106000301.69 RF3 Mile Point: 4.09 Distance from RF3: 0.12 On/Off RF3:
Description:

THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITAITONS ARE DESCRIBED IN:

Parameter Inventory for Station: GRSM0259

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		03/24/85-07/07/85	4	12.5	13.	18.	9.	18.	4.243	**	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)		03/24/85-07/07/85	4	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)		03/24/85-07/07/85	4	12.5	12.5	15.	10.	8.333	2.887	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		03/24/85-07/07/85	4	21.	23.	29.	21.	16.	4.	**	**	**	**
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE	MG/L	03/24/85-07/07/85	4	9.4	9.55	10.8	8.6	0.943	0.971	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	03/24/85-07/07/85	4	6.75	6.825	7.1	6.7	0.036	0.189	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS		03/24/85-07/07/85	4	6.747	6.798	7.1	6.7	0.037	0.192	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		03/24/85-07/07/85	4	0.179	0.159	0.2	0.079	0.003	0.057	**	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS	UEQ/L	03/24/85-07/07/85	4	107.1	123.5	191.3	88.5	2120.087	46.044	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)		03/24/85-07/07/85	4	5.5	6.	9.	4.	4.667	2.16	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)		03/24/85-07/07/85	4	0.027	0.206	0.751	0.018	0.132	0.364	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)		03/24/85-07/07/85	4	0.8	0.825	1.	0.7	0.016	0.126	**	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)		03/24/85-07/07/85	4	1.35	1.525	2.2	1.2	0.209	0.457	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)		03/24/85-07/07/85	4	1.8	1.95	2.6	1.6	0.203	0.451	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)		03/24/85-07/07/85	4	0.5	0.55	0.7	0.5	0.01	0.1	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)		03/24/85-07/07/85	4	1.26	1.375	1.83	1.15	0.095	0.309	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)		03/24/85-07/07/85	4	0.41	0.415	0.43	0.41	0.	0.01	**	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER	MG/L	03/24/85-07/07/85	4	0.8	0.825	1.	0.7	0.016	0.126	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)		03/24/85-07/07/85	4	1.9	1.925	2.1	1.8	0.023	0.15	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)		03/24/85-07/07/85	4	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)		03/24/85-07/07/85	4	6.65	6.85	8.5	5.6	1.47	1.212	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)		03/24/85-07/07/85	4	1.15	2.325	7.	0.	10.889	3.3	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)		03/24/85-07/07/85	4	49.5	61.75	115.	33.	1460.917	38.222	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)		03/24/85-07/07/85	4	1.45	1.425	1.7	1.1	0.076	0.275	**	**	**	**
71885	IRON (UG/L AS FE)		03/24/85-07/07/85	4	12.99	18.86	38.97	10.49	181.128	13.458	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL		03/24/85-07/07/85	4	1430.	1430.	1430.	1430.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS,	NTU	03/24/85-07/07/85	4	0.7	0.825	1.5	0.4	0.249	0.499	**	**	**	**
83509	STREAM, WIDTH	METER	03/24/85-07/07/85	4	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0259

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	4	0	0.00	1	0	0.00	3	0	0.00						
00403 PH, LAB	Other-Hi Lim.	9.	4	0	0.00	1	0	0.00	3	0	0.00						
	Other-Lo Lim.	6.5	4	0	0.00	1	0	0.00	3	0	0.00						
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	4	4	1.00	1	1	1.00	3	3	1.00						
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	4	0	0.00	1	0	0.00	3	0	0.00						
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	4	0	0.00	1	0	0.00	3	0	0.00						
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	4	0	0.00	1	0	0.00	3	0	0.00						
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	4	0	0.00	1	0	0.00	3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0260

NPS Station ID: GRSM0260 LAT/LON: 35.803059/ -83.247504 Agency: 112WRD Date Created: 12/11/78
Location: GREENBRIER CREEK AT COSBY, TN
FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 03461266
RMI-Indexes:
RMI-Miles:
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: Elevation: 0 Water Body Id:
Minor Basin: ECO Region:
RF1 Index: 06010106006 RF1 Mile Point: 6.060 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106000907.95 RF3 Mile Point: 8.01 Distance from RF3: 0.03 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0260

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		07/01/78-07/17/85	12	16.	15.458	22.	7.5	21.248	4.61	7.65	12.5	19.25	21.55
00061 FLOW, STREAM, INSTANTANEOUS	CFS	07/01/78-07/17/85	12	3.	3.75	11.	2.	7.295	2.701	2.	2.	4.	9.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		07/01/78-07/17/85	11	35.	35.091	46.	26.	41.491	6.441	26.2	29.	40.	45.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exists to compare against the data at this station. **********

Station Inventory for Station: GRSM0261

NPS Station ID: GRSM0261 LAT/LON: 35.812505/ -83.144448 Agency: 21TNWQ Date Created: / /
Location: PIGEON RIVER FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 002080 /152080 /132080
RMI-Indexes: 1021500 007720 00920 9300 2520
RMI-Miles: 0953.80 0046.50 652.10 073.80 021.50
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: TENNESSEE RIVER Elevation: 0 Water Body Id:
Minor Basin: FRENCH BROAD RIVER ECO Region:
RF1 Index: 06010106009 RF1 Mile Point: 8.740 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106001100.00 RF3 Mile Point: 0.00 Distance from RF3: 0.12 On/Off RF3:
Description:
HARTFORD BRIDGE

Parameter Inventory for Station: GRSM0261

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/18/64-11/03/64	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	06/02/64-08/22/67	40	94.5	117.625	273.	30.	4073.42	63.823	61.	69.25	158.5	214.9
00081 COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	06/02/64-08/22/67	40	128.5	147.025	281.	23.	4551.41	67.464	71.5	98.25	205.25	250.3
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	06/02/64-08/22/67	40	40.	41.75	66.	23.	100.038	10.002	31.2	35.	49.	56.8
00415 ALKALINITY, PHENOLPHTHALEIN (MG/L)	06/02/64-08/22/67	40	0.	0.7	12.	0.	6.472	2.544	0.	0.	0.	0.
00940 CHLORIDE,TOTAL IN WATER MG/L	06/02/64-08/22/67	40	44.5	49.125	103.	10.	678.625	26.05	19.1	27.25	66.25	92.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0261

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00	1	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	40	0	0.00	14	0	0.00	26	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0262

NPS Station ID: GRSM0262 LAT/LON: 35.812505/ -83.145003 Agency: 131TVAC Date Created: 03/30/77
Location: BRIDGE NEAR HARTFORD
FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 476125
RMI-Indexes: 1021500 007720 00920 9300 2520
RMI-Miles: 0953.80 0046.50 652.10 073.80 021.40
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: PIGEON RIVER 21.4 ECO Region:
RF1 Index: 06010106009 RF1 Mile Point: 8.640 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106000801.80 RF3 Mile Point: 2.49 Distance from RF3: 0.05 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0262

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		02/23/77-10/11/78	12	15.65	14.883	24.3	3.5	48.634	6.974	3.92	8.475	21.8	23.94
00061	FLOW, STREAM, INSTANTANEOUS	CFS	02/23/77-10/11/78	12	835.	974.5	2720.	44.	713639.364	844.772	66.8	245.	1675.	2528.
00070	TURBIDITY, (JACKSON CANDLE UNITS)		02/23/77-10/11/78	12	5.1	12.233	50.	1.	208.542	14.441	1.24	2.1	21.	42.2
00080	COLOR (PLATINUM-COBALT UNITS)		02/23/77-10/11/78	12	40.5	42.167	80.	15.	437.97	20.923	15.	24.	57.5	77.
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS		02/23/77-08/09/77	7	75.	76.429	110.	50.	380.952	19.518	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		02/23/77-10/11/78	12	210.	279.667	540.	96.	25950.424	161.091	106.2	157.5	460.	537.
00300	OXYGEN, DISSOLVED	MG/L	02/23/77-10/11/78	12	9.6	9.875	12.6	7.6	2.668	1.633	7.78	8.5	11.575	12.42
00310	BOD, 5 DAY, 20 DEG C	MG/L	02/23/77-10/11/78	12	1.5	1.7	4.6	0.5	1.109	1.053	0.65	1.1	2.	3.97
00335	COD, .025N K2CR2O7	MG/L	02/23/77-10/11/78	9	19.	21.333	44.	8.	146.5	12.104	8.	9.5	31.	44.
00400	PH (STANDARD UNITS)		02/23/77-10/11/78	11	7.2	7.136	7.5	6.7	0.075	0.273	6.72	6.9	7.4	7.48
00400	CONVERTED PH (STANDARD UNITS)		02/23/77-10/11/78	11	7.2	7.057	7.5	6.7	0.081	0.285	6.72	6.9	7.4	7.48
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		02/23/77-10/11/78	11	0.063	0.088	0.2	0.032	0.003	0.056	0.033	0.04	0.126	0.191
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		02/23/77-10/11/78	11	23.	25.727	54.	8.	190.218	13.792	8.8	15.	34.	51.6
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		02/23/77-10/11/78	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		02/23/77-10/11/78	8	5.5	7.625	16.	1.	33.411	5.78	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)		02/23/77-10/11/78	12	0.14	0.154	0.35	0.08	0.006	0.075	0.083	0.098	0.168	0.317
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		02/23/77-10/11/78	12	0.075	0.111	0.56	0.005	0.023	0.152	0.005	0.03	0.118	0.449
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		02/23/77-10/11/78	12	0.39	0.449	0.84	0.29	0.024	0.154	0.293	0.363	0.498	0.774
00665	PHOSPHORUS, TOTAL (MG/L AS P)		02/23/77-10/11/78	12	0.06	0.068	0.15	0.03	0.001	0.036	0.033	0.04	0.087	0.135
00680	CARBON, TOTAL ORGANIC (MG/L AS C)		02/23/77-10/11/78	8	6.	7.45	15.	3.3	20.663	4.546	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)		02/23/77-10/11/78	8	22.5	28.625	60.	11.	320.554	17.904	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)		02/23/77-10/11/78	8	1.55	1.738	2.6	1.1	0.351	0.593	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)		02/23/77-10/11/78	8	21.5	31.75	69.	11.	436.214	20.886	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)		02/23/77-10/11/78	8	1.8	2.155	3.7	0.84	0.939	0.969	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER	MG/L	02/23/77-10/11/78	8	43.5	61.125	120.	23.	1369.268	37.004	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)		02/23/77-10/11/78	8	10.5	14.	29.	8.	72.286	8.502	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)		02/23/77-08/09/77	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SIO2)		02/23/77-02/23/77	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)		02/23/77-08/09/77	3##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)		02/23/77-08/09/77	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)		02/23/77-10/11/78	8##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)		02/23/77-10/11/78	8	35.	44.125	120.	10.	1167.554	34.169	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)		02/23/77-10/11/78	12	755.	867.5	2400.	200.	449584.091	670.51	209.	275.	1135.	2220.
01046	IRON, DISSOLVED (UG/L AS FE)		02/23/77-10/11/78	12	170.	198.083	490.	25.	17113.174	130.817	35.5	99.	287.5	442.
01051	LEAD, TOTAL (UG/L AS PB)		02/23/77-10/11/78	8##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)		02/23/77-10/11/78	12	80.	105.25	300.	27.	6077.659	77.959	30.9	45.	142.5	267.
01056	MANGANESE, DISSOLVED (UG/L AS MN)		02/23/77-10/11/78	12	46.5	67.667	160.	17.	2403.333	49.024	17.9	24.	115.	151.
01067	NICKEL, TOTAL (UG/L AS NI)		02/23/77-10/11/78	8##	25.	17.5	25.	5.	107.143	10.351	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0262

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01077 SILVER, TOTAL (UG/L AS AG)	02/23/77-08/09/77	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	02/23/77-10/11/78	8	60.	67.5	150.	5.	3271.429	57.196	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	02/23/77-10/11/78	8	175.	331.25	820.	80.	86212.5	293.62	**	**	**	**
01132 LITHIUM, TOTAL (UG/L AS LI)	02/23/77-08/09/77	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
01152 TITANIUM, TOTAL (UG/L AS TI)	02/23/77-08/09/77	3##	500.	500.	500.	500.	0.	0.	**	**	**	**
31501 COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C	02/23/77-10/11/78	10	2000.	5930.	20000.	100.	48920111.111	6994.291	190.	1750.	13350.	19380.
31501 LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,	02/23/77-10/11/78	10	3.301	3.427	4.301	2.	0.449	0.67	2.1	3.226	4.125	4.285
31501 GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3			GEOMETRIC MEAN =	2673.47								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/23/77-10/11/78	10	450.	500.5	1300.	5.	255824.722	505.791	5.5	17.5	1045.	1288.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/23/77-10/11/78	10	2.651	2.171	3.114	0.699	0.885	0.941	0.729	1.226	3.018	3.11
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	148.326								
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/23/77-10/11/78	8	62.5	78.375	160.	32.	2201.125	46.916	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/23/77-10/11/78	8	145.	203.75	360.	90.	12712.5	112.75	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	02/23/77-10/11/78	8##	0.1	0.163	0.6	0.1	0.031	0.177	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0262

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	12	1	0.08	5	0	0.00	7	1	0.14						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	12	0	0.00	5	0	0.00	7	0	0.00						
00400 PH	Other-Hi Lim.	9.	11	0	0.00	5	0	0.00	6	0	0.00						
	Other-Lo Lim.	6.5	11	0	0.00	5	0	0.00	6	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	0	0.00	5	0	0.00	7	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	4	0	0.00	4	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	8	0	0.00	4	0	0.00	4	0	0.00						
01007 BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	1	0	0.00	2	0	0.00						
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	1	0	0.00	2	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	4	0	0.00	4	0	0.00						
	Drinking Water	5.	8	0	0.00	4	0	0.00	4	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	8	7	0.88	4	3	0.75	4	4	1.00						
	Drinking Water	1300.	8	0	0.00	4	0	0.00	4	0	0.00						
01051 LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	4	0	0.00	4	0	0.00						
	Drinking Water	5.	0&	0	0.00												
01067 NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	4	0	0.00	4	0	0.00						
	Drinking Water	100.	8	0	0.00	4	0	0.00	4	0	0.00						
01077 SILVER, TOTAL	Fresh Acute	4.1	0&	0	0.00												
	Drinking Water	50.	3	0	0.00	1	0	0.00	2	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	8	2	0.25	4	0	0.00	4	2	0.50						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	10	9	0.90	4	4	1.00	6	5	0.83						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	6	0.60	4	3	0.75	6	3	0.50						
71900 MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	4	0	0.00	4	0	0.00						
	Drinking Water	2.	8	0	0.00	4	0	0.00	4	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: GRSM0263

NPS Station ID: GRSM0263 LAT/LON: 35.814727/ -83.145281 Agency: 131TVAC Date Created: / /
Location:
Station Type: /TYPA/AMBNT/STREAM/SOLIDS
FIPS State/County: 47029 TENNESSEE/COCKE
STORET Station ID(s): 475976 /5551
RMI-Indexes: 1021500 007720 00920 9300 2520
RMI-Miles: 0953.80 0046.50 652.10 073.80 021.30
HUC: 06010106 Depth of Water: 0
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0
Minor Basin: PIGEON RIVER 21.3
RF1 Index: 06010106 RF1 Mile Point: 0.000
RF3 Index: 06010106000300.00 RF3 Mile Point: 0.00
Description:

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00 On/Off RF1:
Distance from RF3: 0.01 On/Off RF3:

Parameter Inventory for Station: GRSM0263

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/29/70-10/29/70	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

********** No EPA Water Quality Criteria exists to compare against the data at this station. **********

Station Inventory for Station: GRSM0264

NPS Station ID: GRSM0264 LAT/LON: 35.817226/ -83.157503 Agency: 21TNWQ Date Created: 12/04/82
Location: PIGEON R 20.4 @ N.C. LIGHT/PWR DISCH QUAD 173SW FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 002081
RMI-Indexes: 1021500 007720 00920 9300 2520
RMI-Miles: 0953.80 0046.50 652.10 073.80 120.40
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: SOUTHEAST Elevation: 0 Water Body Id:
Minor Basin: CLINCH RIVER BASIN ECO Region:
RF1 Index: 06010106009 RF1 Mile Point: 8.440 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 06010106008100.39 RF3 Mile Point: 1.49 Distance from RF3: 0.11 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0264

Parameter			Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)		10/20/82-12/14/92	65	11.	12.283	25.	0.2	39.36	6.274	4.5	7.	17.5	21.38
00070	TURBIDITY, (JACKSON CANDLE UNITS)		07/21/88-07/21/88	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)		10/20/82-12/14/92	73	78.	90.181	240.	0.2	3211.176	56.667	18.	51.	139.5	175.
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS		02/16/83-12/14/92	26	91.	116.808	492.	9.	9808.162	99.036	19.7	61.25	128.25	247.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	77	263.	349.169	971.	33.	51802.826	227.602	85.2	186.	502.5	686.2
00300	OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	77	8.8	8.626	11.5	5.	2.908	1.705	6.08	7.3	10.05	10.52
00310	BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	71##	2.5	2.282	5.	0.5	0.541	0.735	1.	2.5	2.5	2.5
00324	BOD, 20 DAY, 20 DEG C	MG/L	12/16/82-02/25/92	27	4.	3.87	17.	1.	8.377	2.894	2.	2.5	4.	5.2
00335	COD, .025N K2CR207	MG/L	10/20/82-12/14/92	74	18.75	22.512	85.6	2.5	309.067	17.58	2.5	10.45	32.725	47.7
00400	PH (STANDARD UNITS)		06/13/89-10/23/89	2	7.95	7.95	8.5	7.4	0.605	0.778	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)		06/13/89-10/23/89	2	7.668	7.668	8.5	7.4	0.764	0.874	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/13/89-10/23/89	2	0.021	0.021	0.04	0.003	0.001	0.026	**	**	**	**
00403	PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	79	7.	6.932	8.3	2.8	0.634	0.796	6.4	6.7	7.3	7.5
00403	CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	79	7.	4.519	8.3	2.8	6.53	2.555	6.4	6.7	7.3	7.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	79	0.1	30.282	1584.893	0.005	39364.228	198.404	0.032	0.05	0.2	0.398
00500	RESIDUE, TOTAL (MG/L)		10/20/82-04/12/88	53	212.	253.245	588.	34.	23469.65	153.198	58.8	125.5	374.5	471.4
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L		10/20/82-12/14/92	75	164.	215.547	573.	4.	20371.17	142.728	52.6	111.	305.	444.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	79	4.	8.019	158.	0.5	344.791	18.569	0.5	1.	8.	16.
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)		10/25/84-10/25/84	1	0.96	0.96	0.96	0.96	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	73	0.1	0.107	0.48	0.005	0.006	0.078	0.02	0.05	0.145	0.196
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/20/82-12/14/92	76	0.535	1.236	50.	0.14	32.204	5.675	0.244	0.43	0.695	0.935
00635	NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	78	0.5	0.515	1.5	0.05	0.09	0.3	0.2	0.3	0.7	0.91
00665	PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	76	0.12	0.141	0.35	0.005	0.008	0.091	0.037	0.07	0.2	0.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	80	49.	70.088	882.	1.	10032.79	100.164	19.	29.	85.5	129.2
01002	ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	77##	1.	1.097	5.	0.5	0.698	0.835	0.5	0.75	1.	2.
01027	CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	77##	1.	1.073	5.	0.1	0.522	0.722	0.5	0.5	1.	2.1
01034	CHROMIUM, TOTAL (UG/L AS CR)		10/20/82-12/14/92	22##	5.	11.727	180.	0.5	1419.565	37.677	0.5	0.5	5.	9.8
01042	COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	77	5.	7.5	37.	0.5	48.263	6.947	2.5	2.5	11.	18.
01045	IRON, TOTAL (UG/L AS FE)		10/13/83-12/14/92	59	408.	512.661	1328.	28.	87243.124	295.369	122.	339.	696.	940.
01051	LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	76##	5.	9.225	110.	0.1	250.652	15.832	5.	5.	5.	14.75
01055	MANGANESE, TOTAL (UG/L AS MN)		10/13/83-12/14/92	59	76.	120.356	876.	4.	17928.854	133.899	28.	53.	150.	230.
01067	NICKEL, TOTAL (UG/L AS NI)		02/16/83-12/14/92	12##	10.	24.	204.	1.5	3224.5	56.785	1.5	5.25	10.	145.8
01092	ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	76	9.	40.484	800.	0.25	11837.081	108.798	2.5	2.5	27.75	81.3
01105	ALUMINUM, TOTAL (UG/L AS AL)		10/20/82-12/14/92	70	315.	374.586	1800.	50.	86373.174	293.893	56.	213.75	452.5	702.8
01147	SELENIUM, TOTAL (UG/L AS SE)		06/24/86-07/21/88	2##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,35C		03/13/84-03/13/84	1	154.	154.	154.	154.	0.	0.	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,		03/13/84-03/13/84	1	2.188	2.188	2.188	2.188	0.	0.	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED,M-ENDO MED,3				GEOMETRIC MEAN =	154.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/88-12/14/92	22	75.	205.955	1000.	5.	97101.284	311.611	5.	21.5	209.	912.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/12/88-12/14/92	22	1.874	1.831	3.	0.699	0.513	0.716	0.699	1.332	2.311	2.96
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	67.835								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	04/12/88-12/14/92	20	335.	1118.7	9000.	40.	4964244.326	2228.058	70.	95.5	792.5	5200.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C.	04/12/88-12/14/92	20	2.524	2.545	3.954	1.602	0.409	0.639	1.845	1.98	2.899	3.694
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C.4			GEOMETRIC MEAN =	350.4								
71900	MERCURY, TOTAL (UG/L AS HG)	10/20/82-12/14/92	77##	0.1	0.136	1.6	0.1	0.033	0.181	0.1	0.1	0.1	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0264

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00				1	0	0.00						
00300	OXYGEN, DISSOLVED	Fresh Acute	4.	77	0	0.00	46	0	0.00	31	0	0.00						
00400	PH	Other-Hi Lim.	9.	2	0	0.00	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00	1	0	0.00						
00403	PH, LAB	Other-Hi Lim.	9.	79	0	0.00	47	0	0.00	32	0	0.00						
		Other-Lo Lim.	6.5	79	11	0.14	47	6	0.13	32	5	0.16						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	76	1	0.01	45	1	0.02	31	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	77	0	0.00	47	0	0.00	30	0	0.00						
		Drinking Water	50.	77	0	0.00	47	0	0.00	30	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	77	1	0.01	47	1	0.02	30	0	0.00						
		Drinking Water	5.	77	1	0.01	47	1	0.02	30	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	22	1	0.05	14	0	0.00	8	1	0.13						
01042	COPPER, TOTAL	Fresh Acute	18.	77	8	0.10	47	5	0.11	30	3	0.10						
		Drinking Water	1300.	77	0	0.00	47	0	0.00	30	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	76	1	0.01	46	1	0.02	30	0	0.00						
		Drinking Water	5.	16&	11	0.69	12	9	0.75	4	2	0.50						
01067	NICKEL, TOTAL	Fresh Acute	1400.	12	0	0.00	9	0	0.00	3	0	0.00						
		Drinking Water	100.	12	1	0.08	9	1	0.11	3	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	76	5	0.07	46	4	0.09	30	1	0.03						
01147	SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00				2	0	0.00						
		Drinking Water	50.	2	0	0.00				2	0	0.00						
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	22	5	0.23	11	5	0.45	11	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	77	0	0.00	46	0	0.00	31	0	0.00						
		Drinking Water	2.	77	0	0.00	46	0	0.00	31	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1982 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	3	560.	463.667	660.	171.	66740.333	258.342	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	3	8.4	8.667	10.3	7.3	2.303	1.518	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	10/20/82-12/14/92	3	23.	20.667	25.	14.	34.333	5.859	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	3	7.	7.067	7.2	7.	0.013	0.115	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	3	7.	7.057	7.2	7.	0.013	0.116	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	3	0.1	0.088	0.1	0.063	0.	0.021	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	3	2.	6.	15.	1.	61.	7.81	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	1	0.16	0.16	0.16	0.16	0.	0.	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/20/82-12/14/92	3	0.66	0.82	1.43	0.37	0.3	0.548	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	3	0.8	0.733	1.	0.4	0.093	0.306	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	3	0.25	0.23	0.28	0.16	0.004	0.062	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	3	90.	78.333	116.	29.	1994.333	44.658	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	3	1.	1.	1.	1.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	3	7.	5.667	8.	2.	10.333	3.215	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	3	20.	46.667	110.	10.	3033.333	55.076	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	3	11.	122.	350.	5.	38997.	197.477	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		10/20/82-12/14/92	3##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	11	233.	336.273	971.	58.	100045.418	316.3	60.8	89.	627.	938.
00300 OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	11	9.3	8.709	10.6	5.8	2.729	1.652	5.9	7.1	10.1	10.52
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	11	1.	1.5	4.	0.5	1.25	1.118	0.5	0.5	2.5	3.7
00335 COD, .025N K2CR2O7	MG/L	10/20/82-12/14/92	11	18.	18.	34.	2.5	97.95	9.897	2.5	14.	27.	33.
00403 PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	11	6.7	6.755	7.3	6.2	0.111	0.333	6.24	6.6	7.1	7.26
00403 CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	11	6.7	6.645	7.3	6.2	0.124	0.352	6.24	6.6	7.1	7.26
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	11	0.2	0.226	0.631	0.05	0.029	0.169	0.056	0.079	0.251	0.584
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	11	3.	9.091	41.	1.	182.091	13.494	1.	1.	8.	38.8
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	11	0.12	0.108	0.19	0.02	0.004	0.061	0.02	0.05	0.16	0.188
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/20/82-12/14/92	10	0.58	5.585	50.	0.25	243.681	15.61	0.254	0.373	1.25	45.14
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	10	0.55	0.465	0.8	0.05	0.071	0.267	0.055	0.175	0.7	0.79
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	11	0.16	0.16	0.31	0.03	0.006	0.078	0.042	0.11	0.2	0.3
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	11	38.	54.455	148.	14.	2025.073	45.001	14.2	23.	90.	142.6
01002 ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	11	1.	1.682	5.	0.5	1.864	1.365	0.5	0.5	2.	4.6
01027 CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	11##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01042 COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	11	11.	12.182	23.	3.	43.564	6.6	3.4	7.	18.	22.6
01051 LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	11##	5.	9.545	40.	5.	107.273	10.357	5.	5.	10.	34.
01092 ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	11	21.	99.227	800.	0.5	54730.468	233.945	1.6	9.	70.	654.4
71900 MERCURY, TOTAL (UG/L AS HG)		10/20/82-12/14/92	11##	0.1	0.236	1.6	0.1	0.205	0.452	0.1	0.1	0.1	1.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	6	369.5	420.667	783.	59.	77439.467	278.279	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	7	8.3	8.2	10.4	6.1	2.893	1.701	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	7##	2.	1.714	3.	0.5	1.071	1.035	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	10/20/82-12/14/92	6	22.	23.5	49.	2.5	409.	20.224	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	7	6.5	6.357	6.8	5.7	0.18	0.424	**	**	**	**

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Annual Analysis for 1984 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403 CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	7	6.5	6.176	6.8	5.7	0.218	0.467	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	7	0.316	0.666	1.995	0.158	0.452	0.672	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	7	3.	28.429	158.	1.	3316.952	57.593	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	6	0.115	0.155	0.48	0.01	0.029	0.17	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/20/82-12/14/92	6	0.63	0.645	0.97	0.23	0.076	0.276	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	6	1.	0.983	1.5	0.6	0.106	0.325	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	6	0.25	0.217	0.35	0.06	0.014	0.119	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	7	31.	63.	122.	19.	2354.	48.518	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	7##	0.5	1.643	5.	0.5	3.893	1.973	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	7	1.	1.786	5.	0.5	2.905	1.704	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	7	4.	5.429	12.	0.5	21.202	4.605	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	7##	5.	5.871	20.	0.1	43.282	6.579	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	7	19.	25.143	81.	7.	655.81	25.609	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		10/20/82-12/14/92	7##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	8	436.5	465.875	774.	256.	41034.696	202.57	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	8	8.8	8.325	11.	5.	5.245	2.29	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	8##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00335 COD, .025N K2CR207	MG/L	10/20/82-12/14/92	7	20.	19.271	33.1	2.5	136.106	11.666	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	8	6.8	5.963	7.5	2.8	3.528	1.878	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	8	6.789	3.527	7.5	2.8	10.31	3.211	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	8	0.163	297.498	1584.893	0.032	347829.117	589.77	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	8	3.5	4.625	13.	0.5	21.339	4.619	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	7	0.14	0.161	0.24	0.11	0.002	0.05	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/20/82-12/14/92	7	0.58	0.676	0.92	0.43	0.042	0.205	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	8	0.7	0.7	1.2	0.3	0.08	0.283	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	7	0.15	0.164	0.34	0.04	0.009	0.093	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	8	68.5	81.625	165.	43.	2023.411	44.982	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	8##	0.5	0.688	1.	0.5	0.067	0.259	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	8##	2.25	1.875	2.5	1.	0.554	0.744	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	8	15.	14.	22.	5.	38.857	6.234	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	7##	12.5	25.214	74.	5.	730.321	27.024	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	8	9.5	55.313	338.	2.5	13299.138	115.322	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		10/20/82-12/14/92	8##	0.1	0.138	0.4	0.1	0.011	0.106	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	10	481.	375.3	687.	91.	42305.344	205.683	95.7	158.25	503.25	668.7
00300 OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	10	8.95	7.92	10.3	5.	4.004	2.001	5.	5.75	9.25	10.27
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	10##	2.5	2.75	5.	2.5	0.625	0.791	2.5	2.5	2.5	4.75
00335 COD, .025N K2CR207	MG/L	10/20/82-12/14/92	9	37.3	37.978	85.6	2.5	900.382	30.006	2.5	5.25	62.	85.6
00403 PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	10	7.6	7.6	8.3	6.9	0.289	0.537	6.91	7.075	8.075	8.3
00403 CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	10	7.504	7.346	8.3	6.9	0.361	0.6	6.91	7.075	8.075	8.3
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	10	0.031	0.045	0.126	0.005	0.002	0.044	0.005	0.009	0.085	0.123
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	10##	1.75	3.75	10.	0.5	16.625	4.077	0.5	0.5	8.5	10.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	10	0.13	0.135	0.26	0.02	0.008	0.087	0.021	0.045	0.21	0.258
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/20/82-12/14/92	10	0.61	0.585	1.06	0.14	0.092	0.303	0.146	0.283	0.837	1.04

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Annual Analysis for 1986 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	10	0.7	0.67	1.1	0.2	0.076	0.275	0.22	0.475	0.9	1.08
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	10	0.22	0.198	0.32	0.04	0.011	0.105	0.042	0.098	0.305	0.32
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	10	90.	159.2	882.	26.	66904.844	258.66	26.	28.25	145.	809.8
01002 ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	10##	0.75	0.85	2.	0.5	0.225	0.474	0.5	0.5	1.	1.9
01027 CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	10##	1.	1.15	2.5	1.	0.225	0.474	1.	1.	1.	2.35
01042 COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	10##	2.5	3.5	10.	2.5	5.833	2.415	2.5	2.5	3.125	9.5
01051 LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	10##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092 ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	10	44.	72.	250.	2.5	5775.944	76.	2.5	14.125	106.25	239.
71900 MERCURY, TOTAL (UG/L AS HG)		10/20/82-12/14/92	9##	0.1	0.111	0.2	0.1	0.001	0.033	0.1	0.1	0.1	0.2

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Annual Analysis for 1987 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	10	271.	327.8	683.	33.	65538.4	256.005	33.5	125.	660.75	682.5
00300 OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	10	8.5	8.57	10.4	6.	2.445	1.564	6.05	7.1	10.	10.36
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	11##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
00335 COD, .025N K2CR2O7	MG/L	10/20/82-12/14/92	9	15.2	24.889	57.5	2.5	388.954	19.722	2.5	10.7	45.6	57.5
00403 PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	11	7.2	7.109	7.5	6.4	0.135	0.367	6.44	6.9	7.4	7.5
00403 CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	11	7.2	6.951	7.5	6.4	0.162	0.403	6.44	6.9	7.4	7.5
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	11	0.063	0.112	0.398	0.032	0.013	0.115	0.032	0.04	0.126	0.369
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	11	4.	2.955	6.	0.5	4.373	2.091	0.5	0.5	5.	5.8
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	9	0.07	0.081	0.18	0.01	0.003	0.057	0.01	0.035	0.13	0.18
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/20/82-12/14/92	11	0.67	0.71	1.49	0.14	0.107	0.327	0.204	0.58	0.83	1.358
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	11	0.4	0.395	1.1	0.05	0.075	0.274	0.08	0.2	0.4	1.
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	9	0.1	0.128	0.32	0.03	0.008	0.087	0.03	0.065	0.17	0.32
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	11	36.	46.545	130.	1.	1401.673	37.439	1.2	26.	63.	120.8
01002 ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	9##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.
01027 CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	9##	1.	0.9	1.	0.1	0.09	0.3	0.1	1.	1.	1.
01042 COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	9##	2.5	4.667	12.	2.5	13.813	3.717	2.5	2.5	7.5	12.
01051 LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	9##	5.	5.778	12.	5.	5.444	2.333	5.	5.	5.	12.
01092 ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	9	8.	8.056	15.	2.5	26.215	5.12	2.5	2.5	13.	15.
71900 MERCURY, TOTAL (UG/L AS HG)		10/20/82-12/14/92	10##	0.1	0.15	0.3	0.1	0.005	0.071	0.1	0.1	0.2	0.29

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	12	459.	421.583	710.	78.	43548.629	208.683	80.7	276.5	603.75	700.4
00300 OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	10	9.	9.	11.5	6.2	3.311	1.82	6.27	7.125	10.675	11.47
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	10##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
00335 COD, .025N K2CR2O7	MG/L	10/20/82-12/14/92	11	31.9	24.509	46.4	2.5	363.471	19.065	2.5	2.5	44.7	46.26
00403 PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	12	6.85	6.917	7.3	6.5	0.045	0.212	6.59	6.8	7.1	7.24
00403 CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	12	6.847	6.869	7.3	6.5	0.048	0.218	6.59	6.8	7.1	7.24
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	12	0.142	0.135	0.316	0.05	0.005	0.07	0.059	0.079	0.158	0.269
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	12	4.	5.958	23.	0.5	42.794	6.542	0.5	1.125	6.75	20.3
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	11	0.06	0.075	0.19	0.01	0.003	0.058	0.012	0.03	0.14	0.18
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/20/82-12/14/92	11	0.53	0.484	0.67	0.22	0.027	0.165	0.222	0.32	0.66	0.67
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	12	0.4	0.396	0.7	0.05	0.028	0.168	0.095	0.3	0.5	0.64
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	12	0.125	0.13	0.23	0.06	0.002	0.048	0.066	0.1	0.155	0.221
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	12	53.5	57.417	133.	3.	1626.265	40.327	7.2	22.	80.25	128.5
01002 ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	11##	1.	0.955	1.	0.5	0.023	0.151	0.6	1.	1.	1.
01027 CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	11##	1.	1.	1.	1.	0.	0.	1.	1.	1.	1.

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Annual Analysis for 1988 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01042 COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	11##	2.5	7.545	24.	2.5	48.523	6.966	2.5	2.5	12.	21.8
01051 LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	11##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01092 ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	11##	2.5	5.227	17.	1.	28.318	5.321	1.3	2.5	9.	16.2
71900 MERCURY, TOTAL (UG/L AS HG)		10/20/82-12/14/92	11##	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1

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Annual Analysis for 1989 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	8	195.	186.5	273.	55.	5489.714	74.093	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	8	9.25	9.262	11.2	7.3	2.231	1.494	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	4##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	10/20/82-12/14/92	8	14.8	15.3	35.8	2.5	113.537	10.655	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	8	7.3	7.1	7.4	6.2	0.171	0.414	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	8	7.3	6.862	7.4	6.2	0.236	0.486	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	8	0.05	0.137	0.631	0.04	0.041	0.203	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	8	5.	5.25	11.	0.5	14.143	3.761	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	8	0.045	0.053	0.13	0.005	0.002	0.043	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET, (MG/L AS N)		10/20/82-12/14/92	8	0.415	0.39	0.48	0.22	0.007	0.086	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	8	0.25	0.299	0.5	0.09	0.023	0.153	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	8	0.07	0.076	0.14	0.005	0.002	0.041	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	8	41.5	45.	86.	14.	614.857	24.796	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	8##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	8##	1.	1.125	2.	1.	0.125	0.354	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	8##	3.75	7.875	37.	2.5	140.554	11.856	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	8##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	8##	2.5	6.719	33.	0.25	117.597	10.844	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		10/20/82-12/14/92	8##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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Annual Analysis for 1990 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	2	260.	260.	304.	216.	3872.	62.225	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	3	8.8	9.2	11.3	7.5	3.73	1.931	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	10/20/82-12/14/92	3	20.1	23.4	34.4	15.7	95.59	9.777	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	2	7.25	7.25	7.4	7.1	0.045	0.212	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	2	7.225	7.225	7.4	7.1	0.046	0.215	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	2	0.06	0.06	0.079	0.04	0.001	0.028	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	2	11.5	11.5	16.	7.	40.5	6.364	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	3	0.13	0.15	0.21	0.11	0.003	0.053	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET, (MG/L AS N)		10/20/82-12/14/92	3	0.5	0.497	0.56	0.43	0.004	0.065	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	3	0.5	0.467	0.6	0.3	0.023	0.153	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	3	0.09	0.083	0.11	0.05	0.001	0.031	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	3	48.	51.333	62.	44.	89.333	9.452	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	3##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	3##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	3##	2.5	7.	16.	2.5	60.75	7.794	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	3	23.	17.5	27.	2.5	172.75	13.143	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		10/20/82-12/14/92	3##	0.1	0.233	0.5	0.1	0.053	0.231	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	4	192.5	187.75	227.	139.	2024.917	44.999	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	4	9.25	9.125	10.3	7.7	1.883	1.372	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	3##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	10/20/82-12/14/92	4	11.35	12.025	22.9	2.5	71.182	8.437	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	4	7.3	7.375	7.7	7.2	0.049	0.222	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	4	7.3	7.339	7.7	7.2	0.051	0.226	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	4	0.05	0.046	0.063	0.02	0.	0.018	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	4	9.	12.	27.	3.	110.667	10.52	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	4	0.065	0.078	0.12	0.06	0.001	0.029	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/20/82-12/14/92	4	0.46	0.473	0.56	0.41	0.004	0.063	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	4	0.3	0.3	0.4	0.2	0.007	0.082	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	4	0.04	0.048	0.08	0.03	0.	0.022	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	4	54.	47.5	60.	22.	307.667	17.54	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	4##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	4##	1.	1.	1.	1.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	4##	2.5	5.625	15.	2.5	39.063	6.25	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	4##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	3	6.	5.167	7.	2.5	5.583	2.363	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		10/20/82-12/14/92	4##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station GRSM0264

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)		10/20/82-12/14/92	3	228.	230.667	260.	204.	789.333	28.095	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	10/20/82-12/14/92	3	8.1	8.433	10.1	7.1	2.333	1.528	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C	MG/L	10/20/82-12/14/92	3##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00335 COD, .025N K2CR2O7	MG/L	10/20/82-12/14/92	3	19.3	17.967	20.4	14.2	10.943	3.308	**	**	**	**
00403 PH, LAB, STANDARD UNITS	SU	10/20/82-12/14/92	3	7.3	7.3	7.4	7.2	0.01	0.1	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS		10/20/82-12/14/92	3	7.3	7.292	7.4	7.2	0.01	0.1	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		10/20/82-12/14/92	3	0.05	0.051	0.063	0.04	0.	0.012	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)		10/20/82-12/14/92	3	5.	8.333	15.	5.	33.333	5.774	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)		12/16/82-12/14/92	3	0.09	0.1	0.14	0.07	0.001	0.036	**	**	**	**
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)		10/20/82-12/14/92	3	0.53	0.517	0.55	0.47	0.002	0.042	**	**	**	**
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)		10/20/82-12/14/92	3	0.4	0.333	0.4	0.2	0.013	0.115	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)		10/20/82-12/14/92	3	0.02	0.018	0.03	0.005	0.	0.013	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)		10/20/82-12/14/92	3	55.	60.667	78.	49.	234.333	15.308	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)		10/20/82-12/14/92	3##	1.	1.	1.	1.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)		10/20/82-12/14/92	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)		10/20/82-12/14/92	3##	2.5	3.333	7.	0.5	11.083	3.329	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)		10/20/82-12/14/92	3##	2.	2.167	2.5	2.	0.083	0.289	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)		10/20/82-12/14/92	3	5.	9.667	19.	5.	65.333	8.083	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)		10/20/82-12/14/92	3##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 10/01 to 3/31 - Station GRSM0264

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/82-12/14/92	41	8.5	9.054	17.5	1.5	16.89	4.11	4.42	6.	11.	16.6
00080 COLOR (PLATINUM-COBALT UNITS)	10/20/82-12/14/92	43	84.	100.186	240.	15.	3106.155	55.733	33.	58.	154.	179.6
00081 COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	02/16/83-12/14/92	14	105.	116.5	250.	46.	3546.115	59.549	52.5	65.75	144.25	225.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/20/82-12/14/92	45	304.	378.178	971.	33.	50822.695	225.439	120.6	202.5	532.	684.2
00300 OXYGEN, DISSOLVED MG/L	10/20/82-12/14/92	46	9.85	9.257	11.5	5.	2.334	1.528	6.97	8.075	10.3	11.06
00310 BOD, 5 DAY, 20 DEG C MG/L	10/20/82-12/14/92	44##	2.5	2.33	5.	0.5	0.581	0.762	1.	2.5	2.5	2.5
00324 BOD, 20 DAY, 20 DEG C MG/L	12/16/82-02/25/92	17	4.	3.647	6.	2.	1.68	1.296	2.	2.5	5.	5.2
00335 COD, .025N K2CR207 MG/L	10/20/82-12/14/92	44	18.65	24.152	85.6	2.5	355.215	18.847	2.5	11.1	35.	49.4
00403 PH, LAB, STANDARD UNITS SU	10/20/82-12/14/92	47	7.	6.962	8.3	2.8	0.642	0.801	6.36	6.8	7.3	7.74
00403 CONVERTED PH, LAB, STANDARD UNITS	10/20/82-12/14/92	47	7.	4.47	8.3	2.8	6.986	2.643	6.36	6.8	7.3	7.74
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/20/82-12/14/92	47	0.1	33.897	1584.893	0.005	53432.348	231.154	0.018	0.05	0.158	0.445
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/20/82-12/14/92	47	185.	227.532	573.	4.	20315.385	142.532	60.8	125.	296.	447.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/20/82-12/14/92	47	4.	9.394	158.	0.5	553.738	23.532	0.5	1.	7.	19.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/16/82-12/14/92	42	0.13	0.127	0.48	0.01	0.006	0.08	0.036	0.068	0.16	0.197
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/82-12/14/92	45	0.56	1.708	50.	0.14	54.279	7.367	0.326	0.44	0.755	1.006
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	10/20/82-12/14/92	47	0.5	0.528	1.5	0.1	0.091	0.302	0.2	0.3	0.7	1.02
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/20/82-12/14/92	44	0.14	0.15	0.35	0.005	0.007	0.083	0.04	0.103	0.208	0.285
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/20/82-12/14/92	48	53.5	77.625	882.	1.	15352.75	123.906	25.7	31.5	85.5	122.
01002 ARSENIC, TOTAL (UG/L AS AS)	10/20/82-12/14/92	47##	1.	1.096	5.	0.5	0.659	0.812	0.5	1.	1.	2.
01027 CADMIUM, TOTAL (UG/L AS CD)	10/20/82-12/14/92	47##	1.	1.096	5.	0.5	0.627	0.792	0.5	0.5	1.	2.5
01034 CHROMIUM, TOTAL (UG/L AS CR)	10/20/82-12/14/92	14##	4.	3.714	11.	0.5	9.066	3.011	0.5	0.5	5.	9.
01042 COPPER, TOTAL (UG/L AS CU)	10/20/82-12/14/92	47##	2.5	6.532	23.	0.5	37.95	6.16	2.4	2.5	10.	18.
01045 IRON, TOTAL (UG/L AS FE)	10/13/83-12/14/92	36	436.	540.361	1328.	28.	84686.637	291.01	282.9	339.25	716.	1012.
01051 LEAD, TOTAL (UG/L AS PB)	10/20/82-12/14/92	46##	5.	11.263	110.	0.1	379.469	19.48	5.	5.	6.25	21.5
01055 MANGANESE, TOTAL (UG/L AS MN)	10/13/83-12/14/92	36	80.5	139.917	876.	13.	25565.336	159.892	37.8	67.	167.75	326.1
01067 NICKEL, TOTAL (UG/L AS NI)	02/16/83-12/14/92	9##	10.	29.111	204.	1.5	4314.799	65.687	1.5	3.25	10.	204.
01092 ZINC, TOTAL (UG/L AS ZN)	10/20/82-12/14/92	46	7.5	52.158	800.	0.25	18774.409	137.02	2.5	2.5	27.75	132.4
01105 ALUMINUM, TOTAL (UG/L AS AL)	10/20/82-12/14/92	43	320.	377.651	1170.	50.	59967.661	244.883	126.	230.	460.	681.2
71900 MERCURY, TOTAL (UG/L AS HG)	10/20/82-12/14/92	46##	0.1	0.12	0.5	0.1	0.006	0.075	0.1	0.1	0.1	0.13

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0264

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/20/82-12/14/92	24	19.	17.8	25.	0.2	29.798	5.459	10.	16.	21.45	23.
00080 COLOR (PLATINUM-COBALT UNITS)	10/20/82-12/14/92	30	61.5	75.84	201.	0.2	3112.823	55.793	10.5	24.75	120.	163.8
00081 COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	02/16/83-12/14/92	12	81	117.167	492.	9.	18100.152	134.537	12.	28.	127.5	418.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/20/82-12/14/92	32	253.5	308.375	806.	38.	51925.661	227.872	58.3	138.25	473.	703.1
00300 OXYGEN, DISSOLVED MG/L	10/20/82-12/14/92	31	7.7	7.69	10.	5.	2.352	1.534	5.16	6.2	9.	9.82
00310 BOD, 5 DAY, 20 DEG C MG/L	10/20/82-12/14/92	27##	2.5	2.204	3.	0.5	0.486	0.697	0.5	2.5	2.5	2.5
00324 BOD, 20 DAY, 20 DEG C MG/L	12/16/82-02/25/92	10##	2.5	4.25	17.	1.	20.958	4.578	1.15	2.5	4.	15.7
00335 COD, .025N K2CR207 MG/L	10/20/82-12/14/92	30	18.75	20.107	58.7	2.5	241.231	15.532	2.5	2.5	32.2	41.17
00403 PH, LAB, STANDARD UNITS SU	10/20/82-12/14/92	32	7.1	6.888	8.	3.1	0.639	0.799	6.26	6.7	7.3	7.4
00403 CONVERTED PH, LAB, STANDARD UNITS	10/20/82-12/14/92	32	7.1	4.603	8.	3.1	6.028	2.455	6.26	6.7	7.3	7.4
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/20/82-12/14/92	32	0.079	24.971	794.328	0.01	19709.836	140.392	0.04	0.05	0.2	0.561
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/20/82-12/14/92	28	150.	195.429	563.	7.	20550.921	143.356	42.1	98.5	311.75	417.9
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/20/82-12/14/92	32	4.5	6.	30.	0.5	38.79	6.228	0.5	1.	8.	15.4
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/16/82-12/14/92	31	0.06	0.079	0.26	0.005	0.005	0.068	0.01	0.03	0.11	0.206
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/20/82-12/14/92	31	0.53	0.551	1.4	0.14	0.082	0.287	0.22	0.35	0.7	0.902
00635 NITROGEN, AMMONIA&ORG., TOTAL 1 DET (MG/L AS N)	10/20/82-12/14/92	31	0.4	0.495	1.1	0.05	0.09	0.3	0.058	0.3	0.7	0.9
00665 PHOSPHORUS, TOTAL (MG/L AS P)	10/20/82-12/14/92	32	0.09	0.128	0.34	0.005	0.01	0.1	0.03	0.06	0.193	0.32
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/20/82-12/14/92	32	47.	58.781	160.	2.	2070.757	45.506	14.3	22.	94.	135.1
01002 ARSENIC, TOTAL (UG/L AS AS)	10/20/82-12/14/92	30##	1.	1.1	5.	0.5	0.783	0.885	0.5	0.5	1.	1.9
01027 CADMIUM, TOTAL (UG/L AS CD)	10/20/82-12/14/92	30##	1.	1.037	3.	0.1	0.371	0.609	0.5	0.5	1.	2.
01034 CHROMIUM, TOTAL (UG/L AS CR)	10/20/82-12/14/92	8##	5.	25.75	180.	0.5	3888.714	62.36	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	10/20/82-12/14/92	30	6.5	9.017	37.	2.5	62.388	7.899	2.5	2.5	12.25	19.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 4/01 to 9/30 - Station GRSM0264

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01045 IRON, TOTAL (UG/L AS FE)	10/13/83-12/14/92	23	385.	469.304	1250.	32.	92055.04	303.406	78.	310.	591.	908.2
01051 LEAD, TOTAL (UG/L AS PB)	10/20/82-12/14/92	30##	5.	6.1	40.	1.	42.714	6.536	5.	5.	5.	5.
01055 MANGANESE, TOTAL (UG/L AS MN)	10/13/83-12/14/92	23	63.	89.739	266.	4.	4988.747	70.631	10.6	40.	147.	203.2
01067 NICKEL, TOTAL (UG/L AS NI)	02/16/83-12/14/92	3##	10.	8.667	10.	6.	5.333	2.309	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	10/20/82-12/14/92	30	12.5	22.583	140.	0.5	932.795	30.542	2.5	2.5	28.5	67.3
01105 ALUMINUM, TOTAL (UG/L AS AL)	10/20/82-12/14/92	27	270.	369.704	1800.	50.	132309.986	363.744	50.	160.	410.	889.2
71900 MERCURY, TOTAL (UG/L AS HG)	10/20/82-12/14/92	31##	0.1	0.161	1.6	0.1	0.073	0.27	0.1	0.1	0.1	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: GRSM0265

NPS Station ID: GRSM0265 LAT/LON: 35.850004/ -83.188059 Agency: 131TVAC Date Created: 08/12/89
Location: NORTH OF DENTON FIPS State/County: 47029 TENNESSEE/COCKE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): 477172
RMI-Indexes: 1021500 007720 00920 9300 2520
RMI-Miles: 0953.80 0046.50 652.10 073.80 016.00
HUC: 06010106 Depth of Water: 0 Aquifer:
Major Basin: FRENCH BROAD RIVER BASIN Elevation: 0 Water Body Id:
Minor Basin: PIGEON RIVER 16.0 ECO Region:
RF1 Index: 06010106 RF1 Mile Point: 0.000 Distance from RF1: 0.80 On/Off RF1:
RF3 Index: 06010106057500.00 RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: GRSM0265

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)		06/28/89-06/28/89	3	19.	19.	19.	19.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)		06/28/89-06/28/89	3	168.	167.667	168.	167.	0.333	0.577	**	**	**	**
00300 OXYGEN, DISSOLVED	MG/L	06/28/89-06/28/89	3	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)		06/28/89-06/28/89	3	7.08	7.073	7.1	7.04	0.001	0.031	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)		06/28/89-06/28/89	3	7.08	7.073	7.1	7.04	0.001	0.031	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH		06/28/89-06/28/89	3	0.083	0.085	0.091	0.079	0.	0.006	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: GRSM0265

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	3	0	0.00												
00400 PH	Other-Hi Lim.	9.	3	0	0.00				3	0	0.00						
	Other-Lo Lim.	6.5	3	0	0.00				3	0	0.00						
									3	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire GRSM Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	430	8	0.02	192	4	0.02	238	4	0.02						
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	903	10	0.01	393	5	0.01	510	5	0.01						
00154 SULFATE (AS S) WHOLE WATER	Drinking Water	400.	6	0	0.00	6	0	0.00									
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Fresh Acute	4.	44	0	0.00	9	0	0.00	35	0	0.00						
00300 OXYGEN, DISSOLVED	Fresh Acute	4.	8441	402	0.05	3400	149	0.04	5041	253	0.05						
00400 PH	Other-Hi Lim.	9.	5578	12	0.00	2060	0	0.00	3518	12	0.00						
	Other-Lo Lim.	6.5	5578	3040	0.54	2060	1443	0.70	3518	1597	0.45						
00403 PH, LAB	Other-Hi Lim.	9.	1017	0	0.00	511	0	0.00	506	0	0.00						
	Other-Lo Lim.	6.5	1017	318	0.31	511	182	0.36	506	136	0.27						
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	50	48	0.96	15	13	0.87	35	35	1.00						
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	82	0	0.00	45	0	0.00	37	0	0.00						
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	222	0	0.00	116	0	0.00	106	0	0.00						
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	44	0	0.00	35	0	0.00	9	0	0.00						
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	201	0	0.00	104	0	0.00	97	0	0.00						
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1573	2	0.00	683	1	0.00	890	1	0.00						
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	134	0	0.00	74	0	0.00	60	0	0.00						
00720 CYANIDE, TOTAL	Fresh Acute	0.022	31&	0	0.00	7	0	0.00	24	0	0.00						
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	938	0	0.00	481	0	0.00	457	0	0.00						
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	50	0	0.00	15	0	0.00	35	0	0.00						
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	400.	974	0	0.00	503	0	0.00	471	0	0.00						
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	400.	124	0	0.00	57	0	0.00	67	0	0.00						
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	99	0	0.00	44	0	0.00	55	0	0.00						
	Drinking Water	50.	99	39	0.39	44	8	0.18	55	31	0.56						
01001 ARSENIC, SUSPENDED	Fresh Acute	360.	17	0	0.00	12	0	0.00	5	0	0.00						
	Drinking Water	50.	17	0	0.00	12	0	0.00	5	0	0.00						
01002 ARSENIC, TOTAL	Fresh Acute	360.	520	0	0.00	246	0	0.00	274	0	0.00						
	Drinking Water	50.	520	2	0.00	246	1	0.00	274	1	0.00						
01005 BARIUM, DISSOLVED	Drinking Water	2000.	67	0	0.00	38	0	0.00	29	0	0.00						
01006 BARIUM, SUSPENDED	Drinking Water	2000.	4	0	0.00	4	0	0.00									
01007 BARIUM, TOTAL	Drinking Water	2000.	35	0	0.00	15	0	0.00	20	0	0.00						
01010 BERYLLIUM, DISSOLVED	Fresh Acute	130.	47	0	0.00	27	0	0.00	20	0	0.00						
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	21	0	0.00	8	0	0.00	13	0	0.00						
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	62&	2	0.03	35	2	0.06	27	0	0.00						
	Drinking Water	5.	62&	1	0.02	35	1	0.03	27	0	0.00						
01026 CADMIUM, SUSPENDED	Fresh Acute	3.9	15	2	0.13	11	2	0.18	4	0	0.00						
	Drinking Water	5.	15	2	0.13	11	2	0.18	4	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	301&	5	0.02	154	4	0.03	147	1	0.01						
	Drinking Water	5.	301&	4	0.01	154	3	0.02	147	1	0.01						
01030 CHROMIUM, DISSOLVED	Drinking Water	100.	124	0	0.00	56	0	0.00	68	0	0.00						
01031 CHROMIUM, SUSPENDED	Drinking Water	100.	33	0	0.00	22	0	0.00	11	0	0.00						
01032 CHROMIUM, HEXAVALENT	Fresh Acute	16.	4&	0	0.00	1	0	0.00	3	0	0.00						
	Drinking Water	100.	5	0	0.00	2	0	0.00	3	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	525	2	0.00	234	0	0.00	291	2	0.01						
01040 COPPER, DISSOLVED	Fresh Acute	18.	130&	1	0.01	59	0	0.00	71	1	0.01						
	Drinking Water	1300.	131	0	0.00	60	0	0.00	71	0	0.00						
01041 COPPER, SUSPENDED	Fresh Acute	18.	31	1	0.03	19	0	0.00	12	1	0.08						
	Drinking Water	1300.	31	0	0.00	19	0	0.00	12	0	0.00						
01042 COPPER, TOTAL	Fresh Acute	18.	499&	98	0.20	236	39	0.17	263	59	0.22						
	Drinking Water	1300.	677	5	0.01	307	0	0.00	370	5	0.01						
01049 LEAD, DISSOLVED	Fresh Acute	82.	84	0	0.00	49	0	0.00	35	0	0.00						
	Drinking Water	5.	78&	12	0.15	44	7	0.16	34	5	0.15						
01050 LEAD, SUSPENDED	Fresh Acute	82.	32	2	0.06	20	1	0.05	12	1	0.08						
	Drinking Water	5.	32	16	0.50	20	11	0.55	12	5	0.42						
01051 LEAD, TOTAL	Fresh Acute	82.	615&	17	0.03	278	11	0.04	337	6	0.02						
	Drinking Water	5.	91&	69	0.76	46	34	0.74	45	35	0.78						
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	69	0	0.00	38	0	0.00	31	0	0.00						
	Drinking Water	100.	69	0	0.00	38	0	0.00	31	0	0.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	392	0	0.00	188	0	0.00	204	0	0.00						
	Drinking Water	100.	391&	13	0.03	188	3	0.02	203	10	0.05						
01075 SILVER, DISSOLVED	Fresh Acute	4.1	87&	19	0.22	43	5	0.12	44	14	0.32						
	Drinking Water	50.	110&	11	0.10	44	4	0.09	66	7	0.11						
01076 SILVER, SUSPENDED	Fresh Acute	4.1	5	0	0.00	4	0	0.00	1	0	0.00						
	Drinking Water	50.	5	0	0.00	4	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire GRSM Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
01077 SILVER, TOTAL	Fresh Acute	4.1	20&	0	0.00	12	0	0.00	8	0	0.00						
	Drinking Water	50.	40	0	0.00	20	0	0.00	20	0	0.00						
01090 ZINC, DISSOLVED	Fresh Acute	120.	112	0	0.00	57	0	0.00	55	0	0.00						
01091 ZINC, SUSPENDED	Fresh Acute	120.	30	0	0.00	18	0	0.00	12	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	719	38	0.05	353	10	0.03	366	28	0.08						
01097 ANTIMONY, TOTAL	Fresh Acute	88.	1&	0	0.00				1	0	0.00						
	Drinking Water	10.	0&	0	0.00												
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	67	0	0.00	38	0	0.00	29	0	0.00						
	Drinking Water	50.	67	0	0.00	38	0	0.00	29	0	0.00						
01146 SELENIUM, SUSPENDED	Fresh Acute	20.	5	0	0.00	4	0	0.00	1	0	0.00						
	Drinking Water	50.	5	0	0.00	4	0	0.00	1	0	0.00						
01147 SELENIUM, TOTAL	Fresh Acute	20.	26&	0	0.00	15	0	0.00	11	0	0.00						
	Drinking Water	50.	27	0	0.00	15	0	0.00	12	0	0.00						
22703 URANIUM, NATURAL DISSOLVED	Drinking Water	20.	25	0	0.00	13	0	0.00	12	0	0.00						
31501 COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	254	67	0.26	113	18	0.16	141	49	0.35						
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	43	24	0.56	19	8	0.42	24	16	0.67						
31508 COLIFORM, TOTAL, MPN, COMP. TEST, TUBE C	Other-Hi Lim.	1000.	90	0	0.00	23	0	0.00	67	0	0.00						
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	40	20	0.50	16	7	0.44	24	13	0.54						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1494	262	0.18	629	110	0.17	865	152	0.18						
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	113	3	0.03	58	0	0.00	55	3	0.05						
32101 BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32102 CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	0&	0	0.00												
32103 1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	0&	0	0.00												
32104 BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00				1	0	0.00						
32106 CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	2	0	0.00				2	0	0.00						
	Drinking Water	100.	2	0	0.00				2	0	0.00						
34010 TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00				1	0	0.00						
	Drinking Water	1000.	1	0	0.00				1	0	0.00						
34205 ACENAPHTHENE	Fresh Acute	1700.	1	0	0.00				1	0	0.00						
34210 ACROLEIN	Fresh Acute	68.	1	0	0.00				1	0	0.00						
34215 ACRYLONITRILE	Fresh Acute	7550.	1	0	0.00				1	0	0.00						
34301 CHLOROBENZENE	Drinking Water	100.	1	0	0.00				1	0	0.00						
34306 CHLORODIBROMOMETHANE, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
34346 1,2-DIPHENYLHYDRAZINE	Fresh Acute	270.	1	0	0.00				1	0	0.00						
34356 ENDOSULFAN, BETA	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
34361 ENDOSULFAN, ALPHA	Fresh Acute	0.22	1	0	0.00				1	0	0.00						
34371 ETHYLBENZENE	Fresh Acute	32000.	1	0	0.00				1	0	0.00						
	Drinking Water	700.	1	0	0.00				1	0	0.00						
34376 FLUORANTHENE	Fresh Acute	3980.	1	0	0.00				1	0	0.00						
34386 HEXACHLOROCYCLOPENTADIENE	Fresh Acute	7.	1	0	0.00				1	0	0.00						
34386 HEXACHLOROCYCLOPENTADIENE, TOTAL	Drinking Water	50.	1	0	0.00				1	0	0.00						
34396 HEXACHLOROETHANE	Fresh Acute	980.	1	0	0.00				1	0	0.00						
34403 IDENO (1,2,3-CD) PYRENE	Drinking Water	0.4	0&	0	0.00												
34423 METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	0&	0	0.00												
34447 NITROBENZENE	Fresh Acute	27000.	1	0	0.00												
34452 PARACHLOROMETA CRESOL	Fresh Acute	30.	1	0	0.00				1	0	0.00						
34461 PHENANTHRENE	Fresh Acute	30.	1	0	0.00				1	0	0.00						
34475 TETRACHLOROETHYLENE	Fresh Acute	5280.	1	0	0.00				1	0	0.00						
	Drinking Water	5.	0&	0	0.00												
34501 1,1-DICHLOROETHYLENE	Drinking Water	7.	1	0	0.00				1	0	0.00						
34506 1,1,1-TRICHLOROETHANE	Drinking Water	200.	1	0	0.00				1	0	0.00						
34511 1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	0&	0	0.00												
34536 1,2-DICHLOROBENZENE	Drinking Water	600.	1	0	0.00				1	0	0.00						
34541 1,2-DICHLOROPROPANE	Drinking Water	5.	0&	0	0.00												
34546 TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00												
34551 1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	9.	1	0	0.00				1	0	0.00						
34566 1,3-DICHLOROBENZENE	Drinking Water	600.	1	0	0.00				1	0	0.00						
34571 1,4-DICHLOROBENZENE	Drinking Water	75.	1	0	0.00				1	0	0.00						
34586 2-CHLOROPHENOL	Fresh Acute	4380.	1	0	0.00				1	0	0.00						
34601 2,4-DICHLOROPHENOL	Fresh Acute	2020.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire GRSM Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	10/01- 3/31 Obs	10/01- 3/31 Exceed	10/01- 3/31 Prop.	4/01- 9/30 Obs	4/01- 9/30 Exceed	4/01- 9/30 Prop.	n/a Obs	n/a Exceed	n/a Prop.	n/a Obs	n/a Exceed	n/a Prop.
34606	2,4-DIMETHYLPHENOL	Fresh Acute	2120.	1	0	0.00				1	0	0.00						
34611	2,4-DINITROTOLUENE	Fresh Acute	330.	1	0	0.00				1	0	0.00						
34694	PHENOL (C6H5OH) - SINGLE COMPOUND	Fresh Acute	10200.	1	0	0.00				1	0	0.00						
34696	NAPHTHALENE	Fresh Acute	2300.	1	0	0.00				1	0	0.00						
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00				1	0	0.00						
		Drinking Water	1.	0&	0	0.00												
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	400.	1	0	0.00				1	0	0.00						
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	0&	0	0.00												
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00				1	0	0.00						
		Drinking Water	5.	0&	0	0.00												
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00				1	0	0.00						
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00				1	0	0.00						
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00				1	0	0.00						
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	14	0	0.00	8	0	0.00	6	0	0.00						
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	12	0	0.00	7	0	0.00	5	0	0.00						
		Drinking Water	0.2	12	0	0.00	7	0	0.00	5	0	0.00						
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	11	0	0.00	7	0	0.00	4	0	0.00						
		Drinking Water	2.	11	0	0.00	7	0	0.00	4	0	0.00						
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	13	0	0.00	8	0	0.00	5	0	0.00						
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	13	0	0.00	8	0	0.00	5	0	0.00						
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	13	0	0.00	8	0	0.00	5	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	14	0	0.00	8	0	0.00	6	0	0.00						
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	5	0	0.00	3	0	0.00	2	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	14	0	0.00	8	0	0.00	6	0	0.00						
		Drinking Water	0.2	14	0	0.00	8	0	0.00	6	0	0.00						
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	8	0	0.00	5	0	0.00	3	0	0.00						
		Drinking Water	3.	8	0	0.00	5	0	0.00	3	0	0.00						
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	14	0	0.00	8	0	0.00	6	0	0.00						
		Drinking Water	0.4	14	0	0.00	8	0	0.00	6	0	0.00						
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	13	0	0.00	8	0	0.00	5	0	0.00						
		Drinking Water	0.2	13	0	0.00	8	0	0.00	5	0	0.00						
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	5	0	0.00	3	0	0.00	2	0	0.00						
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	9	0	0.00	6	0	0.00	3	0	0.00						
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Drinking Water	1.	0&	0	0.00												
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00				1	0	0.00						
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00				1	0	0.00						
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	10	0	0.00	6	0	0.00	4	0	0.00						
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	10	0	0.00	6	0	0.00	4	0	0.00						
71850	NITRATE NITROGEN, TOTAL (AS NO3)	Drinking Water	44.	218	0	0.00	96	0	0.00	122	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	258	0	0.00	119	0	0.00	139	0	0.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	56	0	0.00	33	0	0.00	23	0	0.00						
		Drinking Water	2.	56	0	0.00	33	0	0.00	23	0	0.00						
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	12	0	0.00	9	0	0.00	3	0	0.00						
		Drinking Water	2.	12	0	0.00	9	0	0.00	3	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	623	2	0.00	288	1	0.00	335	1	0.00						
		Drinking Water	2.	623	4	0.01	288	2	0.01	335	2	0.01						
80020	URANIUM, DISS. BY EXTRACTION FLUOROMETRI	Drinking Water	20.	18	0	0.00	11	0	0.00	7	0	0.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	21	0	0.00	3	0	0.00	18	0	0.00						
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	120	0	0.00	53	0	0.00	67	0	0.00						
82295	CHLORIDE DISSOLVED AS CL IN WATER	Fresh Acute	860000.	78	0	0.00	46	0	0.00	32	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

NPS Servicewide Inventory and Monitoring Program Level I Water Quality Parameter Inventory Data Evaluation and Analysis: Missing Level I Groups

There is STORET Data for Every Level I I&M Parameter Group Within the GRSM Study Area

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the GRSM Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (UEQ/L)	50	44	6	0	22
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	2282	322	1180	780	125
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	1144	4	741	399	64
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	7	0	7	0	4
00435	ACIDITY, TOTAL (MG/L AS CACO3)	31	10	13	8	24
00440	BICARBONATE ION (MG/L AS HCO3)	363	48	63	252	39
00445	CARBONATE ION (MG/L AS CO3)	146	0	50	96	20
		4023	428	2060	1535	298 (148)

pH		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	5598	1946	2725	927	140
00403	PH, LAB (STANDARD UNITS)	1017	420	582	15	103
		6615	2366	3307	942	243 (207)

Conductivity		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	2436	1830	506	100	54
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	2957	291	2060	606	137
00480	SALINITY - PARTS PER THOUSAND	2	2	0	0	1
		5395	2123	2566	706	192 (166)

Dissolved Oxygen		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	44	44	0	0	16
00300	OXYGEN, DISSOLVED (MG/L)	8459	2327	3684	2448	134
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	600	27	378	195	23
		9103	2398	4062	2643	173 (150)

Water Temperature		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	9191	2408	4193	2590	171
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	3	3	0	0	2
		9194	2411	4193	2590	173 (171)

Flow		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	3	0	3	0	3
00060	FLOW, STREAM, MEAN DAILY CFS	388	7	23	358	26
00061	FLOW, STREAM, INSTANTANEOUS CFS	3915	588	2368	959	43
00065	STAGE, STREAM (FEET)	1031	245	696	90	13
		5337	840	3090	1407	85 (68)

Clarity/Turbidity		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	430	1	241	188	29
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	903	337	453	113	35
00077	TRANSPARENCY, SECCHI DISC (INCHES)	39	6	8	25	15
00078	TRANSPARENCY, SECCHI DISC (METERS)	189	66	115	8	27
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	1366	442	757	167	85
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	21	21	0	0	3
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	120	114	6	0	33
		3068	987	1580	501	227 (129)

Nitrate/Nitrogen		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	69	0	45	24	15
00602	NITROGEN, DISSOLVED (MG/L AS N)	12	0	12	0	1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	455	19	283	153	27
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	41	0	32	9	3
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	138	72	44	22	6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	1787	420	944	423	126
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	44	23	1	20	28
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	201	0	19	182	23
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	45	2	33	10	3
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	1101	290	513	298	65
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	1594	387	850	357	107
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	134	72	52	10	4
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	116	0	116	0	22
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	128	38	78	12	6
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	218	0	113	105	24
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	260	78	51	131	45
		6343	1401	3186	1756	505 (200)

Phosphate/Phosphorus		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	137	0	114	23	25
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	113	0	61	52	34
00665	PHOSPHORUS, TOTAL (MG/L AS P)	1815	477	855	483	136
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	245	72	91	82	22
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	429	111	49	269	46
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	504	128	367	9	41
		3243	788	1537	918	304 (188)

Chlorophyll		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	37	29	8	0	14
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	17	0	17	0	7
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	89	46	28	15	16
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	58	26	8	24	21
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	12	0	12	0	4
		213	101	73	39	62 (37)

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	726	322	146	258	42
00945	SULFATE, TOTAL (MG/L AS SO4)	976	137	433	406	95
00946	SULFATE, DISSOLVED (MG/L AS SO4)	124	80	44	0	21
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	856	70	424	362	74
		2682	609	1047	1026	232 (147)

Bacteria		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	254	0	94	160	22
31503	COLIFORM, TOT, MEMBRANE FILTER,DELAY,M-ENDOMED,35C	6	0	0	6	1
31504	COLIFORM, TOT, MEMBRANE FILTER, IMME,L-ENDAGAR,35C	21	1	12	8	4
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	43	0	2	41	7
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	90	0	17	73	13
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	40	0	0	40	6
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	1494	263	875	356	50
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	113	67	46	0	3
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	170	99	70	1	4
		2231	430	1116	685	110 (55)

Toxic Elements		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01097	ANTIMONY, TOTAL (UG/L AS SB)	2	0	2	0	2
01000	ARSENIC, DISSOLVED (UG/L AS AS)	99	37	26	36	17
01001	ARSENIC, SUSPENDED (UG/L AS AS)	17	0	7	10	1
01002	ARSENIC, TOTAL (UG/L AS AS)	520	237	254	29	25
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	47	37	10	0	2
01012	BERYLLIUM, TOTAL (UG/L AS BE)	21	2	15	4	8
01025	CADMIUM, DISSOLVED (UG/L AS CD)	63	37	11	15	5
01026	CADMIUM, SUSPENDED (UG/L AS CD)	15	0	5	10	1
01027	CADMIUM, TOTAL (UG/L AS CD)	596	244	329	23	41
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	124	37	46	41	18
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	33	0	23	10	2
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	5	0	4	1	5
01034	CHROMIUM, TOTAL (UG/L AS CR)	525	199	295	31	39
01040	COPPER, DISSOLVED (UG/L AS CU)	131	37	47	47	19
01041	COPPER, SUSPENDED (UG/L AS CU)	31	0	21	10	2
01042	COPPER, TOTAL (UG/L AS CU)	677	244	380	53	66
01049	LEAD, DISSOLVED (UG/L AS PB)	84	37	30	17	5
01050	LEAD, SUSPENDED (UG/L AS PB)	32	0	22	10	2
01051	LEAD, TOTAL (UG/L AS PB)	616	243	343	30	42
71890	MERCURY, DISSOLVED (UG/L AS HG)	56	35	10	11	4
71895	MERCURY, SUSPENDED (UG/L AS HG)	12	0	2	10	1
71900	MERCURY, TOTAL (UG/L AS HG)	623	240	335	48	65
01065	NICKEL, DISSOLVED (UG/L AS NI)	69	57	5	7	5
01067	NICKEL, TOTAL (UG/L AS NI)	392	198	177	17	55
01145	SELENIUM, DISSOLVED (UG/L AS SE)	67	57	10	0	2
01146	SELENIUM, SUSPENDED (UG/L AS SE)	5	0	5	0	1
01147	SELENIUM, TOTAL (UG/L AS SE)	27	2	22	3	10
01075	SILVER, DISSOLVED (UG/L AS AG)	111	57	27	27	15
01076	SILVER, SUSPENDED (UG/L AS AG)	5	0	5	0	1
01077	SILVER, TOTAL (UG/L AS AG)	40	2	33	5	12
01090	ZINC, DISSOLVED (UG/L AS ZN)	112	37	32	43	9
01091	ZINC, SUSPENDED (UG/L ZN)	30	0	20	10	2
01092	ZINC, TOTAL (UG/L AS ZN)	719	243	426	50	68
00720	CYANIDE, TOTAL (MG/L AS CN)	34	0	24	10	15
34210	ACROLEIN, TOTAL (UG/L)	1	0	1	0	1
34215	ACRYLONITRILE, TOTAL (UG/L)	1	0	1	0	1
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	1	0	1	0	1
32104	BROMOFORM, WHOLE WATER, (UG/L)	1	0	1	0	1
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	1	0	1	0	1
34301	CHLOROBENZENE, TOTAL (UG/L)	1	0	1	0	1
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	1	0	1	0	1
34311	CHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	1	0	1	0	1
32106	CHLOROFORM, WHOLE WATER (UG/L)	2	0	2	0	2
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	1	0	1	0	1
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	1	0	1	0	1
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	1	0	1	0	1
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	1	0	1	0	1
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	1	0	1	0	1
34371	ETHYLBENZENE, TOTAL (UG/L)	1	0	1	0	1
34413	METHYL BROMIDE, TOTAL (UG/L)	1	0	1	0	1
34418	METHYL CHLORIDE, TOTAL (UG/L)	1	0	1	0	1
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	1	0	1	0	1
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1

Toxic Elements - Continued ...		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	1	0	1	0	1
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	1	0	1	0	1
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	1	0	1	0	1
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
34586	2-CHLOROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	1	0	1	0	1
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	1	0	1	0	1
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34591	2-NITROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34646	4-NITROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	1	0	1	0	1
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	1	0	1	0	1
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34205	ACENAPHTHENE, TOTAL (UG/L)	1	0	1	0	1
34200	ACENAPHTHYLENE, TOTAL (UG/L)	1	0	1	0	1
34220	ANTHRACENE, TOTAL (UG/L)	1	0	1	0	1
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	1	0	1	0	1
34247	BENZO-A-PYRENE, TOTAL (UG/L)	1	0	1	0	1
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	1	0	1	0	1
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	1	0	1	0	1
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	1	0	1	0	1
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	1	0	1	0	1
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	1	0	1	0	1
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	1	0	1	0	1
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	1	0	1	0	1
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	1	0	1	0	1
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	1	0	1	0	1
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	1	0	1	0	1
34320	CHRYSENE, TOTAL (UG/L)	1	0	1	0	1
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	1	0	1	0	1
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	1	0	1	0	1
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	1	0	1	0	1
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	1	0	1	0	1
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	1	0	1	0	1
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	1	0	1	0	1
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	1	0	1	0	1
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	1	0	1	0	1
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	1	0	1	0	1
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	1	0	1	0	1
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	1	0	1	0	1
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	1	0	1	0	1
34376	FLUORANTHENE, TOTAL (UG/L)	1	0	1	0	1
34381	FLUORENE, TOTAL (UG/L)	1	0	1	0	1
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	1	0	1	0	1
34396	HEXACHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	1	0	1	0	1
34696	NAPHTHALENE, TOTAL (UG/L)	1	0	1	0	1

Toxic Elements - Continued ...		Total Obs.	01/01/85 to 01/09/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34447	NITROBENZENE, TOTAL (UG/L)	1	0	1	0	1
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	1	0	1	0	1
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	1	0	1	0	1
34461	PHENANTHRENE, TOTAL (UG/L)	1	0	1	0	1
34469	PYRENE, TOTAL (UG/L)	1	0	1	0	1
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	1	0	1	0	1
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	14	0	8	6	2
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	1	0	1	0	1
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	1	0	1	0	1
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	12	0	8	4	2
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	1	0	1	0	1
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	11	0	8	3	2
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	13	0	7	6	1
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	13	0	7	6	1
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	13	0	7	6	1
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	14	0	8	6	2
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	1	0	1	0	1
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	1	0	1	0	1
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1	0	1	0	1
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	14	0	8	6	2
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	14	0	8	6	2
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	2
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	2	0	1	1	2
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
34671	PCB - 1016, TOTAL (UG/L)	1	0	1	0	1
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8	0	8	0	2
		6179	2319	3187	673	686 (78)

Water Quality Observations
Outside STORET Edit Criteria for GRSM

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter	Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
GRSM0007	01049 LEAD, DISSOLVED (UG/L AS PB)	740716	1300	7104.0000000	21NC01WQ	G3840000	X
GRSM0007	01049 LEAD, DISSOLVED (UG/L AS PB)	750729	1020	8865.0000000	21NC01WQ	G3840000	X
GRSM0009	00045 PRECIPITATION, TOTAL (INCHES PER DAY)	910710	1450	270.0000000	21NC01WQ	G8600000	X
GRSM0011	00927 MAGNESIUM, TOTAL (MG/L AS MG)	690514	1410	1100.0000000	21NC01WQ	G9200000	X
GRSM0011	00927 MAGNESIUM, TOTAL (MG/L AS MG)	710428	1640	1520.0000000	21NC01WQ	G9200000	X
GRSM0011	00927 MAGNESIUM, TOTAL (MG/L AS MG)	710728	1020	2000.0000000	21NC01WQ	G9200000	X
GRSM0011	00927 MAGNESIUM, TOTAL (MG/L AS MG)	710824	1045	1230.0000000	21NC01WQ	G9200000	X
GRSM0011	01067 NICKEL, TOTAL (UG/L AS NI)	680729	1445	16200.0000000	21NC01WQ	G9200000	X
GRSM0011	01067 NICKEL, TOTAL (UG/L AS NI)	681015	1600	37300.0000000	21NC01WQ	G9200000	X
GRSM0011	01067 NICKEL, TOTAL (UG/L AS NI)	690514	1410	10700.0000000	21NC01WQ	G9200000	X
GRSM0011	01067 NICKEL, TOTAL (UG/L AS NI)	700804	1250	14200.0000000	21NC01WQ	G9200000	X
GRSM0011	01067 NICKEL, TOTAL (UG/L AS NI)	701208	1530	7650.0000000	21NC01WQ	G9200000	X
GRSM0013	01049 LEAD, DISSOLVED (UG/L AS PB)	740716	1320	7106.0000000	21NC01WQ	G9220000	X
GRSM0013	01049 LEAD, DISSOLVED (UG/L AS PB)	750709		8049.0000000	21NC01WQ	G9220000	X
GRSM0013	01049 LEAD, DISSOLVED (UG/L AS PB)	750716	1400	8328.0000000	21NC01WQ	G9220000	X
GRSM0013	01049 LEAD, DISSOLVED (UG/L AS PB)	750729	1100	8867.0000000	21NC01WQ	G9220000	X
GRSM0013	01049 LEAD, DISSOLVED (UG/L AS PB)	750729	1110	8868.0000000	21NC01WQ	G9220000	X
GRSM0013	01049 LEAD, DISSOLVED (UG/L AS PB)	750729	1130	8869.0000000	21NC01WQ	G9220000	X
GRSM0013	01049 LEAD, DISSOLVED (UG/L AS PB)	750730	1335	9024.0000000	21NC01WQ	G9220000	X
GRSM0013	01049 LEAD, DISSOLVED (UG/L AS PB)	750731	0835	9134.0000000	21NC01WQ	G9220000	X
GRSM0013	01075 SILVER, DISSOLVED (UG/L AS AG)	750731	0835	7600.0000000	21NC01WQ	G9220000	X
GRSM0016	01049 LEAD, DISSOLVED (UG/L AS PB)	740716	1345	7107.0000000	21NC01WQ	G9240000	X
GRSM0016	01049 LEAD, DISSOLVED (UG/L AS PB)	750729	1155	8920.0000000	21NC01WQ	G9240000	X
GRSM0022	01049 LEAD, DISSOLVED (UG/L AS PB)	740716	1400	7108.0000000	21NC01WQ	G9260000	X
GRSM0022	01049 LEAD, DISSOLVED (UG/L AS PB)	750729	1230	8872.0000000	21NC01WQ	G9260000	X
GRSM0024	01049 LEAD, DISSOLVED (UG/L AS PB)	740716	1330	7105.0000000	21NC01WQ	G9210000	X
GRSM0024	01049 LEAD, DISSOLVED (UG/L AS PB)	750709		8048.0000000	21NC01WQ	G9210000	X
GRSM0024	01049 LEAD, DISSOLVED (UG/L AS PB)	750716	1315	8327.0000000	21NC01WQ	G9210000	X
GRSM0024	01049 LEAD, DISSOLVED (UG/L AS PB)	750729	1045	8866.0000000	21NC01WQ	G9210000	X
GRSM0024	01049 LEAD, DISSOLVED (UG/L AS PB)	750730	1315	9023.0000000	21NC01WQ	G9210000	X
GRSM0024	01049 LEAD, DISSOLVED (UG/L AS PB)	750731	0815	9133.0000000	21NC01WQ	G9210000	X
GRSM0024	01075 SILVER, DISSOLVED (UG/L AS AG)	750731	0815	7200.0000000	21NC01WQ	G9210000	X
GRSM0027	00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	870805	1250	0.0000000	21NC01WQ	G9280000	X
GRSM0027	01049 LEAD, DISSOLVED (UG/L AS PB)	740716	1430	7109.0000000	21NC01WQ	G9280000	X
GRSM0027	01049 LEAD, DISSOLVED (UG/L AS PB)	750729	1310	8875.0000000	21NC01WQ	G9280000	X
GRSM0037	00927 MAGNESIUM, TOTAL (MG/L AS MG)	680620	1600	4411.0000000	21NC01WQ	G9300000	X
GRSM0037	00927 MAGNESIUM, TOTAL (MG/L AS MG)	680814	1545	6960.0000000	21NC01WQ	G9300000	X
GRSM0037	00927 MAGNESIUM, TOTAL (MG/L AS MG)	690515	1340	3370.0000000	21NC01WQ	G9300000	X
GRSM0037	00927 MAGNESIUM, TOTAL (MG/L AS MG)	691015	1510	4933.0000000	21NC01WQ	G9300000	X
GRSM0037	00927 MAGNESIUM, TOTAL (MG/L AS MG)	700617	1600	5044.0000000	21NC01WQ	G9300000	X
GRSM0037	00927 MAGNESIUM, TOTAL (MG/L AS MG)	700804	1435	7700.0000000	21NC01WQ	G9300000	X

Water Quality Observations
Outside STORET Edit Criteria for GRSM

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
GRSM0037	00927	MAGNESIUM, TOTAL (MG/L AS MG)	710428	1000	1500.0000000	21NC01WQ	G9300000	
GRSM0037	00927	MAGNESIUM, TOTAL (MG/L AS MG)	710728	1545	6500.0000000	21NC01WQ	G9300000	X
GRSM0037	00927	MAGNESIUM, TOTAL (MG/L AS MG)	710824	1600	5656.0000000	21NC01WQ	G9300000	X
GRSM0037	01049	LEAD, DISSOLVED (UG/L AS PB)	730625	1445	4159.0000000	21NC01WQ	G9300000	X
GRSM0055	00916	CALCIUM, TOTAL (MG/L AS CA)	771206		1270.0000000	21NC01WQ	G9900000	X
GRSM0055	00927	MAGNESIUM, TOTAL (MG/L AS MG)	680620	1440	4787.0000000	21NC01WQ	G9900000	X
GRSM0055	00927	MAGNESIUM, TOTAL (MG/L AS MG)	680814	1500	7929.0000000	21NC01WQ	G9900000	X
GRSM0055	00927	MAGNESIUM, TOTAL (MG/L AS MG)	690515	1235	5835.0000000	21NC01WQ	G9900000	X
GRSM0055	00927	MAGNESIUM, TOTAL (MG/L AS MG)	691015	1345	5897.0000000	21NC01WQ	G9900000	X
GRSM0055	00927	MAGNESIUM, TOTAL (MG/L AS MG)	700617	1435	8130.0000000	21NC01WQ	G9900000	X
GRSM0055	00927	MAGNESIUM, TOTAL (MG/L AS MG)	700804	1550	8130.0000000	21NC01WQ	G9900000	X
GRSM0055	00927	MAGNESIUM, TOTAL (MG/L AS MG)	710428	1100	3635.0000000	21NC01WQ	G9900000	X
GRSM0055	00927	MAGNESIUM, TOTAL (MG/L AS MG)	710728	1445	7049.0000000	21NC01WQ	G9900000	X
GRSM0055	01049	LEAD, DISSOLVED (UG/L AS PB)	710824	1500	6561.0000000	21NC01WQ	G9900000	X
GRSM0059	00927	MAGNESIUM, TOTAL (MG/L AS MG)	730625	1400	4164.0000000	21NC01WQ	G9900000	X
GRSM0059	00927	MAGNESIUM, TOTAL (MG/L AS MG)	680814	1520	7929.0000000	21NC01WQ	G9990000	X
GRSM0059	00927	MAGNESIUM, TOTAL (MG/L AS MG)	691015	1410	5897.0000000	21NC01WQ	G9990000	X
GRSM0059	00927	MAGNESIUM, TOTAL (MG/L AS MG)	710428	1100	3635.0000000	21NC01WQ	G9990000	X
GRSM0059	00927	MAGNESIUM, TOTAL (MG/L AS MG)	710728	1580	7049.0000000	21NC01WQ	G9990000	X
GRSM0059	01049	LEAD, DISSOLVED (UG/L AS PB)	710824	1520	6561.0000000	21NC01WQ	G9990000	X
GRSM0063	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	730625	1420	4165.0000000	21NC01WQ	G9990000	X
GRSM0063	01049	LEAD, DISSOLVED (UG/L AS PB)	870805	1340	0.0000000	21NC01WQ	G9291000	X
GRSM0063	01049	LEAD, DISSOLVED (UG/L AS PB)	740716	1500	7110.0000000	21NC01WQ	G9291000	X
GRSM0063	01049	LEAD, DISSOLVED (UG/L AS PB)	750729	1335	8878.0000000	21NC01WQ	G9291000	X
GRSM0070	01049	LEAD, DISSOLVED (UG/L AS PB)	750729	1345	8879.0000000	21NC01WQ	G9291000	X
GRSM0070	01049	LEAD, DISSOLVED (UG/L AS PB)	730621	1500	4064.0000000	21NC01WQ	G8500000	X
GRSM0070	01049	LEAD, DISSOLVED (UG/L AS PB)	740916	1120	9965.0000000	21NC01WQ	G8500000	X
GRSM0070	01067	NICKEL, TOTAL (UG/L AS NI)	750129	1445	1210.0000000	21NC01WQ	G8500000	X
GRSM0073	01049	LEAD, DISSOLVED (UG/L AS PB)	700618	1100	2520.0000000	21NC01WQ	G8500000	X
GRSM0073	01049	LEAD, DISSOLVED (UG/L AS PB)	730621	1430	4063.0000000	21NC01WQ	G8200000	X
GRSM0073	01049	LEAD, DISSOLVED (UG/L AS PB)	740916	1100	9964.0000000	21NC01WQ	G8200000	X
GRSM0073	01067	NICKEL, TOTAL (UG/L AS NI)	750129	1410	1209.0000000	21NC01WQ	G8200000	X
GRSM0127	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	700618	1040	2130.0000000	21NC01WQ	G8200000	X
GRSM0185	00032	CLOUD COVER (PERCENT)	940503	1707	0.0000000	131TVAC	477634	X
GRSM0185	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	920520	1400	120.0000000	21NC01WQ	E6450000	X
GRSM0202	00951	FLUORIDE, TOTAL (MG/L AS F)	770718	0945	0.0000000	21NC01WQ	E6450000	X
GRSM0244	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	680729	1740	90.0000000	131TVAC	475463	X
			680313	1040	676.0000000	21TNWQ	002070	X

APPENDICES

Appendix A

Computer Files Transmitted With

Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to six (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E *COMPRESS.ZIP FILENAME.EXT*

where COMPRESS.ZIP is the name of one of the six compressed (ZIP) files listed below and FILENAME.EXT is the name of the file you wish to extract. If you want to decompress all of the files in COMPRESS.ZIP, simply omit the FILENAME.EXT. To simply obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V *COMPRESS.ZIP* |MORE

where COMPRESS.ZIP is the name of one of the six compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for FILENAME.EXT in the first command line to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) GRSMTABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) GRSMSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) GRSMAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) GRSMOV0.DOC - Overview of park and retrieved data.

(d) GRSMOV1.DOC - Station period of record table.

(e) GRSMOV2.DOC - Parameter period of record table.

(f) GRSMOV3.DOC - Station/parameter period of record table.

(g) GRSMINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(h) GRSMSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(i) GRSMEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(j) GRSMIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(k) GRSMBAD.DOC - Water quality observation values that were outside the range of one of 189 STORET edit criteria and were either discarded or retained.

All these compressed document files are in ASCII format and contain printer codes appropriate to Hewlett-Packard (or compatible) Laser Printers. While at the DOS prompt, any of these document files may be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the PRINT command. For example, if the document GRSMOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\GRSMOV1.DOC. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). Alternatively, you can use the PRINTZIP program to decompress and print any of these files provided the ZIP file doesn't span multiple disks. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) GRSMFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in .CGM format for parameter 00300 (dissolved oxygen) at station GRSM0001. While at the DOS prompt, any PCL file can be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the COPY command. For example, if the graphic 00100300.2CL (an annual box and whiskers plot of parameter 00300, dissolved oxygen, at station GRSM0001) is in the subirectory C:\WATER, you would type: COPY C:\WATER\00100300.2CL LPT1: /B. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). The /B is necessary because the PCL file is in a binary format. Alternatively, you can use the PRINTZIP program to decompress and print any of the PCL files provided the ZIP file doesn't span multiple disks. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) GRSMPARM.ZIP

This file compresses GRSMPARM.DBF which contains all the actual values (raw data) of all the water quality data downloaded from STORET and summarized in the report. The detailed database structure for this file is contained in Appendix B.

(4) GRSMSITE.ZIP

This compressed file contains four geo-referenced, DBASE III+ compatible site (point location) files documenting the location in the study area of water quality monitoring stations, industrial facilities discharges, drinking water intakes, and USGS stream gages. These files include:

(a) GRSMWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) GRSMIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) GRSMDRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) GRSMGAGE.DBF - All USGS stream gages within the study area downloaded from the GAGES database.

The absence of any of these files indicates that none of the particular sites were found within the study area. Detailed database structures for each of these files are contained in Appendix B.

(5) GRSMRF3.ZIP

This compressed file contains the Environmental Protection Agency's River Reach File Ver. 3.0 provisional data for the USGS catalog unit(s) encompassing the study area. The attribute data exist in both ASCII and DBASE III+ format, while the geographic traces exist in ASCII format. This compressed file contains four files for each catalog unit that touches the study area. Catalog units are identified by unique 8-character numeric names which identify the region, subregion, accounting unit, and catalog unit. Examples (your 8-character numeric names will be different) of the file types included in this compressed file are:

(a) 12345678.RF3 - ASCII formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(b) 12345678.DBF - DBASE III+ formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

(c) 12345678.TRC - ASCII formatted geographic file from the River Reach File containing digital, geo-referenced descriptions of all hydrographic traces within the catalog unit at a scale of 1:100,000 suitable for import into a geographic information system.

(d) 12345678.CUB - ASCII formatted geographic file from the River Reach File containing a digital, geo-referenced description of the catalog unit boundary suitable

for import into a geographic information system.

Detailed database structures for RF3-related files are contained in Appendix B.

(6) GRSMMISC.ZIP

This compressed file contains a variety of graphic and document files that are contained in the report. They are grouped into this miscellaneous compressed (ZIP) file because they don't fit neatly into any of the other compressed files. The files contained in this compressed file include:

(a) GRSMEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) GRSMTOC.DOC - WordPerfect Ver. 5.1 copy of the report's Table of Contents.

(c) INTRO.DOC - WordPerfect Ver. 5.1 copy of all the text in the report from the Introduction through the Interpretive Guide to Water Quality Results.

(d) GRSMREGI - .PCL and .CGM copies of map displaying the regional location of the park and study area.

(e) GRSMWQ - .PCL and .CGM copies of park maps displaying water quality station locations within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (GRSMWQA, GRSMWQB, GRSMWQC, etc.) and the index map name will end with an ampersand (&).

(f) GRSMIDG - .PCL and .CGM copies of park maps displaying locations of industrial facilities discharges, drinking water intakes, and stream gages within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (GRSMIDGA, GRSMIDGB, GRSMIDGC, etc.) and the index map name will end with an ampersand (&). If no industrial facilities discharges, drinking water intakes, or stream gages exist within the park's study area, these files will not be in the compressed (ZIP) file.

(g) GRSMSEHY - .PCL and .CGM copies of the hydrographs or other materials used by WRD staff as the basis for a first attempt at a seasonal analysis of the park's water quality data.

(h) APPENDIX.DOC - WordPerfect Ver. 5.1 copy of all the Appendices in the report.

Other materials may also be included in this miscellaneous compressed (ZIP) file as warranted by conditions at the park. As with GRSMFIGS.ZIP and GRSMTABS.ZIP, you can use the PRINTZIP program to print any of the .PCL files in GRSMMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files.

Appendix B

Water Quality Database File Structures

The following table provides the DBASE III+ database field structure for all the water quality parameter data downloaded from STORET. This data will allow parks or other interested parties to replicate the statistical analyses and graphics contained in this report; perform more sophisticated analyses; or to establish a baseline park water quality database.

Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
BEGDATE	9	14	6	Measurement Start Date [yymmdd]
BEGTIME	15	18	4	Measurement Start Time [hhmm]
PARMCODE	19	23	5	STORET Parameter Code
PARMVALU	24	39	16.7	Parameter Value
REMARK	40	40	1	Parameter Remark Value
				A=Value is Mean of 2 or More Determinations
				B=Results Based Upon Colony Counts Outside Acceptable Range
				C=Value Calculated
				D=Field Measurement
				E=Extra Sample Taken in Compositing Process
				F=Female Species
				G=Maximum of 2 or More Determinations
				H=Based on Field Kit Determination
				J=Estimated, Not the Result of Analytic Measurement
				K=Off-scale Low, Actual Value Not Known, But Known to be Less Than Value Shown
				L=Off-scale High, Actual Value Not Known, But Known to be Greater Than Value Shown
				M=Presence Verified, But Not Quantified, Below Quantification Limit; For Species, Male; For Oxygen Reduction Potential, Indicates a Negative Value

The following table provides the DBASE III+ database field structures for the EPA Industrial Facilities Discharge database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Industrial Facilities Discharges File: GRSMIFD.DBF in GRSMSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	9	9	Site Identifier (NPDES Number)
LATITUDE	10	17	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	18	26	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	27	37	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	38	48	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	49	59	11	RF1 Reach Number Location
RF1MILE	60	65	6.2	Mile Point on RF1 Reach
RF1DIST	66	71	6.2	Distance From RF1 Reach
RF3INDEX	72	88	17	RF3 Reach Number Location
RF3MILE	89	94	6.2	Mile Point on RF3 Reach
RF3DIST	95	100	6.2	Distance From RF3 Reach
ADR	101	125	25	Address
BFL	126	132	7.2	Total Direct Combined C&P Flow (1000 GPD)
CCFLG	133	133	1	Coastal County Flag "Y"/"N"/"E"=Estuary
CC1	134	138	5	City Code #1 (EPA Code)
CFL	139	145	7.2	Total Direct Cooling Flow (1000 GPD)
CNC	146	148	3	County Code (FIPS)
CTY	149	168	20	City Name
CZIP	169	177	9	Canadian Zip Code
DNB	178	186	9	Dunn & Bradstreet Number
DNBFLG	187	187	1	Dunn & Bradstreet PCS Source Flag
EGF	188	202	15.4	Flow From Effluent Guidelines (1000 GPD)
EGS	203	208	6	Effluent Guidelines Subcategory
EXPDT	209	216	8	Expiration Date (mm/dd/yy)
E308SN	217	220	4	Effluent Guidelines Survey Number

Industrial Facilities Discharges File: GRSMIFD.DBF in GRSMSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source
FFL	233	239	7.2	Total Facility Flow (1000 GPD)
FHF	240	240	1	Fac. Hit Flag (Reach File) V=Versar Assumed
FLOTYP	241	243	3	I=Blow Down, R=Bottom Ash, S=Fly Ash
FLR	244	250	7.2	Flow Recvd-Industrial (1000 GPD) Permit Data
FRDS	251	259	9	FRDS ID# - XREF To Water Supply
FRW	260	289	30	Facility Receiving Water Name
FS1	290	293	4	Facility SIC Code (From PCS)
FS2	294	297	4	Facility SIC Code #1
FS3	298	301	4	Facility SIC Code #2
FS4	302	305	4	Facility SIC Code #3
FS5	306	309	4	Facility SIC Code #4
FUD	310	317	8	Facility Level Last Date Updated (mm/dd/yy)
IACC	318	318	1	Inactive/Active Indicator ("I" or "A")
ICAT	319	320	2	WQAB Industrial Category
ICAT2	321	322	2	WQAB Industrial Category 2
ICAT3	323	324	2	WQAB Industrial Category 3
IFL	325	331	7	Total Indirect Flow (1000 GPD)
IFT	332	332	1	Illinois Facility Type (A thru Z)
IG1	333	334	2	Facility Industrial Group #1
IG2	335	336	2	Facility Industrial Group #2
IJCN	337	346	10	Canadian Record Identifier
INACT	347	353	7	Inactive/Rescinded P=Based on Permit;A=Actual
INDCNT	354	357	4	Computed Number of Indirect Dischargers
LATLON	358	372	15	Polygon Retrieval Lat/Long.
MAJ	373	373	1	Major-Minor Flag (From PCS)
MAPID	374	377	4	Map Identifier

Industrial Facilities Discharges File: GRSMIFD.DBF in GRSMSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)
NDSFLO	445	451	7.2	NEEDS Flow (1000 GPD)
NDSIFLO	452	458	7.2	NEEDS Industrial Flow (1000 GPD)
NID	459	462	4	Number of Indirect Dischargers
NPC	463	463	1	NEEDS Pre-Treatment Code "Y"=Yes, "N"=No
NPS	464	464	1	NPDES Facility Source/Status
NSN	465	473	9	NEEDS Survey Number
NTC	474	474	1	NEEDS Treatment Code
OCP	475	480	6	Organic Chemical Producers ID Number
ODESCC	481	481	1	ODES Coastal County "Y"=Yes; "N"=No
OFL	482	488	7.2	Total Non-Direct Other Flow (1000 GPD)
OWN	489	491	3	Ownership Code
PFL	492	498	7.2	Total Direct Process Flow (1000 GPD)
REG	499	500	2	EPA Region
REGKEY	501	504	4	Region Key
RSLOFLO	505	511	7.2	Receiving Stream Low Flow
RSMNFLO	512	518	7.2	Receiving Stream Mean Flow
STA	519	520	2	State Postal Abbreviation
STAID	521	535	15	State Identifier
STC	536	537	2	State Code (FIPS)
STCITY	538	544	7	State/City Code
TFLOW	545	551	7.2	Type Flow (1000 GPD)
UFL	552	558	7.2	Total Direct Undefined Flow (1000 GPD)
XEGS	559	561	3	Effluent Guidelines Subcat Index
XKEY	562	562	1	"1","2","3","4","5","6","7","8","9"
XNME	563	565	3	GLP,DIR,F2C,ENF,CET,LAG,PPB.M85,M86

Industrial Facilities Discharges File: GRSMIFD.DBF in GRSMSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
ZIP	566	570	5	Zip Code

The following table provides the DBASE III+ database field structures for drinking water intakes from the EPA DRINKS database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Drinking Water Intakes File: GRSMDRIN.DBF in GRSMSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	29	37	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
AQCD	112	115	4	Aquifer Code
ASC	116	138	23	STORET Agency/Station Code
AVGD	139	142	4	Average Depth
BUY	143	143	1	Purchase Code
CC1	144	148	5	City Code #1 (EPA Code)
CNC	149	151	3	County Code (FIPS)
CNME	152	166	15	Contact Name
CNN	167	186	20	County Name
CTITLE	187	201	15	Contact Title
CTY	202	221	20	City Name
DUD	222	229	8	Date of Update
FRDS	230	238	9	FRDS ID# - Cross-Reference
GEOAG	239	258	20	Geologic Age
GEOCDE	259	261	3	Geologic Age Code

Drinking Water Intakes File: GRSMDRIN.DBF in GRSMSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
IDAT	262	269	8	Date (mm/dd/yy)
INTAKET	270	270	1	Type Source G/S/B
INTRVWR	271	285	15	Interviewer
MAXD	286	289	4	Maximum Depth
MILES	290	296	7.2	Miles
MIND	297	300	4	Minimum Depth
NAME	301	320	20	Name
NPD	321	329	9	NPDES# XREF to IFD Database
NWLS	330	332	3	Number of Wells
OWN	333	335	3	Ownership
PAVGF	336	342	7.2	Production Avg. Daily (Gal/Day)
PCTSUP	343	345	3	%Surface / %Ground
PHONE	346	355	10	Telephone Number
PMAXF	356	362	7.2	Production Max. Daily (Gal/Day)
POPSV	363	371	9	Population Served
REG	372	373	2	EPA Region
SHLAT	374	379	6	Sitehelp Latitude (DDMMSS)
SHLNG	380	386	7	Sitehelp Longitude (DDDMMSS)
SHMILES	387	393	7.2	Sitehelp Miles
SHNME	394	403	10	Sitehelp Source Name
SHPCT	404	410	7.2	Sitehelp Percent of Reach Miles
SRC	411	413	3	Sitehelp Source Code
STA	414	415	2	State Abbreviation
STC	416	417	2	State Code (FIPS)
TUF	418	424	7.2	Total Utility Flow
TYPCDE	425	425	1	Type Code
UHF	426	426	1	Utility Hit Flag (Reach File)
VCDE	427	427	1	Versar Code='V'=>25K; '*'=<25K POPSVD

Drinking Water Intakes File: GRSMDRIN.DBF in GRSMSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the USGS Flow Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

USGS Flow Gages File: GRSMGAGE.DBF in GRSMSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (DDMMSS)
LONGITUDE	29	37	9	Facility Longitude (DDDMMSS)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
JAN	112	118	7.2	Monthly Flow - January
FEB	119	125	7.2	Monthly Flow - February
MAR	126	132	7.2	Monthly Flow - March
APR	133	139	7.2	Monthly Flow - April
MAY	140	146	7.2	Monthly Flow - May
JUN	147	153	7.2	Monthly Flow - June
JUL	154	160	7.2	Monthly Flow - July
AUG	161	167	7.2	Monthly Flow - August
SEP	168	174	7.2	Monthly Flow - September
OCT	175	181	7.2	Monthly Flow - October
NOV	182	188	7.2	Monthly Flow - November
DEC	189	195	7.2	Monthly Flow - December
RGN	196	197	2	Region Code
AREA	198	204	7.2	Drainage Area (SQ.MI.)

USGS Flow Gages File: GRSMGAGE.DBF in GRSMSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
DUD	205	212	8	Date of Update
FBCF	213	213	1	Flag - Basic Characteristic File ('Y')
FDFF	214	214	1	Flag - Daily Flows File ('Y')
FQMINV	215	224	10	IHS Pt. Files Index
GHF	225	225	1	Hit Flag (Reach File)
ICDE	226	226	1	Integrity Code
LFVEL	227	233	7.2	Low Flow Velocity
METHOD	234	236	3	Calculation Method Code
MFVEL	237	243	7.2	Mean Flow Velocity
MNFLO	244	250	7.2	USGS Mean Annual Flow
NME	251	270	20	Station Name
SHLAT	271	276	6	Sitehelp Latitude (DDMMSS)
SHLNG	277	283	7	Sitehelp Longitude (DDDMMSS)
SHMILES	284	290	7.2	Sitehelp Miles
SHNME	291	300	10	Sitehelp Source Name
SHPCT	301	307	7.2	Sitehelp Percent of Reach Miles
SITE	308	309	2	Site Location
SRC	310	312	3	Sitehelp Source Code
STCTY	313	317	5	State/County Numeric Code
SVTEN	318	324	7.2	USGS 7-10 Year Flow

The following table provides the ASCII and DBASE III+ database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) attributes. The actual numeric file names will vary depending on the catalog unit(s). This information can be readily incorporated into the park's Geographic Information System.

RF3 Structure File: 12345678.RF3 and 12345678.DBF in GRSMRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
CATUNIT	1	8	8	Cataloging Unit (CU)
SEGM	9	12	4	Segment Number (SEG)
MI	13	17	5.2	Mile Point (MI)
UPMI	18	22	5.2	Upstream Mile Pt.
SEQNO	23	33	11.6	Hydro Sequence No.
RFLAG	34	34	1	Reach Flag (0,1)
OWFLAG	35	35	1	Open Water Flag (0,1)
TFLAG	36	36	1	Terminal Flag (0,1)
SFLAG	37	37	1	Start Flag (0,1)
RCHTYPE	38	38	1	Reach Type Code
LEV	39	40	2	Stream Level
JUNC	41	42	2	Level of Downstream Reach
DIVERGENCE	43	43	1	Divergence Code
STARTCU	44	51	8	Start CU
STRTSG	52	55	4	Start SEG
STOPCU	56	63	8	Stop CU
STOPSG	64	67	4	Stop SEG
USDIR	68	68	1	Upstream Direction
TERMID	69	73	5	Terminal Stream ID
TRMBLV	74	74	1	Terminal Base Level
PNAME	75	104	30	Primary Name
PNMCD	105	115	11	Primary Name Code
CNAME	116	145	30	Complement Name
CNMCD	146	156	11	Complement Name Code

RF3 Structure File: 12345678.RF3 and 12345678.DBF in GRSMRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
OWNAME	157	186	30	Open Water Name
OWNMCD	187	197	11	Open Water Name Code
DSCU	198	205	8	Downstream CU
DSSEG	206	209	4	Downstream SEG
DSMI	210	214	5.2	Downstream MI
CCU	215	222	8	Complement CU
CSEG	223	226	4	Complement SEG
CMILE	227	231	5.2	Complement MI
CDIR	232	232	1	Complement Direction
ULCU	233	240	8	Upstream Left CU
ULSEG	241	244	4	Upstream Left SEG
ULMI	245	249	5.2	Upstream Left MI
URCU	250	257	8	Upstream Right CU
URSEG	258	261	4	Upstream Right SEG
URMI	262	266	5.2	Upstream Right MI
SEGL	267	272	6.2	Reach Length (Miles)
RFORGFLAG	273	273	1	RF Orgin flag(1,2,3)
ALTPNMCD	274	281	8	Alt. Primary Name Code
ALTOWNMC	282	289	8	Alt. OW Name Code
DLAT	290	297	8.4	Downstream Latitude
DLONG	298	305	8.4	Downstream Longitude
ULAT	306	313	8.4	Upstream Latitude
ULONG	314	321	8.4	Upstream Longitude
MINLAT	322	329	8.4	Minimum Latitude
MINLONG	330	337	8.4	Minimum Longitude
MAXLAT	338	345	8.4	Maximum Latitude
MAXLONG	346	353	8.4	Maximum Longitude
NDLGREC	354	357	4	No. of DLG Records

RF3 Structure File: 12345678.RF3 and 12345678.DBF in GRSMRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
LL1KEY1	358	367	10	Starting DLG LL Key1
LL2KEY1	368	377	10	Ending DLG LL Key1
LL1KEY2	378	387	10	Starting DLG LL Key2
LL2KEY2	388	497	10	Ending DLG LL Key2
LL1KEY3	398	407	10	Starting DLG LL Key3
LL2KEY3	408	417	10	Ending DLG LL Key3
LL1KEY4	418	427	10	Starting DLG LL Key4
LL2KEY4	428	437	10	Ending DLG LL Key4
LL1KEY5	438	447	10	Starting DLG LL Key5
LL2KEY5	448	457	10	Ending DLG LL Key5
LL1KEY6	458	467	10	Starting DLG LL Key6
LL2KEY6	468	477	10	Ending DLG LL Key6
LL1KEY7	478	487	10	Starting DLG LL Key7
LL2KEY7	488	597	10	Ending DLG LL Key7
LL1KEY8	498	507	10	Starting DLG LL Key8
LL2KEY8	508	517	10	Ending DLG LL Key8
LL1KEY9	518	527	10	Starting DLG LL Key9
LL2KEY9	528	537	10	Ending DLG LL Key9
LL1KEY10	538	547	10	Start DLG LL Key 10
LL2KEY10	548	557	10	Ending DLG LL Key10
LN1AT2	558	561	4	DLG Line Attr. 1
LN2AT2	562	565	4	DLG Line Attr. 2
AREA1	566	569	4	DLG Area ID 1
AREA2	570	573	4	DLG Area ID 2
AR1AT2	574	577	4	DLG Area Attribute
AR1AT4	578	581	4	DLG Area Attribute
AR2AT2	582	585	4	DLG Area Attribute
AR2AT4	586	589	4	DLG Area Attribute

RF3 Structure File: 12345678.RF3 and 12345678.DBF in GRSMRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1
UPDTSRC1	604	611	8	Update Source #1
UPDATE2	612	617	6	Update Date #2 (mmddyy)
UPDTCD2	618	625	8	Update Type Code#2
UPDTSRC2	626	633	8	Update Source #2
UPDATE3	634	639	6	Update Date #3 (mmddyy)
UPDTCD3	640	647	8	Update Type Code #3
UPDTSRC3	648	655	8	Update Source #3
DIVCU	656	663	8	Divergent CU
DIVSEG	664	667	4	Divergent SEG
DIVMILE	668	672	5.2	Divergent MI
DLGID	673	678	6	DLG Number Special Use For Internal State Codes
FILLER	678	685	7	Filler: Future Use

Note: The structure for the .DBF file varies slightly from the RF3 structure displayed here in that the fields UPDATE1, UPDATE2, and UPDATE3 have a width of 8 and the last two fields, DLGID and FILLER, have been replaced with a field named ID of length 17. This ID field combines the CATUNIT, SEGM, and MI fields.

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) traces. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual hydrographic network and is suitable for conversion into a variety of Geographic Information System formats.

RF3 Trace File: 12345678.TRC in GRSMRF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
(Header Record)				
CATUNIT	1	8	8	Cataloging Unit
SEGM	9	12	4	Segment Number
MI	13	17	5.2	Mile Point
NPTS	18	21	4	Number of Lat/Lon Coordinates
(Coordinate Record)				
LATITUDE	1	8	8.4	Latitude in Decimal
LONGITUDE	9	16	8.4	Longitude in Decimal
FILLER	17	21	5	

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) catalog unit boundary file. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual catalog unit boundary and is suitable for conversion into a variety of Geographic Information System formats.

Catalog Unit Boundary File: 12345678.CUB in GRSMRF3.ZIP
First Line = Catalog Unit Number (8 Characters)
Subsequent Lines:
L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS,L=DDMMSS,L=DDDMMSS, ...
Example:
02070010
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,
...
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,
L=391107,L=0770922,
There can be as many as four latitude/longitude pairs per line.

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

Encyclopedia File: WRD File For Internal Use Only				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 189 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0

STORET Code	STORET Parameter Description	High Value	Low Value
00299	OXYGEN ,DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT,MEMBRANE FILTER,IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT,MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT,MEMBR FILTER,IMMED,LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR,44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI,PLATE COUNT M-ENTER AGAR,35C48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI,MPN,AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR,35C,48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A,% OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE),WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEOHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)
00025	BAROMETRIC PRESSURE (MM OF HG)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00032	CLOUD COVER (PERCENT)
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00035	WIND VELOCITY (MILES PER HOUR)
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00040	WIND DIRECTION, AZIMUTH
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00045	PRECIPITATION, TOTAL (INCHES PER DAY)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00046	PRECIPITATION, TOTAL (INCHES PER WEEK)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00052	HUMIDITY, RELATIVE (PERCENT)
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0,CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY,ACUTE 24HR(STATIC)CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)

Appendix D

STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSNC OF COMMENTS ON THIS ANML
85046	HAB.,ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary[1]

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50'	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50'	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		400[P]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299	4.0				OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300	4.0				OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				<6.5, >9.0[#]	PH	SU	Physical
	00403				<6.5, >9.0[#]	PH, LAB	SU	Physical
	00406				<6.5, >9.0[#]	PH, FIELD	SU	Physical

[1]Sources: (1) U.S. Environmental Protection Agency's Quality Criteria for Water 1986 and its two updates; (2) Federal Register 40 CFR, Part 131, Environmental Protection Agency Water Quality Standards; Establishment of Numeric Criteria for Priority Toxic Pollutants; States' Compliance; Final Rule, Tuesday, December 22, 1992; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200*	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22		1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22		1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022		0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022		0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22		1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22		1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860				CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860				CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		400[P]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		400[P]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM,TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0[P]	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*				BERYLLIUM,TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM,TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*				BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*				BERYLLIUM, SUSPENDED	UG/L	Metal
7440417	01012	130*				BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9*	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9*	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9*	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700*	100			CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18*	1300P	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18*	1300P	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18*	1300P	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82*	5.0P	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82*	5.0P	220		LEAD, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7439921	01051	82*	5.0P	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0P	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0P	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0P	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400*	100P	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400*	100P	75		NICKEL, SUSPENDED	UG/L	Metal
7440020	01067	1400*	100P	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400*	100P	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1*	50	2.3		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1*	50	2.3		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1*	50	2.3		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1*	50	2.3		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018*	1.3P	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120*		95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120*		95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120*		95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120*		95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88P	10P	1500P		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88P	10P	1500P		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88P	10P	1500P		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9*	5.0	43		CADMIUM,TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82*	5.0P	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18*	1300P	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400*	2.0P	2130*		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400*	2.0P	2130*		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88[P]	10[P]	1500[P]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22		1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120*		0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041	0.005	0.0023		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018*	1.3[P]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	100	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13*				BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039*	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7*	100			CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082*	0.005[P]	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4*	0.1[P]	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440280	01324	1.4*	0.002[P]	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1*	50	2.3		SILVER, IONIC	UG/L	Metal
122349	04035		1.0[P]			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	360	50	69		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0[p]			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0[n]		1000[b]	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0[n]		1000[b]	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200[^]	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological
	31614				200[^]	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200[^]	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200[^]	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200[^]	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200[^]	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31648	126^				E. COLI	CFU/100ML	Bacteriological
	31649	33^		35^		ENTEROCOCCI	CFU/100ML	Bacteriological
67663	32003	28900*				CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*				CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*				CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*				CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
71432	34236	5300*	5.0	5100*		BENZENE	UG/L	General Organic
92875	34239	2500*				BENZIDINE	UG/L	General Organic
92875	34240	2500*				BENZIDINE	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA	UG/L	Pesticide
75252	34288		100			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE	UG/L	General Organic
108907	34301		100			CHLOROBENZENE	UG/L	General Organic
108907	34302		100			CHLOROBENZENE	UG/L	General Organic
108907	34303		100			CHLOROBENZENE	UG/L	General Organic
124481	34306		100			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900*	100			CHLOROFORM	UG/L	General Organic
67663	34317	28900*	100			CHLOROFORM	UG/L	General Organic
57125	34325	0.022		0.001		CYANIDE	MG/L	General Inorganic
75274	34328		100			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270*				1,2-DIPHENYLHYDRAZINE	UG/L	General Organic
122667	34347	270*				1,2-DIPHENYLHYDRAZINE	UG/L	General Organic
122667	34348	270*				1,2-DIPHENYLHYDRAZINE	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA	UG/L	Pesticide
100414	34371	32000*	700	430*		ETHYLBENZENE	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE	UG/L	General Organic
77474	34386		50P			HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34386	7.0*		7.0*		HEXACHLOROCYCLOPENTADIENE	UG/L	General Organic
77474	34387		50P			HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34387	7.0*		7.0*		HEXACHLOROCYCLOPENTADIENE	UG/L	General Organic
77474	34388		50P			HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
77474	34388	7.0*		7.0*		HEXACHLOROCYCLOPENTADIENE	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE	UG/L	General Organic
118741	34401		1.0P			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34401	6.0P				HEXACHLOROBENZENE	UG/L	General Organic
118741	34402		1.0P			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
118741	34402	6.0P				HEXACHLOROBENZENE	UG/L	General Organic
193395	34403		0.40P			IDENO (1,2,3-CD) PYRENE	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
193395	34404		0.40[P]			IDENO (1,2,3-CD) PYRENE	UG/L	General Organic
193395	34405		0.40[P]			IDENO (1,2,3-CD) PYRENE	UG/L	General Organic
78591	34408	117000*		12900*		ISOPHORONE	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE	UG/L	Pesticide
75092	34423		5.0[P]			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0[P]			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0[P]			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE	UG/L	General Organic
98953	34447	27000		6680*		NITROBENZENE	UG/L	General Organic
98953	34448	27000		6680*		NITROBENZENE	UG/L	General Organic
98953	34449	27000		6680*		NITROBENZENE	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL)	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL)	UG/L	Pesticide
85018	34461	30[P]		7.7[P]		PHENANTHRENE	UG/L	General Organic
85018	34462	30[P]		7.7[P]		PHENANTHRENE	UG/L	General Organic
85018	34463	30[P]		7.7[P]		PHENANTHRENE	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL	UG/L	General Organic
108952	34467	10200*		5800*		PHENOL	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108883	34481	17500*	1000	6300*		TOLUENE	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE	UG/L	General Organic
79005	34511		5.0[P]			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0[P]			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0[P]			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		9.0[P]			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		9.0[P]			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		9.0[P]			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE	UG/L	General Organic
106467	34571		75			1,4-DICHLOROBENZENE	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL	UG/L	General Organic
121142	34611	330*				2,4-DINITROTOLUENE	UG/L	General Organic
121142	34612	330*				2,4-DINITROTOLUENE	UG/L	General Organic
121142	34613	330*				2,4-DINITROTOLUENE	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD	UG/L	General Organic
72548	34652	0.6*		3.6*		P,P'-DDD	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34655	1.1		0.13		P,P'-DDT	UG/L	Pesticide
50293	34656	1.1		0.13		P,P'-DDT	UG/L	Pesticide
1746016	34675	0.01*	0.00005P			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD)	UG/L	General Organic
1746016	34676	0.01*	0.00005P			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD)	UG/L	General Organic
1746016	34677	0.01*	0.00005P			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD)	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER	UG/L	Pesticide
88857	38779		7.0P			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0P			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200P			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200P			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200P			OXAMYL, SUSPENDED	UG/L	Pesticide
145733	38926		100P			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		1.0P			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039		1.0[P]			HEXACHLOROBENZENE, WATER SAMPLE ELECTRON CPT	UG/L	Pesticide
118741	39039	6.0[P]				HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		1.0[P]			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	400[P]		400[P]		BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	400[P]		400[P]		BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	400[P]		400[P]		BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.940[*]		2.944[*]		PHTHLATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000[*]	5.0	2000[*]		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39310	0.6[*]		3.6[*]		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050[*]		14[*]		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6[*]		3.6[*]		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6[*]		3.6[*]		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	0.20	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	0.20	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	0.20	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0[P]				HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
118741	39700		1.0[P]			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90[*]		32[*]		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500[P]			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700[P]			ROUNDUP IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22		1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9*	5.0	43		CADMIUM,FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18*	1300P	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82*	.0P	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1	50	2.3		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120*		95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWNS AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
16887006	70352	860				CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY,TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9*	5.0	43		CADMIUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82*	5.0P	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120*		95		ZINC, EXTRACTABLE	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440508	71951	18*	1300P	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100P		240P		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22		1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
14808798	78462		400P			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20P			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100			CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022		0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
88857	81287		7.0P			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0*	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18*	1300P	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal
7440020	81752	1400*	100P	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120*		95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
25323891	81853	18000*				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120*		95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82*	5.0P	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9*	5.0	43		CADMIUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18*	1300P	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120*		95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18*	1300P	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120*		95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50I	TURBIDITY, FIELD	NTU	Physical
	82079				50I	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0P			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000				CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic
72435	82350		40			METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide
72435	82351		40			METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide
115297	82354	0.22		0.034		ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022		0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
23135220	82613		200P			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide

Footnote Key:

*Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

+Hardness Dependent Criteria (100 mg/L $CaCO_3$ Used).

***pH Dependent Criteria (7.8 pH Used).

PProposed Criterion.

"Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

^EPA geometric mean criterion based on at least 5 samples equally spaced over a 30-day period.

#EPA freshwater aquatic life chronic criterion.

!Arizona state standard.

nTotal coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

bCalifornia and Florida state bathing water standards.

For detailed summaries of each parameter, refer to the EPA's Quality Criteria for Water 1986 and its two updates.

Appendix G

Inventory Data Evaluation and Analysis (IDEA)
Servicewide Inventory and Monitoring Program "Level I"
Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-

STORET Code	Flow Parameter Group[1]	C.A.S. Number
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

[1]Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-

STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-

STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447

STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (µEQ/L)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO3)	471341
00440	BICARBONATE ION (MG/L AS HCO3)	71523
00445	CARBONATE ION (MG/L AS CO3)	3812326

STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	14797650

STORET Code	Phosphate/Phosphorus Parameter Group	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140

STORET Code	Sulfates/Total Dissolved Solids/Hardness Parameter Group	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-

STORET Code	Chlorophyll Parameter Group	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER,TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280





As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.

May 1995

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