Baseline Water Quality Data

Inventory and Analysis

Pecos National Historical Park



Water Resources Division and Servicewide Inventory and Monitoring Program

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

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BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

PECOS NATIONAL HISTORICAL PARK

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-95/66

SEPTEMBER 1995

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

EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Pecos National Historical Park (PECO) from six of the United States Environmental Protection Agency's (EPA) national databases: (1) Storage and Retrieval (STORET) water quality database management system; (2) River Reach File (RF3); (3) Industrial Facilities Discharge (IFD); (4) Drinking Water Supplies (DRINKS); (5) Water Gages (GAGES); and (6) Water Impoundments (DAMS). This document is one product resulting from a cooperative contractual endeavor between the National Park Service's Servicewide Inventory and Monitoring Program, the National Park Service's Water Resources Division (WRD), and Horizon Systems Corporation to retrieve, format, and analyze water quality data for all units of the National Park System containing significant water resources. The primary goal of the project is to provide descriptive water quality information in a manner and format that is both consistent with the goals of the Servicewide Inventory and Monitoring Program and useable by park resource managers. The document provides: (1) a complete inventory of all retrieved water quality parameter data, water quality stations, and the entities responsible for the data collection; (2) descriptive statistics and appropriate graphical plots of water quality data characterizing annual and seasonal central tendencies and trends; (3) a comparison of the park's water quality data to relevant EPA and WRD water quality screening criteria; and (4) an Inventory Data Evaluation and Analysis (IDEA) to determine what Servicewide Inventory and Monitoring Program "Level I" water quality parameters have been measured within the study area. Accompanying the report are disks containing digital copies of all data used in the report, as well as all components of the report (tables, figures, etc.).

The results of the retrievals for the study area from the IFD, DRINKS, GAGES, and DAMS databases located no industrial/municipal dischargers; one drinking water intake; six active or inactive U. S. Geological Survey gaging stations; and one water impoundment. The results of the STORET retrieval for the study area yielded 25,150 observations for 321 separate parameters collected by five state and federal agencies at 54 monitoring stations. Of the 54 monitoring stations, six were established but contained no data (PECO 0022, PECO 0036, PECO 0043, PECO 0046, PECO 0048, PECO 0052) and one was used only for monitoring fish tissues (PECO 0054). Four stations were located within the park boundary (PECO 0001, PECO 0002, PECO 0003, PECO 0004). Most of the sampling stations represent either one-time or intensive single-year sampling efforts by the collecting agencies. Twenty-two stations within the study area yielded longer-term records consisting of multiple observations for several important water quality parameters. These stations are: (1) Pecos River At Monastary Lake (PECO 0010); (2) Pecos River Due West Of Monastery Lake (PECO 0011); (3) Pecos At Hatchery Diversion (PECO 0013); (4) Hatchery Raceway C6 (PECO 0015); (5) Hatchery Raceway C7 (PECO 0016); (6) Hatchery Raceway D1 (PECO 0017); (7) Pecos At Dalton Fishing Site (PECO 0019); (8) Dalton Canyon Creek 20 M West Of Hwy 63 Brdg (PECO 0020); (9) Pecos R. Immed Abv. Mouth Of Rio Mora (PECO 0023); (10) Santa Fe R At USGS Gaging Sta (PECO 0025); (11) Santa Fe River Above McClure Res (PECO 0028); (12) Indian Creek 3M West Of Hwy 63 Brdg (PECO 0031); (13) Holy Ghost Cr 300M Upstrm Hwy63 Br Over Pecos R (PECO 0039); (14) Pecos R At Terrero, NM (PECO 0040); (15) Willow Creek Abv Spoils (PECO 0041); (16) Low Cr Blw White Drain (PECO 0042); (17) White Flow From Mine Spoils (PECO 0044); (18) Willow Crk 70M Upstrm Hwy 63 Brdg (PECO 0045); (19) Pecos River 400M Above Confluence W Willow Ck (PECO 0047); (20) Rio Mora Near Terrero, NM (PECO 0050); (21) Rio Mora At USGS Gaging Station (PECO 0051); and (22) Rio Mora At USGS Gage 08377900 (PECO 0053)[†]. No stations having longer-term records were located within the park boundary.

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or recording procedures. The reader is advised to read the Introduction for additional caveats in interpreting the exceeded criteria in this report. The results of the PECO water quality criteria screen found 14 parameters that exceeded screening criteria at least once within the study area. The pH, cadmium, copper, lead, selenium, silver, and zinc exceeded their respective EPA acute or chronic criteria for the protection of freshwater aquatic life.

[†]Water quality station location descriptions are verbatim from STORET. Any misspellings and abbreviations in STORET are replicated in this document.

Nitrate, sulfate, beryllium, cadmium, copper, lead, nickel, and zinc exceeded their respective EPA drinking water criteria. Bacteria concentrations (total coliform and fecal coliform), and turbidity exceeded the WRD screening limits for freshwater bathing and aquatic life, respectively.

The pH was measured 937 times at 43 monitoring stations throughout the study area from 1962 through 1995. Thirty-four observations at eight monitoring stations were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life) (PECO 0002, PECO 0010, PECO 0035, PECO 0038, PECO 0042, PECO 0044, PECO 0049, PECO 0050). Twelve observations were greater than or equal to pH 9.0, and 22 observations were less than or equal to pH 6.5. The highest reported pH was 9.2 SU in the Pecos River at Monastery Lake (PECO 0010) in October 1975. The lowest pH was 3.5 SU in White Flow from Mine Spoils (PECO 0044) in August 1991.

Turbidity was measured 667 times at 40 monitoring stations from 1967 through 1992. Of the 661 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), 10 observations in Low Creek Below White Drain (PECO 0042) and White Flow from Mine Spoils (PECO 0044) exceeded the WRD screening criterion of 50 nephelometric turbidity units (NTU). The highest reported value was 1,000 NTU in October 1991 (PECO 0044).

Total coliform concentrations were determined 95 times at four monitoring stations from 1967 through 1980. One observation of 2,500 Colony Forming Units per 100 milliliters (CFU/100 ml) in the Pecos River at the Dalton Fishing Site (PECO 0019) exceeded the 1,000 CFU/100 ml WRD screening criterion in July 1970. Fecal coliform concentrations were determined 411 times at 14 stations from 1969 through 1992. Of the 408 observations used in the criteria analysis (see Remark Code Screen in the Methodology for explanation), twenty observations in the Pecos River (PECO 0005, PECO 0008, PECO 0012, PECO 0021, PECO 0029, PECO 0040) and Rio Mora near Terrero, New Mexico (PECO 0050) exceeded the 200 CFU/100 ml WRD screening criterion. The highest reported fecal coliform concentration was 1,400 CFU/100 ml in the Pecos River below the Lisboa Springs Hatchery (PECO 0012) in August 1976.

Nitrate concentrations (including dissolved and total as N, and dissolved as NO_3) were measured 190 times at 24 monitoring stations from 1962 through 1991. One total concentration of 10.5 milligrams per liter (mg/L) in the Santa Fe River at a USGS Gaging Station (PECO 0025) exceeded the drinking water criterion of 10 mg/L in September 1970.

Sulfate concentrations (including dissolved and total as SO_4) were measured 512 times at 32 monitoring stations from 1962 through 1992. Ten total concentrations ranging from 1,120 mg/L to 9,300 mg/L in Low Creek Below White Drain (PECO 0042) and White Flow from Mine Spoils (PECO 0044) exceeded the secondary drinking water criterion of 250 mg/L from 1990 through 1992.

Beryllium concentrations (including dissolved and total) were measured 275 times at 20 monitoring stations from 1969 through 1992. Two total concentrations of 100 micrograms per liter (µg/L) in White Flow from Mine Spoils (PECO 0044) exceeded the drinking water criterion of 4.0 µg/L in August and October 1991.

Cadmium concentrations (including dissolved and total) were measured 447 times at 29 monitoring stations from 1969 through 1992. Of the 438 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 83 observations in the Pecos River (PECO 0013, PECO 0040), Low Creek Below White Drain (PECO 0042), White Flow from Mine Spoils (PECO 0044), Willow Creek Upstream of the Highway 63 Bridge (PECO 0045), and Rio Mora Near Terrero, New Mexico (PECO 0050) exceeded the drinking water criterion of 5.0 µg/L and/or the acute freshwater criterion of 3.9 µg/L. About 84 percent of the observations exceeding the criteria were recorded near mine spoils (PECO 0042, PECO 0044).

Copper concentrations (including dissolved and total) were measured 471 times at 28 monitoring stations from 1966 through 1992. Of the 161 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 73 concentrations at nine

monitoring stations (PECO 0017, PECO 0019, PECO 0025, PECO 0042, PECO 0044, PECO 0045, PECO 0049, PECO 0050, PECO 0051) exceeded the drinking water action level of 1,300 µg/L and/or the acute freshwater criterion of 18 µg/L. About 66 percent of the observations exceeding the criteria were recorded near mine spoils (PECO 0042, PECO 0044).

Lead concentrations (including dissolved and total) were measured 446 times at 29 monitoring stations from 1969 through 1992. Of the 436 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), 38 concentrations in Low Creek Below White Drain (PECO 0042), White Flow from Mine Spoils (PECO 0044), Willow Creek Upstream of the Highway 63 Bridge (PECO 0045), North Fork of Tesuque Creek Below Hyde Park Road (PECO 0049), and Rio Mora Near Terrero, New Mexico (PECO 0050) exceeded the acute freshwater criterion of 82 µg/L and/or the drinking water action level of 15 µg/L. About seventy-four percent of the observations exceeding the criteria were recorded in White Flow from Mine Spoils (PECO 0044).

Nickel concentrations (including dissolved and total) were measured 340 times at 22 monitoring stations from 1969 through 1992. Fifteen concentrations in White Flow from Mine Spoils (PECO 0044) exceeded the drinking water criterion of 100 µg/L. The highest reported concentration was 1,200 µg/L in August 1991.

Selenium concentrations (including dissolved, suspended, and total) were measured 451 times at 29 monitoring stations from 1972 through 1992. Two total concentrations of 22 µg/L and 24 µg/L in White Flow from Mine Spoils (PECO 0044) and the Pecos River (PECO 0032), respectively, exceeded the acute freshwater criterion of 20 µg/L.

Silver concentrations (including dissolved, suspended, and total) were measured 446 times at 29 monitoring stations from 1969 through 1992. Of the 331 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), one total concentration of 7 µg/L in White Flow from Mine Spoils (PECO 0044) exceeded the acute freshwater criterion of 4.1 µg/L in September 1990.

Zinc concentrations (including dissolved, suspended, and total) were measured 433 times at 25 monitoring stations from 1966 through 1992. One-hundred-twenty-two observations at 15 monitoring stations (PECO 0013, PECO 0014, PECO 0015, PECO 0016, PECO 0017, PECO 0018, PECO 0029, PECO 0032, PECO 0039, PECO 0040, PECO 0042, PECO 0044, PECO 0045, PECO 0049, PECO 0050) exceeded the secondary drinking water criterion of 5,000 µg/L and/or the acute freshwater criterion of 120 µg/L. About 53 percent of the observations exceeding the criteria were recorded near mine spoils (PECO 0042, PECO 0044).

The IDEA conducted for PECO indicates that STORET data exist for all Level I parameter groups in the park except chlorophyll. Sufficient quantities of timely data were retrieved for most of the required chemical parameters. Results for 23 of the 127 EPA priority toxic pollutants (consisting of inorganic parameters and pesticides only) were retrieved from STORET. Pesticide data were from the Rio Mora near Terrero, New Mexico (PECO 0050).

Surface water resources in the PECO study area include the Pecos River, Santa Fe River, Glorieta Creek, and numerous other creeks. The data inventories and analyses contained in this report indicate that surface waters within the study area have been impacted by human activities. Potential sources of contaminants include mining activities, wastewater facilities, irrigated agriculture, and livestock grazing.

TABLE OF CONTENTS

EXECUTIVE SUMMARY v

TABLE OF CONTENTS ix

I. INTRODUCTION 1
- Goal 1
- Purpose 1
- Objectives 1
- Document Overview 2
- Caveats 2
- Key Personnel 3

II. METHODOLOGY 5
- Delineation of Park Study Area 5
- Data Sources 5
- Data Retrieval and Analysis Procedures 7
- Park Unit Databases 8
- Screening Methodologies and Procedures 9
  - STORET Edit Criteria 9
  - Date Screen 10
  - Station Type Screen 10
  - Phase 0 Parameter Screen 11
  - Phase 1 Parameter Screen 11
  - Media Type Screen 11
  - Remark Code Screen 11
  - Composite Type Screen 13
  - Phase 2 Parameter Screen 14
  - Observations/Period of Record Screen 15
- Statistical Definitions 17

III. INTERPRETIVE GUIDE TO WATER QUALITY RESULTS 19
- Overview 19
- Regional Location Map 19
- Water Quality Monitoring Locations Map(s) 19
- Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) 20
- Industrial Facilities Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Table 20
- Representative Mean Annual Hydrograph for Seasonal Analysis 20
- Contacts for Agency Codes Retrieved 21
- Quantity of Data Retrieved by Agency Code 21
- Station Period of Record Tabulation 21
- Parameter Period of Record Tabulation 22
- Station/Parameter Period of Record Tabulation 22
- Station-By-Station Results 22
  - Station Inventory for Station 23
  - Parameter Inventory for Station 23
  - EPA Water Quality Criteria Analysis for Station 23
  - Time Series Plots for Station 24
  - Annual Analysis for Station 25
  - Annual Box-and-Whiskers Plots for Station 25

Seasonal Analysis for Station 25
Seasonal Box-and-Whiskers Plots for Station 26
EPA Water Quality Criteria Analysis for Entire Park Study Area 26
NPS Servicewide Inventory and Monitoring Program
"Level I" Water Quality Inventory Data Evaluation and Analysis (IDEA) 26
Water Quality Observations Outside STORET Edit Criteria for Park 28

IV. WATER QUALITY RESULTS 29
Overview 31
Regional Location Map 32
Water Quality Monitoring Locations Map(s) 33
Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) 34
Industrial Facilities Discharges, Drinking Water Intakes, Water Gages,
and Water Impoundments Table 35
Representative Mean Annual Hydrograph for Seasonal Analysis 36
Contacts for Agency Codes Retrieved 37
Quantity of Data Retrieved by Agency Code 38
Station Period of Record Tabulation 39
Parameter Period of Record Tabulation 40
Station/Parameter Period of Record Tabulation 45
Station-By-Station Results 77
PECO0001 Pecos River Nr Rowe at Old Colonias Road 79
PECO0002 Pecos River at Colonias Bridge 81
PECO0003 Glorieta Creek 82
PECO0004 Pecos River at the Forked Lightning Ranch House 83
PECO0005 Pecos R 3/4 Mile Blw Pecos, NM 84
PECO0006 Pecos River Blw Village of Pecos WWTF 85
PECO0007 Pecos River Below Pecos NM 87
PECO0008 Pecos R at Bridge Ab Pecos, NM 88
PECO0009 Pecos River at Forest Boundary 95
PECO0010 Pecos River at Monastary Lake 96
PECO0011 Pecos River Due West of Monastery Lake 97
PECO0012 Pecos R Blw Lisboa Springs Hatch 100
PECO0013 Pecos at Hatchery Diversion 101
PECO0014 Hatchery Raceway B6 104
PECO0015 Hatchery Raceway C6 107
PECO0016 Hatchery Raceway C7 110
PECO0017 Hatchery Raceway D1 113
PECO0018 Hatchery Raceway A-8 116
PECO0019 Pecos at Dalton Fishing Site 118
PECO0020 Dalton Canyon Creek 20 M West of Hwy 63 Brdg 120
PECO0021 Pecos R at Dalton Fishing Site 122
PECO0022 Upper Cow Creek at 1st Bridge on Fr92 on Sfnf 123
PECO0023 Pecos R. Immed Abv. Mouth of Rio Mora 124
PECO0024 Macho Canyon Creek 10M West of Hwy 63 Brdg 127
PECO0025 Santa Fe R at USGS Gaging Sta 129
PECO0026 Santa Fe R Ab McClure Reservoir,NM 131
PECO0027 Santa Fe River Above McClure Res 133
PECO0028 Santa Fe River Above McClure Res 135
PECO0029 Pecos River Above Windy Bridge 137
PECO0030 Pecos River 50 Meters Below Windy Bridge 142
PECO0031 Indian Creek 3M West of Hwy 63 Brdg 144
PECO0032 Pecos River at USGS Gage 90M Upstream Indian Crk 147
PECO0033 Pecos R Nr Pecos, NM 149

PECO0034 Pecos River at USGS Gage 152
PECO0035 Pecos River at USGS Gage#8378500 153
PECO0036 Pecos R. 50Ft Abv Holyghost Cr 154
PECO0037 Holy Ghost Creek Below Homes 155
PECO0038 Holy Ghost Creek Below Homes 156
PECO0039 Holy Ghost Cr 300M Upstrm Hwy63 Br Over Pecos R 157
PECO0040 Pecos R at Terrero, NM 163
PECO0041 Willow Creek Abv Spoils 171
PECO0042 Low Cr Blw White Drain 174
PECO0043 Low Cr Blw Beaver Ponds 177
PECO0044 White Flow From Mine Spoils 178
PECO0045 Willow Crk 70M Upstrm Hwy 63 Brdg 181
PECO0046 Willow Cr Just Abv SR 63 at Mine 187
PECO0047 Pecos River 400M Above Confluence W Willow Ck 188
PECO0048 Willow Cr .75 Mi Abv Forest Service Gate 194
PECO0049 North Fork of Tesuque Cr Blw Hyde Park (475) Rd 195
PECO0050 Rio Mora Near Terrero, NM 197
PECO0051 Rio Mora at USGS Gaging Station 309
PECO0052 Rio Mora Nr Terrero 311
PECO0053 Rio Mora at USGS Gage 08377900 312
PECO0054 Rio Mora @ Terrero 315
EPA Water Quality Criteria Analysis for Entire Park Study Area 317
NPS Servicewide Inventory and Monitoring Program
"Level I" Water Quality Inventory Data Evaluation and Analysis (IDEA) 319
Water Quality Observations Outside STORET Edit Criteria for Park 324

V. APPENDICES 327
A. Computer Files Transmitted With Park Baseline Water Quality Data Inventory and Analysis A-1
B. Water Quality Database File Structures B-1
Parameter Data File B-1
Water Quality Station Data File B-4
Industrial Facilities Discharges File B-6
Drinking Water Intakes File B-9
Water Gage File B-12
Water Impoundment File B-14
RF3 Structure File B-18
RF3 Trace File B-22
Catalog Unit Boundary File B-23
Encyclopedia File B-24
C. STORET Water Quality Control/Edit Checking C-1
D. STORET Administrative Parameters D-1
E. STORET Parameters Not Suitable for Statistical Analysis E-1
F. National EPA Water Quality Criteria Summary F-1
G. Inventory Data Evaluation and Analysis (IDEA) Servicewide Inventory and Monitoring Program "Level I" Parameter Groups G-1
H. Literature Cited H-1
I. Selected General Water Quality References I-1

INTRODUCTION

The National Park Service's (NPS) Organic Act of 1916 states that the mission of the NPS is to promote and regulate the use of national parks, monuments, and other units "... to conserve the scenery and the natural and historic objects and wildlife therein and to provide for the enjoyment of the same in such a manner and by such means as will leave them unimpaired for the enjoyment of future generations." One task embodied by this mission is preserving and protecting water resources and water dependent environments in parks. Ensuring the integrity of park water quality, due to its importance in sustaining natural, aquatic park ecosystems and supporting human consumptive and recreational use, is fundamental to successfully addressing this task. The first step in ensuring the integrity of park water quality is defining historic and extant water quality.

This document represents one product of an ongoing effort by the NPS Water Resources Division (WRD) and the Servicewide Inventory and Monitoring Program to characterize baseline water quality using existing data at park units containing significant natural resources. This effort was initiated in 1993 by the award of a contract to Horizon Systems Corporation to retrieve, format, and analyze surface water quality data from the Environmental Protection Agency's (EPA) Storage and Retrieval (STORET) database system. The scope of work identified in the Request For Proposals outlined several sequential, interrelated project phases, including, but not limited to: (1) determining the water quality retrieval/query area around each park; (2) downloading and assessing the quality of the data from STORET; (3) generating basic water quality summary statistics and graphic plots; (4) reformatting water quality data for compatibility with the park-based Water Quality Data Management System presently under-development; and (5) providing recommendations concerning possible hardware, software, and personnel options for storing combined park databases in a centralized NPS water quality database. This report documents the results of phases one through four of this effort for this park unit.

Goal

The goal of this document is to provide descriptive water quality information in a format usable for park planning purposes (eg. Water Resources Management Plans, Resource Management Plans, and General Management Plans). The report is designed to characterize baseline water quality rather than assess specific water quality problems at a park. This is consistent with the Servicewide Inventory and Monitoring Program's goal of obtaining basic, "Level I", water quality parameters for key waterbodies at each park (National Park Service 1993). Consequently, this report is best used as a reference document to help design new goal-driven water quality monitoring programs rather than as conclusive evidence of previous or existing water quality problems.

Purpose

The purpose of this report is to inventory existing park water quality data; establish baseline water quality at the park; identify potential water quality problems; and establish a park water quality database. This report is intended to enable park resource managers to compare and contrast water quality data collected as part of ongoing inventory and monitoring programs with historical water quality trends. Additionally, this report is intended to foster better designed park-based water quality inventory and monitoring programs in the future. The water quality databases which accompany this report will also lay the groundwork for establishing a NPS water quality database that will allow Regions and Washington Offices to generate regional and national assessments of park water quality.

Objectives

Specific objectives of the study documented in this report are to:

1. Retrieve water quality and related data from the EPA's STORET and other database systems;

2. Develop a complete inventory of all retrieved data;

3. Produce descriptive statistics and appropriate time series and box-and-whiskers plots of water quality data to characterize period of record, annual, and seasonal central tendencies and trends;

4. Compare water quality data with relevant national EPA water quality criteria on a station-by-station and study area basis;

5. Determine the presence and/or absence of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameters within the study area; and

6. Reformat water quality and other related data for use in the park-based Water Quality Data Management System, presently under-development, and other appropriate analytical tools.

Document Overview

This report is comprised of five chapters. The first chapter, this Introduction, provides a brief statement of the study's background; goal, purpose, and objectives; and the key personnel who helped produce the document. This chapter also contains this brief overview of the document's contents and important interpretive caveats to consider when referring to and using this document. The second chapter focuses on the methods, procedures, and databases that were employed to retrieve and analyze water quality data for the park. The third chapter is the user's interpretive guide to chapter four. Chapter three explains how to interpret all the tables and figures presented in chapter four. Chapter four, which likely comprises the majority of the document (unless there isn't much water quality data for the park), contains detailed inventories, descriptive statistics, graphics, and national EPA water quality criteria comparisons characterizing the park unit's water quality data on a station-by-station basis and over the entire study area. This chapter also contains a comparison of park water quality data with the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters and a listing of water quality observations that were outside the STORET edit criteria range. Chapter five, the Appendices, contains more specialized materials such as the file names and database structures included on floppy disk(s) with this report; STORET edit criteria; national EPA water quality criteria; Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters; selected water quality references; and other materials which provide background on the methods, procedures, and databases used or produced by this study.

The water quality and other related data referenced in this report accompany the document on floppy disk. The water quality parameter data file is in DBASE III+[1] format and will be useable in the park-based Water Quality Data Management System presently under-development. The water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and River Reach databases are also in DBASE III+ and/or ASCII format for ready-use in Geographic Information Systems (GIS), Computer-Aided Design Systems, or Desktop Mapping Systems.

Caveats

While intended primarily as a reference document, it is important that users peruse the first three chapters and Appendices of this report to better understand and interpret the results presented in chapter four. As a means for identifying potential areas for more intensive study, comparisons of the park's water quality data with relevant national EPA water quality criteria for appropriate designated uses[2] and with the Servicewide Inventory and

[1]The use and/or mention of specific proprietary hardware or software packages is for informational purposes only and is not intended to connote or denote an endorsement.

[2]The Environmental Protection Agency's Quality Criteria for Water 1995 Final Draft (Silver Book) was the primary source of water quality criteria. In the spirit of the other caveats offered in this section, it is important to recognize that water quality criteria are often revised when new or better information become available.

Monitoring Program's "Level I" water quality inventory parameters have been made. Extreme caution must be exercised in interpreting the results of these comparisons. Observations that exceed water quality criteria may have occurred due to any number of natural or anthropogenic factors, as well as other reasons. For example, STORET is a "user-beware" water quality database system. While there is some rudimentary edit (bounds) checking of any data entered in STORET (See Appendix C), users are basically free to enter their own data. Beyond data entry errors, the possibility of inaccurate data entering the system due to inappropriate measurement techniques, sample mistreatment, and other reasons is a serious concern. Consequently, if observations for a particular parameter frequently exceed the EPA water quality criterion over a prolonged time period, the best approach is to examine in detail the data exceeding the criterion. Questions which should be asked regarding the data include: What water source(s) are manifesting the problem? Does the data make sense? Was it collected by a reputable organization following a sound study plan and employing accepted techniques? If the answers to these questions still cause concern, a specific cause and effect water quality investigation focusing on the parameters of concern may be warranted. Similarly, the absence of particular Servicewide Inventory and Monitoring Program "Level I" water quality parameters from the park only means that no entity or organization has collected and entered this data into the EPA's STORET database. Too frequently, data that are collected in and around NPS units never make it into the EPA's national water quality database. These data may exist in published or unpublished reports, file cabinets, or other databases. Before definitively concluding that no baseline data exist for a particular parameter, these alternative resting grounds for data should be investigated. Such a detailed exploration, however, was beyond the scope of this study.

Key Personnel

Many individuals contributed to the design and implementation of this project. The primary contributors and their roles in the project are briefly mentioned below.

National Park Service, Water Resources Division:

Dean Tucker was the Contracting Officer's Technical Representative responsible for designing, coordinating, and implementing all aspects of this effort.

Gary Rosenlieb provided administrative oversight and was involved in quality control for all tasks related to this project.

Barry Long and Roy Irwin reviewed technical tasks and provided water quality expertise related to data analysis.

Gary Smillie provided hydrologic expertise in the determination of hydrologic seasons.

Julie Mattick and Scott Hermsen helped prepare the report and write the Executive Summary.

Joe Gregson and Elizabeth Eisenhauer provided digital cartographic support, both in determining retrieval/query areas and producing graphics.

Randy Siddens uploaded water quality data to STORET prior to report preparation.

Jacquie Nolan designed the cover.

Horizon Systems:

Cindy McKay served as Project Manager for Horizon Systems, performed the initial requirements analysis, and was involved in all quality control tasks related to the project.

Alan Cahoon was responsible for automating the procedures which produced the water quality databases and Water Quality Results chapter.

Vickie Baitinger served as the Production Technician and was responsible for executing the software and procedures to produce the park unit chapters.

Sue Hanson, P.E., provided technical advice for writing this document.

Dr. Jim Loftis was the data quality analyst for the project.

Armando F. Ballofet, P.E., served as the local technical liaison between Horizon Systems and the NPS.

Other National Park Service:

Several other individuals provided invaluable technical review, comments, administrative support, and/or other assistance, including: Dan Kimball, Bill Jackson, Mark Flora, Gary Williams, John Karish, Brendhan Zubricki, Richard Hammerschlag, Randy Ferrin, Gary Vequist, Mike Martin, Kevin Berghoff, and Dyra Monroe.

METHODOLOGY

This section provides an overview of the procedures and criteria used to retrieve and analyze water quality data for each park unit. Generating baseline water quality data inventories and analyses for all NPS units is a monumental task. To accomplish this undertaking given a very limited budget, the procedures employed to produce each report had to be as generic and automated as possible. Consequently, customization of reports to individual park needs and issues was not feasible. Moreover, such customization was beyond the scope of this effort which was simply intended to produce baseline water quality data inventories for all parks rather than customized issue-driven reports. During the procedure-development stages of the project, specifications for the final product evolved, within the context of the aforementioned resource constraints, to focus on comprehensive water quality baseline data inventories and concise, descriptive statistical examinations of the available water quality data for each park unit. Detailed below are the data sources and final methods and procedures that were used to create the baseline water quality inventories, analyses, databases, and other products for each park unit. A thorough understanding of the limitations of the data sources and procedures described in this chapter and the next (Interpretive Guide to Water Quality Results) is a prerequisite to intelligent use of the results presented in this document.

Delineation of Park Study Area

The first step in retrieving water resources-related data for each park was deciding on a procedure to determine the study area boundary. Since water flows through parks, utilizing the park boundary as a simple query/study area was deemed inadequate. On the other end of the continuum, using the entire watershed as the study area was considered superfluous given: (1) the areal extent of certain park watersheds (eg. the entire Mississippi River); (2) the sheer volume of potentially irrelevant data such a large study area could generate; and (3) the resources required to specify the watershed for each park unit. The approach which was ultimately adopted - a modified hydrologic boundary - reflects a compromise between the park boundary and the entire watershed. Thus the study area employed for each park is an area extending at least three miles upstream and one mile downstream from the park boundary. Although these distances are somewhat arbitrary, this approach is easy to automate and was felt to limit the data retrieved, in most instances, to that of most importance to the park. Extending the query area one mile downstream of the park was intended to capture any data immediately downstream of the park which may reflect the quality of the water in the park. A current (as possible) copy of each park's boundary was obtained in digital format directly from the park or digitized from Regional land status maps, U.S. Geological Survey (USGS) quadrangles, or other sources. Using GIS techniques, the boundary was used to create the three miles upstream, one mile downstream buffer. For a few parks with which WRD water quality specialists were very familiar with potential water quality threats and/or valuable sources of data that may lie just outside the study area, the study area may have been tweaked (enlarged) to cover these areas of concern or interest. Unfortunately, a customized study area was not feasible for all park units. Hence, the three miles upstream, one mile downstream buffer was the primary study area employed for most parks. This study area was transferred to the EPA mainframe computer and used as the basis for all water resources-related data retrievals from the data sources described below.

Data Sources

The EPA maintains many mainframe data systems related to national water resources (U.S. Environmental Protection Agency 1992). Six of these data systems were used for this project:

- STOrage and RETrieval System (STORET) - water quality parameter data, locations of sampling stations, descriptive elements about stations and parameters;
- Industrial Facilities Discharge (IFD) - locations of industrial and municipal point source discharge facilities;

- Drinking Water Supplies (DRINKS) - locations of intake pipes for drinking water supplies;
- Water Gages (GAGES) - locations of USGS and other water gages;
- Water Impoundments (DAMS) - locations of most large water impoundments (greater than 10,000 acre feet at normal pool volume) and many smaller impoundments; and
- River Reach File, Version 3 (RF3) - 1:100,000 scale geographical representation of surface waters (rivers, lakes, etc.) with a unique identifier assigned to each surface water segment and connectivity information useful for routing and navigation.

STORET is the national water quality data repository (U.S. Environmental Protection Agency 1989). Water quality data is entered in STORET by public agencies (federal, state, or local) that collect water samples and/or perform laboratory analysis. As such, STORET is a "user-beware" data system. Although the EPA manages the STORET data system and, since November 1983, has imposed some minimum quality control criteria on the data (See Appendix C), data are generated and input to STORET by the "owner" agencies. Consequently, the EPA does not certify any data within STORET. Currently, there are over 800,000 active and inactive sampling stations and more than 225 million observations covering in excess of 13,000 water quality parameters entered in STORET. The earliest data dates back to the turn of the century. Using the bi-monthly update cycle, user agencies may store results of recent monitoring activities in STORET. Included in STORET is USGS WATSTORE water quality data, which is updated on a monthly basis. Although STORET contains a phenomenal amount of data, it is important to note that data exist in STORET only if the collectors decide to upload their data to the system. Since many agencies and researchers do not upload their data to STORET, the absence of water quality data in the system for a particular area doesn't mean that there has never been any water quality data collected for the area. The data may exist in published or unpublished reports, file cabinets, or in agency-specific databases. Identifying and retrieving these other sources of data were beyond the scope of the present effort. All parameter data and water quality station location data downloaded from STORET within the park's study area are included in DBASE III+ format files on disk(s) accompanying this report (See Appendices A and B).

The data within the IFD database are extracted from the EPA's Permit Compliance System (PCS). IFD contains the facility locations of all industrial and municipal dischargers which require a National Pollutant Discharge Elimination System (NPDES) permit to operate. Over 7,100 municipal, federal, and industrial facilities discharging into the waters of the United States are tracked by PCS and IFD. If any industrial facilities discharges exist within the study area, a file in DBASE III+ format documenting a variety of information about each discharge accompanies this report on disk (See Appendices A and B).

The EPA DRINKS database identifies locations of drinking water supply intakes. This file contains data for 850 supplies which serve more than 25,000 people, and 6,800 supplies which serve between 1,000 and 25,000 people. If any drinking water intakes exist within the study area, a file in DBASE III+ format documenting a variety of information about each intake accompanies this report on disk (See Appendices A and B).

The GAGES data originates primarily with the USGS and copies are maintained on the EPA mainframe computer for ease of integration with other EPA national data systems. Although other agency's water gages, as well as some artificial gages, may appear in GAGES, the vast majority of gages are stream gages belonging to the USGS. The GAGES database contains approximately 36,000 records for both active and inactive gaging stations. If any USGS or other agency stream gages occur within the study area, a file in DBASE III+ format documenting several fields of information about each gage accompanies this report on disk (See Appendices A and B).

The Water Impoundment database was originally compiled by the U.S. Army Corps of Engineers in response to a Congressional inquiry on dam safety hazards (GKY and Associates 1990). The EPA subsequently modified the database for use in water quality investigations. Of the 68,155 dams in the database, 2,125 are considered large (impounding 10,000 acre feet or more at normal pool volume). It is important to note that while the database includes entries for 66,030 smaller dams, estimates place the actual number of dams in the U.S. at several million

(including small farm ponds). If any water impoundments occur within the study area, a file in DBASE III+ format documenting several fields of information about each impoundment accompanies this report on disk (See Appendices A and B).

The RF3 data system is a hydrologic database of surface water features across the U.S. (excluding, at present, Idaho, Oregon and Washington, which currently operate a different system - although this data is expected to be converted to RF3 soon, Alaska and Hawaii). RF3 was created primarily from 1:100,000 scale USGS Digital Line Graph data. RF3 is made up of over 3,000,000 individual "reaches". A reach is generally defined as a portion of surface water between two confluences (U.S. Environmental Protection Agency 1993). The linework underlying RF3 contains over 95,000,000 coordinate points. RF3 is designed to facilitate hydrologic routing, identifying upstream and downstream elements, and specifying the exact location of any point on a stream network. RF3 data exists as a series of traces with associated attributes. The EPA project which is producing RF3 is being conducted in three phases: Compilation, Assessment, and Revision. The Compilation phase is complete except for Idaho, Washington, Oregon, and Alaska. The Assessment phase was completed during the first half of 1994; while the Revision phase was begun in March 1994. One important outcome of the Revision phase is that the reach codes which uniquely identify each surface water feature will change. Consequently, these codes should not be used, at this time, as keys for relating other data to RF3. The RF3 data provided with this document is provisional and should be used only to provide a geographic backdrop for the park's water quality data. RF3 data covering each USGS catalog unit (a geographic area representing a single or multiple drainage basin(s), or some other distinct hydrologic feature (U.S. Geological Survey 1982)) touched by the park's study area is included in ASCII export and DBASE III+ formats on the disk(s) accompanying this report (See Appendices A and B).

For additional information on any of these data systems, contact the EPA Office of Water at (202) 260-7028.

Data Retrieval and Analysis Procedures

The six EPA data systems discussed above reside on the EPA mainframe computer located in Research Triangle Park, N.C. Horizon Systems used a dedicated, leased telephone line with a data transfer rate of 9600 bits per second to download data occurring within the park's study area from all the databases. The bisynchronous communication software and hardware provided error checking during all data transfer procedures.

As described above, the park study/query area boundary was used to select the water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and river reaches associated with the park unit. For various reasons, screening criteria (described later in this section) were employed to select appropriate water quality stations, parameters, and observations. Horizon Systems wrote several mainframe programs to automate, to the greatest extent feasible, the STORET data retrieval and storage procedures. Once the data were extracted from the EPA data systems, they were downloaded to a microcomputer for statistical analyses and reformatted into DBASE III+ compatible format.

Specifically, once on the PC, the data were processed to:

(1) Reformat the data into DBASE III+ format and other database structures;
(2) Eliminate questionable data outside the STORET edit criteria ranges (See Appendix C);
(3) Display on a map the location of water quality monitoring stations and other water resources themes;
(4) Determine the frequency of water quality observations by station, parameter, and station/parameter;
(5) Generate descriptive period-of-record water quality statistics in a tabular format;
(6) Generate appropriate descriptive annual and seasonal analyses of the water quality data in a tabular format;
(7) Plot appropriate period of record time series and annual and seasonal box-and-whisker graphs;
(8) Compare the water quality data against relevant EPA national criteria; and

(9) Compare the water quality data against the NPS Servicewide Inventory and Monitoring Program's "Level I" water quality parameters.

Special customized microcomputer programs (primarily written in Clipper and Microsoft Professional BASIC) and procedures were created to address each of these tasks. All reformatted database files are included on disk(s) accompanying this document. The contents of these databases are described briefly below. Complete database structures are included in Appendices A and B. The descriptive water quality tabular statistics (see "Statistical Analyses" below) were computed based upon NPS specifications. Command or batch files were generated to drive STATGRAPHICS 7.0 in order to produce all the time series and box-and-whiskers plots.

Park Unit Databases

Up to seven digital databases in DBASE III+ and other formats have been created for the park by querying the water resources-related data sources described above. The disk(s) containing these databases accompany the report. The contents of each of these databases are discussed briefly below. More detailed documentation of these databases is included in Appendices A and B.

(A) Water Quality Parameter Data: This database includes all the water quality parameter data downloaded from STORET that passed the STORET Edit Criteria, Date, Station Type, and Phase 0 Parameter screens (described below) and is summarized tabularly and graphically in this document. This constitutes the park's baseline water quality data. Since it is already in digital format, more sophisticated analysis of the data is possible than the descriptive statistics and graphics presented here.

(B) Water Quality Station Locations: This database consists of the STORET header information describing each station where water quality data was collected. As the latitude and longitude of the station are included in the database, this file is easily imported into the park's GIS.

(C) Industrial Facility Discharge Locations: This database includes any industrial or municipal point source discharges located within the park's study area. As the latitude and longitude of each discharge facility are included in the database, this file is easily imported into the park's GIS.

(D) Drinking Water Intake Locations: This database includes any drinking water intakes located within the park's study area. As the latitude and longitude of each intake are included in the database, this file is easily imported into the park's GIS.

(E) Water Gage Locations: This database includes water (stream, lake, estuary, well, spring, climate, or other) gages located within the park's study area. Most of the gages will likely be stream gages belonging to the USGS. As the latitude and longitude of each gage are included in the database, this file is easily imported into the park's GIS.

(F) Water Impoundment Locations: This database includes any water impoundments (dams) located within the park's study area. As the latitude and longitude of each impoundment are included in the database, this file is easily imported into the park's GIS.

(G) River Reach Data: This database includes all stream traces (1:100,000 scale) and attributes for reaches falling within any USGS catalog unit that touches the park's study area. The traces are geo-referenced in ASCII format. The attributes are in both ASCII export and DBASE III+ formats. This information is also readily incorporated into the park's GIS.

The absence of any of these seven files from the disk(s) accompanying the report indicates that there was either no data of this type within the park's study area or the data was unavailable. Several other files are included on the disk(s) accompanying this report, including digital copies of all the figures and tables contained in the document and some other items. Refer to Appendices A and B for detailed documentation of these files. Not included on

disk is an Encyclopedia File (for WRD reference) that documents the minimum and maximum values for each water quality parameter and the parks in which those values were recorded. When Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks, this Encyclopedia File will be available upon request from the NPS WRD.

Screening Methodologies and Procedures

Developing automated or semi-automated procedures to produce baseline water quality inventories and analyses for all national park units required constant testing and debugging of procedures. Three parks, Rock Creek Park, Yellowstone National Park, and Indiana Dunes National Lakeshore, were used to pilot test and refine the automated procedures. It became evident, after a preliminary analysis of all the downloaded STORET data, especially for Indiana Dunes National Lakeshore, that the specifications for the graphical analyses could generate hundreds (possibly thousands) of plots, many of which would not necessarily be useful. Also, there were many stations; parameters; and/or observations downloaded that were not part of the study's objectives; not overly useful; or of dubious quality. In order to reduce the number of graphical plots (time series, annual and seasonal box-and-whiskers) to fit within project resources, various screening criteria were investigated. Ultimately, a comprehensive set of screening criteria were developed to reduce the number of graphical plots. After initial counts of the total number of possible time series and annual and seasonal box-and-whiskers plots were generated, these counts were used to decide which screening criteria would be applied to limit the number of these plots produced for the park unit. Additional screening criteria were employed to restrict the tabular descriptive statistics results to only those deemed useful to the park. Table A provides the categories of screening criteria and to which analyses the screens were applied. A "yes" entry in the table means that the screening category eliminated or prevented data from appearing in certain tables and plots contained in the document. Consequently, in understanding how data from STORET was used in this report, it may be helpful to keep in mind the three general types of screening criteria: (1) screens that apply to stations; (2) screens that apply to certain parameters at stations; and/or (3) screens that apply only to particular observations of parameters at stations. A detailed description of each of the screening criteria categories follows this table. *It is important to note that statistics in "Inventory" reports may not be consistent with statistics in "Overview" reports since different categories of screening criteria were applied*. Also, if attempting to replicate the results of the statistical and graphical analyses presented in this document, be sure to follow the same screening methodologies.

STORET Edit Criteria

As mentioned previously, STORET is a "user-beware" data system. As the EPA doesn't certify any data in STORET, public agencies enter and are responsible for the quality of their own data. Only data entered since November 1983 have been subjected to any rudimentary edit/bounds checking. Agencies entering data since this date can elect to override the edit/bounds checking for individual observations. USGS WATSTORE water quality data is entered into STORET without any EPA edit/bounds checking to ensure data integrity between WATSTORE and STORET. Unfortunately, during the course of our pilot tests, erroneous USGS and EPA water quality data values were discovered. In order to eliminate as much "bad" data as possible, all water quality data downloaded from STORET was subjected to automatic edit/bounds checking (STORET Edit Criteria contained in Appendix C) for the 190 most common parameters. Observations falling outside the STORET Edit Criteria were documented (See the Water Quality Observations Outside STORET Edit Criteria for Park section in the Water Quality Results chapter) and then retained or discarded from the database and all tables and plots based on whether the value was judged as being in the realm of possibility. Although the STORET Edit Criteria screen likely removed some "bad" data for these common parameters, the probability of other erroneous data in the database is high. Be sure to consult the Caveat section in the Introduction.

Table A. Categories of Screening Criteria and to Which Output Products They Apply (A "yes" Entry Means the Screening Category Eliminated or Prevented Data From Being Used in the Product):

Screening Category	Data Download	Overview Tables	Inventory Tables	Annual Tables	Seasonal Tables	Standards Tables	Plots (All)
STORET Edit Criteria	yes	yes	yes	yes	yes	yes	yes
Date	yes	yes	yes	yes	yes	yes	yes
Station Type	yes	yes	yes	yes	yes	yes	yes
Phase 0 Parameter	yes	yes	yes	yes	yes	yes	yes
Phase 1 Parameter	no	no	yes	yes	yes	yes	yes
Media Type	no	no	yes	yes	yes	yes	yes
Remark Codes	no	no	yes	yes	yes	yes	yes
Composite Type	no	no	yes	yes	yes	yes	yes
Phase 2 Parameter	no	no	no	no	no	no	yes
Observations/Period of Record	no	no	no	yes	yes	no	yes

Date Screen

Every water quality observation in STORET typically has a sampling date associated with it. Unfortunately, STORET does not prevent users from entering incorrect dates. Consequently, any water quality observation with an incorrect and/or suspect date (eg. a month greater than 12; a day greater than 31; or a sample date later than the STORET retrieval date) were discarded.

Station Type Screen

STORET contains data from a wide variety of stations classified by the type of waterbody in which samples were collected. As this project's purpose was to inventory and analyze surface-water quality, the following surface-water station types were retrieved (clarification provided in parentheses):

Station Types Included In Retrieval
(a) STREAM
(b) CANAL
(c) LAKE
(d) RESERV (Reservoir)
(e) SPRING
(f) FWTLND (Fresh Water Wetland)
(g) SWTLND (Salt Water Wetland)
(h) ESTURY (Estuary)
(i) OCEAN

Ground water and/or other station type data may have been retrieved if the entering agency classified the station type incorrectly. Rectifying this error was beyond the scope and resources of this project.

Phase 0 Parameter Screen

Nearly all water quality parameters associated with each station type listed above were retrieved. The only exception to this was the exclusion of most of the STORET administrative parameters. A complete list of STORET administrative parameters is included in Appendix D. The few administrative parameters that were included in the retrievals are as follows:

Code	STORET Administrative Parameter Description
00027	Code No. for Agency Collecting Sample
00028	Code No. for Agency Analyzing Sample
00063	Sampling Points, Number of In a Cross Section
00111	Ratio of Fecal Coliform to Fecal Streptococci
00115	Sample Treatment Code (1=Raw, 2=Treated)
34772	NPDES Number, Cross Reference
45580	Method of Analysis
74065	Stream Flow Class
74066	Annual Runoff
74067	Soil Classification
74068	Water Quality Designated Use Classification

Phase 1 Parameter Screen

Some of the data retrieved from STORET was not suitable for statistical or graphical analysis. Consequently, this screening criterion eliminated all parameters which were not suitable for statistical or graphical analysis within the context of this project. The full list of these parameters is presented in Appendix E. Examples of parameters excluded from statistical and graphical analysis include the administrative parameters mentioned above, land use acreage, encoded values, dates, latitude/longitude, etc. Excluded parameters do, however, appear in the Parameter Period of Record and Station/Parameter Period of Record (two of the "Overview" Tables), as well as in the water quality parameter file included on disk(s) accompanying this report.

Media Type Screen

Water quality samples can be taken in a variety of aqueous media. Water quality data were retrieved from STORET only if the media were WATER or VERT (vertically integrated). WATER and VERT samples comprise the overwhelming majority of samples in STORET. The media screen eliminated the following water quality sampling media:

Media Screen	Description
BOTTOM	Sampled At the Bottom
DREDGE	Sampled By Dredge
PORE	Pore Sample
CORE	Core Sample

Remark Code Screen

STORET enables the agency collecting water quality samples to provide a qualifying remark for each parameter observation. These remarks provide additional information about the measured or observed value entered into STORET (See Appendix B - Parameter Data File for a complete listing and description of all remark codes). Based on the STORET remark codes, two potential screens were applied to water quality observations based on whether the measured value was used in subsequent analyses: (1) Elimination or (2) Modification/Inclusion.

Elimination:
Non-composite water quality parameters with the remark codes presented in Table B were eliminated from the period of record, annual, and seasonal descriptive statistics and graphics. Not including observations with these remarks was justified by the fact that most of the remarks: (A) indicate either less confidence in the measured value; (B) are remarks for nominal or categorical data that doesn't lend itself to statistical analysis; or, (C) complicate the statistical analysis beyond the scope of this effort. Observations containing these remark codes comprise a very small fraction of the data. Although statistical analyses weren't undertaken on this data, all water quality observations, regardless of remark code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to eliminate all non-composite observations with the remark codes presented in Table B.

Table B. Non-composite Parameters With the Following Remark Codes Were Eliminated From Statistical and Graphical Analysis:

Remark Code	Description of STORET Remark Code
F	Female Species.
J	Estimated, Not the Result of Analytic Measurement.
M	Presence Verified, But Not Quantified, Below Quantification Limit. For Species, Male. For Oxygen Reduction Potential, Indicates Negative Value.
N	Presumptive Evidence of Presence.
O	Analysis Lost.
V	Analyte Was Detected In Sample and Method Blank.
W	Less Than Lowest Value Reportable Under Remark "T".
Z	Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value.

Modification/Inclusion:
Water quality parameter observations with the remark codes presented in Table C were halved prior to inclusion in period of record, annual, and seasonal descriptive statistics and graphics. These remark codes deal with observations that were below the detection limit for the parameter. The common water quality data analysis convention for these remark codes is to use half of the detection limit in statistical analyses (Ward, Loftis, and McBride 1990; Gilbert 1987). Although this is a somewhat defensible treatment of observations below the detection limit, the statistics that may be computed using these halved values may not be defensible. Consequently, any computed statistics in inventory, annual, or seasonal tables that are comprised of 50% or more K, T, and U remark codes are footnoted "Computed with 50% or more of the total observations as values that were half the detection limit." This will provide the user with some caution in using and interpreting these results. Water quality data included on disk(s) accompanying this report that may have these remark codes are stored as the original entry (detection limit). If you re-analyze this data in order to replicate the results presented here, be sure to substitute half the detection limit value in the database whenever these remark codes are encountered.

Table C. The Value of Water Quality Parameters With the Following Remark Codes Were Halved (Half of the Detection Limit Entered In STORET) Prior to Inclusion In Descriptive Statistics and Graphics:	
Remark Code	**Description of STORET Remark Code**
K	Off-scale Low, Actual Value Not Known, But Known to Be Less Than Value Shown.
T	Less Than Detection Criteria.
U	Analyzed For But Not Detected, Value is Detection Limit For Process Used. If Species, Undetermined.

Composite Type Screen

Sometimes data entered in STORET represent something other than a single measurement at one location at one point in time. These samples are typically referred to as composite samples due to the fact that they vary temporally and spatially. Consequently, the observation entered into STORET for composite data is typically a computed value that summarizes the data over time and/or space. Such data complicate statistical and graphical analyses and must be handled separately. Such treatment was beyond the scope of this study; although composite values typically represent only a fraction of STORET observations. The composite type screen eliminates all composite observations from statistical and graphical analyses, except those with a composite type code of "A" that have a one day or less sampling period and those with a composite type code "D". All water quality observations, regardless of composite type code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to exclude all composite observations except those with a code of "A" that have a one day or less sampling period and those with a code of "D". Table D presents a list of possible STORET composite type codes.

Table D. Possible STORET Composite Type Codes

Composite Type Code	STORET Composite Type Description
A	Average
H	Maximum
L	Minimum
N	Number of Observations
#	Number of Observations
S	Standard Deviation
U	Sum of Squares
V	Variance
C	Coefficient of Error
X	Coefficient of Variance
E	Skewness
F	Kurtosis
Z	Number of Obs. That Exceed An Established Limit
%	Precision
$	Accuracy
B	N/A
D	Indicates Replicate Sample

Phase 2 Parameter Screen

Due to budgetary limitations, the number of graphical plots (time series, annual and seasonal box-and-whiskers) produced had to be manageable - typically no more than 100 total plots. After scrutinizing the results of the pilot tests and the Baseline Water Quality Data Inventory and Analysis Reports produced for the first group of parks, the 19 parameters which, typically, were the most frequently measured at nearly all stations were water temperature, stage, discharge, and various meteorological measurements (See Table E). Consequently, most of the graphical plots produced would be of water temperature, stage, discharge, and meteorological conditions. Although these are important parameters, particularly in conjunction with other water quality parameters, it was felt that plotting resources would be better allocated to other water quality parameters. Consequently the STORET parameter codes listed in Table E never generated graphical plots. It is important to note, however, that these parameters are included in all other aspects of the project, including all applicable period of record, annual, and seasonal descriptive statistics tables.

Table E. Frequently Measured STORET Codes That Were Prevented From Generating Plots	
STORET Parameter Code	**STORET Parameter Description**
00003	Sampling Station Location, Vertical (Feet)
00010	Water Temperature (Degrees Centigrade)
00020	Temperature, Air (Degrees Centigrade)
00021	Temperature, Air (Degrees Fahrenheit)
00025	Barometric Pressure (MM of HG)
00032	Cloud Cover (Percent)
00035	Wind Velocity (Miles Per Hour)
00036	Wind Direction in Degrees from Trun N (Clockwise)
00040	Wind Direction (Azimuth)
00045	Precipitation, Total (Inches Per Day)
00046	Precipitation, Total (Inches Per Week)
00052	Humidity, Relative (Percent)
00061	Stream Flow, Instantaneous (CFS)
00065	Stream Stage (Feet)
81903	Depth of Bottom of Water @ Sample Site (Feet)
82553	Rainfall In 1 Day Inclusive Prior to Sample (Inches)
82554	Rainfall In 7 Days Inclusive Prior to Sample (Inches)
82371	Rainfall In 3 Days Inclusive Prior to Sample (Inches)
82372	Rainfall In 14 Days Inclusive Prior to Sample (Inches)
85599	Precipitation, Total/Period-Rain Equivalent (Cm/Sample)

Observations/Period of Record Screen

Despite never plotting water temperature, stage, discharge, and meteorological measurements, the number of plots generated by some parks still exceeded the 100 plot limit. Also, some rationale was needed to plot only those parameters with sufficient data density to make a meaningful statistical graphic. For example, time series plots comprised of only a few observations or annual or seasonal box-and-whiskers plots with limited observations and/or data in only one or two years or seasons are not very informative. Consequently, a number of plotting criteria were developed to limit the number of time series and box-and-whiskers plots to, at most, 100 informative graphics by using each parameter's number of observations and period of record. Similar, albeit less stringent criteria, were used for including results of annual and seasonal analyses in descriptive statistics tables. Consequently, there are more summaries of annual and seasonal results in tables than in graphics. Whenever an entry in an annual or seasonal table generated a plot, this entry was footnoted to notify the reader of the presence of the graphic. Due to differing quantities of data at parks, different screening criteria were employed. The same

criteria for appearance in seasonal and annual tables were used for all parks. Table F presents the least stringent plot screens.

Table F. Least Stringent Plot Screening Criteria Used to Limit the Number of Plots Generated

Time Series: To generate a time series plot, a station/parameter combination must have a period of record of at least 2 years and a total of at least 8 observations. Annual Analysis: To generate an annual box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive. Seasonal Analysis: To generate a seasonal box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.

The exact three plot screens used varied by park unit and are documented in the Overview section of the Water Quality Results chapter. If your park's plotting criteria deviated from these least stringent criteria, it is because too many plots would have been generated using these criteria.

The criteria used for appearance of station/parameter combinations in annual and seasonal analysis tables are presented in Table G. These tabular criteria, which are actually the least stringent plotting criteria, were constant from park to park.

Table G. Criteria Used for Generating Entries in Annual and Seasonal Analysis Tables

Annual Analysis: For an entry to appear in an annual table, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive. Seasonal Analysis: For an entry to appear in a seasonal table, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.

Statistical Definitions

Since this report is intended only to characterize historical and/or existing water quality at the park rather than address specific water quality problems, only simple descriptive statistics are presented. Inferential and non-parametric statistical analysis to examine relationships and trends were beyond the scope of the study. The complete water quality dataset is provided on disk accompanying this report to afford the opportunity for more detailed exploratory data analysis. The descriptive statistics are included in the inventory, annual, and seasonal tables. Table H provides a brief definition of each descriptive statistic provided for each parameter at a station.

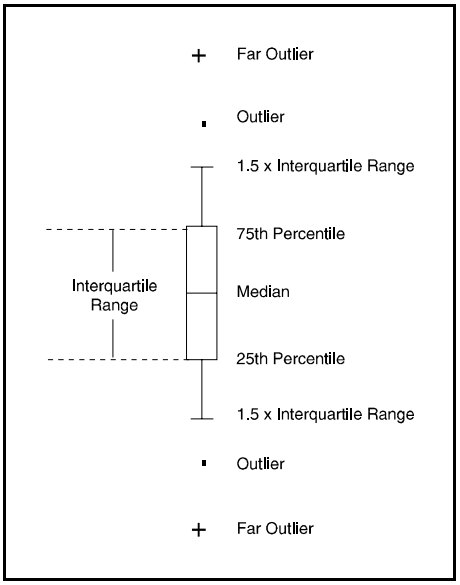
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

Observations:	The number of samples collected.
Median:	The median is the 50th percentile or the value in a dataset sorted in ascending order that exceeds 50% of all observations, yet is also exceeded by the remaining 50% of all observations.
Mean:	The sum of all observations collected divided by the number of observations.
Maximum:	The maximum value observed.
Minimum:	The minimum value observed.
Variance:	This is a measure of variability or dispersion of the observations; or, in other words, describes how many observations are close (or far), from the mean. It is calculated as the weighted average of the squared deviations from the mean.
Standard Deviation:	The positive square root of the variance.
10th Percentile:	The value in a dataset sorted in ascending order that exceeds 10% of all observations, yet is itself exceeded by the remaining 90% of all observations.
25th Percentile:	The value in a dataset sorted in ascending order that exceeds 25% of all observations, yet is itself exceeded by the remaining 75% of all observations. The 25th percentile is also known as the first quartile.
75th Percentile:	The value in a dataset sorted in ascending order that exceeds 75% of all observations, yet is itself exceeded by the remaining 25% of all observations. The 75th percentile is also known as the third quartile.
90th Percentile:	The value in a dataset sorted in ascending order that exceeds 90% of all observations, yet is itself exceeded by the remaining 10% of all observations.

As with the tabular descriptive statistics, the scope of the project limited the generation of exploratory graphics to time series plots and annual and seasonal box-and-whiskers plots. Plots were only generated, however, provided the parameter met or exceeded the relevant plotting criteria specified in the previous section.

Time series plots display the parameter concentration on the Y-axis and the date on the X-axis. This provides the user with a visual feeling for not only the parameter's concentration and variability over time, but also the density of data in different time periods. The time series plots provide a visual representation of the data in the basic station inventory. Due to software limitations, a line connects each measured value in sequence regardless of the time period between samples. Readers are cautioned not to assume that the concentration of the parameter between any two data points can be represented by a straight line. It is likely that the concentration varied between any two observations, particularly if the observations are separated by a significant time period.

The annual and seasonal box-and-whisker plots provide a graphical overview of the measured data and give the user a better understanding of the data's distribution and possible outliers. In essence, the box-and-whisker plots provide a visual representation of the data contained in the annual and/or seasonal tables. The interpretation of the boxes is provided in the figure to the right. Each box encompasses the middle 50 percent of measured values (from the 75th to 25th percentiles). The difference between the 75th and 25th percentiles is also known as the interquartile range. The horizontal line inside each box is the median or 50th percentile. The lines which extend out from each end of the box are the whiskers. The whiskers extend out from first quartile (25th percentile) and third quartile (75th percentile) to the smallest data point within 1.5 interquartile ranges from the first and third quartiles. Observations that extend beyond the whiskers are known as outliers. Far outliers are observations whose values lie more than three interquartile ranges below the first quartile or above the third quartile. These are designated with plus signs.



INTERPRETIVE GUIDE

TO WATER QUALITY RESULTS

This interpretive guide discusses each of the products presented in the next chapter - Water Quality Results. This chapter highlights how each of the tables and figures were prepared and how they can be used. Each subheading in this chapter corresponds to a particular product in the subsequent Water Quality Results chapter.

Overview

The Overview provides a brief one-page summary of the results of the various database retrievals for both the study area and the park. The study area results include the park results since the study area encompasses the park and all lands and waters within at least 3 miles upstream and 1 mile downstream of the park. Thus, the GIS estimated acreage of the study area should always be greater than the park acreage. The park acreage was computed from the digital boundary that was obtained for the park. More than likely this acreage will differ, perhaps significantly, from the "official" published acreage for the park due to the spatial and temporal accuracy of the digital boundary, treatment of inholdings, and other concerns. The number of STORET stations is the number of locations within the study area and park where an agency monitored (or intended to monitor) water quality. The number of stations with no data reveals the number of stations created in STORET for which water quality data were never entered. The number of stations with no statistical analysis reports the number of stations in the study area and park that contain data not amenable to normal parametric statistics. The number of longer term stations indicates the number of stations in the study area and park with at least 6 parameters having periods-of-record extending 2 years with an average of at least 1 observation per year over the period-of-record. The date of STORET retrieval is the calendar date when Horizon Systems downloaded all the data from STORET. Thus, the report documents all data entered in STORET prior to the retrieval date. Keep in mind that an agency can upload archival data at any time. Consequently, a retrieval date only guarantees that as of that date, this report contains all the data that had been entered into STORET. The period of record is the earliest date for which water quality data exist in STORET for the study area and park up to the date when the most recent data were entered prior to the retrieval date. The number of parameters measured is the number of unique water quality parameters measured within the study area and park and entered in STORET. The number of water quality observations is the sum of the total number of observations across all parameters within the study area and park. The number of industrial/municipal facilities discharges, drinking water intakes, water gages, and water impoundments are the number of each of these entities found within the study area and park. The number of time series, annual, and seasonal plots are the number of these different types of graphics produced by station/parameter combinations within the study area and park using the plotting criteria described in the previous chapter. The hydrologic seasons, described below, are the seasons used for the seasonal water quality data analysis. The time series, annual, and seasonal criteria are the plot and tabular screening criteria described in the previous chapter.

Regional Location Map

The Regional Location Map provides a small scale, general representation of the park and study area location within the United States. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report.

Water Quality Monitoring Locations Map(s)

The Water Quality Monitoring Locations Map(s) usually provides a larger scale representation of the park and study area than the Regional Location Map. This map indicates the locations within the study area where water quality has been monitored and the data entered into STORET. The water quality monitoring stations are labelled sequentially with the rightmost significant digits. The station names were assigned in numerically ascending order by latitude (for parks with a greater north-south extent than east-west) or longitude (for parks with a greater east-

west extent than north-south). Thus, this map serves as a visual index to the water quality data contained in the report. Since the 1:100,000 scale hydrography (from the River Reach File Ver. 3.0 or other sources) is displayed on the map, users can refer to the map to locate the station number on the reach in which they are interested and then find the appropriate section in the report that documents the water quality at that station. If the scale allows, USGS catalog units are also displayed on the map to provide an approximation of drainage basins. More than one Water Quality Monitoring Location map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report. The digital, geo-referenced data files documented in Appendices A and B will allow the park to create water quality monitoring stations as a coverage in their GIS.

Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)

The Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) displays the same information as the Water Quality Monitoring Location Map(s) except the water quality stations are replaced by industrial/municipal facilities discharges, drinking water intakes, active and inactive gage locations, and water impoundments. This map also serves as a visual index allowing the user to determine the identification code of each discharger, drinking intake, gage, or impoundment. This number can then be used to obtain additional information about the entity on the following page of the report or to refer to the more detailed database files accompanying the report on disk. These more detailed database files are geo-referenced (See Appendices A and B), thus allowing the park to create these coverages in their GIS. More than one Dischargers, Drinking Intakes, Gages, and Impoundments map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are also included on the disk(s) accompanying this report.

Industrial Facilities Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Table

This table provides some additional information about each of the discharges, drinking intakes, water gages, and water impoundments displayed on the previous map(s). This information generally includes the site identification number; the station or facility name; an address or some other indication of location; and some other pertinent information. More detailed information about each of these entities is contained in the database files on disk accompanying the report (See Appendices A and B).

Representative Mean Annual Hydrograph for Seasonal Analysis

One component of the water quality data analysis contained in the document is a seasonal analysis of the data (where adequate data exist). In order to undertake this analysis, some representation of the park's seasons was required. Seasons can be based on many factors (eg. hydrologic, climatic, recreational use, etc.). Since project resources did not allow us to contact every park and discuss with resource management staff what appropriate seasons may be for the park, WRD staff elected to adopt primarily a hydrologic/climatic definition of the seasons which uses a process of hydrograph separation to glean seasons from stream discharge patterns. The procedure employed to make these determinations was as follows:

(1) Find the nearest USGS Hydro-Climatic Data Network (HCDN) station (U.S. Geological Survey 1992) to the park that is most representative of streamflow conditions at the park. The HCDN is basically a subset of USGS streamflow stations, including only those stations that are unaffected by artificial diversions, storage, or other disruptions of the natural channel. All HCDN stations generally have at least a 20 year period of record. Consequently, discharge patterns at these stations should reflect only hydrologic and climatic influences. For the most part, selected HCDN sites were typically within 15-20 miles of the park. In some parks where WRD staff were aware of the existence of a stream gage located within the park that would be more representative of park waters even though it wasn't an HCDN site, this gage was selected.

(2) Retrieve the daily discharge values for the selected station from the USGS Daily Values File and generate a mean annual hydrograph and a box-and-whiskers plot of daily flows by month.

(3) Interpret the plots based on our knowledge of the hydrologic regime at these parks and assign seasons.

This approach, used for the majority of parks, assumes that most water quality data at the park will be found in streams and that the discharge pattern of the selected stream is representative of the seasons for all park waterbodies. Although this assumption may be weak for certain parks, project resources did not allow a more thorough investigation. For parks where there wasn't any stream gage (HCDN or otherwise) deemed representative of park waters, precipitation records from a nearby meteorological station were obtained from the National Climatic Data Center. Plotting daily average precipitation and box-and-whiskers of monthly precipitation sums allowed WRD hydrologists to make a rough approximation of climatic seasons for use in analyzing the water quality data.

Again, it is important to note the many ways of defining "seasons" and thus the limitations of the seasonal analysis contained in this document. For certain parks it may be more useful to perform a seasonal analysis with seasons defined by recreational use patterns or some other natural or anthropogenic factor. This option is available to the park since all the water quality data analyzed in this document is contained on disk(s) accompanying this report. Digital, reproducible copies of this seasonal analysis graphic are also included on the disk(s) accompanying this report.

Contacts for Agency Codes Retrieved

This table provides a list of the organizations who have entered data into STORET. A contact name at the organization and a phone number are also supplied. The agency code in the first column is the key for identifying which stations belong to that agency. This code will appear in the first line of each station's inventory. Although the agencies listed in this table are potential partners for future water quality monitoring or management endeavors, don't be surprised if the name of the contact and/or the telephone number is out of date. This information is entered when an agency first creates a station. The agency may not update this information when the initial contact moves on or the telephone number changes. Nonetheless, it is likely that the contact or someone else at the agency may be able to provide you with project reports or other information relative to the agency's data. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Quantity of Data Retrieved by Agency Code

This table displays the period-of-record; numbers of water quality stations, longer-term stations, and stations without data; total number of water quality observations; and the number of unique water quality parameters measured by each agency within the study area and park boundary. Using this table, a park can quickly determine which agencies collect the most data in and around the park and whether they have monitored recently. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station Period of Record Tabulation

The Station Period of Record Tabulation provides a quick overview of the names of all the stations within the study area where water quality has been monitored and data entered into STORET. It also furnishes the total number of observations taken at each station and the frequency of observations between certain dates: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75. The station identification number, the four character park abbreviation code followed by a four digit number, provides the means to jump from a particular station in the table to the statistical and graphical analyses for this station contained in the Station-By-Station Results section. The Station Period of Record Tabulation reveals which water

quality stations were situated within the park as defined by the park's GIS boundary. The Station Period of Record Tabulation also footnotes longer-term water quality stations. Longer-term stations are those that have at least 6 parameters with an average of one or more observations per year for those parameters during a period of record extending at least two years. Note that although a station may not be flagged as longer-term, it can still harbor much important data (albeit for only a few parameters or over a very long term with just a few observations). A digital copy of this table accompanies this report on disk (See Appendices A and B).

Parameter Period of Record Tabulation

The Parameter Period of Record Tabulation provides a complete listing of every water quality parameter ever measured in the study area and entered into STORET. This table is a summation of all the water quality observations for each parameter across all stations in the study area. Like the Station Period of Record Tabulation, the total number of observations for each parameter and the frequency of observations between: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75 are provided. This table is handy for quickly assessing whether particular parameters have been measured in the study area. The Parameter Period of Record Tabulation also shows how many in-park (and total) water quality stations contained data for each parameter. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station/Parameter Period of Record Tabulation

The Station/Parameter Period of Record Tabulation combines the information found in the Station Period of Record Tabulation and the Parameter Period of Record Tabulation. This table provides a listing of all the stations where a particular water quality parameter was measured in the study area and the data entered into STORET. The table provides the start and end dates of the period of record of each parameter at each station; the number of years of measurement (computed from the start and end dates); whether the station/parameter combination occurred within the park boundary; the total number of observations for each parameter at each station, and whether a time series (T), annual (A), and/or seasonal (S) plot was generated for the station/parameter combination in the Station-By-Station Results section. This table is very useful when you need to determine at which locations within the study area (or park) particular parameters were monitored and how much data was collected there. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Station/Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station-By-Station Results

Probably the most voluminous portion of the document is the Station-By-Station Results. Here the results of the water quality analyses for each station are presented in sequence. The results include the station inventory; parameter inventory; EPA water quality criteria analysis; and, as applicable, time series graphics and annual and seasonal tables and box-and-whiskers graphics. Each of these products are discussed below.

Station Inventory for Station

Each station's data commences with its Station Inventory. The Station Inventory provides the descriptive attributes about each water quality monitoring station contained in STORET. This includes a variety of locational information such as a verbal description, the Federal Information Processing codes for county and state, latitude and longitude, and other items; the station type (stream, spring, estuary, etc.); monitoring agency; creation date; indices to the River Reach File; whether the station lies within the park boundary; and several other attributes. This water quality station location data is also contained on disk(s) accompanying the report (See Appendices A and B).

Parameter Inventory for Station

Following the descriptive attributes about a station is the Parameter Inventory for the station. The Parameter Inventory provides a complete inventory and descriptive summary of all the water quality parameter data for the station. This table furnishes the parameter STORET code and name; the period of record for this parameter at this station; and the descriptive statistics defined in the Statistical Definitions in the previous chapter. Three different footnotes can appear on a parameter's descriptive statistics. Two asterisks (**) in the 10th, 25th, 75th, or 90th percentile columns indicates that there was insufficient data to compute these statistics for this parameter. Percentiles were not computed unless the parameter had at least 9 observations. Two number signs (##) next to the number of observations indicates that more than 50 percent of the observations entered into the computations as values that were taken to be half the detection limit. Caution should be employed in interpreting and using statistical results when more than half the values are set to half the detection limit. The letter "p" following a numeric STORET parameter code in the Parameter Inventory indicates that a time series plot was produced for this parameter at this station. Digital, reproducible copies of the Parameter Inventory tables are contained on the disk(s) accompanying this report.

Two downloaded parameter groups, pH and bacteriological, received special treatment whenever descriptive statistics were computed in the Parameter Inventory (as well as subsequent annual and seasonal tables). Whenever pH appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original pH entry; (2) pH computed from conversion to and from $\mu eq/l\ H^+$; and (3) $\mu eq/l\ H^+$. The reason for these conversions is that pH is actually the negative logarithm of the hydrogen ion concentration. To be technically correct in computing descriptive statistics, pH values must be converted to $\mu eq/l\ H^+$ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as $\mu eq/l\ H^+$, the results can be converted back to pH. The three pH entries in the descriptive statistics table will all have the same STORET code.

Whenever a bacteriological parameter appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original bacteriological entry; (2) an entry computed using the log of each measured value; and (3) an entry that simply reports the geometric mean. The reason for converting to logs and displaying the geometric mean is convention. Bacteriological water quality standards typically reference the geometric mean rather than the arithmetic. The three bacteriological entries in the descriptive statistics tables will all have the same STORET code.

EPA Water Quality Criteria Analysis for Station

The EPA Water Quality Criteria Analysis table follows the Parameter Inventory. This table presents a comparison between the station's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. In most cases, the EPA water quality criteria values are single sample concentrations that can be directly compared to single sample STORET entries. There are, however, two notable exceptions to this single sample/single value comparison: ammonia and fecal-indicator bacteria. For these two parameters, criteria are either derived from or depend on the results of other chemical characteristics of the water or require a time series statistical treatment of multiple samples to determine whether the criterion has been exceeded. The EPA ammonia criterion is pH and temperature dependent. To calculate the criterion for each ammonia sample value was beyond

the scope of this project. Consequently, ammonia criteria were not included in Appendix F or the EPA Water Quality Criteria Analyses. Un-ionized ammonia criteria can be determined from formula table values included in the EPA Silver Book (Environmental Protection Agency 1995).

For the purposes of this project, fecal-indicator bacteria data were flagged as exceeding criteria when their concentrations exceeded 200, 1000, 126, and 33 (fresh)/35 (salt) colony forming units or most probable number for single samples of fecal coliform, total coliform, E. coli, and enterococci, respectively. These values represent only approximations of the criteria for primary contact recreation waters where criteria are typically expressed in terms of a geometric mean computed with no less than 5 samples during a given month. When a fecal-indicator bacterial observation exceeds a criterion in the EPA Water Quality Criteria Analysis section, the reader should refer to the corresponding geometric mean calculations in the preceding Parameter Inventory. Long-term geometric means that exceed the respective water quality criteria for multiple samples are more indicative of chronic bacteriological problems than single sample values.

Water quality observations carrying non-detection or below-detection limit remark codes (K, T, and U) required special treatment in the EPA Water Quality Criteria Analysis. As with the statistics in the Parameter Inventory, half the detection limit was the value used in the EPA Water Quality Criteria Analysis. For certain observations, however, half the detection limit may exceed a water quality criterion. For those observations it would be inappropriate to classify them as exceeding a criterion since the actual value wasn't known. Thus, it was decided that any below detection limit or non-detect observations that exceed a water quality criterion using half the detection value would be excluded from the EPA Water Quality Criteria Analysis. If non-detect or below detection limit values are excluded from the EPA Water Quality Criteria Analysis for a particular parameter, the total observations for that parameter will be footnoted with an ampersand (&). This will also explain the difference between the total observations in the Parameter Inventory and the EPA Water Quality Criteria Analysis. Non-detect or below detection limit values are included in the EPA Water Quality Criteria Analysis, however, if half the detection limit doesn't exceed the parameter's criterion.

The EPA Water Quality Criteria Analysis for each station lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis table is a good starting point for assessing potential water quality problems at the station, the reader is strongly encouraged to read the caveat section in the Introduction concerning drawing conclusions about water quality problems from this table. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Time Series Plots for Station

Following the EPA Water Quality Criteria analysis will be any Time Series Plots for each parameter that met the time series plot screening criterion selected for the park unit. If a time series plot is generated for a particular parameter at a station, a "p" will appear next to the STORET parameter code in the Parameter Inventory. If no time series plots are present for the particular station, the data did not meet the time series screening criterion listed in the Overview section of the Water Quality Results chapter. The x-axis on these plots is the period of record, listing only the 2-digit calendar year for clarity (i.e. 1983 is presented as 83). The y-axis is the concentration of the selected parameter in its measurement units. In general, the units for a given parameter are given either on the y-axis or in the parameter description in the subtitle of the graph. Subtitle and/or y-axis parameter descriptions may be truncated on the plots so as to not exceed the maximum number of plotting characters. Y-axis values less than zero are sometimes shown for better representation of the entire plot. The station identification code, parameter description, and parameter STORET code are presented in the main title. The footnote provides a descriptive location name. Observations on the plot are represented as squares. Lines are drawn connecting each successive observation. As mentioned previously in the Statistical Definitions section of the Methodology chapter, the interconnecting line is drawn only for ease of reading and provides no indication of what the actual parameter

values were between the two observed measurements. Digital, reproducible copies of all time series plots accompany the report on disk (See Appendices A and B).

For time series plots of pH, the original pH values are plotted. For time series plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a time series plot for bacteriological parameters is log-linear.

Annual Analysis for Station

If more than 9 observations exist in each of at least 4 years for a particular parameter at a station, an Annual Analysis table will be generated. Entries will be made in the table for each parameter having more than 9 observations in each of at least 4 years. The Annual Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by year, rather than the entire period of record. Although some of the years may not contain 9 observations, these years still have an entry in the table. A parameter needs only to have 9 observations in any 4 years of its period of record to qualify for the Annual Analysis table. Like the Parameter Inventory, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Annual Analysis table that also meet the annual analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Annual Box-and-Whiskers Plots for Station

Entries in the Annual Analysis table that meet the annual box-and-whisker plot screening criterion will generate Annual Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each year of the period of record, even if less than 9 observations were recorded in the year. The axis labeling and plot titling is the same as for the time series plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For annual box-and-whiskers plots of pH, μeq/l H^+ are plotted. For annual box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of an annual box-and-whiskers plot for bacteriological parameters is log-linear.

Seasonal Analysis for Station

As explained above, a park's hydrologic seasons for seasonal water quality analysis were determined using a process of hydrograph separation and other techniques. If a parameter has more than 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years, a Seasonal Analysis table will be generated for the station. The Seasonal Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by season, rather than the entire period of record. Although certain parameters for a season at a station may not contain 9 observations, these parameters can still have an entry in the table. A parameter needs only to have 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years to qualify for the Seasonal Analysis table. Consequently, some of the parameters could have fewer than 9 observations in a particular season but still generate a table entry. Like the Parameter Inventory and Annual Analysis, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Seasonal Analysis table that also meet the seasonal analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Seasonal Box-and-Whiskers Plots for Station

Entries in the Seasonal Analysis table that meet the seasonal box-and-whisker plot screening criterion will generate Seasonal Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each season of the period of record, even if less than 9 observations were recorded in the season. On the x-axis, the seasons are labeled 1 through the number of seasons defined for the park through hydrograph separation. The actual calendar dates that correspond to these numerically labeled seasons exist in the Overview section and the Seasonal Analysis tables in the Water Quality Results chapter. The axis labeling and plot titling are the same as for the time series and annual box-and-whiskers plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For seasonal box-and-whiskers plots of pH, μeq/l H^+ are plotted. For seasonal box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a seasonal box-and-whiskers plot for bacteriological parameters is log-linear.

EPA Water Quality Criteria Analysis for Entire Park Study Area

This table essentially summarizes all the individual station-by-station EPA water quality criteria analyses in the study area. (Refer to the EPA Water Quality Criteria Analysis for Station section above for more detailed information on the treatment of special cases in the EPA Water Quality Criteria Analysis for Entire Park Study Area.) This table presents a comparison between the study area's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. The EPA Water Quality Criteria Analysis for the Entire Park Study Area lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis for the Entire Park Study Area is a good starting point for assessing potential water quality problems at the park, the reader is strongly encouraged to read the caveat section in the Introduction before drawing conclusions about water quality problems from this table. A digital, reproducible copy of this table accompanies the report on disk (See Appendices A and B).

NPS Servicewide Inventory and Monitoring Program
Level I Water Quality Inventory Data Evaluation and Analysis (IDEA)

One of the objectives of this Baseline Water Quality Data Inventory and Analysis project is to perform an IDEA - an Inventory Data Evaluation and Analysis - to determine the presence and/or absence of Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in the park's study area. The Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service (National Park Service 1993) identified the basic water quality parameters displayed in Table I as the parameters that all parks must have for "key" waterbodies (determined on the basis of size, uniqueness, threats, etc.) within park boundaries. Since these parameters can be measured in different ways and with different units, there are multiple STORET codes associated with each parameter; hence the concept of parameter groups. The Strategic Plan distinguishes between those parameter groups required for all parks and parameter groups required only on a case-by-case basis.

The IDEA basically compares the parameters listed in the Parameter Period of Record Tabulation and Station/Parameter Period of Record Tabulation with the "Level I" Servicewide Inventory and Monitoring water quality parameter groups, listed in Table I and in Appendix G, and notes, not only the presence or absence of each parameter group, but the total number of observations for each parameter present in the group; the number of

observations between certain time periods; and the total number of stations within the study area at which the parameter was measured. The total number of different (unique) stations measuring parameters for the group is in parentheses on each parameter group's summary line.

The first page of the IDEA lists the missing Servicewide Inventory and Monitoring Program "Level I" groups. If a parameter group appears on this list, no data for any of the parameters defining the group (See Appendix G) was retrieved for it within the study area. So-called non-priority parameter groups may appear in the missing list. Non-priority parameters are park-specific parameters (case-by-case) which may not be applicable to your park. Consequently, if you believe a particular parameter, not included in IDEA (See Appendix G), to be important for your park, you will have to consult the Parameter and Station/Parameter Period of Record Tabulations to determine the presence or absence of this parameter for the park. Although considered a "Level I" parameter, biological data, obtained through rapid bioassessment or other means, is not considered in this report which deals specifically with surface water chemistry. Following the Missing Level I Group list is the Present Level I Group list which displays the summary results for each Servicewide Inventory and Monitoring "Level I" water quality parameter group that was found.

Table I. Basic "Level I" Water Quality Parameters Identified as Required and Optional By the Servicewide Inventory and Monitoring Program for "Key" Park Waterbodies

Required Parameter Groups:
(1) Alkalinity
(2) pH
(3) Conductivity
(4) Dissolved Oxygen
(5) Rapid Bioassessment Baseline (EPA/State protocols, involving fish and macroinvertebrates)
(6) Temperature
(7) Flow

Case-By-Case Parameters Groups:
(8) Toxic Elements
(9) Clarity/Turbidity
(10) Nitrate/Nitrogen
(11) Phosphate/Phosphorus
(12) Chlorophyll
(13) Sulfates
(14) Bacteria

The last page of the IDEA summarizes the information from the Missing and Present Level I Group lists. This page provides information on the temporal and spatial distributions of the data. Included in this table are the total number of observations for each parameter group; the number of observations since January 1, 1985; the percent of the total observations since January 1, 1985; the number of stations measuring each parameter group; the percent of the total number of stations with data measuring the parameter group; the number of observations per station with data; the period-of-record for this parameter group; and the average number of observations per year of the period-of-record.

In interpreting the results of the IDEA, the reader should first consult the Missing Level I Group list. For the parameter groups listed, there was no baseline water quality data within the study area entered in STORET. Consequently, these parameter groups could be a higher priority for data collection. It is important, however, to realize that data within these parameter groups may have been already collected but not entered into STORET. The resources for this project did not enable us to pursue thorough literature and file cabinet reviews to dredge up

every last iota of data. If data exists for certain Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in a park's file cabinet, it is the park's responsibility to factor that data into their IDEA. Consequently, the listing of a parameter group on the Missing "Level I" Group list is not a WRD endorsement to launch a study to collect these data. The IDEA is intended to simply note that no data exist for these parameter groups in STORET for the park. It is the park's responsibility to ascertain whether such data has already been collected by the park or other entities before embarking on a new study. In fact, in the future the WRD will require that any park study plan proposing to collect baseline water quality data show that they have consulted their Baseline Water Quality Data Inventory and Analysis report and searched in other locations (file cabinets, published literature, etc.) for the data they propose to collect. A similar interpretation springs from the Present "Level I" Group list. Insufficient data density in certain time periods for particular parameter groups is not necessarily cause for launching a new inventory and/or monitoring program. The park should still consult with other potential sources of data. Again, the IDEA is designed to provide only a quick check on data in STORET for the Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups.

Water Quality Observations Outside STORET Edit Criteria for Park

STORET data entered after November 1983 were subjected to rudimentary edit/bounds checking for 190 common parameters (See the STORET Edit Criteria in Appendix C). None of the data entered into STORET prior to that time has been subjected to edit/bounds checking. Moreover, to maintain exact comparability with USGS WATSTORE data, WATSTORE data entered into STORET has never been subjected to the EPA edit/bounds checking. During the pilot test phase of this project, obviously incorrect data was identified from both USGS and other agency data in STORET. As a consequence, all data downloaded from STORET was filtered through the STORET edit criteria to identify parameter observation values that fall outside any edit criterion ranges. This section documents the station name, parameter, date, time, parameter value, agency, and STORET station name of every observation that fell outside the range of an edit criterion. Not all data falling outside an edit criterion are necessarily incorrect. Such data may represent unique or special conditions. Consequently, every observation falling outside a STORET edit criterion was scrutinized to determine, in our best professional judgement, whether the value was in the realm of possibility or obviously incorrect. Water quality observations that appeared to be obviously incorrect are marked with an "X" in the Disposition column of this table. These values were not retrieved or included in any of the inventory tables or graphs. Water quality values outside a STORET edit criterion but within the realm of possibility were retained and included in inventory tables and graphs. The Water Quality Observations Outside STORET Edit Criteria for Park table documents all values that were outside an edit criterion range. This documentation is also necessitated by the fact that agencies can override the STORET edit criteria for individual observations. Although the edit criteria eliminate some potentially "bad" data from the report, the probability of other incorrect data, for both the 190 parameters that are edit/bound checked and all the other STORET parameters that aren't error checked, is high. Readers should consult the Caveat section in the Introduction for guidelines on the use and interpretation of STORET data. The responsibility for correcting these observations rests with the collecting agency.

WATER QUALITY RESULTS

OVERVIEW FOR PECO[1]

Study Area Boundary Description

The study area includes the park and all areas within at least 3 miles upstream of the park unit boundary and at least 1 mile downstream.

	Study Area	Park
GIS Estimated Acreage:	159638	6524
# STORET Stations:	54	4
# Stations With No Data:	6	0
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	22	0
Date of STORET Retrieval:	08/06/95	08/06/95
Period of Record:	11/06/62-04/28/95	10/17/89-04/28/95
# Parameters Measured:	321	45
# Water Quality Observations:	25150	291
# Industrial/Municipal Facilities:	0	0
# Drinking Water Intakes:	1	0
# Water Gages:	6	0
# Water Impoundments:	1	0
# Total Plots:	97	0
# Time Series:	41	0
# Annual:	10	0
# Seasonal:	46	0

Hydrologic Definition of Seasons:

1. July 15 - October 14
2. October 15 - March 14
3. March 15 - May 19
4. May 20 - July 14

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 10 years and at least 40 observations.

Annual Analysis Criteria:

To be included in the annual box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of at least 4 years.

To be included in the annual analysis tables, a station/parameter combination must have at least 9 observations in each of at least 4 years.

Seasonal Analysis Criteria:

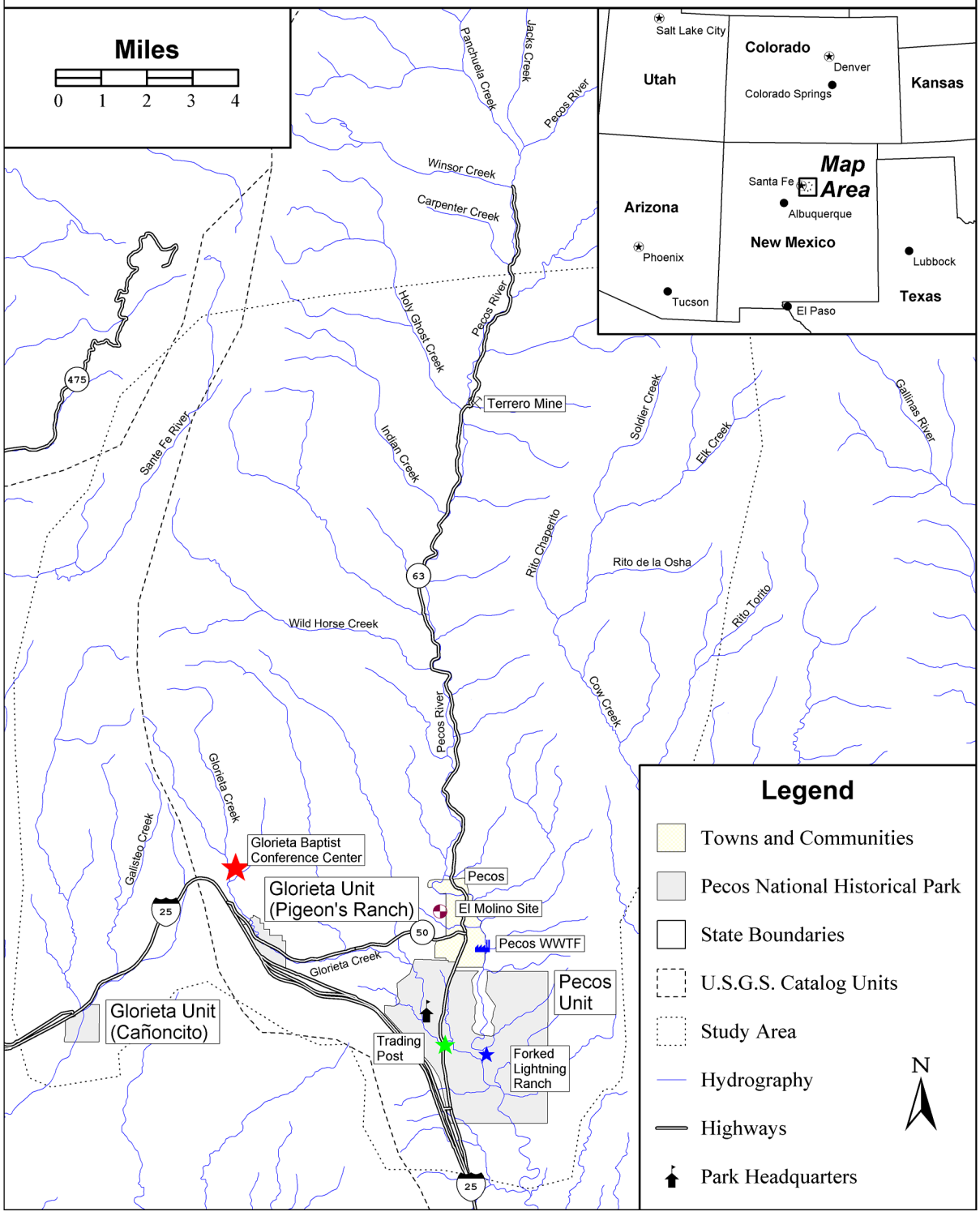
To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 18 years and observations in at least 4 of the 18 years.

To be included in the seasonal analysis tables, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years.

[1]To prepare a Microsoft Word version of this report, data were reprocessed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

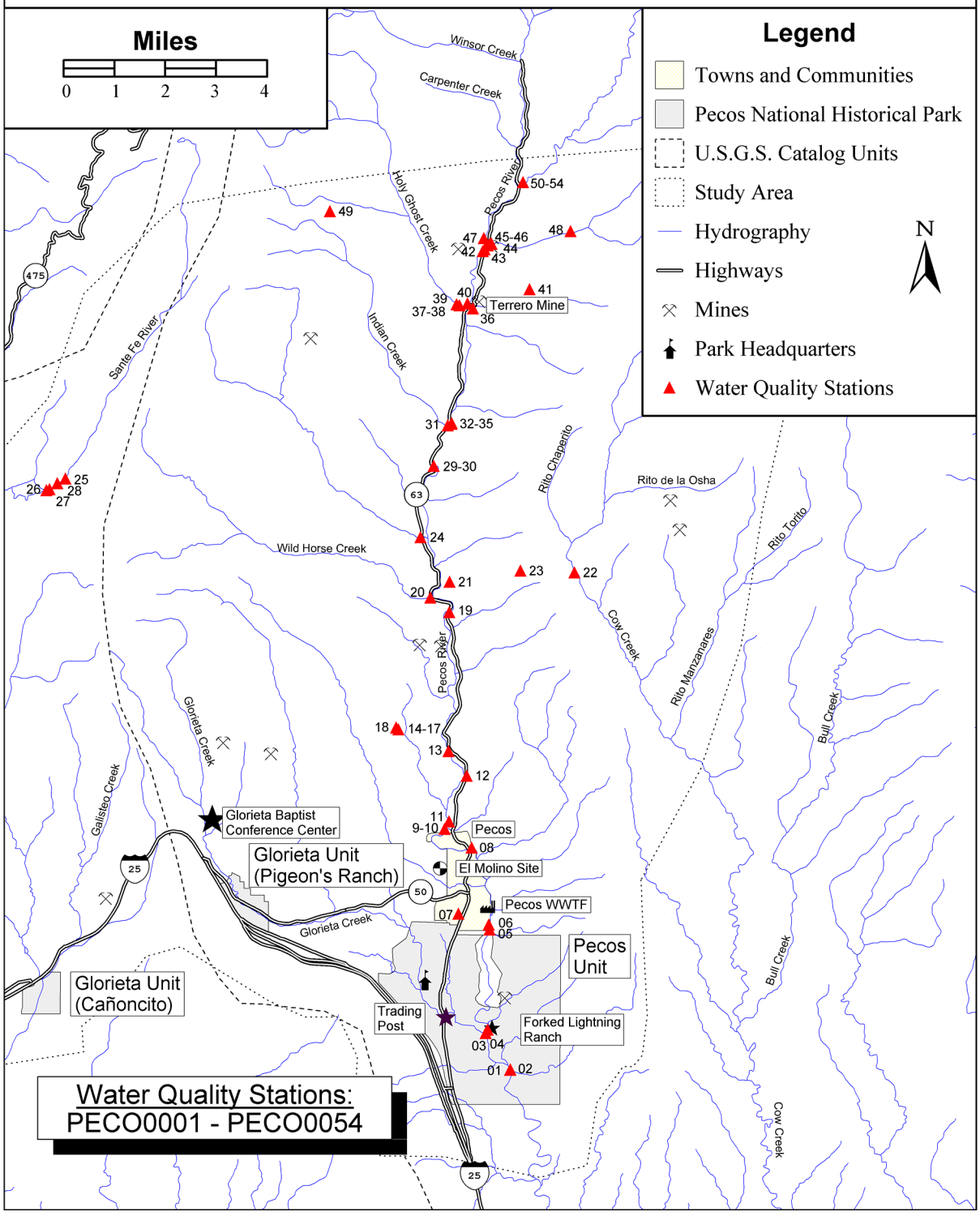
Pecos National Historical Park

Regional Location Map



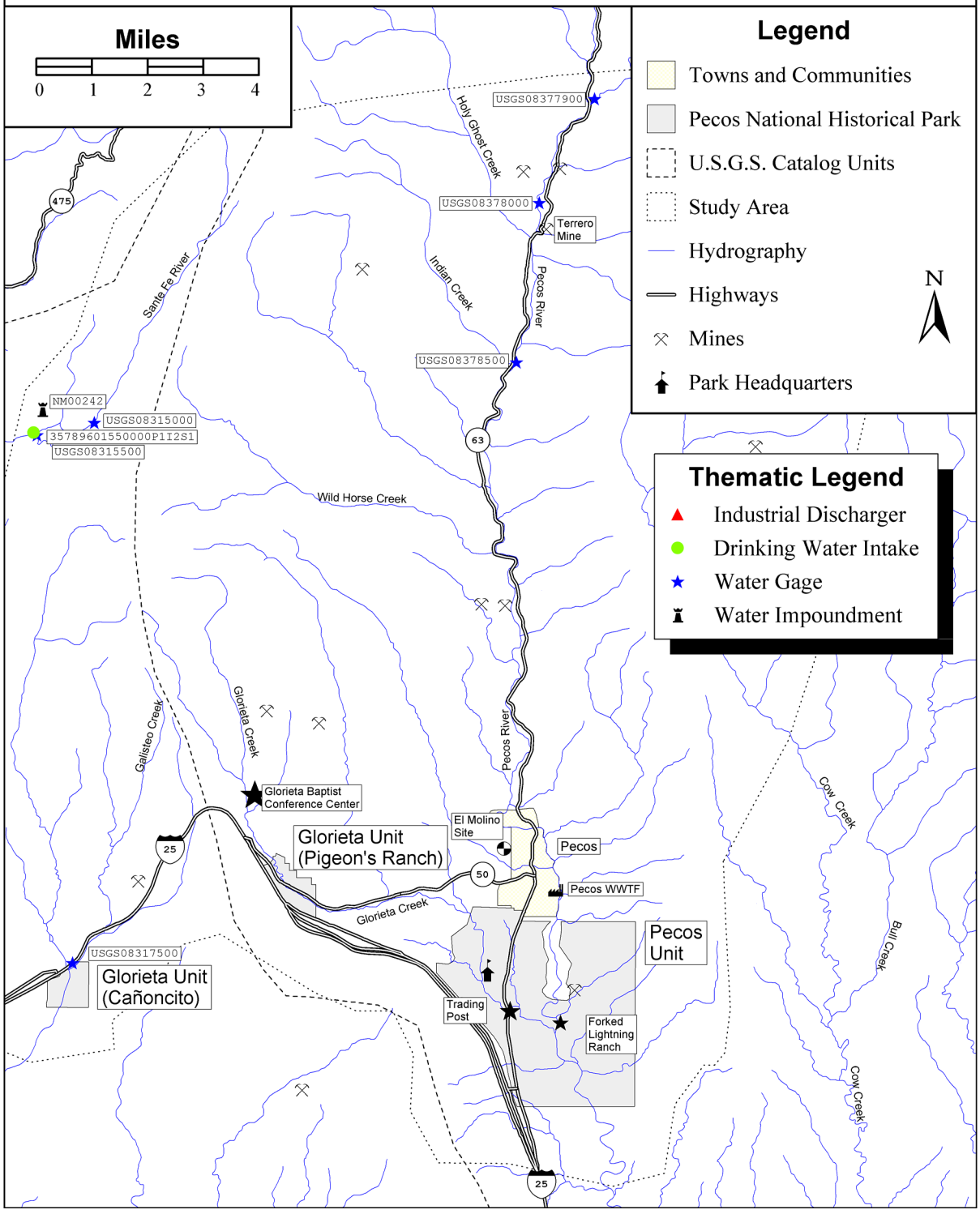
Pecos National Historical Park

Water Quality Monitoring Locations



Pecos National Historical Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Industrial Facility Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Within the PECO Study Area

Industrial Facility Discharges

Site ID	Station/Facility Name	Address	City	Facility Receiving Water Name

No IFD sites available for this study area.

Drinking Water Intakes

Site ID	Station/Facility Name	City	Population Served	Avg. Daily Production (Gal./Day)
35789601550000P1I2S1	MC CLURE RESERVOIR	SANTA FE	43000	0.00

Water Gages

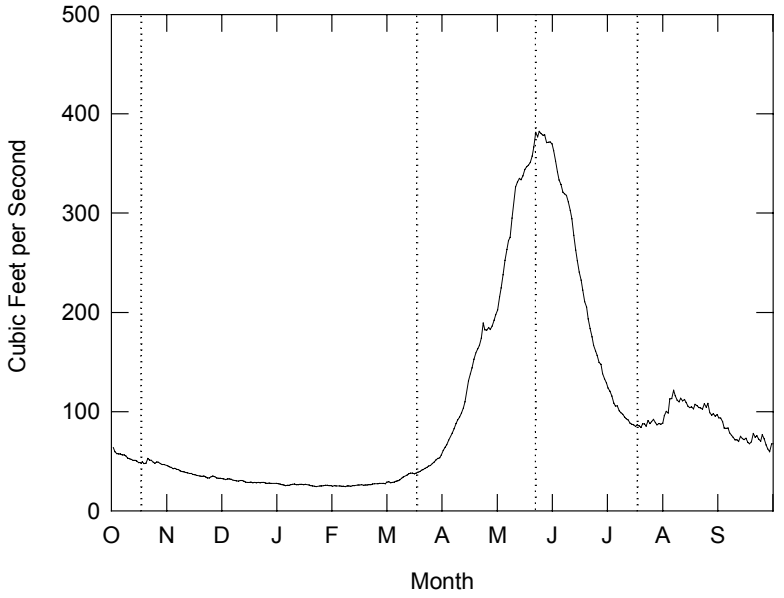
Site ID	Station Name	Site Type	Drainage Area (Square Miles)	Begin Year	End Year
USGS08315000	SANTA FE R AT MONUME	Stream	1400.00		
USGS08315500	MCCLURE RESERVOIR NEAR SANTA FE N MEX	Stream	17.40	1980	1982
USGS08317500	GALISTEO CREEK AT CA	Stream	11.30		
USGS08377900	RIO MORA NEAR TERRERO, NM	Stream	53.20	1964	1993
USGS08378000	PECOS R NR COWLES N		6000.00		
USGS08378500	PECOS R NR PECOS, NM	Stream	189.00	1920	1993

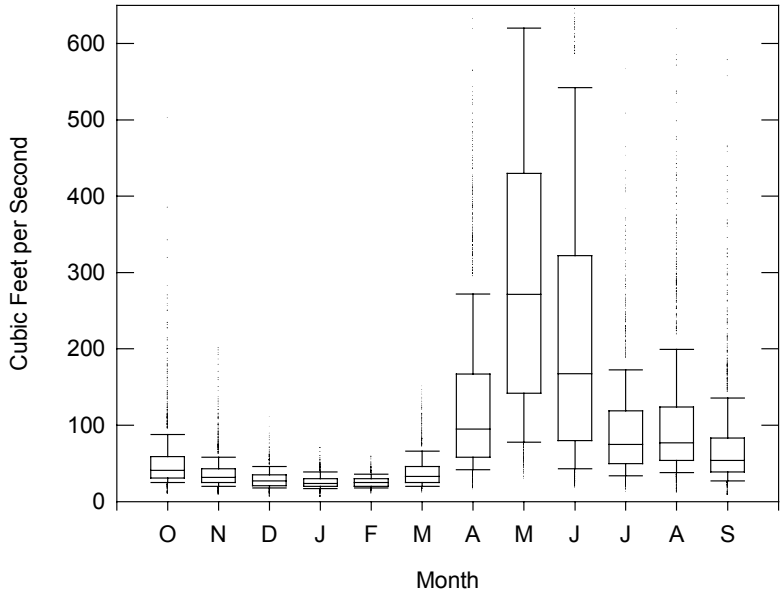
Water Impoundments

Site ID	Impoundment Name	Owner	Primary Purpose	Type of Dam	Downstream Hazard	Year Completed
NM00242	MCCLURE DAM	NEMEX PUB SERV CO	Supply	Earth	High	1926

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

PECOS NATIONAL HISTORICAL PARK
Pecos River near Pecos, NM
08378500, 64 year record





Representative mean annual hydrograph (top) and distribution of daily flows by month (bottom) for hydrologic season determination. Box and whiskers represent a five number summary; bottom whisker cap is 10th percentile, bottom of box is 25th percentile, internal line is median, top of box is 75th percentile, and top whisker is 90th percentile. Hydrologic seasons for Pecos National Historical Park are: Jul. 15 to Oct. 14, Oct. 15 to Mar. 14, Mar. 15 to May 19, and May 20 to Jul. 14.

CONTACTS FOR AGENCY CODES RETRIEVED FOR PECO

AGENCY	PRIMARY CONTACT NAME	ORGANIZATION	PHONE NUMBER(S)	
21NMEX	DITMORE, DON	N.MEXICO DEPT HLTH & ENV	(505)827-2823	
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516	(970)225-3518
113FORS3	SOLOMON, RHEY	US FOREST SERVICE	(505)766-3616	(504)766-1835
112WRD	YORKE, TOM	US GEOLOGICAL SURVEY	(703)648-5687	
11NATDC	HOELMAN, LOUIS	USEPA HQ	(202)260-7050	
11BIOACC	KRONER, STEVE	U.S. EPA MDSD	(202)260-4761	

QUANTITY OF DATA RETRIEVED FOR PECO BY AGENCY CODE

WITHIN THE ENTIRE STUDY AREA (S.A.) AND JUST WITHIN THE PARK

Agency	Organization	Period of Record		Water Quality Stations		Longer Term[1] Stations		No Data Stations		Water Quality Observations		Water Quality Parameters	
		Study Area	/ Park Only	S.A.	/ Park	S.A.	/ Park	S.A.	/ Park	S.A.	/ Park	S.A.	/ Park
21NMEX	N.MEXICO DEPT HLTH & ENV	06/29/71-12/08/92	10/17/89-10/17/89	39	1	16	0	5	0	15829	42	97	42
11NPSWRD	NATIONAL PARK SERVICE	01/31/94-04/28/95	01/31/94-04/28/95	3	3	0	0	0	0	249	249	7	7
113FORS3	US FOREST SERVICE	07/20/67-08/02/78	No Data in Park	7	0	5	0	0	0	1127	0	40	0
112WRD	US GEOLOGICAL SURVEY	11/06/62-06/25/92	No Data in Park	3	0	1	0	0	0	7882	0	217	0
11NATDC	USEPA HQ	No Data in S.A.	No Data in Park	1	0	0	0	1	0	0	0	0	0
11BIOACC	U.S. EPA MDSD	11/12/86-11/12/86	No Data in Park	1	0	0	0	0	0	63	0	63	0
Totals		11/06/62-04/28/95	10/17/89-04/28/95	54	4	22	0	6	0	25150	291	321	45

[1]Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Station Period of Record Tabulation
From 11/06/62 To 04/28/95

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75
PECO0001	PECOS RIVER NR ROWE AT OLD COLONIAS ROAD	Yes	42	42	0	0
PECO0002	PECOS RIVER AT COLONIAS BRIDGE	Yes	81	81	0	0
PECO0003	GLORIETA CREEK	Yes	80	80	0	0
PECO0004	PECOS RIVER AT THE FORKED LIGHTNING RANCH HOUSE	Yes	88	88	0	0
PECO0005	PECOS R 3/4 MILE BLW PECOS, NM	No	160	0	72	88
PECO0006	PECOS RIVER BLW VILLAGE OF PECOS WWTF	No	39	39	0	0
PECO0007	PECOS RIVER BELOW PECOS NM	No	46	0	46	0
PECO0008	PECOS R AT BRIDGE AB PECOS, NM	No	241	81	71	89
PECO0009	PECOS RIVER AT FOREST BOUNDARY	No	54	0	54	0
PECO0010[1]	PECOS RIVER AT MONASTARY LAKE	No	59	0	59	0
PECO0011[1]	PECOS RIVER DUE WEST OF MONASTERY LAKE	No	597	295	302	0
PECO0012	PECOS R BLW LISBOA SPRINGS HATCH	No	169	0	77	92
PECO0013[1]	PECOS AT HATCHERY DIVERSION	No	795	795	0	0
PECO0014	HATCHERY RACEWAY B6	No	75	75	0	0
PECO0015[1]	HATCHERY RACEWAY C6	No	719	719	0	0
PECO0016[1]	HATCHERY RACEWAY C7	No	720	720	0	0
PECO0017[1]	HATCHERY RACEWAY D1	No	680	680	0	0
PECO0018	HATCHERY RACEWAY A-8	No	290	290	0	0
PECO0019[1]	PECOS AT DALTON FISHING SITE	No	282	0	0	282
PECO0020[1]	DALTON CANYON CREEK 20 M WEST OF HWY 63 BRDG	No	295	199	96	0
PECO0021	PECOS R AT DALTON FISHING SITE	No	167	0	78	89
PECO0022	UPPER COW CREEK AT 1ST BRIDGE ON FR92 ON SFNF	No	0	0	0	0
PECO0023[1]	PECOS R. IMMED ABV. MOUTH OF RIO MORA	No	442	442	0	0
PECO0024	MACHO CANYON CREEK 10M WEST OF HWY 63 BRDG	No	96	0	96	0
PECO0025[1]	SANTA FE R AT USGS GAGING STA	No	286	0	0	286
PECO0026	SANTA FE R AB MCCLURE RESERVOIR,NM	No	52	0	0	52
PECO0027	SANTA FE RIVER ABOVE MCCLURE RES	No	66	38	28	0
PECO0028[1]	SANTA FE RIVER ABOVE MCCLURE RES	No	113	0	113	0
PECO0029	PECOS RIVER ABOVE WINDY BRIDGE	No	255	94	73	88
PECO0030	PECOS RIVER 50 METERS BELOW WINDY BRIDGE	No	12	12	0	0
PECO0031[1]	INDIAN CREEK 3M WEST OF HWY 63 BRDG	No	326	42	284	0
PECO0032	PECOS RIVER AT USGS GAGE 90M UPSTREAM INDIAN CRK	No	256	0	256	0
PECO0033	PECOS R NR PECOS, NM	No	240	0	0	240
PECO0034	PECOS RIVER AT USGS GAGE	No	50	0	50	0
PECO0035	PECOS RIVER AT USGS GAGE#8378500	No	51	0	51	0
PECO0036	PECOS R. 50FT ABV HOLYGHOST CR	No	0	0	0	0
PECO0037	HOLY GHOST CREEK BELOW HOMES	No	47	0	47	0
PECO0038	HOLY GHOST CREEK BELOW HOMES	No	43	0	43	0
PECO0039[1]	HOLY GHOST CR 300M UPSTRM HWY63 BR OVER PECOS R	No	1267	970	297	0
PECO0040[1]	PECOS R AT TERRERO, NM	No	1712	1543	72	97
PECO0041[1]	WILLOW CREEK ABV SPOILS	No	925	925	0	0
PECO0042[1]	LOW CR BLW WHITE DRAIN	No	806	806	0	0
PECO0043	LOW CR BLW BEAVER PONDS	No	0	0	0	0
PECO0044[1]	WHITE FLOW FROM MINE SPOILS	No	574	574	0	0
PECO0045[1]	WILLOW CRK 70M UPSTRM HWY 63 BRDG	No	1639	1354	285	0
PECO0046	WILLOW CR JUST ABV SR 63 AT MINE	No	0	0	0	0
PECO0047[1]	PECOS RIVER 400M ABOVE CONFLUENCE W WILLOW CK	No	1445	1143	302	0
PECO0048	WILLOW CR .75 MI ABV FOREST SERVICE GATE	No	0	0	0	0
PECO0049	NORTH FORK OF TESUQUE CR BLW HYDE PARK (475) RD	No	289	289	0	0
PECO0050[1]	RIO MORA NEAR TERRERO, NM	No	7590	1534	3099	2957
PECO0051[1]	RIO MORA AT USGS GAGING STATION	No	293	0	17	276
PECO0052	RIO MORA NR TERRERO	No	0	0	0	0
PECO0053[1]	RIO MORA AT USGS GAGE 08377900	No	533	533	0	0
PECO0054	RIO MORA @ TERRERO	No	63	63	0	0

[1]Longer Term Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Parameter Code	Name	Total Obs	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE	3	0	1	2	1	0
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	933	267	408	258	44	4
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	41	0	0	41	3	0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	164	55	89	20	20	1
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	49	9	0	40	5	2
00025	BAROMETRIC PRESSURE (MM OF HG)	35	26	9	0	1	0
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	48	30	18	0	1	0
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	68	30	38	0	1	0
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL	2	0	2	0	2	0
00060	FLOW, STREAM, MEAN DAILY CFS	211	0	25	186	10	0
00061	FLOW, STREAM, INSTANTANEOUS CFS	308	27	166	115	7	0
00065	STAGE, STREAM (FEET)	2	0	2	0	1	0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	260	31	34	195	25	0
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	80	25	55	0	6	0
00080	COLOR (PLATINUM-COBALT UNITS)	154	55	0	99	14	0
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	166	166	0	0	17	0
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	176	176	0	0	21	1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	856	332	291	233	41	4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	58	58	0	0	12	0
00300	OXYGEN, DISSOLVED MG/L	352	81	140	131	29	4
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	98	48	50	0	11	3
00310	BOD, 5 DAY, 20 DEG C MG/L	31	0	0	31	1	0
00335	COD, .025N K2CR2O7 MG/L	14	0	0	14	1	0
00400	PH (STANDARD UNITS)	665	267	154	244	41	4
00403	PH, LAB, STANDARD UNITS SU	272	251	21	0	24	0
00405	CARBON DIOXIDE (MG/L AS CO2)	74	0	21	53	5	0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	369	253	35	81	29	1
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	39	0	0	39	3	0
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	3	3	0	0	1	0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	3	0	0	3	3	0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	3	0	0	3	3	0
00440	BICARBONATE ION (MG/L AS HCO3)	409	245	80	84	29	1
00445	CARBONATE ION (MG/L AS CO3)	296	197	21	78	24	0
00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	3	3	0	0	1	0
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	3	3	0	0	1	0
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	19	19	0	0	1	0
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	19	19	0	0	1	0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	29	0	3	26	4	0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	322	252	55	15	30	1
00600	NITROGEN, TOTAL (MG/L AS N)	255	243	7	5	24	1
00602	NITROGEN, DISSOLVED (MG/L AS N)	8	0	8	0	1	0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	236	220	12	4	24	1
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	12	0	12	0	1	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	52	27	23	2	3	0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	385	269	115	1	34	1
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	27	24	0	3	1	0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	63	63	0	0	13	0
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	13	2	2	9	3	0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	119	70	40	9	23	0
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	13	1	12	0	1	0
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	12	0	12	0	1	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	359	272	84	3	28	1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	337	195	134	8	29	1
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	65	27	27	11	2	0
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	242	242	0	0	23	1
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14	0	2	12	1	0
00655	PHOSPHATE, POLY (MG/L AS PO4)	9	0	0	9	3	0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	27	0	7	20	5	0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	449	273	158	18	34	1
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	48	27	21	0	1	0
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	57	28	18	11	4	0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	29	0	8	21	8	0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	6	0	5	1	2	0
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	5	0	5	0	1	0
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	18	0	15	3	1	0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	406	228	52	126	31	1
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	42	0	0	42	3	0
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	123	1	38	84	3	0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	459	270	115	74	28	1
00916	CALCIUM, TOTAL (MG/L AS CA)	2	2	0	0	1	0
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	459	270	115	74	28	1

Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Parameter Code	Name	Total Obs	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00927	MAGNESIUM, TOTAL (MG/L AS MG)	2	2	0	0	1	0
00929	SODIUM, TOTAL (MG/L AS NA)	2	2	0	0	1	0
00930	SODIUM, DISSOLVED (MG/L AS NA)	461	273	115	73	28	1
00931	SODIUM ADSORPTION RATIO	124	2	49	73	2	0
00932	SODIUM, PERCENT	92	1	49	42	2	0
00933	SODIUM,PLUS POTASSIUM (MG/L)	4	0	4	0	1	0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	458	270	115	73	28	1
00937	POTASSIUM, TOTAL MG/L AS K)	2	2	0	0	1	0
00940	CHLORIDE,TOTAL IN WATER MG/L	521	279	117	125	33	1
00945	SULFATE, TOTAL (MG/L AS SO4)	487	255	117	115	32	1
00946	SULFATE, DISSOLVED (MG/L AS SO4)	25	25	0	0	6	0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	163	26	55	82	5	0
00951	FLUORIDE, TOTAL (MG/L AS F)	158	158	0	0	17	0
00955	SILICA, DISSOLVED (MG/L AS SI02)	155	26	56	73	2	0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	152	132	18	2	21	1
01001	ARSENIC, SUSPENDED (UG/L AS AS)	4	0	4	0	1	0
01002	ARSENIC, TOTAL (UG/L AS AS)	294	220	70	4	27	1
01005	BARIUM, DISSOLVED (UG/L AS BA)	155	134	18	3	21	1
01006	BARIUM, SUSPENDED (UG/L AS BA)	5	0	5	0	1	0
01007	BARIUM, TOTAL (UG/L AS BA)	293	219	70	4	27	1
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	133	116	16	1	16	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	142	87	55	0	19	0
01015	BISMUTH, DISSOLVED (UG/L AS BI)	1	0	0	1	1	0
01020	BORON, DISSOLVED (UG/L AS B)	158	95	0	63	15	0
01022	BORON, TOTAL (UG/L AS B)	87	87	0	0	14	0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	153	132	18	3	21	1
01027	CADMIUM, TOTAL (UG/L AS CD)	294	220	70	4	27	1
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	151	132	18	1	20	1
01031	CHROMIUM, SUSPEND (UG/L AS CR)	4	0	4	0	1	0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11	0	0	11	5	0
01034	CHROMIUM, TOTAL (UG/L AS CR)	293	220	69	4	27	1
01035	COBALT, DISSOLVED (UG/L AS CO)	130	118	11	1	14	0
01037	COBALT, TOTAL (UG/L AS CO)	87	87	0	0	14	0
01040	COPPER, DISSOLVED (UG/L AS CU)	190	128	16	46	21	0
01042	COPPER, TOTAL (UG/L AS CU)	281	207	70	4	24	0
01044	IRON, SUSPENDED (UG/L AS FE)	5	0	5	0	1	0
01045	IRON, TOTAL (UG/L AS FE)	316	201	69	46	27	0
01046	IRON, DISSOLVED (UG/L AS FE)	179	131	16	32	18	0
01049	LEAD, DISSOLVED (UG/L AS PB)	151	132	18	1	20	1
01051	LEAD, TOTAL (UG/L AS PB)	295	220	69	6	28	1
01054	MANGANESE, SUSPENDED (UG/L AS MN)	3	0	3	0	1	0
01055	MANGANESE, TOTAL (UG/L AS MN)	315	200	69	46	27	0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	149	131	15	3	18	0
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	135	118	16	1	16	0
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	208	153	55	0	23	0
01065	NICKEL, DISSOLVED (UG/L AS NI)	136	130	5	1	15	0
01067	NICKEL, TOTAL (UG/L AS NI)	204	204	0	0	21	0
01075	SILVER, DISSOLVED (UG/L AS AG)	155	134	18	3	21	1
01076	SILVER, SUSPENDED (UG/L AS AG)	4	0	4	0	1	0
01077	SILVER, TOTAL (UG/L AS AG)	287	219	64	4	27	1
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	131	118	12	1	14	0
01082	STRONTIUM, TOTAL (UG/L AS SR)	87	87	0	0	14	0
01085	VANADIUM, DISSOLVED (UG/L AS V)	130	118	11	1	14	0
01086	VANADIUM, SUSPENDED (UG/L AS V)	95	95	0	0	13	0
01087	VANADIUM, TOTAL (UG/L AS V)	15	0	15	0	6	0
01090	ZINC, DISSOLVED (UG/L AS ZN)	148	128	16	4	18	0
01091	ZINC, SUSPENDED (UG/L ZN)	4	0	4	0	1	0
01092	ZINC, TOTAL (UG/L AS ZN)	281	207	70	4	24	0
01100	TIN, DISSOLVED (UG/L AS SN)	96	95	0	1	14	0
01102	TIN, TOTAL (UG/L AS SN)	87	87	0	0	14	0
01105	ALUMINUM, TOTAL (UG/L AS AL)	134	134	0	0	17	0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	136	130	5	1	15	0
01125	GERMANIUM, DISSOLVED (UG/L AS GE)	1	0	0	1	1	0
01130	LITHIUM, DISSOLVED (UG/L AS LI)	35	23	11	1	1	0
01140	SILICON, DISSOLVED (UG/L AS SI)	95	95	0	0	13	0
01142	SILICON, TOTAL (UG/L AS SI)	87	87	0	0	14	0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	154	134	18	2	21	1
01146	SELENIUM, SUSPENDED (UG/L AS SE)	4	0	4	0	1	0
01147	SELENIUM, TOTAL (UG/L AS SE)	293	220	69	4	27	1
01150	TITANIUM, DISSOLVED (UG/L AS TI)	1	0	0	1	1	0
01300	OIL-GREASE (SEVERITY)	8	0	0	8	2	0

Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Parameter Code	Name	Total Obs	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01305	DETERGENT SUDS (SEVERITY)	8	0	0	8	2	0
01325	ALGAE, FLOATING MATS (SEVERITY)	8	0	0	8	2	0
01330	ODOR, ATMOSPHERIC (SEVERITY)	8	0	0	8	2	0
01340	FISH, DEAD (SEVERITY)	8	0	0	8	2	0
01345	DEBRIS, FLOATING (SEVERITY)	7	0	0	7	2	0
01350	TURBIDITY (SEVERITY)	8	0	0	8	2	0
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	8	0	0	8	2	0
01515	ALPHA, DISSOLVED GROSS, AS URANIUM-NATURAL, PC/L	7	0	3	4	1	0
01516	ALPHA, SUSPEND GROSS, AS URANIUM NATURAL, PC/L	6	0	2	4	1	0
03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	29	12	11	6	1	0
03516	BETA, SUSPENDED GROSS, AS CS-137, PC/L	29	12	11	6	1	0
09511	RADIUM 226, DISSOLVED, RADON METHOD	28	11	11	6	1	0
22703	URANIUM, NATURAL, DISSOLVED	10	9	0	1	1	0
28011	URANIUM,NATURAL,TOTAL UG/L AS U	12	0	12	0	6	0
30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	1	1	0	0	1	0
30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	1	1	0	0	1	0
30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	1	1	0	0	1	0
30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	1	1	0	0	1	0
30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	1	1	0	0	1	0
30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30351	PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30352	HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30355	HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	1	1	0	0	1	0
30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	1	1	0	0	1	0
30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	1	1	0	0	1	0
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	88	0	33	55	4	0
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	7	0	0	7	1	0
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	344	4	145	195	14	1
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	67	23	44	0	1	0
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	64	23	41	0	1	0
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	78	0	11	67	11	0
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	1	1	0	0	1	0
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	1	1	0	0	1	0
34685	ENDRIN WET WGTTISMG/KG	1	1	0	0	1	0
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	1	1	0	0	1	0
34687	HEPTACHLOR WET WGTTISMG/KG	1	1	0	0	1	0
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	1	1	0	0	1	0
34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	1	1	0	0	1	0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	9	0	0	9	3	0
38824	ISOPROPALIN TISWETWGTMG/KG	1	1	0	0	1	0
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	5	0	5	0	1	0
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	1	1	0	0	1	0
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	1	1	0	0	1	0
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	1	1	0	0	1	0
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	19	19	0	0	1	0
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	6	0	6	0	1	0
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	1	1	0	0	1	0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1	0
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12	0	8	4	1	0
39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	13	0	8	5	1	0
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	12	0	8	4	1	0
39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	11	0	8	3	1	0
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	11	0	8	3	1	0
39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1	0
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12	0	8	4	1	0
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1	0
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12	0	8	4	1	0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1	0
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12	0	8	4	1	0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1	0

Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Parameter Code	Name	Total Obs	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	12	0	8	4	1	0
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	6	0	6	0	1	0
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1	0
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	12	0	8	4	1	0
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	7	0	7	0	1	0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	9	0	8	1	1	0
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	9	0	8	1	1	0
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	1	1	0	0	1	0
39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1	0
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	12	0	8	4	1	0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	11	0	8	3	1	0
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	11	0	8	3	1	0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	4	0	4	0	1	0
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	4	0	4	0	1	0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10	0	8	2	1	0
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	10	0	8	2	1	0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	11	0	8	3	1	0
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	1	0	0	1	1	0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	11	0	8	3	1	0
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	1	0	0	1	1	0
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	11	0	8	3	1	0
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	1	0	0	1	1	0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	11	0	8	3	1	0
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	1	0	0	1	1	0
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	12	0	8	4	1	0
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	12	0	8	4	1	0
39755	MIREX, TOTAL (UG/L)	5	0	5	0	1	0
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	2	0	2	0	1	0
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	12	0	8	4	1	0
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	1	1	0	0	1	0
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	7	0	7	0	1	0
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	7	0	7	0	1	0
46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	1	1	0	0	1	0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	9	0	0	9	3	0
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	3	0	0	3	1	0
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	459	277	109	73	28	1
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	91	5	47	39	5	3
70302	SOLIDS, DISSOLVED-TONS PER DAY	98	0	49	49	2	0
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	99	0	49	50	2	0
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	34	24	9	1	1	0
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	1	0	0	1	1	0
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	1	0	0	1	1	0
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	1	0	0	1	1	0
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	9	7	2	0	1	0
70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	1	1	0	0	1	0
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	2	0	2	0	1	0
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	19	2	14	3	1	0
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	58	0	0	58	1	0
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	4	0	0	4	1	0
71870	BROMIDE (MG/L AS BR)	1	1	0	0	1	0
71875	HYDROGEN SULFIDE (MG/L)	9	0	0	9	3	0
71885	IRON (UG/L AS FE)	31	0	0	31	1	0
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	35	2	23	10	1	0
71887	NITROGEN, TOTAL, AS NO3 - MG/L	8	0	7	1	1	0
71890	MERCURY, DISSOLVED (UG/L AS HG)	147	129	18	0	20	1
71895	MERCURY, SUSPENDED (UG/L AS HG)	4	0	4	0	1	0
71900	MERCURY, TOTAL (UG/L AS HG)	296	220	70	6	28	1
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	1	1	0	0	1	0
74010	IRON, TOTAL (MG/L AS FE)	2	0	2	0	1	0
75986	ALPHA GROSS,1 SIGMA PRC EST AS NAT U,DISS,WTR UG/L	6	6	0	0	1	0
75987	ALPHA GROSS,DISS,1 SIGMA PRC EST AS TH230,WTR PC/L	6	6	0	0	1	0
75988	BETA GROSS,DISS,1 SIGMA PRC EST AS SR90/Y90 PC/L	6	6	0	0	1	0
75989	BETA GROSS,1 SIGMA PRC EST AS CS-137,DISS,WTR PC/L	6	6	0	0	1	0
75990	URANIUM,NATURAL,1 SIGMA PRC EST,DISS,WATER UG/L	4	4	0	0	1	0
76001	RADIUM 226,1 SIGMA PRC EST,DISSOLVED,WATER PC/L	4	4	0	0	1	0
76004	ALPHA GROSS,SUSP,1 SIGMA PRC EST AS TH230,WTR PC/L	6	6	0	0	1	0
76005	BETA GROSS,SUSP,1 SIGMA PRC EST AS SR90/Y90 PC/L	6	6	0	0	1	0
76530	BIPHENYL TISSUE ,WET WGT,MG/KG	1	1	0	0	1	0

Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Parameter Code	Name	Total Obs	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	1	1	0	0	1	0
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	1	1	0	0	1	0
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	1	1	0	0	1	0
79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	1	1	0	0	1	0
80020	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	18	2	11	5	1	0
80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	29	12	11	6	1	0
80040	ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	29	12	11	6	1	0
80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	29	12	11	6	1	0
80060	BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	29	12	11	6	1	0
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	249	24	123	102	1	0
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	215	0	113	102	1	0
81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	1	1	0	0	1	0
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	1	1	0	0	1	0
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	1	1	0	0	1	0
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	1	1	0	0	1	0
81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	1	1	0	0	1	0
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	1	1	0	0	1	0
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	2	0	2	0	1	0
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	1	1	0	0	1	0
82036	CALCIUM-DISSOLVED UG/L (AS CA)	95	95	0	0	13	0
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	94	94	0	0	13	0
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	4	0	4	0	1	0
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	177	177	0	0	21	1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	150	150	0	0	17	0
82086	SULFUR-34/SULFUR-32 STABLE ISOTOPE RATIO PER MIL	1	1	0	0	1	0
82183	2,4-DP (DICHLORPROP) TOTAL UG/L	2	0	2	0	1	0
84007	ANATOMY ALPHA CODE	1	1	0	0	1	0
85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85682	NITROFEN TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85683	PERTHANE TISSUE,WET,WT,MG/KG	1	1	0	0	1	0
85684	PERTHANE TISSUE,WET,WT,MG/KG	1	1	0	0	1	0

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0001	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/89-10/17/89	0	1	
PECO0002	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/94-04/28/95	1	16	
PECO0003	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/94-04/28/95	1	16	
PECO0004	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/94-04/28/95	1	16	
PECO0005	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/72-09/30/76	4	32	
PECO0006	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/90-06/28/90	0	1	
PECO0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/30/75-08/27/76	1	6	
PECO0008	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-06/28/90	18	36	
PECO0009	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/27/76	1	7	
PECO0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/02/78	3	10	
PECO0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/80-02/28/88	7	17	
PECO0012	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-09/30/76	5	34	
PECO0013	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-12/05/91	1	10	
PECO0014	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/91-03/11/91	0	1	
PECO0015	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-12/05/91	1	10	
PECO0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-12/05/91	1	10	
PECO0017	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-12/05/91	1	9	
PECO0020	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/81-02/28/88	6	6	
PECO0021	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-09/30/76	5	34	
PECO0023	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/05/86-09/06/90	4	12	
PECO0024	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/81-11/24/81	0	3	
PECO0026	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/74-06/28/74	0	1	
PECO0027	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/05/76-08/30/76	0	4	
PECO0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/05/76-06/26/78	2	17	
PECO0029	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-09/27/89	18	37	
PECO0030	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/27/89-09/27/89	0	1	
PECO0031	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-04/26/87	6	10	
PECO0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/81-11/24/81	0	8	
PECO0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/70-09/09/73	3	38	
PECO0034	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/27/76	1	7	
PECO0035	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/27/76	1	9	
PECO0037	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/27/76	1	6	
PECO0038	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/05/76	1	8	
PECO0039	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	11	26	
PECO0040	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-12/05/91	20	56	
PECO0041	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-12/05/91	1	12	
PECO0042	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/90-12/05/91	1	11	
PECO0044	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/90-08/04/91	1	5	
PECO0045	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	11	31	
PECO0047	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/80-12/05/91	11	27	
PECO0049	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/87-06/16/87	0	3	
PECO0050	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	25	316	
PECO0051	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-08/02/78	0	2	
PECO0053	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/05/86-08/07/91	5	11	
PECO0019	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/20/67-11/16/70	3	14	
PECO0025	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/21/67-09/14/70	3	14	
PECO0051	No	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/20/67-11/16/70	3	13	
PECO0001	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/17/89-10/17/89	0	1	
PECO0006	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/28/90-06/28/90	0	1	
PECO0008	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/17/89-06/28/90	0	2	
PECO0010	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/75-08/02/78	3	6	
PECO0013	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	1	3	
PECO0015	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	1	2	
PECO0016	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	1	2	
PECO0017	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	1	2	
PECO0028	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/05/76-06/26/78	2	17	
PECO0035	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/75-05/21/76	1	5	
PECO0038	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/75-02/10/76	0	4	
PECO0039	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	1	2	
PECO0040	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	1	2	
PECO0041	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-12/05/91	1	3	
PECO0042	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/28/91-02/28/91	0	1	
PECO0045	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	1	2	
PECO0047	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-08/04/91	1	3	
PECO0050	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/15/70-06/25/92	22	104	
PECO0051	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/02/78-08/02/78	0	1	
PECO0053	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/28/91-02/28/91	0	1	
PECO0002	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	04/28/95-04/28/95	0	1	
PECO0004	Yes	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	03/31/94-04/28/95	1	8	
PECO0019	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/20/67-11/16/70	3	13	
PECO0025	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/21/67-09/14/70	3	13	
PECO0051	No	00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/20/67-11/16/70	3	14	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0050	No	00025	BAROMETRIC PRESSURE (MM OF HG)	11/22/82-06/25/92	9	35	
PECO0007	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/30/75-08/27/76	1	5	
PECO0009	No	00060	FLOW, STREAM, MEAN DAILY CFS	04/25/75-08/27/76	1	7	
PECO0019	No	00060	FLOW, STREAM, MEAN DAILY CFS	07/20/67-11/16/70	3	14	
PECO0025	No	00060	FLOW, STREAM, MEAN DAILY CFS	07/21/67-09/14/70	3	14	
PECO0027	No	00060	FLOW, STREAM, MEAN DAILY CFS	03/05/76-08/30/76	0	4	
PECO0033	No	00060	FLOW, STREAM, MEAN DAILY CFS	05/15/63-08/22/73	10	37	
PECO0034	No	00060	FLOW, STREAM, MEAN DAILY CFS	11/14/75-08/27/76	0	3	
PECO0037	No	00060	FLOW, STREAM, MEAN DAILY CFS	04/25/75-08/27/76	1	6	
PECO0050	No	00060	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	10	107	T,A
PECO0051	No	00060	FLOW, STREAM, MEAN DAILY CFS	07/20/67-11/16/70	3	14	
PECO0010	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/75-08/02/78	3	9	
PECO0026	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	06/28/74-06/28/74	0	1	
PECO0028	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/05/76-06/26/78	2	16	
PECO0033	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/05/73-09/09/73	0	8	
PECO0035	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/75-08/27/76	1	9	
PECO0038	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/75-08/05/76	1	7	
PECO0050	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	24	258	
PECO0050	No	00065	STAGE, STREAM (FEET)	05/26/83-07/27/83	0	2	
PECO0005	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-08/24/72	0	17	
PECO0007	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/30/75-08/27/76	1	7	
PECO0008	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-08/24/72	0	15	
PECO0009	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/25/75-08/27/76	1	8	
PECO0011	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/09/87-08/02/87	0	3	
PECO0012	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-08/24/72	0	17	
PECO0019	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/20/67-11/16/70	3	13	
PECO0020	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/26/87-08/02/87	0	3	
PECO0021	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-08/24/72	0	15	
PECO0023	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/09/87-08/02/87	0	3	
PECO0025	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/21/67-09/14/70	3	14	
PECO0027	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/05/76-03/31/87	11	5	
PECO0029	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-10/12/87	15	16	
PECO0031	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/26/87-04/26/87	0	1	
PECO0033	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/20/70-08/22/73	3	45	
PECO0034	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/25/75-08/27/76	1	8	
PECO0037	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/25/75-08/27/76	1	7	
PECO0039	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/09/87-08/02/87	0	3	
PECO0040	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-08/02/87	15	20	
PECO0045	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/09/87-08/02/87	0	3	
PECO0047	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/12/87-10/12/87	0	1	
PECO0049	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/06/87-01/22/88	0	6	
PECO0050	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/15/70-07/16/73	3	13	
PECO0051	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/20/67-11/16/70	3	14	
PECO0053	No	00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/09/87-08/02/87	0	3	
PECO0010	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/25/75-08/02/78	3	11	
PECO0028	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/05/76-06/26/78	2	16	
PECO0035	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/25/75-08/27/76	1	9	
PECO0038	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/25/75-08/05/76	1	8	
PECO0050	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/22/82-03/27/92	9	34	
PECO0051	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/28/78-08/02/78	0	2	
PECO0011	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-02/28/88	1	5	
PECO0020	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/26/87-02/28/88	0	5	
PECO0023	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-02/28/88	1	5	
PECO0027	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/31/87-03/31/87	0	1	
PECO0029	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/12/87-02/28/88	0	2	
PECO0031	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/26/87-04/26/87	0	1	
PECO0033	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/20/70-08/22/73	3	46	
PECO0039	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-02/28/88	1	5	
PECO0040	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-03/10/89	2	8	
PECO0045	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-03/10/89	2	8	
PECO0047	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/12/87-03/10/89	1	5	
PECO0049	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/06/87-03/25/88	1	5	
PECO0050	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/05/66-07/16/73	6	53	
PECO0053	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-02/28/88	1	5	
PECO0006	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	06/28/90-06/28/90	0	1	
PECO0008	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	06/28/90-06/28/90	0	1	
PECO0013	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-12/08/92	2	15	
PECO0014	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/11/91-03/11/91	0	1	
PECO0015	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/18/92	2	13	
PECO0016	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/18/92	2	13	
PECO0017	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/18/92	2	12	
PECO0018	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	12/08/92-12/08/92	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0023	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	09/06/90-09/06/90	0	1	
PECO0039	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-03/18/92	2	12	
PECO0040	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/02/92	2	18	
PECO0041	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-12/08/92	2	18	
PECO0042	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	04/12/90-05/01/92	2	14	
PECO0044	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/18/91-09/02/92	1	8	
PECO0045	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/02/92	2	17	
PECO0047	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/18/92	2	18	
PECO0053	No	00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	02/28/91-08/07/91	0	3	
PECO0001	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/17/89-10/17/89	0	1	
PECO0006	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/28/90-06/28/90	0	1	
PECO0008	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/17/89-06/28/90	0	2	
PECO0011	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/05/86-02/28/88	1	6	
PECO0013	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/90-12/05/91	1	10	
PECO0014	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/11/91-03/11/91	0	1	
PECO0015	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/90-12/05/91	1	10	
PECO0016	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/90-12/05/91	1	10	
PECO0017	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/90-12/05/91	1	9	
PECO0020	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/26/87-02/28/88	0	2	
PECO0023	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/05/86-09/06/90	4	11	
PECO0029	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/28/88-02/28/88	0	1	
PECO0031	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/26/87-04/26/87	0	1	
PECO0039	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/05/86-12/05/91	5	16	
PECO0040	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/86-12/05/91	5	21	
PECO0041	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/90-12/05/91	1	12	
PECO0042	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/12/90-12/05/91	1	11	
PECO0044	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/12/90-08/04/91	1	5	
PECO0045	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/05/86-12/05/91	5	20	
PECO0047	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/28/88-12/05/91	3	16	
PECO0053	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/05/86-08/07/91	5	10	
PECO0001	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/89-10/17/89	0	1	
PECO0002	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/94-04/28/95	1	16	
PECO0003	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/94-04/28/95	1	16	
PECO0004	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/94-04/28/95	1	16	
PECO0005	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-09/30/76	4	34	
PECO0006	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/90-06/28/90	0	1	
PECO0007	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/30/75-08/27/76	1	7	
PECO0008	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-06/28/90	18	38	S
PECO0009	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/27/76	1	8	
PECO0011	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/30/80-02/28/88	7	18	
PECO0012	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/30/76	5	36	
PECO0013	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/23/90-12/08/92	2	15	
PECO0014	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/11/91-03/11/91	0	1	
PECO0015	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/23/90-09/18/92	2	13	
PECO0016	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/23/90-09/18/92	2	13	
PECO0017	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/23/90-09/18/92	2	12	
PECO0018	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/08/92-12/08/92	0	1	
PECO0020	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/81-02/28/88	6	8	
PECO0021	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/30/76	5	36	
PECO0023	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/05/86-09/06/90	4	13	
PECO0024	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/81-11/24/81	0	3	
PECO0026	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/74-06/28/74	0	1	
PECO0027	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/05/76-03/31/87	11	5	
PECO0029	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/27/89	18	39	S
PECO0030	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/27/89-09/27/89	0	1	
PECO0031	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-04/26/87	6	10	
PECO0032	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/09/81-11/24/81	0	8	
PECO0033	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/15/63-09/09/73	10	49	T
PECO0034	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/27/76	1	8	
PECO0037	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/27/76	1	7	
PECO0039	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-03/18/92	11	30	
PECO0040	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/02/92	21	66	T,S
PECO0041	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/23/90-12/08/92	2	18	
PECO0042	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/90-05/01/92	2	14	
PECO0044	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/08/90-09/02/92	2	10	
PECO0045	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-09/02/92	11	38	
PECO0047	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/30/80-09/18/92	11	33	
PECO0049	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/30/87-03/25/88	1	9	
PECO0050	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	29	190	T,A,S
PECO0051	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-08/02/78	0	2	
PECO0053	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/05/86-08/07/91	5	12	
PECO0013	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	1	5	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0014	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/11/91-03/11/91	0	1	
PECO0015	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	1	5	
PECO0016	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	1	5	
PECO0017	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	1	5	
PECO0039	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	1	4	
PECO0040	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/10/89-12/05/91	2	7	
PECO0041	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	1	6	
PECO0042	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/07/91-12/05/91	0	5	
PECO0045	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/10/89-12/05/91	2	7	
PECO0047	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/10/89-12/05/91	2	7	
PECO0053	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/07/91-08/07/91	0	1	
PECO0001	Yes	00300	OXYGEN, DISSOLVED MG/L	10/17/89-10/17/89	0	1	
PECO0002	Yes	00300	OXYGEN, DISSOLVED MG/L	01/31/94-04/28/95	1	16	
PECO0003	Yes	00300	OXYGEN, DISSOLVED MG/L	01/31/94-04/28/95	1	16	
PECO0004	Yes	00300	OXYGEN, DISSOLVED MG/L	01/31/94-04/28/95	1	16	
PECO0005	No	00300	OXYGEN, DISSOLVED MG/L	06/30/72-08/24/72	0	9	
PECO0006	No	00300	OXYGEN, DISSOLVED MG/L	06/28/90-06/28/90	0	1	
PECO0008	No	00300	OXYGEN, DISSOLVED MG/L	06/29/71-06/28/90	18	9	
PECO0010	No	00300	OXYGEN, DISSOLVED MG/L	04/25/75-08/02/78	3	7	
PECO0011	No	00300	OXYGEN, DISSOLVED MG/L	10/30/80-11/24/81	1	8	
PECO0012	No	00300	OXYGEN, DISSOLVED MG/L	06/29/71-07/27/72	1	8	
PECO0019	No	00300	OXYGEN, DISSOLVED MG/L	07/20/67-11/16/70	3	14	
PECO0020	No	00300	OXYGEN, DISSOLVED MG/L	08/17/81-11/24/81	0	3	
PECO0021	No	00300	OXYGEN, DISSOLVED MG/L	06/29/71-07/27/72	1	7	
PECO0024	No	00300	OXYGEN, DISSOLVED MG/L	08/17/81-11/24/81	0	3	
PECO0025	No	00300	OXYGEN, DISSOLVED MG/L	07/21/67-09/14/70	3	14	
PECO0026	No	00300	OXYGEN, DISSOLVED MG/L	06/28/74-06/28/74	0	1	
PECO0028	No	00300	OXYGEN, DISSOLVED MG/L	03/05/76-06/26/78	2	15	
PECO0029	No	00300	OXYGEN, DISSOLVED MG/L	06/29/71-07/20/72	1	7	
PECO0031	No	00300	OXYGEN, DISSOLVED MG/L	02/24/81-11/24/81	0	7	
PECO0032	No	00300	OXYGEN, DISSOLVED MG/L	02/24/81-11/24/81	0	7	
PECO0035	No	00300	OXYGEN, DISSOLVED MG/L	04/25/75-05/21/76	1	6	
PECO0038	No	00300	OXYGEN, DISSOLVED MG/L	04/25/75-02/10/76	0	5	
PECO0039	No	00300	OXYGEN, DISSOLVED MG/L	02/24/81-11/24/81	0	7	
PECO0040	No	00300	OXYGEN, DISSOLVED MG/L	06/29/71-08/24/72	1	11	
PECO0045	No	00300	OXYGEN, DISSOLVED MG/L	02/24/81-11/24/81	0	7	
PECO0047	No	00300	OXYGEN, DISSOLVED MG/L	10/30/80-11/24/81	1	8	
PECO0049	No	00300	OXYGEN, DISSOLVED MG/L	04/14/87-06/16/87	0	3	
PECO0050	No	00300	OXYGEN, DISSOLVED MG/L	12/28/67-06/25/92	24	120	T,S
PECO0051	No	00300	OXYGEN, DISSOLVED MG/L	07/20/67-08/02/78	11	16	
PECO0002	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/94-04/28/95	1	16	
PECO0003	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/94-04/28/95	1	16	
PECO0004	Yes	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/94-04/28/95	1	16	
PECO0011	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/30/80-11/24/81	1	8	
PECO0020	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/17/81-11/24/81	0	3	
PECO0024	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/17/81-11/24/81	0	3	
PECO0031	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/24/81-11/24/81	0	7	
PECO0032	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/24/81-11/24/81	0	7	
PECO0039	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/24/81-11/24/81	0	7	
PECO0045	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/24/81-11/24/81	0	7	
PECO0047	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/30/80-11/24/81	1	8	
PECO0050	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/28/67-12/07/71	3	31	
PECO0050	No	00335	COD, .025N K2CR2O7 MG/L	11/13/69-12/07/71	2	14	
PECO0001	Yes	00400	PH (STANDARD UNITS)	10/17/89-10/17/89	0	1	
PECO0002	Yes	00400	PH (STANDARD UNITS)	01/31/94-04/28/95	1	15	
PECO0003	Yes	00400	PH (STANDARD UNITS)	01/31/94-04/28/95	1	15	
PECO0004	Yes	00400	PH (STANDARD UNITS)	01/31/94-04/28/95	1	15	
PECO0005	No	00400	PH (STANDARD UNITS)	06/19/72-08/24/72	0	15	
PECO0006	No	00400	PH (STANDARD UNITS)	06/28/90-06/28/90	0	1	
PECO0008	No	00400	PH (STANDARD UNITS)	06/29/71-06/28/90	18	17	
PECO0010	No	00400	PH (STANDARD UNITS)	04/25/75-08/02/78	3	7	
PECO0011	No	00400	PH (STANDARD UNITS)	10/30/80-02/28/88	7	17	
PECO0012	No	00400	PH (STANDARD UNITS)	06/29/71-08/24/72	1	17	
PECO0013	No	00400	PH (STANDARD UNITS)	01/23/90-12/05/91	1	10	
PECO0014	No	00400	PH (STANDARD UNITS)	03/11/91-03/11/91	0	1	
PECO0015	No	00400	PH (STANDARD UNITS)	01/23/90-12/05/91	1	10	
PECO0016	No	00400	PH (STANDARD UNITS)	01/23/90-12/05/91	1	10	
PECO0017	No	00400	PH (STANDARD UNITS)	01/23/90-12/05/91	1	9	
PECO0019	No	00400	PH (STANDARD UNITS)	07/20/67-11/16/70	3	13	
PECO0020	No	00400	PH (STANDARD UNITS)	08/17/81-02/28/88	6	6	
PECO0021	No	00400	PH (STANDARD UNITS)	06/29/71-08/24/72	1	15	
PECO0023	No	00400	PH (STANDARD UNITS)	04/05/86-09/06/90	4	12	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0024	No	00400	PH (STANDARD UNITS)	08/17/81-11/24/81	0	3	
PECO0025	No	00400	PH (STANDARD UNITS)	07/21/67-09/14/70	3	13	
PECO0026	No	00400	PH (STANDARD UNITS)	06/28/74-06/28/74	0	1	
PECO0028	No	00400	PH (STANDARD UNITS)	03/05/76-06/26/78	2	15	
PECO0029	No	00400	PH (STANDARD UNITS)	06/29/71-09/27/89	18	18	S
PECO0030	No	00400	PH (STANDARD UNITS)	09/27/89-09/27/89	0	1	
PECO0031	No	00400	PH (STANDARD UNITS)	12/04/80-04/26/87	6	10	
PECO0032	No	00400	PH (STANDARD UNITS)	01/09/81-11/24/81	0	8	
PECO0033	No	00400	PH (STANDARD UNITS)	05/15/63-11/21/72	9	5	
PECO0035	No	00400	PH (STANDARD UNITS)	04/25/75-05/21/76	1	6	
PECO0038	No	00400	PH (STANDARD UNITS)	04/25/75-02/10/76	0	6	
PECO0039	No	00400	PH (STANDARD UNITS)	12/04/80-12/05/91	11	26	
PECO0040	No	00400	PH (STANDARD UNITS)	06/29/71-12/05/91	20	39	
PECO0041	No	00400	PH (STANDARD UNITS)	01/23/90-12/05/91	1	12	
PECO0042	No	00400	PH (STANDARD UNITS)	04/12/90-12/05/91	1	11	
PECO0044	No	00400	PH (STANDARD UNITS)	04/12/90-09/11/91	1	8	
PECO0045	No	00400	PH (STANDARD UNITS)	12/04/80-12/05/91	11	32	
PECO0047	No	00400	PH (STANDARD UNITS)	10/30/80-12/05/91	11	27	
PECO0049	No	00400	PH (STANDARD UNITS)	04/14/87-06/16/87	0	3	
PECO0050	No	00400	PH (STANDARD UNITS)	11/06/62-06/25/92	29	189	T,A,S
PECO0051	No	00400	PH (STANDARD UNITS)	07/20/67-08/02/78	11	15	
PECO0053	No	00400	PH (STANDARD UNITS)	04/05/86-08/07/91	5	11	
PECO0006	No	00403	PH, LAB, STANDARD UNITS SU	06/28/90-06/28/90	0	1	
PECO0008	No	00403	PH, LAB, STANDARD UNITS SU	06/28/90-06/28/90	0	1	
PECO0011	No	00403	PH, LAB, STANDARD UNITS SU	02/09/87-02/28/88	1	5	
PECO0013	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-12/08/92	2	15	
PECO0014	No	00403	PH, LAB, STANDARD UNITS SU	03/11/91-03/11/91	0	1	
PECO0015	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-09/18/92	2	13	
PECO0016	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-09/18/92	2	13	
PECO0017	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-09/18/92	2	12	
PECO0018	No	00403	PH, LAB, STANDARD UNITS SU	12/08/92-12/08/92	0	1	
PECO0020	No	00403	PH, LAB, STANDARD UNITS SU	04/26/87-02/28/88	0	5	
PECO0023	No	00403	PH, LAB, STANDARD UNITS SU	02/09/87-09/06/90	3	6	
PECO0027	No	00403	PH, LAB, STANDARD UNITS SU	03/31/87-03/31/87	0	1	
PECO0029	No	00403	PH, LAB, STANDARD UNITS SU	10/12/87-02/28/88	0	2	
PECO0031	No	00403	PH, LAB, STANDARD UNITS SU	04/26/87-04/26/87	0	1	
PECO0039	No	00403	PH, LAB, STANDARD UNITS SU	02/09/87-03/18/92	5	17	
PECO0040	No	00403	PH, LAB, STANDARD UNITS SU	02/09/87-09/02/92	5	27	
PECO0041	No	00403	PH, LAB, STANDARD UNITS SU	01/23/90-12/08/92	2	18	
PECO0042	No	00403	PH, LAB, STANDARD UNITS SU	04/12/90-05/01/92	2	14	
PECO0044	No	00403	PH, LAB, STANDARD UNITS SU	05/08/90-09/02/92	2	10	
PECO0045	No	00403	PH, LAB, STANDARD UNITS SU	02/09/87-09/02/92	5	25	
PECO0047	No	00403	PH, LAB, STANDARD UNITS SU	10/12/87-09/18/92	4	23	
PECO0049	No	00403	PH, LAB, STANDARD UNITS SU	01/30/87-03/25/88	1	6	
PECO0050	No	00403	PH, LAB, STANDARD UNITS SU	11/06/80-03/27/92	11	47	T
PECO0053	No	00403	PH, LAB, STANDARD UNITS SU	02/09/87-08/07/91	4	8	
PECO0019	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/20/67-11/16/70	3	13	
PECO0025	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/21/67-09/14/70	3	14	
PECO0026	No	00405	CARBON DIOXIDE (MG/L AS CO2)	06/28/74-06/28/74	0	1	
PECO0050	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/26/65-05/04/78	12	32	
PECO0051	No	00405	CARBON DIOXIDE (MG/L AS CO2)	07/20/67-11/16/70	3	14	
PECO0001	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/89-10/17/89	0	1	
PECO0006	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/90-06/28/90	0	1	
PECO0008	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/89-06/28/90	0	2	
PECO0011	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/17/86-02/28/88	1	7	
PECO0013	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/90-12/08/92	2	15	
PECO0014	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/11/91-03/11/91	0	1	
PECO0015	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	2	13	
PECO0016	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	2	13	
PECO0017	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	2	12	
PECO0018	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/08/92-12/08/92	0	1	
PECO0019	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/67-11/16/70	3	13	
PECO0020	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/26/87-02/28/88	0	5	
PECO0023	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/06/90	4	9	
PECO0025	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/21/67-09/14/70	3	13	
PECO0026	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/74-06/28/74	0	1	
PECO0027	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/87-03/31/87	0	1	
PECO0029	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/87-02/28/88	0	2	
PECO0031	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/26/87-04/26/87	0	1	
PECO0039	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-03/18/92	5	20	
PECO0040	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	6	30	
PECO0041	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/90-12/08/92	2	18	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0042	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/12/90-05/01/92	2	14	
PECO0044	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/08/90-09/02/92	2	10	
PECO0045	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	6	28	
PECO0047	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/87-09/18/92	4	23	
PECO0049	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/87-03/25/88	1	7	
PECO0050	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/65-05/27/87	21	84	T,S
PECO0051	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/67-11/16/70	3	13	
PECO0053	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-08/07/91	5	11	
PECO0019	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/20/67-11/16/70	3	13	
PECO0025	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/21/67-09/14/70	3	13	
PECO0051	No	00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/20/67-11/16/70	3	13	
PECO0050	No	00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/01/86-05/27/87	0	3	
PECO0019	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	05/22/69-05/22/69	0	1	
PECO0025	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	06/02/69-06/02/69	0	1	
PECO0051	No	00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	05/22/69-05/22/69	0	1	
PECO0019	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/22/69-05/22/69	0	1	
PECO0025	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	06/02/69-06/02/69	0	1	
PECO0051	No	00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/22/69-05/22/69	0	1	
PECO0001	Yes	00440	BICARBONATE ION (MG/L AS HCO3)	10/17/89-10/17/89	0	1	
PECO0006	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/28/90-06/28/90	0	1	
PECO0008	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/17/89-06/28/90	0	2	
PECO0011	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-02/28/88	7	16	
PECO0013	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/23/90-12/08/92	2	15	
PECO0014	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/11/91-03/11/91	0	1	
PECO0015	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/23/90-09/18/92	2	13	
PECO0016	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/23/90-09/18/92	2	13	
PECO0017	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/23/90-09/18/92	2	12	
PECO0018	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/08/92-12/08/92	0	1	
PECO0020	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/17/81-02/28/88	6	8	
PECO0023	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/20/86-09/06/90	4	9	
PECO0024	No	00440	BICARBONATE ION (MG/L AS HCO3)	08/17/81-11/24/81	0	3	
PECO0026	No	00440	BICARBONATE ION (MG/L AS HCO3)	06/28/74-06/28/74	0	1	
PECO0027	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/31/87-03/31/87	0	1	
PECO0029	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/12/87-02/28/88	0	2	
PECO0031	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-04/26/87	6	10	
PECO0032	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/09/81-11/24/81	0	8	
PECO0033	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/15/63-07/09/63	0	3	
PECO0039	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-03/18/92	11	29	
PECO0040	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/20/86-09/02/92	6	30	
PECO0041	No	00440	BICARBONATE ION (MG/L AS HCO3)	01/23/90-12/08/92	2	18	
PECO0042	No	00440	BICARBONATE ION (MG/L AS HCO3)	04/12/90-05/01/92	2	14	
PECO0044	No	00440	BICARBONATE ION (MG/L AS HCO3)	05/08/90-09/02/92	2	10	
PECO0045	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/02/92	11	37	
PECO0047	No	00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/18/92	11	32	
PECO0049	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/06/87-03/25/88	1	7	
PECO0050	No	00440	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	15	101	T,A
PECO0053	No	00440	BICARBONATE ION (MG/L AS HCO3)	07/20/86-08/07/91	5	11	
PECO0006	No	00445	CARBONATE ION (MG/L AS CO3)	06/28/90-06/28/90	0	1	
PECO0008	No	00445	CARBONATE ION (MG/L AS CO3)	06/28/90-06/28/90	0	1	
PECO0011	No	00445	CARBONATE ION (MG/L AS CO3)	02/09/87-02/28/88	1	5	
PECO0013	No	00445	CARBONATE ION (MG/L AS CO3)	03/18/90-12/08/92	2	12	
PECO0014	No	00445	CARBONATE ION (MG/L AS CO3)	03/11/91-03/11/91	0	1	
PECO0015	No	00445	CARBONATE ION (MG/L AS CO3)	09/06/90-09/18/92	2	10	
PECO0016	No	00445	CARBONATE ION (MG/L AS CO3)	09/06/90-09/18/92	2	10	
PECO0017	No	00445	CARBONATE ION (MG/L AS CO3)	09/06/90-09/18/92	2	10	
PECO0018	No	00445	CARBONATE ION (MG/L AS CO3)	12/08/92-12/08/92	0	1	
PECO0020	No	00445	CARBONATE ION (MG/L AS CO3)	04/26/87-02/28/88	0	5	
PECO0023	No	00445	CARBONATE ION (MG/L AS CO3)	02/09/87-09/06/90	3	6	
PECO0027	No	00445	CARBONATE ION (MG/L AS CO3)	03/31/87-03/31/87	0	1	
PECO0029	No	00445	CARBONATE ION (MG/L AS CO3)	10/12/87-02/28/88	0	2	
PECO0031	No	00445	CARBONATE ION (MG/L AS CO3)	04/26/87-04/26/87	0	1	
PECO0039	No	00445	CARBONATE ION (MG/L AS CO3)	02/09/87-03/18/92	5	14	
PECO0040	No	00445	CARBONATE ION (MG/L AS CO3)	02/09/87-09/02/92	5	24	
PECO0041	No	00445	CARBONATE ION (MG/L AS CO3)	03/18/90-12/08/92	2	16	
PECO0042	No	00445	CARBONATE ION (MG/L AS CO3)	09/06/90-05/01/92	1	12	
PECO0044	No	00445	CARBONATE ION (MG/L AS CO3)	05/08/90-09/02/92	2	10	
PECO0045	No	00445	CARBONATE ION (MG/L AS CO3)	02/09/87-09/02/92	5	21	
PECO0047	No	00445	CARBONATE ION (MG/L AS CO3)	10/12/87-09/18/92	4	21	
PECO0049	No	00445	CARBONATE ION (MG/L AS CO3)	03/06/87-03/25/88	1	5	
PECO0050	No	00445	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	15	99	T,A
PECO0053	No	00445	CARBONATE ION (MG/L AS CO3)	02/09/87-08/07/91	4	8	
PECO0050	No	00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	10/01/86-05/27/87	0	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0050	No	00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	10/01/86-05/27/87	0	3	
PECO0050	No	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/02/87-06/25/92	4	19	
PECO0050	No	00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	11/02/87-06/25/92	4	19	
PECO0019	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/20/67-12/01/69	2	7	
PECO0025	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/03/68-12/02/69	1	6	
PECO0050	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/23/67-09/14/77	9	9	
PECO0051	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/20/67-12/01/69	2	7	
PECO0001	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/17/89-10/17/89	0	1	
PECO0006	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/90-06/28/90	0	1	
PECO0008	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/17/89-06/28/90	0	2	
PECO0011	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-02/28/88	7	16	
PECO0013	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/90-12/08/92	2	15	
PECO0014	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/11/91-03/11/91	0	1	
PECO0015	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/90-09/18/92	2	13	
PECO0016	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/90-09/18/92	2	13	
PECO0017	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/90-09/18/92	2	12	
PECO0018	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/08/92-12/08/92	0	1	
PECO0019	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/13/70-11/16/70	0	3	
PECO0020	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/81-02/28/88	6	8	
PECO0023	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/05/86-09/06/90	4	13	
PECO0024	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/81-11/24/81	0	3	
PECO0025	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/70-09/14/70	0	3	
PECO0027	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/87-03/31/87	0	1	
PECO0029	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/12/87-02/28/88	0	2	
PECO0031	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-04/26/87	6	9	
PECO0032	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/09/81-11/24/81	0	7	
PECO0039	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-03/18/92	11	28	
PECO0040	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/20/86-09/02/92	6	30	
PECO0041	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/90-12/08/92	2	18	
PECO0042	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/90-05/01/92	2	14	
PECO0044	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/08/90-09/02/92	2	9	
PECO0045	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/02/92	11	37	
PECO0047	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/18/92	11	31	
PECO0049	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/30/87-03/25/88	1	8	
PECO0050	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/23/67-09/14/77	9	8	
PECO0051	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/13/70-11/16/70	0	3	
PECO0053	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/05/86-08/07/91	5	12	
PECO0001	Yes	00600	NITROGEN, TOTAL (MG/L AS N)	10/17/89-10/17/89	0	1	
PECO0006	No	00600	NITROGEN, TOTAL (MG/L AS N)	06/28/90-06/28/90	0	1	
PECO0008	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/17/89-06/28/90	0	2	
PECO0011	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-02/28/88	1	8	
PECO0013	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0014	No	00600	NITROGEN, TOTAL (MG/L AS N)	03/11/91-03/11/91	0	1	
PECO0015	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0016	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0017	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	11	
PECO0020	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/26/87-02/28/88	0	5	
PECO0023	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-09/06/90	4	13	
PECO0027	No	00600	NITROGEN, TOTAL (MG/L AS N)	03/31/87-03/31/87	0	1	
PECO0029	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/12/87-02/28/88	0	2	
PECO0031	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/26/87-04/26/87	0	1	
PECO0039	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-03/18/92	5	21	
PECO0040	No	00600	NITROGEN, TOTAL (MG/L AS N)	07/20/86-05/01/92	5	30	
PECO0041	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/23/90-05/01/92	2	16	
PECO0042	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/12/90-05/01/92	2	14	
PECO0044	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/12/90-05/01/92	2	11	
PECO0045	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-05/01/92	6	28	
PECO0047	No	00600	NITROGEN, TOTAL (MG/L AS N)	10/12/87-05/01/92	4	20	
PECO0049	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/30/87-03/25/88	1	9	
PECO0050	No	00600	NITROGEN, TOTAL (MG/L AS N)	11/27/68-01/25/82	13	12	
PECO0053	No	00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-08/07/91	5	12	
PECO0050	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	11/06/80-03/29/82	1	8	
PECO0001	Yes	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/17/89-10/17/89	0	1	
PECO0006	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/90-06/28/90	0	1	
PECO0008	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/17/89-06/28/90	0	2	
PECO0011	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-02/28/88	1	5	
PECO0013	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	13	
PECO0014	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/11/91-03/11/91	0	1	
PECO0015	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0016	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0017	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	11	
PECO0020	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/26/87-02/28/88	0	5	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0023	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-09/06/90	3	6	
PECO0027	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/31/87-03/31/87	0	1	
PECO0029	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/12/87-02/28/88	0	2	
PECO0031	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/26/87-04/26/87	0	1	
PECO0039	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-03/18/92	5	17	
PECO0040	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-05/01/92	5	26	
PECO0041	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/23/90-05/01/92	2	16	
PECO0042	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/12/90-05/01/92	2	14	
PECO0044	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/12/90-05/01/92	2	11	
PECO0045	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-05/01/92	5	24	
PECO0047	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/12/87-05/01/92	4	20	
PECO0049	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/30/87-03/25/88	1	9	
PECO0050	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/05/70-05/28/86	15	18	
PECO0053	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-08/07/91	4	8	
PECO0050	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	11/06/80-09/27/82	1	12	
PECO0012	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/76-08/24/76	0	1	
PECO0021	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/76-08/24/76	0	1	
PECO0050	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/02/72-06/25/92	20	50	T,S
PECO0001	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/17/89-10/17/89	0	1	
PECO0005	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-09/30/76	0	1	
PECO0006	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/90-06/28/90	0	1	
PECO0007	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/30/75-08/27/76	1	7	
PECO0008	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-06/28/90	13	3	
PECO0009	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/25/75-08/27/76	1	8	
PECO0011	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/30/80-02/28/88	7	18	
PECO0012	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-09/30/76	0	1	
PECO0013	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	13	
PECO0014	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/11/91-03/11/91	0	1	
PECO0015	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0016	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0017	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	11	
PECO0020	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/17/81-02/28/88	6	8	
PECO0021	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-09/30/76	0	1	
PECO0023	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/05/86-09/06/90	4	13	
PECO0024	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/17/81-11/24/81	0	3	
PECO0027	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/05/76-03/31/87	11	5	
PECO0029	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-02/28/88	11	3	
PECO0031	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-04/26/87	6	10	
PECO0032	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/81-11/24/81	0	8	
PECO0034	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/25/75-08/27/76	1	8	
PECO0037	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/25/75-08/27/76	1	7	
PECO0039	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-03/18/92	11	30	
PECO0040	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-05/01/92	15	31	
PECO0041	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/23/90-05/01/92	2	16	
PECO0042	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/12/90-05/01/92	2	14	
PECO0044	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/12/90-05/01/92	2	11	
PECO0045	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-05/01/92	11	37	
PECO0047	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/30/80-05/01/92	11	31	
PECO0049	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/30/87-03/25/88	1	9	
PECO0050	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/22/73-06/25/92	19	37	S
PECO0051	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/78-08/02/78	0	2	
PECO0053	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/05/86-08/07/91	5	12	
PECO0050	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/02/72-06/25/92	20	27	
PECO0011	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-02/28/88	1	5	
PECO0020	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/26/87-02/28/88	0	5	
PECO0023	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-02/28/88	1	5	
PECO0027	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/31/87-03/31/87	0	1	
PECO0029	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/12/87-02/28/88	0	2	
PECO0031	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/26/87-04/26/87	0	1	
PECO0039	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-02/28/88	1	5	
PECO0040	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-03/10/89	2	8	
PECO0045	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-03/10/89	2	8	
PECO0047	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/12/87-03/10/89	1	5	
PECO0049	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/30/87-03/25/88	1	6	
PECO0050	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/28/90-06/25/92	1	7	
PECO0053	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-02/28/88	1	5	
PECO0012	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/76-08/24/76	0	1	
PECO0021	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/76-08/24/76	0	1	
PECO0050	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/27/68-06/20/91	22	11	
PECO0005	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-09/30/76	0	1	
PECO0007	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/30/75-08/27/76	1	7	
PECO0008	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-09/30/76	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0009	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/75-08/27/76	1	8	
PECO0011	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/17/86-02/28/88	1	6	
PECO0012	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-09/30/76	0	1	
PECO0019	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/01/68-11/16/70	2	3	
PECO0020	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/26/87-02/28/88	0	5	
PECO0021	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-09/30/76	0	1	
PECO0023	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/02/86-02/28/88	1	10	
PECO0025	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/68-09/14/70	1	3	
PECO0027	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/05/76-03/31/87	11	5	
PECO0029	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-02/28/88	11	3	
PECO0031	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/26/87-04/26/87	0	1	
PECO0034	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/75-08/27/76	1	8	
PECO0037	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/75-08/27/76	1	7	
PECO0039	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/20/86-02/28/88	1	7	
PECO0040	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-03/10/89	12	11	
PECO0045	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/20/86-03/10/89	2	10	
PECO0047	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/12/87-03/10/89	1	5	
PECO0049	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/30/87-03/25/88	1	6	
PECO0051	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/01/68-11/16/70	2	3	
PECO0053	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/20/86-02/28/88	1	7	
PECO0050	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	11/06/80-08/26/91	10	13	
PECO0050	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	11/06/80-09/27/82	1	12	
PECO0001	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/17/89-10/17/89	0	1	
PECO0006	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/28/90-06/28/90	0	1	
PECO0008	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/17/89-06/28/90	0	2	
PECO0011	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/30/80-02/28/88	7	18	
PECO0012	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/24/76-08/24/76	0	1	
PECO0013	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/90-03/18/92	2	13	
PECO0014	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/11/91-03/11/91	0	1	
PECO0015	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0016	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0017	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/90-03/18/92	2	11	
PECO0020	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/17/81-02/28/88	6	8	
PECO0021	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/24/76-08/24/76	0	1	
PECO0023	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/05/86-09/06/90	4	13	
PECO0024	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/17/81-11/24/81	0	3	
PECO0027	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/31/87-03/31/87	0	1	
PECO0029	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/12/87-02/28/88	0	2	
PECO0031	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-04/26/87	6	10	
PECO0032	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/09/81-11/24/81	0	8	
PECO0039	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-03/18/92	11	30	
PECO0040	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/20/86-05/01/92	5	30	
PECO0041	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/90-05/01/92	2	16	
PECO0042	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/12/90-05/01/92	2	14	
PECO0044	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/12/90-05/01/92	2	11	
PECO0045	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-05/01/92	11	37	
PECO0047	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/30/80-05/01/92	11	31	
PECO0049	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/30/87-03/25/88	1	9	
PECO0050	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/02/72-06/25/92	20	51	T,S
PECO0053	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/05/86-08/07/91	5	12	
PECO0001	Yes	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/89-10/17/89	0	1	
PECO0006	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/90-06/28/90	0	1	
PECO0008	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/89-06/28/90	0	2	
PECO0010	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/02/78	3	9	
PECO0011	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/30/80-10/31/86	6	13	
PECO0013	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/23/90-03/18/92	2	13	
PECO0014	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/11/91-03/11/91	0	1	
PECO0015	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0016	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0017	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/23/90-03/18/92	2	11	
PECO0020	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/81-11/24/81	0	3	
PECO0023	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/05/86-09/06/90	4	8	
PECO0024	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/81-11/24/81	0	3	
PECO0028	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/05/76-06/26/78	2	3	
PECO0031	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-11/24/81	0	9	
PECO0032	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/09/81-11/24/81	0	8	
PECO0035	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/05/76	1	7	
PECO0038	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-11/14/75	0	5	
PECO0039	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-03/18/92	11	25	
PECO0040	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/20/86-05/01/92	5	22	
PECO0041	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/23/90-05/01/92	2	16	
PECO0042	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/90-05/01/92	2	14	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0044	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/90-05/01/92	2	11	
PECO0045	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-05/01/92	11	29	
PECO0047	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/30/80-05/01/92	11	25	
PECO0049	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/14/87-06/16/87	0	3	
PECO0050	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/22/73-06/25/92	19	62	T,S
PECO0051	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/78-08/02/78	0	2	
PECO0053	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/05/86-08/07/91	5	7	
PECO0026	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/28/74-06/28/74	0	1	
PECO0050	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/06/71-06/25/92	21	64	T,S
PECO0001	Yes	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	10/17/89-10/17/89	0	1	
PECO0006	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	06/28/90-06/28/90	0	1	
PECO0008	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	10/17/89-06/28/90	0	2	
PECO0011	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-02/28/88	1	8	
PECO0013	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0014	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	03/11/91-03/11/91	0	1	
PECO0015	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0016	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	12	
PECO0017	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	2	11	
PECO0020	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/26/87-02/28/88	0	5	
PECO0023	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-09/06/90	4	13	
PECO0027	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	03/31/87-03/31/87	0	1	
PECO0029	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	10/12/87-02/28/88	0	2	
PECO0031	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/26/87-04/26/87	0	1	
PECO0039	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-03/18/92	5	21	
PECO0040	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	07/20/86-05/01/92	5	30	
PECO0041	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/23/90-05/01/92	2	16	
PECO0042	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/12/90-05/01/92	2	14	
PECO0044	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/12/90-05/01/92	2	11	
PECO0045	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-05/01/92	6	28	
PECO0047	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	10/12/87-05/01/92	4	19	
PECO0049	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/30/87-03/25/88	1	9	
PECO0053	No	00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-08/07/91	5	12	
PECO0050	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/30/67-07/12/79	11	14	
PECO0019	No	00655	PHOSPHATE, POLY (MG/L AS PO4)	10/01/68-11/16/70	2	3	
PECO0025	No	00655	PHOSPHATE, POLY (MG/L AS PO4)	10/03/68-09/14/70	1	3	
PECO0051	No	00655	PHOSPHATE, POLY (MG/L AS PO4)	10/01/68-11/16/70	2	3	
PECO0019	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/01/68-11/16/70	2	3	
PECO0025	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/68-09/14/70	1	3	
PECO0026	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/28/74-06/28/74	0	1	
PECO0050	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/06/71-03/05/81	9	17	
PECO0051	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/01/68-11/16/70	2	3	
PECO0001	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/17/89-10/17/89	0	1	
PECO0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-09/30/76	0	1	
PECO0006	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/90-06/28/90	0	1	
PECO0007	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/30/75-08/27/76	1	7	
PECO0008	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-06/28/90	13	3	
PECO0009	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/25/75-08/27/76	1	8	
PECO0011	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-02/28/88	7	17	
PECO0012	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/24/76-09/30/76	0	2	
PECO0013	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/90-03/18/92	2	13	
PECO0014	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/11/91-03/11/91	0	1	
PECO0015	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/90-03/18/92	2	12	
PECO0016	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/90-03/18/92	2	12	
PECO0017	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/90-03/18/92	2	11	
PECO0020	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/17/81-02/28/88	6	8	
PECO0021	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/24/76-09/30/76	0	2	
PECO0023	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/05/86-09/06/90	4	13	
PECO0024	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/17/81-11/24/81	0	3	
PECO0027	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/05/76-03/31/87	11	5	
PECO0029	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-02/28/88	11	3	
PECO0031	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-04/26/87	6	10	
PECO0032	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/09/81-11/24/81	0	8	
PECO0034	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/25/75-08/27/76	1	8	
PECO0037	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/25/75-08/27/76	1	7	
PECO0039	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-03/18/92	11	30	
PECO0040	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-05/01/92	15	31	
PECO0041	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/90-05/01/92	2	16	
PECO0042	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/90-05/01/92	2	14	
PECO0044	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/90-05/01/92	2	11	
PECO0045	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-05/01/92	11	37	
PECO0047	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/30/80-05/01/92	11	31	
PECO0049	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/30/87-03/25/88	1	9	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0050	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	11/27/68-06/25/92	23	100	T,S
PECO0051	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/78-08/02/78	0	2	
PECO0053	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/05/86-08/07/91	5	12	
PECO0050	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/06/80-06/25/92	11	48	T
PECO0012	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/76-08/24/76	0	1	
PECO0021	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/76-08/24/76	0	1	
PECO0026	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/28/74-06/28/74	0	1	
PECO0050	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/06/71-06/25/92	21	54	T,S
PECO0005	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/27/72	0	2	
PECO0008	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/27/72	0	2	
PECO0012	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/27/72	0	2	
PECO0021	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/27/72	0	2	
PECO0026	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/28/74-06/28/74	0	1	
PECO0029	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/20/72	0	1	
PECO0040	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/27/72	0	2	
PECO0050	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/13/72-07/27/82	10	17	
PECO0026	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/28/74-06/28/74	0	1	
PECO0050	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	09/09/75-09/27/82	7	5	
PECO0050	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	09/09/75-09/27/82	7	5	
PECO0050	No	00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/29/74-09/27/82	8	18	
PECO0001	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/17/89-10/17/89	0	1	
PECO0006	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/90-06/28/90	0	1	
PECO0008	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/17/89-06/28/90	0	2	
PECO0011	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-02/28/88	1	5	
PECO0013	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/90-12/08/92	2	15	
PECO0014	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/11/91-03/11/91	0	1	
PECO0015	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	2	13	
PECO0016	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	2	13	
PECO0017	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	2	12	
PECO0018	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/08/92-12/08/92	0	1	
PECO0019	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/67-11/16/70	3	14	
PECO0020	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/26/87-02/28/88	0	5	
PECO0023	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-09/06/90	3	6	
PECO0025	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/21/67-09/14/70	3	14	
PECO0026	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/74-06/28/74	0	1	
PECO0027	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/31/87-03/31/87	0	1	
PECO0028	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/17/77-06/26/78	1	3	
PECO0029	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/12/87-02/28/88	0	2	
PECO0031	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/26/87-04/26/87	0	1	
PECO0033	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/15/63-07/09/63	0	3	
PECO0039	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-03/18/92	5	17	
PECO0040	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-09/02/92	5	27	
PECO0041	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/90-12/08/92	2	18	
PECO0042	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/12/90-05/01/92	2	14	
PECO0044	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/08/90-09/02/92	2	10	
PECO0045	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-09/02/92	5	25	
PECO0047	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/12/87-09/18/92	4	23	
PECO0049	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/06/87-03/25/88	1	5	
PECO0050	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	23	131	T,A,S
PECO0051	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/67-11/16/70	3	14	
PECO0053	No	00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-08/07/91	4	8	
PECO0019	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/20/67-11/16/70	3	14	
PECO0025	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/21/67-09/14/70	3	14	
PECO0051	No	00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/20/67-11/16/70	3	14	
PECO0026	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/28/74-06/28/74	0	1	
PECO0033	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/15/63-07/09/63	0	3	
PECO0050	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	23	119	T,A,S
PECO0001	Yes	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/17/89-10/17/89	0	1	
PECO0006	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/90-06/28/90	0	1	
PECO0008	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/17/89-06/28/90	0	2	
PECO0011	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-02/28/88	7	16	
PECO0013	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/23/90-12/08/92	2	15	
PECO0014	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/11/91-03/11/91	0	1	
PECO0015	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/23/90-09/18/92	2	13	
PECO0016	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/23/90-09/18/92	2	13	
PECO0017	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/23/90-09/18/92	2	12	
PECO0018	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/08/92-12/08/92	0	1	
PECO0020	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/17/81-02/28/88	6	8	
PECO0023	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/86-09/06/90	4	9	
PECO0024	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/17/81-11/24/81	0	3	
PECO0026	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/74-06/28/74	0	1	
PECO0027	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/31/87-03/31/87	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0029	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/12/87-02/28/88	0	2	
PECO0031	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-04/26/87	6	10	
PECO0032	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/09/81-11/24/81	0	8	
PECO0039	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-03/18/92	11	29	
PECO0040	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/86-09/02/92	6	30	
PECO0041	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/23/90-12/08/92	2	18	
PECO0042	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/12/90-05/01/92	2	14	
PECO0044	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/08/90-09/02/92	2	10	
PECO0045	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/02/92	11	37	
PECO0047	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/18/92	11	32	
PECO0049	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/30/87-03/25/88	1	6	
PECO0050	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/62-03/27/92	29	155	T,S
PECO0053	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/86-08/07/91	5	11	
PECO0049	No	00916	CALCIUM, TOTAL (MG/L AS CA)	03/06/87-03/31/87	0	2	
PECO0001	Yes	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/89-10/17/89	0	1	
PECO0006	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/90-06/28/90	0	1	
PECO0008	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/89-06/28/90	0	2	
PECO0011	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-02/28/88	7	16	
PECO0013	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/23/90-12/08/92	2	15	
PECO0014	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/11/91-03/11/91	0	1	
PECO0015	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/23/90-09/18/92	2	13	
PECO0016	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/23/90-09/18/92	2	13	
PECO0017	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/23/90-09/18/92	2	12	
PECO0018	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/08/92-12/08/92	0	1	
PECO0020	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/17/81-02/28/88	6	8	
PECO0023	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/86-09/06/90	4	9	
PECO0024	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/17/81-11/24/81	0	3	
PECO0026	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/74-06/28/74	0	1	
PECO0027	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/31/87-03/31/87	0	1	
PECO0029	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/12/87-02/28/88	0	2	
PECO0031	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-04/26/87	6	10	
PECO0032	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/09/81-11/24/81	0	8	
PECO0039	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-03/18/92	11	29	
PECO0040	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/86-09/02/92	6	30	
PECO0041	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/23/90-12/08/92	2	18	
PECO0042	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/12/90-05/01/92	2	14	
PECO0044	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/08/90-09/02/92	2	10	
PECO0045	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/02/92	11	37	
PECO0047	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/18/92	11	32	
PECO0049	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/30/87-03/25/88	1	6	
PECO0050	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/62-03/27/92	29	155	T,S
PECO0053	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/86-08/07/91	5	11	
PECO0049	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/06/87-03/31/87	0	2	
PECO0049	No	00929	SODIUM, TOTAL (MG/L AS NA)	03/06/87-03/31/87	0	2	
PECO0001	Yes	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/17/89-10/17/89	0	1	
PECO0006	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/28/90-06/28/90	0	1	
PECO0008	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/17/89-06/28/90	0	2	
PECO0011	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-02/28/88	7	16	
PECO0013	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/23/90-12/08/92	2	15	
PECO0014	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/11/91-03/11/91	0	1	
PECO0015	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/23/90-09/18/92	2	13	
PECO0016	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/23/90-09/18/92	2	13	
PECO0017	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/23/90-09/18/92	2	12	
PECO0018	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/08/92-12/08/92	0	1	
PECO0020	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/17/81-02/28/88	6	8	
PECO0023	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/02/86-09/06/90	4	12	
PECO0024	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	08/17/81-11/24/81	0	3	
PECO0026	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	06/28/74-06/28/74	0	1	
PECO0027	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/31/87-03/31/87	0	1	
PECO0029	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/12/87-02/28/88	0	2	
PECO0031	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-04/26/87	6	10	
PECO0032	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/09/81-11/24/81	0	8	
PECO0039	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-03/18/92	11	29	
PECO0040	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/86-09/02/92	6	30	
PECO0041	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/23/90-12/08/92	2	18	
PECO0042	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	04/12/90-05/01/92	2	14	
PECO0044	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	05/08/90-09/02/92	2	10	
PECO0045	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/02/92	11	37	
PECO0047	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/18/92	11	32	
PECO0049	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	01/30/87-03/25/88	1	6	
PECO0050	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	11/06/62-03/27/92	29	154	T,S
PECO0053	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/86-08/07/91	5	11	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0026	No	00931	SODIUM ADSORPTION RATIO	06/28/74-06/28/74	0	1	
PECO0050	No	00931	SODIUM ADSORPTION RATIO	11/06/62-03/25/86	23	123	T,S
PECO0026	No	00932	SODIUM, PERCENT	06/28/74-06/28/74	0	1	
PECO0050	No	00932	SODIUM, PERCENT	11/09/66-11/26/85	19	91	T,S
PECO0050	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	07/12/79-02/01/80	0	4	
PECO0001	Yes	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/17/89-10/17/89	0	1	
PECO0006	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/28/90-06/28/90	0	1	
PECO0008	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/17/89-06/28/90	0	2	
PECO0011	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-02/28/88	7	16	
PECO0013	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/23/90-12/08/92	2	15	
PECO0014	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/11/91-03/11/91	0	1	
PECO0015	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/23/90-09/18/92	2	13	
PECO0016	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/23/90-09/18/92	2	13	
PECO0017	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/23/90-09/18/92	2	12	
PECO0018	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/08/92-12/08/92	0	1	
PECO0020	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/17/81-02/28/88	6	8	
PECO0023	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/86-09/06/90	4	9	
PECO0024	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/17/81-11/24/81	0	3	
PECO0026	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/28/74-06/28/74	0	1	
PECO0027	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/31/87-03/31/87	0	1	
PECO0029	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/12/87-02/28/88	0	2	
PECO0031	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-04/26/87	6	10	
PECO0032	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/09/81-11/24/81	0	8	
PECO0039	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-03/18/92	11	29	
PECO0040	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/86-09/02/92	6	30	
PECO0041	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/23/90-12/08/92	2	18	
PECO0042	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/12/90-05/01/92	2	14	
PECO0044	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/08/90-09/02/92	2	10	
PECO0045	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/02/92	11	37	
PECO0047	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/18/92	11	32	
PECO0049	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/30/87-03/25/88	1	6	
PECO0050	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/62-03/27/92	29	154	T,S
PECO0053	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/86-08/07/91	5	11	
PECO0049	No	00937	POTASSIUM, TOTAL MG/L AS K)	03/06/87-03/31/87	0	2	
PECO0001	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	10/17/89-10/17/89	0	1	
PECO0006	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/90-06/28/90	0	1	
PECO0008	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/17/89-06/28/90	0	2	
PECO0011	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-02/28/88	7	17	
PECO0013	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/90-12/08/92	2	15	
PECO0014	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/91-03/11/91	0	1	
PECO0015	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/90-09/18/92	2	13	
PECO0016	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/90-09/18/92	2	13	
PECO0017	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/90-09/18/92	2	12	
PECO0018	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/08/92-12/08/92	0	1	
PECO0019	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/67-11/16/70	3	14	
PECO0020	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/81-02/28/88	6	8	
PECO0023	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/05/86-09/06/90	4	13	
PECO0024	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/81-11/24/81	0	3	
PECO0025	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/21/67-09/14/70	3	14	
PECO0026	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/74-06/28/74	0	1	
PECO0027	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/31/87-03/31/87	0	1	
PECO0028	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/17/77-06/26/78	1	3	
PECO0029	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/12/87-02/28/88	0	2	
PECO0031	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-04/26/87	6	10	
PECO0032	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/09/81-11/24/81	0	8	
PECO0033	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/15/63-07/09/63	0	3	
PECO0039	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-03/18/92	11	30	
PECO0040	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/86-09/02/92	6	30	
PECO0041	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/90-12/08/92	2	18	
PECO0042	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/12/90-05/01/92	2	14	
PECO0044	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/08/90-09/02/92	2	10	
PECO0045	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/02/92	11	38	
PECO0047	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/18/92	11	31	
PECO0049	No	00940	CHLORIDE,TOTAL IN WATER MG/L	01/30/87-03/25/88	1	8	
PECO0050	No	00940	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	29	161	T,A,S
PECO0051	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/67-11/16/70	3	13	
PECO0053	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/05/86-08/07/91	5	12	
PECO0001	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/89-10/17/89	0	1	
PECO0006	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/28/90-06/28/90	0	1	
PECO0008	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/89-06/28/90	0	2	
PECO0011	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-02/28/88	7	14	
PECO0013	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/90-12/08/92	2	15	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0014	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/11/91-03/11/91	0	1	
PECO0015	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/90-09/18/92	2	13	
PECO0016	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/90-09/18/92	2	13	
PECO0017	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/90-09/18/92	2	12	
PECO0018	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/92-12/08/92	0	1	
PECO0019	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/67-11/16/70	3	14	
PECO0020	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/17/81-02/28/88	6	8	
PECO0023	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/09/87-09/06/90	3	6	
PECO0024	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/17/81-11/24/81	0	3	
PECO0025	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/21/67-09/14/70	3	14	
PECO0026	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/28/74-06/28/74	0	1	
PECO0027	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/31/87-03/31/87	0	1	
PECO0028	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/17/77-06/26/78	1	3	
PECO0029	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/12/87-02/28/88	0	2	
PECO0031	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-04/26/87	6	10	
PECO0032	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/09/81-11/24/81	0	8	
PECO0039	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-03/18/92	11	26	
PECO0040	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/09/87-09/02/92	5	27	
PECO0041	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/90-12/08/92	2	18	
PECO0042	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/12/90-05/01/92	2	14	
PECO0044	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/08/90-09/02/92	2	10	
PECO0045	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/02/92	11	34	
PECO0047	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/18/92	11	32	
PECO0049	No	00945	SULFATE, TOTAL (MG/L AS SO4)	01/30/87-03/25/88	1	8	
PECO0050	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/06/62-03/27/92	29	153	T,S
PECO0051	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/67-11/16/70	3	14	
PECO0053	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/09/87-08/07/91	4	8	
PECO0011	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/05/86-10/31/86	0	3	
PECO0023	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/05/86-10/31/86	0	7	
PECO0039	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/05/86-10/31/86	0	4	
PECO0040	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/20/86-10/31/86	0	3	
PECO0045	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/05/86-10/31/86	0	4	
PECO0053	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/05/86-10/31/86	0	4	
PECO0019	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/01/68-11/16/70	2	3	
PECO0025	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/03/68-09/14/70	1	3	
PECO0026	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/28/74-06/28/74	0	1	
PECO0050	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/62-03/27/92	29	153	T,S
PECO0051	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/01/68-11/16/70	2	3	
PECO0006	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/28/90-06/28/90	0	1	
PECO0008	No	00951	FLUORIDE, TOTAL (MG/L AS F)	06/28/90-06/28/90	0	1	
PECO0013	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-12/08/92	2	14	
PECO0014	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/11/91-03/11/91	0	1	
PECO0015	No	00951	FLUORIDE, TOTAL (MG/L AS F)	04/12/90-09/18/92	2	12	
PECO0016	No	00951	FLUORIDE, TOTAL (MG/L AS F)	04/12/90-09/18/92	2	12	
PECO0017	No	00951	FLUORIDE, TOTAL (MG/L AS F)	04/12/90-09/18/92	2	11	
PECO0018	No	00951	FLUORIDE, TOTAL (MG/L AS F)	12/08/92-12/08/92	0	1	
PECO0023	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/06/90-09/06/90	0	1	
PECO0039	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-03/18/92	2	10	
PECO0040	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-09/02/92	2	18	
PECO0041	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-12/08/92	2	17	
PECO0042	No	00951	FLUORIDE, TOTAL (MG/L AS F)	04/12/90-05/01/92	2	14	
PECO0044	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/06/90-09/02/92	1	9	
PECO0045	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-09/02/92	2	16	
PECO0047	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-09/18/92	2	17	
PECO0053	No	00951	FLUORIDE, TOTAL (MG/L AS F)	02/28/91-08/07/91	0	3	
PECO0026	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	06/28/74-06/28/74	0	1	
PECO0050	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	11/06/62-03/27/92	29	154	T,S
PECO0001	Yes	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/17/89-10/17/89	0	1	
PECO0006	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/28/90-06/28/90	0	1	
PECO0008	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/17/89-06/28/90	0	2	
PECO0011	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/30/80-12/04/80	0	2	
PECO0013	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	1	9	
PECO0014	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/11/91-03/11/91	0	1	
PECO0015	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	1	9	
PECO0016	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	1	9	
PECO0017	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	1	9	
PECO0023	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-09/06/90	0	1	
PECO0026	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/28/74-06/28/74	0	1	
PECO0031	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/04/80-12/04/80	0	1	
PECO0039	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/04/80-03/18/92	11	8	
PECO0040	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	1	12	
PECO0041	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	1	10	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0042	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	1	10	
PECO0044	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	1	7	
PECO0045	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/04/80-03/18/92	11	11	
PECO0047	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/30/80-03/18/92	11	12	
PECO0050	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/02/72-08/26/91	19	33	
PECO0053	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/28/91-08/07/91	0	3	
PECO0050	No	01001	ARSENIC, SUSPENDED (UG/L AS AS)	03/27/80-08/26/81	1	4	
PECO0001	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	10/17/89-10/17/89	0	1	
PECO0008	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/17/89-10/17/89	0	1	
PECO0011	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-02/28/88	7	16	
PECO0013	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/90-03/18/92	2	11	
PECO0014	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/11/91-03/11/91	0	1	
PECO0015	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/90-03/18/92	2	9	
PECO0016	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/90-03/18/92	2	9	
PECO0017	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/90-03/18/92	2	8	
PECO0018	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/15/91-03/16/91	0	13	
PECO0020	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/17/81-02/28/88	6	8	
PECO0023	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/05/86-09/06/90	4	11	
PECO0024	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/17/81-11/24/81	0	3	
PECO0027	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/31/87-03/31/87	0	1	
PECO0029	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/12/87-09/27/89	1	3	
PECO0030	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/27/89-09/27/89	0	1	
PECO0031	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-04/26/87	6	9	
PECO0032	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-11/24/81	0	8	
PECO0039	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-03/18/92	11	27	
PECO0040	No	01002	ARSENIC, TOTAL (UG/L AS AS)	07/20/86-05/01/92	5	28	
PECO0041	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/90-03/18/92	2	12	
PECO0042	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/90-03/18/92	1	10	
PECO0044	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/90-03/18/92	1	8	
PECO0045	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-03/18/92	11	32	
PECO0047	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-05/01/92	11	26	
PECO0049	No	01002	ARSENIC, TOTAL (UG/L AS AS)	01/30/87-03/25/88	1	8	
PECO0050	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/20/73-09/27/82	8	19	
PECO0053	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/05/86-03/18/91	4	11	
PECO0001	Yes	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/17/89-10/17/89	0	1	
PECO0006	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/28/90-06/28/90	0	1	
PECO0008	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/17/89-06/28/90	0	2	
PECO0011	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/30/80-12/04/80	0	2	
PECO0013	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	1	9	
PECO0014	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	03/11/91-03/11/91	0	1	
PECO0015	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	1	9	
PECO0016	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	1	9	
PECO0017	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	1	9	
PECO0023	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-09/06/90	0	1	
PECO0026	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	06/28/74-06/28/74	0	1	
PECO0031	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/04/80-12/04/80	0	1	
PECO0039	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/04/80-03/18/92	11	8	
PECO0040	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	1	12	
PECO0041	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	1	10	
PECO0042	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	1	10	
PECO0044	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	1	7	
PECO0045	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/04/80-03/18/92	11	11	
PECO0047	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/30/80-03/18/92	11	12	
PECO0050	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	10/15/69-03/27/92	22	36	S
PECO0053	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	02/28/91-08/07/91	0	3	
PECO0050	No	01006	BARIUM, SUSPENDED (UG/L AS BA)	03/27/80-06/04/82	2	5	
PECO0001	Yes	01007	BARIUM, TOTAL (UG/L AS BA)	10/17/89-10/17/89	0	1	
PECO0008	No	01007	BARIUM, TOTAL (UG/L AS BA)	10/17/89-10/17/89	0	1	
PECO0011	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-02/28/88	7	16	
PECO0013	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/23/90-03/18/92	2	11	
PECO0014	No	01007	BARIUM, TOTAL (UG/L AS BA)	03/11/91-03/11/91	0	1	
PECO0015	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/23/90-03/18/92	2	9	
PECO0016	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/23/90-03/18/92	2	9	
PECO0017	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/23/90-03/18/92	2	8	
PECO0018	No	01007	BARIUM, TOTAL (UG/L AS BA)	03/15/91-03/16/91	0	13	
PECO0020	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/17/81-02/28/88	6	8	
PECO0023	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/05/86-09/06/90	4	11	
PECO0024	No	01007	BARIUM, TOTAL (UG/L AS BA)	08/17/81-11/24/81	0	3	
PECO0027	No	01007	BARIUM, TOTAL (UG/L AS BA)	03/31/87-03/31/87	0	1	
PECO0029	No	01007	BARIUM, TOTAL (UG/L AS BA)	10/12/87-09/27/89	1	3	
PECO0030	No	01007	BARIUM, TOTAL (UG/L AS BA)	09/27/89-09/27/89	0	1	
PECO0031	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-04/26/87	6	9	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0032	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-11/24/81	0	8	
PECO0039	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-03/18/92	11	27	
PECO0040	No	01007	BARIUM, TOTAL (UG/L AS BA)	07/20/86-05/01/92	5	27	
PECO0041	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/23/90-03/18/92	2	12	
PECO0042	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/90-03/18/92	1	10	
PECO0044	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/12/90-03/18/92	1	8	
PECO0045	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-03/18/92	11	32	
PECO0047	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-05/01/92	11	26	
PECO0049	No	01007	BARIUM, TOTAL (UG/L AS BA)	01/30/87-03/25/88	1	8	
PECO0050	No	01007	BARIUM, TOTAL (UG/L AS BA)	11/20/73-09/27/82	8	19	
PECO0053	No	01007	BARIUM, TOTAL (UG/L AS BA)	04/05/86-03/18/91	4	11	
PECO0011	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/04/80-12/04/80	0	1	
PECO0013	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	1	8	
PECO0014	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	03/11/91-03/11/91	0	1	
PECO0015	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	1	8	
PECO0016	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	1	8	
PECO0017	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	1	8	
PECO0031	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/04/80-12/04/80	0	1	
PECO0039	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/04/80-03/18/92	11	7	
PECO0040	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	1	11	
PECO0041	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	1	9	
PECO0042	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	1	9	
PECO0044	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	03/18/91-03/18/92	1	6	
PECO0045	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/04/80-03/18/92	11	10	
PECO0047	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/04/80-03/18/92	11	10	
PECO0050	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	10/15/69-08/26/91	21	33	
PECO0053	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-08/07/91	0	3	
PECO0011	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-11/24/81	0	8	
PECO0013	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	1	6	
PECO0014	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	03/11/91-03/11/91	0	1	
PECO0015	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	1	5	
PECO0016	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	1	5	
PECO0017	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	1	5	
PECO0018	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	03/15/91-03/16/91	0	13	
PECO0020	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/17/81-11/24/81	0	3	
PECO0024	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/17/81-11/24/81	0	3	
PECO0031	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-11/24/81	0	8	
PECO0032	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-11/24/81	0	8	
PECO0039	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-03/18/92	11	13	
PECO0040	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-05/01/92	1	12	
PECO0041	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	1	7	
PECO0042	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	1	7	
PECO0044	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	03/18/91-03/18/92	1	5	
PECO0045	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-03/18/92	11	15	
PECO0047	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-05/01/92	11	16	
PECO0053	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/91	0	2	
PECO0050	No	01015	BISMUTH, DISSOLVED (UG/L AS BI)	10/15/69-10/15/69	0	1	
PECO0013	No	01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	1	8	
PECO0014	No	01020	BORON, DISSOLVED (UG/L AS B)	03/11/91-03/11/91	0	1	
PECO0015	No	01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	1	8	
PECO0016	No	01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	1	8	
PECO0017	No	01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	1	8	
PECO0026	No	01020	BORON, DISSOLVED (UG/L AS B)	06/28/74-06/28/74	0	1	
PECO0039	No	01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	1	6	
PECO0040	No	01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	1	11	
PECO0041	No	01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	1	9	
PECO0042	No	01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	1	9	
PECO0044	No	01020	BORON, DISSOLVED (UG/L AS B)	03/18/91-03/18/92	1	6	
PECO0045	No	01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	1	9	
PECO0047	No	01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	1	9	
PECO0050	No	01020	BORON, DISSOLVED (UG/L AS B)	12/23/63-03/22/73	9	62	
PECO0053	No	01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-08/07/91	0	3	
PECO0013	No	01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	1	6	
PECO0014	No	01022	BORON, TOTAL (UG/L AS B)	03/11/91-03/11/91	0	1	
PECO0015	No	01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	1	5	
PECO0016	No	01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	1	5	
PECO0017	No	01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	1	5	
PECO0018	No	01022	BORON, TOTAL (UG/L AS B)	03/15/91-03/16/91	0	13	
PECO0039	No	01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	1	4	
PECO0040	No	01022	BORON, TOTAL (UG/L AS B)	02/28/91-05/01/92	1	12	
PECO0041	No	01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	1	7	
PECO0042	No	01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	1	7	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0044	No	01022	BORON, TOTAL (UG/L AS B)	03/18/91-03/18/92	1	5	
PECO0045	No	01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	1	7	
PECO0047	No	01022	BORON, TOTAL (UG/L AS B)	02/28/91-05/01/92	1	8	
PECO0053	No	01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/91	0	2	
PECO0001	Yes	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/17/89-10/17/89	0	1	
PECO0006	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/28/90-06/28/90	0	1	
PECO0008	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/17/89-06/28/90	0	2	
PECO0011	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/30/80-12/04/80	0	2	
PECO0013	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	1	9	
PECO0014	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/11/91-03/11/91	0	1	
PECO0015	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	1	9	
PECO0016	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	1	9	
PECO0017	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	1	9	
PECO0023	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-09/06/90	0	1	
PECO0026	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/28/74-06/28/74	0	1	
PECO0031	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/04/80-12/04/80	0	1	
PECO0039	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/04/80-03/18/92	11	8	
PECO0040	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	1	12	
PECO0041	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	1	10	
PECO0042	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	1	10	
PECO0044	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	1	7	
PECO0045	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/04/80-03/18/92	11	11	
PECO0047	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/30/80-03/18/92	11	12	
PECO0050	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/15/69-08/26/91	21	34	
PECO0053	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/28/91-08/07/91	0	3	
PECO0001	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	10/17/89-10/17/89	0	1	
PECO0008	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/17/89-10/17/89	0	1	
PECO0011	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-02/28/88	7	16	
PECO0013	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/90-03/18/92	2	11	
PECO0014	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/11/91-03/11/91	0	1	
PECO0015	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/90-03/18/92	2	9	
PECO0016	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/90-03/18/92	2	9	
PECO0017	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/90-03/18/92	2	8	
PECO0018	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/15/91-03/16/91	0	13	
PECO0020	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/17/81-02/28/88	6	8	
PECO0023	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/05/86-09/06/90	4	11	
PECO0024	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/17/81-11/24/81	0	3	
PECO0027	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/31/87-03/31/87	0	1	
PECO0029	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/12/87-09/27/89	1	3	
PECO0030	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/89-09/27/89	0	1	
PECO0031	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-04/26/87	6	9	
PECO0032	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-11/24/81	0	8	
PECO0039	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-03/18/92	11	27	
PECO0040	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/20/86-05/01/92	5	28	
PECO0041	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/90-03/18/92	2	12	
PECO0042	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/12/90-03/18/92	1	10	
PECO0044	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/12/90-03/18/92	1	8	
PECO0045	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-03/18/92	11	32	
PECO0047	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-05/01/92	11	26	
PECO0049	No	01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/87-03/25/88	1	8	
PECO0050	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/20/73-09/27/82	8	19	
PECO0053	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/05/86-03/18/91	4	11	
PECO0001	Yes	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/17/89-10/17/89	0	1	
PECO0006	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/90-06/28/90	0	1	
PECO0008	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/17/89-06/28/90	0	2	
PECO0011	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/30/80-12/04/80	0	2	
PECO0013	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	1	9	
PECO0014	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/11/91-03/11/91	0	1	
PECO0015	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	1	9	
PECO0016	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	1	9	
PECO0017	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	1	9	
PECO0023	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-09/06/90	0	1	
PECO0031	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/04/80-12/04/80	0	1	
PECO0039	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/04/80-03/18/92	11	8	
PECO0040	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	1	12	
PECO0041	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	1	10	
PECO0042	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	1	10	
PECO0044	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	1	7	
PECO0045	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/04/80-03/18/92	11	11	
PECO0047	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/30/80-03/18/92	11	12	
PECO0050	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/15/69-08/26/91	21	33	
PECO0053	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/28/91-08/07/91	0	3	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0050	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	03/27/80-08/26/81	1	4	
PECO0019	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/01/68-11/16/70	2	3	
PECO0025	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/03/68-09/14/70	1	3	
PECO0026	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/28/74-06/28/74	0	1	
PECO0050	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/02/72-05/02/72	0	1	
PECO0051	No	01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/01/68-11/16/70	2	3	
PECO0001	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/17/89-10/17/89	0	1	
PECO0008	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/17/89-10/17/89	0	1	
PECO0011	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-02/28/88	7	16	
PECO0013	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/90-03/18/92	2	11	
PECO0014	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/11/91-03/11/91	0	1	
PECO0015	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/90-03/18/92	2	9	
PECO0016	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/90-03/18/92	2	9	
PECO0017	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/90-03/18/92	2	8	
PECO0018	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/15/91-03/16/91	0	13	
PECO0020	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/17/81-02/28/88	6	8	
PECO0023	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/05/86-09/06/90	4	11	
PECO0024	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/17/81-11/24/81	0	3	
PECO0027	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/31/87-03/31/87	0	1	
PECO0029	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/12/87-09/27/89	1	3	
PECO0030	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/27/89-09/27/89	0	1	
PECO0031	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-04/26/87	6	9	
PECO0032	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-11/24/81	0	8	
PECO0039	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-03/18/92	11	26	
PECO0040	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/20/86-05/01/92	5	28	
PECO0041	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/90-03/18/92	2	12	
PECO0042	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/90-03/18/92	1	10	
PECO0044	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/90-03/18/92	1	8	
PECO0045	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-03/18/92	11	32	
PECO0047	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-05/01/92	11	26	
PECO0049	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/87-03/25/88	1	8	
PECO0050	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/20/73-09/27/82	8	19	
PECO0053	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/05/86-03/18/91	4	11	
PECO0013	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	1	8	
PECO0014	No	01035	COBALT, DISSOLVED (UG/L AS CO)	03/11/91-03/11/91	0	1	
PECO0015	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	1	8	
PECO0016	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	1	8	
PECO0017	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	1	8	
PECO0039	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	1	6	
PECO0040	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	1	11	
PECO0041	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	1	9	
PECO0042	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	1	9	
PECO0044	No	01035	COBALT, DISSOLVED (UG/L AS CO)	03/18/91-03/18/92	1	6	
PECO0045	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	1	9	
PECO0047	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	1	9	
PECO0050	No	01035	COBALT, DISSOLVED (UG/L AS CO)	10/15/69-03/27/92	22	35	
PECO0053	No	01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-08/07/91	0	3	
PECO0013	No	01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	1	6	
PECO0014	No	01037	COBALT, TOTAL (UG/L AS CO)	03/11/91-03/11/91	0	1	
PECO0015	No	01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	1	5	
PECO0016	No	01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	1	5	
PECO0017	No	01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	1	5	
PECO0018	No	01037	COBALT, TOTAL (UG/L AS CO)	03/15/91-03/16/91	0	13	
PECO0039	No	01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	1	4	
PECO0040	No	01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-05/01/92	1	12	
PECO0041	No	01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	1	7	
PECO0042	No	01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	1	7	
PECO0044	No	01037	COBALT, TOTAL (UG/L AS CO)	03/18/91-03/18/92	1	5	
PECO0045	No	01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	1	7	
PECO0047	No	01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-05/01/92	1	8	
PECO0053	No	01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/91	0	2	
PECO0011	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/80-12/04/80	0	1	
PECO0013	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	1	9	
PECO0014	No	01040	COPPER, DISSOLVED (UG/L AS CU)	03/11/91-03/11/91	0	1	
PECO0015	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	1	9	
PECO0016	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	1	9	
PECO0017	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	1	9	
PECO0019	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/20/67-11/16/70	3	14	
PECO0023	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-09/06/90	0	1	
PECO0025	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/21/67-09/14/70	3	14	
PECO0026	No	01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/74-06/28/74	0	1	
PECO0031	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/80-12/04/80	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0039	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/80-03/18/92	11	8	
PECO0040	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	1	12	
PECO0041	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	1	10	
PECO0042	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	1	10	
PECO0044	No	01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	1	7	
PECO0045	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/80-03/18/92	11	11	
PECO0047	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/80-03/18/92	11	11	
PECO0050	No	01040	COPPER, DISSOLVED (UG/L AS CU)	11/09/66-08/26/91	24	35	
PECO0051	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/20/67-11/16/70	3	14	
PECO0053	No	01040	COPPER, DISSOLVED (UG/L AS CU)	02/28/91-08/07/91	0	3	
PECO0011	No	01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-02/28/88	7	15	
PECO0013	No	01042	COPPER, TOTAL (UG/L AS CU)	01/23/90-03/18/92	2	11	
PECO0014	No	01042	COPPER, TOTAL (UG/L AS CU)	03/11/91-03/11/91	0	1	
PECO0015	No	01042	COPPER, TOTAL (UG/L AS CU)	01/23/90-03/18/92	2	9	
PECO0016	No	01042	COPPER, TOTAL (UG/L AS CU)	01/23/90-03/18/92	2	9	
PECO0017	No	01042	COPPER, TOTAL (UG/L AS CU)	01/23/90-03/18/92	2	8	
PECO0018	No	01042	COPPER, TOTAL (UG/L AS CU)	03/15/91-03/16/91	0	13	
PECO0020	No	01042	COPPER, TOTAL (UG/L AS CU)	08/17/81-02/28/88	6	8	
PECO0023	No	01042	COPPER, TOTAL (UG/L AS CU)	07/20/86-09/06/90	4	8	
PECO0024	No	01042	COPPER, TOTAL (UG/L AS CU)	08/17/81-11/24/81	0	3	
PECO0027	No	01042	COPPER, TOTAL (UG/L AS CU)	03/31/87-03/31/87	0	1	
PECO0029	No	01042	COPPER, TOTAL (UG/L AS CU)	10/12/87-02/28/88	0	2	
PECO0031	No	01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-04/26/87	6	9	
PECO0032	No	01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-11/24/81	0	8	
PECO0039	No	01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-03/18/92	11	26	
PECO0040	No	01042	COPPER, TOTAL (UG/L AS CU)	07/20/86-05/01/92	5	28	
PECO0041	No	01042	COPPER, TOTAL (UG/L AS CU)	01/23/90-03/18/92	2	12	
PECO0042	No	01042	COPPER, TOTAL (UG/L AS CU)	04/12/90-03/18/92	1	10	
PECO0044	No	01042	COPPER, TOTAL (UG/L AS CU)	04/12/90-03/18/92	1	8	
PECO0045	No	01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-03/18/92	11	31	
PECO0047	No	01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-05/01/92	11	26	
PECO0049	No	01042	COPPER, TOTAL (UG/L AS CU)	01/30/87-03/25/88	1	6	
PECO0050	No	01042	COPPER, TOTAL (UG/L AS CU)	11/20/73-09/27/82	8	19	
PECO0053	No	01042	COPPER, TOTAL (UG/L AS CU)	07/20/86-03/18/91	4	10	
PECO0050	No	01044	IRON, SUSPENDED (UG/L AS FE)	09/11/80-09/27/82	2	5	
PECO0011	No	01045	IRON, TOTAL (UG/L AS FE)	01/09/81-02/28/88	7	14	
PECO0013	No	01045	IRON, TOTAL (UG/L AS FE)	01/23/90-03/18/92	2	11	
PECO0014	No	01045	IRON, TOTAL (UG/L AS FE)	03/11/91-03/11/91	0	1	
PECO0015	No	01045	IRON, TOTAL (UG/L AS FE)	01/23/90-03/18/92	2	9	
PECO0016	No	01045	IRON, TOTAL (UG/L AS FE)	01/23/90-03/18/92	2	9	
PECO0017	No	01045	IRON, TOTAL (UG/L AS FE)	01/23/90-03/18/92	2	8	
PECO0018	No	01045	IRON, TOTAL (UG/L AS FE)	03/15/91-03/16/91	0	13	
PECO0019	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/67-11/16/70	3	14	
PECO0020	No	01045	IRON, TOTAL (UG/L AS FE)	08/17/81-02/28/88	6	8	
PECO0023	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/86-09/06/90	4	8	
PECO0024	No	01045	IRON, TOTAL (UG/L AS FE)	08/17/81-11/24/81	0	3	
PECO0025	No	01045	IRON, TOTAL (UG/L AS FE)	07/21/67-09/14/70	3	14	
PECO0027	No	01045	IRON, TOTAL (UG/L AS FE)	03/31/87-03/31/87	0	1	
PECO0029	No	01045	IRON, TOTAL (UG/L AS FE)	10/12/87-02/28/88	0	2	
PECO0031	No	01045	IRON, TOTAL (UG/L AS FE)	01/09/81-04/26/87	6	9	
PECO0032	No	01045	IRON, TOTAL (UG/L AS FE)	01/09/81-11/24/81	0	8	
PECO0039	No	01045	IRON, TOTAL (UG/L AS FE)	01/09/81-03/18/92	11	24	
PECO0040	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/86-05/01/92	5	27	
PECO0041	No	01045	IRON, TOTAL (UG/L AS FE)	01/23/90-03/18/92	2	12	
PECO0042	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/90-03/18/92	1	10	
PECO0044	No	01045	IRON, TOTAL (UG/L AS FE)	04/12/90-03/18/92	1	8	
PECO0045	No	01045	IRON, TOTAL (UG/L AS FE)	01/09/81-03/18/92	11	30	
PECO0047	No	01045	IRON, TOTAL (UG/L AS FE)	01/09/81-05/01/92	11	26	
PECO0049	No	01045	IRON, TOTAL (UG/L AS FE)	03/31/87-03/25/88	0	6	
PECO0050	No	01045	IRON, TOTAL (UG/L AS FE)	11/20/73-09/27/82	8	19	
PECO0051	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/67-11/16/70	3	14	
PECO0053	No	01045	IRON, TOTAL (UG/L AS FE)	07/20/86-03/18/91	4	8	
PECO0011	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/04/80-12/04/80	0	1	
PECO0013	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	1	9	
PECO0014	No	01046	IRON, DISSOLVED (UG/L AS FE)	03/11/91-03/11/91	0	1	
PECO0015	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	1	9	
PECO0016	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	1	9	
PECO0017	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	1	9	
PECO0023	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-09/06/90	0	1	
PECO0026	No	01046	IRON, DISSOLVED (UG/L AS FE)	06/28/74-06/28/74	0	1	
PECO0031	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/04/80-12/04/80	0	1	
PECO0039	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/04/80-03/18/92	11	8	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0040	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	1	12	
PECO0041	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	1	10	
PECO0042	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	1	10	
PECO0044	No	01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	1	7	
PECO0045	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/04/80-03/18/92	11	11	
PECO0047	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/04/80-03/18/92	11	11	
PECO0050	No	01046	IRON, DISSOLVED (UG/L AS FE)	11/30/67-03/27/92	24	66	T,S
PECO0053	No	01046	IRON, DISSOLVED (UG/L AS FE)	02/28/91-08/07/91	0	3	
PECO0001	Yes	01049	LEAD, DISSOLVED (UG/L AS PB)	10/17/89-10/17/89	0	1	
PECO0006	No	01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/90-06/28/90	0	1	
PECO0008	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/17/89-06/28/90	0	2	
PECO0011	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/30/80-12/04/80	0	2	
PECO0013	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	1	9	
PECO0014	No	01049	LEAD, DISSOLVED (UG/L AS PB)	03/11/91-03/11/91	0	1	
PECO0015	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	1	9	
PECO0016	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	1	9	
PECO0017	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	1	9	
PECO0023	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-09/06/90	0	1	
PECO0031	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/04/80-12/04/80	0	1	
PECO0039	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/04/80-03/18/92	11	8	
PECO0040	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	1	12	
PECO0041	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	1	10	
PECO0042	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	1	10	
PECO0044	No	01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	1	7	
PECO0045	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/04/80-03/18/92	11	11	
PECO0047	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/30/80-03/18/92	11	12	
PECO0050	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/15/69-08/26/91	21	33	
PECO0053	No	01049	LEAD, DISSOLVED (UG/L AS PB)	02/28/91-08/07/91	0	3	
PECO0001	Yes	01051	LEAD, TOTAL (UG/L AS PB)	10/17/89-10/17/89	0	1	
PECO0008	No	01051	LEAD, TOTAL (UG/L AS PB)	10/17/89-10/17/89	0	1	
PECO0011	No	01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-02/28/88	7	16	
PECO0013	No	01051	LEAD, TOTAL (UG/L AS PB)	01/23/90-03/18/92	2	11	
PECO0014	No	01051	LEAD, TOTAL (UG/L AS PB)	03/11/91-03/11/91	0	1	
PECO0015	No	01051	LEAD, TOTAL (UG/L AS PB)	01/23/90-03/18/92	2	9	
PECO0016	No	01051	LEAD, TOTAL (UG/L AS PB)	01/23/90-03/18/92	2	9	
PECO0017	No	01051	LEAD, TOTAL (UG/L AS PB)	01/23/90-03/18/92	2	8	
PECO0018	No	01051	LEAD, TOTAL (UG/L AS PB)	03/15/91-03/16/91	0	13	
PECO0020	No	01051	LEAD, TOTAL (UG/L AS PB)	08/17/81-02/28/88	6	8	
PECO0023	No	01051	LEAD, TOTAL (UG/L AS PB)	04/05/86-09/06/90	4	11	
PECO0024	No	01051	LEAD, TOTAL (UG/L AS PB)	08/17/81-11/24/81	0	3	
PECO0026	No	01051	LEAD, TOTAL (UG/L AS PB)	06/28/74-06/28/74	0	1	
PECO0027	No	01051	LEAD, TOTAL (UG/L AS PB)	03/31/87-03/31/87	0	1	
PECO0029	No	01051	LEAD, TOTAL (UG/L AS PB)	10/12/87-09/27/89	1	3	
PECO0030	No	01051	LEAD, TOTAL (UG/L AS PB)	09/27/89-09/27/89	0	1	
PECO0031	No	01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-04/26/87	6	8	
PECO0032	No	01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-11/24/81	0	8	
PECO0039	No	01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-03/18/92	11	27	
PECO0040	No	01051	LEAD, TOTAL (UG/L AS PB)	07/20/86-05/01/92	5	28	
PECO0041	No	01051	LEAD, TOTAL (UG/L AS PB)	01/23/90-03/18/92	2	12	
PECO0042	No	01051	LEAD, TOTAL (UG/L AS PB)	04/12/90-03/18/92	1	10	
PECO0044	No	01051	LEAD, TOTAL (UG/L AS PB)	04/12/90-03/18/92	1	8	
PECO0045	No	01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-03/18/92	11	32	
PECO0047	No	01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-05/01/92	11	26	
PECO0049	No	01051	LEAD, TOTAL (UG/L AS PB)	01/30/87-03/25/88	1	8	
PECO0050	No	01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-09/27/82	10	20	
PECO0053	No	01051	LEAD, TOTAL (UG/L AS PB)	04/05/86-03/18/91	4	11	
PECO0050	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	09/11/80-09/27/82	2	3	
PECO0011	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-02/28/88	7	14	
PECO0013	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/23/90-03/18/92	2	11	
PECO0014	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/11/91-03/11/91	0	1	
PECO0015	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/23/90-03/18/92	2	9	
PECO0016	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/23/90-03/18/92	2	9	
PECO0017	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/23/90-03/18/92	2	8	
PECO0018	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/15/91-03/16/91	0	13	
PECO0019	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/67-11/16/70	3	14	
PECO0020	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/17/81-02/28/88	6	8	
PECO0023	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/86-09/06/90	4	8	
PECO0024	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/17/81-11/24/81	0	3	
PECO0025	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/21/67-09/14/70	3	14	
PECO0027	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/31/87-03/31/87	0	1	
PECO0029	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/12/87-02/28/88	0	2	
PECO0031	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-04/26/87	6	9	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0032	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-11/24/81	0	8	
PECO0039	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-03/18/92	11	24	
PECO0040	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/86-05/01/92	5	27	
PECO0041	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/23/90-03/18/92	2	12	
PECO0042	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/12/90-03/18/92	1	10	
PECO0044	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/12/90-03/18/92	1	8	
PECO0045	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-03/18/92	11	30	
PECO0047	No	01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-05/01/92	11	26	
PECO0049	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/31/87-03/25/88	0	4	
PECO0050	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/20/73-09/27/82	8	19	
PECO0051	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/67-11/16/70	3	14	
PECO0053	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/86-03/18/91	4	9	
PECO0011	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/04/80-12/04/80	0	1	
PECO0013	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	1	9	
PECO0014	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/11/91-03/11/91	0	1	
PECO0015	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	1	9	
PECO0016	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	1	9	
PECO0017	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	1	9	
PECO0023	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-09/06/90	0	1	
PECO0026	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/74-06/28/74	0	1	
PECO0031	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/04/80-12/04/80	0	1	
PECO0039	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/04/80-03/18/92	11	8	
PECO0040	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	1	12	
PECO0041	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	1	10	
PECO0042	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	1	10	
PECO0044	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	1	7	
PECO0045	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/04/80-03/18/92	11	11	
PECO0047	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	1	10	
PECO0050	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/15/69-03/27/92	22	37	S
PECO0053	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/28/91-08/07/91	0	3	
PECO0011	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/04/80-12/04/80	0	1	
PECO0013	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	1	8	
PECO0014	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/11/91-03/11/91	0	1	
PECO0015	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	1	8	
PECO0016	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	1	8	
PECO0017	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	1	8	
PECO0031	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/04/80-12/04/80	0	1	
PECO0039	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/04/80-03/18/92	11	7	
PECO0040	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	1	11	
PECO0041	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	1	9	
PECO0042	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	1	9	
PECO0044	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/18/91-03/18/92	1	6	
PECO0045	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/04/80-03/18/92	11	10	
PECO0047	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/04/80-03/18/92	11	10	
PECO0050	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/15/69-03/27/92	22	35	
PECO0053	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-08/07/91	0	3	
PECO0011	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-02/28/88	7	15	
PECO0013	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	1	6	
PECO0014	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	03/11/91-03/11/91	0	1	
PECO0015	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	1	5	
PECO0016	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	1	5	
PECO0017	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	1	5	
PECO0018	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	03/15/91-03/16/91	0	13	
PECO0020	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/17/81-02/28/88	6	8	
PECO0023	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/20/86-02/28/88	1	7	
PECO0024	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/17/81-11/24/81	0	3	
PECO0027	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	03/31/87-03/31/87	0	1	
PECO0029	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	10/12/87-02/28/88	0	2	
PECO0031	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-04/26/87	6	9	
PECO0032	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-11/24/81	0	8	
PECO0039	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-03/18/92	11	21	
PECO0040	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/20/86-05/01/92	5	21	
PECO0041	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	1	7	
PECO0042	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	1	7	
PECO0044	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	03/18/91-03/18/92	1	5	
PECO0045	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-03/18/92	11	24	
PECO0047	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-05/01/92	11	19	
PECO0049	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/30/87-03/25/88	1	6	
PECO0053	No	01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/20/86-03/18/91	4	10	
PECO0013	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	1	9	
PECO0014	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/11/91-03/11/91	0	1	
PECO0015	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	1	9	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0016	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	1	9	
PECO0017	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	1	9	
PECO0023	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-09/06/90	0	1	
PECO0039	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	1	7	
PECO0040	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	1	12	
PECO0041	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	1	10	
PECO0042	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	1	10	
PECO0044	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	1	7	
PECO0045	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	1	10	
PECO0047	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	1	10	
PECO0050	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/15/69-03/27/92	22	29	
PECO0053	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	02/28/91-08/07/91	0	3	
PECO0011	No	01067	NICKEL, TOTAL (UG/L AS NI)	08/17/86-02/28/88	1	7	
PECO0013	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/23/90-03/18/92	2	11	
PECO0014	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/11/91-03/11/91	0	1	
PECO0015	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/12/90-03/18/92	1	8	
PECO0016	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/23/90-03/18/92	2	9	
PECO0017	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/23/90-03/18/92	2	8	
PECO0018	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/15/91-03/16/91	0	13	
PECO0020	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/26/87-02/28/88	0	5	
PECO0023	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/20/86-09/06/90	4	8	
PECO0027	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/31/87-03/31/87	0	1	
PECO0029	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/12/87-02/28/88	0	2	
PECO0031	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/26/87-04/26/87	0	1	
PECO0039	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/20/86-03/18/92	5	17	
PECO0040	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/20/86-05/01/92	5	28	
PECO0041	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/23/90-03/18/92	2	12	
PECO0042	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/06/90-03/18/92	1	8	
PECO0044	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/12/90-03/18/92	1	8	
PECO0045	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/20/86-03/18/92	5	23	
PECO0047	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/12/87-05/01/92	4	18	
PECO0049	No	01067	NICKEL, TOTAL (UG/L AS NI)	01/30/87-03/25/88	1	6	
PECO0053	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/20/86-03/18/91	4	10	
PECO0001	Yes	01075	SILVER, DISSOLVED (UG/L AS AG)	10/17/89-10/17/89	0	1	
PECO0006	No	01075	SILVER, DISSOLVED (UG/L AS AG)	06/28/90-06/28/90	0	1	
PECO0008	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/17/89-06/28/90	0	2	
PECO0011	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/30/80-12/04/80	0	2	
PECO0013	No	01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	1	9	
PECO0014	No	01075	SILVER, DISSOLVED (UG/L AS AG)	03/11/91-03/11/91	0	1	
PECO0015	No	01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	1	9	
PECO0016	No	01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	1	9	
PECO0017	No	01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	1	9	
PECO0023	No	01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-09/06/90	0	1	
PECO0026	No	01075	SILVER, DISSOLVED (UG/L AS AG)	06/28/74-06/28/74	0	1	
PECO0031	No	01075	SILVER, DISSOLVED (UG/L AS AG)	12/04/80-12/04/80	0	1	
PECO0039	No	01075	SILVER, DISSOLVED (UG/L AS AG)	12/04/80-03/18/92	11	8	
PECO0040	No	01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	1	12	
PECO0041	No	01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	1	10	
PECO0042	No	01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	1	10	
PECO0044	No	01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	1	7	
PECO0045	No	01075	SILVER, DISSOLVED (UG/L AS AG)	12/04/80-03/18/92	11	11	
PECO0047	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/30/80-03/18/92	11	12	
PECO0050	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/15/69-03/27/92	22	36	S
PECO0053	No	01075	SILVER, DISSOLVED (UG/L AS AG)	02/28/91-08/07/91	0	3	
PECO0050	No	01076	SILVER, SUSPENDED (UG/L AS AG)	03/27/80-08/26/81	1	4	
PECO0001	Yes	01077	SILVER, TOTAL (UG/L AS AG)	10/17/89-10/17/89	0	1	
PECO0008	No	01077	SILVER, TOTAL (UG/L AS AG)	10/17/89-10/17/89	0	1	
PECO0011	No	01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-02/28/88	7	15	
PECO0013	No	01077	SILVER, TOTAL (UG/L AS AG)	01/23/90-03/18/92	2	11	
PECO0014	No	01077	SILVER, TOTAL (UG/L AS AG)	03/11/91-03/11/91	0	1	
PECO0015	No	01077	SILVER, TOTAL (UG/L AS AG)	01/23/90-03/18/92	2	9	
PECO0016	No	01077	SILVER, TOTAL (UG/L AS AG)	01/23/90-03/18/92	2	9	
PECO0017	No	01077	SILVER, TOTAL (UG/L AS AG)	01/23/90-03/18/92	2	8	
PECO0018	No	01077	SILVER, TOTAL (UG/L AS AG)	03/15/91-03/16/91	0	13	
PECO0020	No	01077	SILVER, TOTAL (UG/L AS AG)	08/17/81-02/28/88	6	8	
PECO0023	No	01077	SILVER, TOTAL (UG/L AS AG)	04/05/86-09/06/90	4	11	
PECO0024	No	01077	SILVER, TOTAL (UG/L AS AG)	08/17/81-11/24/81	0	3	
PECO0027	No	01077	SILVER, TOTAL (UG/L AS AG)	03/31/87-03/31/87	0	1	
PECO0029	No	01077	SILVER, TOTAL (UG/L AS AG)	10/12/87-09/27/89	1	3	
PECO0030	No	01077	SILVER, TOTAL (UG/L AS AG)	09/27/89-09/27/89	0	1	
PECO0031	No	01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-04/26/87	6	8	
PECO0032	No	01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-11/24/81	0	7	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0039	No	01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-03/18/92	11	26	
PECO0040	No	01077	SILVER, TOTAL (UG/L AS AG)	07/20/86-05/01/92	5	28	
PECO0041	No	01077	SILVER, TOTAL (UG/L AS AG)	01/23/90-03/18/92	2	12	
PECO0042	No	01077	SILVER, TOTAL (UG/L AS AG)	04/12/90-03/18/92	1	10	
PECO0044	No	01077	SILVER, TOTAL (UG/L AS AG)	04/12/90-03/18/92	1	8	
PECO0045	No	01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-03/18/92	11	30	
PECO0047	No	01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-05/01/92	11	25	
PECO0049	No	01077	SILVER, TOTAL (UG/L AS AG)	01/30/87-03/25/88	1	8	
PECO0050	No	01077	SILVER, TOTAL (UG/L AS AG)	11/20/73-09/27/82	8	19	
PECO0053	No	01077	SILVER, TOTAL (UG/L AS AG)	04/05/86-03/18/91	4	11	
PECO0013	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	1	8	
PECO0014	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/11/91-03/11/91	0	1	
PECO0015	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	1	8	
PECO0016	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	1	8	
PECO0017	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	1	8	
PECO0039	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	1	6	
PECO0040	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	1	11	
PECO0041	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	1	9	
PECO0042	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	1	9	
PECO0044	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/18/91-03/18/92	1	6	
PECO0045	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	1	9	
PECO0047	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	1	9	
PECO0050	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	10/15/69-03/27/92	22	36	
PECO0053	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-08/07/91	0	3	
PECO0013	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	1	6	
PECO0014	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	03/11/91-03/11/91	0	1	
PECO0015	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	1	5	
PECO0016	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	1	5	
PECO0017	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	1	5	
PECO0018	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	03/15/91-03/16/91	0	13	
PECO0039	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	1	4	
PECO0040	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-05/01/92	1	12	
PECO0041	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	1	7	
PECO0042	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	1	7	
PECO0044	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	03/18/91-03/18/92	1	5	
PECO0045	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	1	7	
PECO0047	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-05/01/92	1	8	
PECO0053	No	01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/91	0	2	
PECO0013	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	1	8	
PECO0014	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	03/11/91-03/11/91	0	1	
PECO0015	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	1	8	
PECO0016	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	1	8	
PECO0017	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	1	8	
PECO0039	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	1	6	
PECO0040	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	1	11	
PECO0041	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	1	9	
PECO0042	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	1	9	
PECO0044	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	03/18/91-03/18/92	1	6	
PECO0045	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	1	9	
PECO0047	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	1	9	
PECO0050	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	10/15/69-03/27/92	22	35	
PECO0053	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-08/07/91	0	3	
PECO0013	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	1	8	
PECO0014	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	03/11/91-03/11/91	0	1	
PECO0015	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	1	8	
PECO0016	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	1	8	
PECO0017	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	1	8	
PECO0039	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	1	6	
PECO0040	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	1	11	
PECO0041	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	1	9	
PECO0042	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	1	9	
PECO0044	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	03/18/91-03/18/92	1	6	
PECO0045	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	1	9	
PECO0047	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	1	9	
PECO0053	No	01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-08/07/91	0	3	
PECO0011	No	01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-06/26/81	0	2	
PECO0031	No	01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-06/26/81	0	2	
PECO0032	No	01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-11/24/81	0	3	
PECO0039	No	01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-11/24/81	0	3	
PECO0045	No	01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-06/26/81	0	2	
PECO0047	No	01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-11/24/81	0	3	
PECO0011	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/80-12/04/80	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0013	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	1	9	
PECO0014	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	03/11/91-03/11/91	0	1	
PECO0015	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	1	9	
PECO0016	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	1	9	
PECO0017	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	1	9	
PECO0023	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-09/06/90	0	1	
PECO0026	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/74-06/28/74	0	1	
PECO0031	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/80-12/04/80	0	1	
PECO0039	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/80-03/18/92	11	8	
PECO0040	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	1	12	
PECO0041	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	1	10	
PECO0042	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	1	10	
PECO0044	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	1	7	
PECO0045	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/80-03/18/92	11	11	
PECO0047	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/80-03/18/92	11	11	
PECO0050	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	11/09/66-08/26/91	24	35	
PECO0053	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	02/28/91-08/07/91	0	3	
PECO0050	No	01091	ZINC, SUSPENDED (UG/L ZN)	09/11/80-09/27/82	2	4	
PECO0011	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-02/28/88	7	15	
PECO0013	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/23/90-03/18/92	2	11	
PECO0014	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/11/91-03/11/91	0	1	
PECO0015	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/23/90-03/18/92	2	9	
PECO0016	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/23/90-03/18/92	2	9	
PECO0017	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/23/90-03/18/92	2	8	
PECO0018	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/15/91-03/16/91	0	13	
PECO0020	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/17/81-02/28/88	6	8	
PECO0023	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/20/86-09/06/90	4	8	
PECO0024	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/17/81-11/24/81	0	3	
PECO0027	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/31/87-03/31/87	0	1	
PECO0029	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/12/87-02/28/88	0	2	
PECO0031	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-04/26/87	6	9	
PECO0032	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-11/24/81	0	8	
PECO0039	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-03/18/92	11	26	
PECO0040	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/20/86-05/01/92	5	28	
PECO0041	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/23/90-03/18/92	2	12	
PECO0042	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/12/90-03/18/92	1	10	
PECO0044	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/12/90-03/18/92	1	8	
PECO0045	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-03/18/92	11	31	
PECO0047	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-05/01/92	11	26	
PECO0049	No	01092	ZINC, TOTAL (UG/L AS ZN)	01/30/87-03/25/88	1	6	
PECO0050	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/20/73-09/27/82	8	19	
PECO0053	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/20/86-03/18/91	4	10	
PECO0013	No	01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	1	8	
PECO0014	No	01100	TIN, DISSOLVED (UG/L AS SN)	03/11/91-03/11/91	0	1	
PECO0015	No	01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	1	8	
PECO0016	No	01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	1	8	
PECO0017	No	01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	1	8	
PECO0039	No	01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	1	6	
PECO0040	No	01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	1	11	
PECO0041	No	01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	1	9	
PECO0042	No	01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	1	9	
PECO0044	No	01100	TIN, DISSOLVED (UG/L AS SN)	03/18/91-03/18/92	1	6	
PECO0045	No	01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	1	9	
PECO0047	No	01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	1	9	
PECO0050	No	01100	TIN, DISSOLVED (UG/L AS SN)	10/15/69-10/15/69	0	1	
PECO0053	No	01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-08/07/91	0	3	
PECO0013	No	01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	1	6	
PECO0014	No	01102	TIN, TOTAL (UG/L AS SN)	03/11/91-03/11/91	0	1	
PECO0015	No	01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	1	5	
PECO0016	No	01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	1	5	
PECO0017	No	01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	1	5	
PECO0018	No	01102	TIN, TOTAL (UG/L AS SN)	03/15/91-03/16/91	0	13	
PECO0039	No	01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	1	4	
PECO0040	No	01102	TIN, TOTAL (UG/L AS SN)	02/28/91-05/01/92	1	12	
PECO0041	No	01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	1	7	
PECO0042	No	01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	1	7	
PECO0044	No	01102	TIN, TOTAL (UG/L AS SN)	03/18/91-03/18/92	1	5	
PECO0045	No	01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	1	7	
PECO0047	No	01102	TIN, TOTAL (UG/L AS SN)	02/28/91-05/01/92	1	8	
PECO0053	No	01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/91	0	2	
PECO0013	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-03/18/92	2	11	
PECO0014	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/11/91-03/11/91	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0015	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/12/90-03/18/92	1	8	
PECO0016	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/12/90-03/18/92	1	8	
PECO0017	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/12/90-03/18/92	1	7	
PECO0018	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/15/91-03/16/91	0	13	
PECO0023	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/06/90-09/06/90	0	1	
PECO0029	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/27/89-09/27/89	0	1	
PECO0030	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	09/27/89-09/27/89	0	1	
PECO0039	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-03/18/92	2	9	
PECO0040	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-05/01/92	2	17	
PECO0041	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-03/18/92	2	12	
PECO0042	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/12/90-03/18/92	1	10	
PECO0044	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	04/12/90-03/18/92	1	8	
PECO0045	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-03/18/92	2	12	
PECO0047	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-05/01/92	2	13	
PECO0053	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	02/28/91-03/18/91	0	2	
PECO0013	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	1	9	
PECO0014	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/11/91-03/11/91	0	1	
PECO0015	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	1	9	
PECO0016	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	1	9	
PECO0017	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	1	9	
PECO0023	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-09/06/90	0	1	
PECO0039	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	1	7	
PECO0040	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	1	12	
PECO0041	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	1	10	
PECO0042	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	1	10	
PECO0044	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	1	7	
PECO0045	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	1	10	
PECO0047	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	1	10	
PECO0050	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/15/69-03/27/92	22	29	
PECO0053	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	02/28/91-08/07/91	0	3	
PECO0050	No	01125	GERMANIUM, DISSOLVED (UG/L AS GE)	10/15/69-10/15/69	0	1	
PECO0050	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/15/69-03/27/92	22	35	
PECO0013	No	01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	1	8	
PECO0014	No	01140	SILICON, DISSOLVED (UG/L AS SI)	03/11/91-03/11/91	0	1	
PECO0015	No	01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	1	8	
PECO0016	No	01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	1	8	
PECO0017	No	01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	1	8	
PECO0039	No	01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	1	6	
PECO0040	No	01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	1	11	
PECO0041	No	01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	1	9	
PECO0042	No	01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	1	9	
PECO0044	No	01140	SILICON, DISSOLVED (UG/L AS SI)	03/18/91-03/18/92	1	6	
PECO0045	No	01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	1	9	
PECO0047	No	01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	1	9	
PECO0053	No	01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-08/07/91	0	3	
PECO0013	No	01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	1	6	
PECO0014	No	01142	SILICON, TOTAL (UG/L AS SI)	03/11/91-03/11/91	0	1	
PECO0015	No	01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	1	5	
PECO0016	No	01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	1	5	
PECO0017	No	01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	1	5	
PECO0018	No	01142	SILICON, TOTAL (UG/L AS SI)	03/15/91-03/16/91	0	13	
PECO0039	No	01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	1	4	
PECO0040	No	01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-05/01/92	1	12	
PECO0041	No	01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	1	7	
PECO0042	No	01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	1	7	
PECO0044	No	01142	SILICON, TOTAL (UG/L AS SI)	03/18/91-03/18/92	1	5	
PECO0045	No	01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	1	7	
PECO0047	No	01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-05/01/92	1	8	
PECO0053	No	01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/91	0	2	
PECO0001	Yes	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/17/89-10/17/89	0	1	
PECO0006	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/28/90-06/28/90	0	1	
PECO0008	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/17/89-06/28/90	0	2	
PECO0011	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/30/80-12/04/80	0	2	
PECO0013	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	1	9	
PECO0014	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/11/91-03/11/91	0	1	
PECO0015	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	1	9	
PECO0016	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	1	9	
PECO0017	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	1	9	
PECO0023	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-09/06/90	0	1	
PECO0026	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/28/74-06/28/74	0	1	
PECO0031	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/04/80-12/04/80	0	1	
PECO0039	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/04/80-03/18/92	11	8	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0040	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	1	12	
PECO0041	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	1	10	
PECO0042	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	1	10	
PECO0044	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	1	7	
PECO0045	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/04/80-03/18/92	11	11	
PECO0047	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/30/80-03/18/92	11	12	
PECO0050	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/02/72-03/27/92	19	35	S
PECO0053	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/28/91-08/07/91	0	3	
PECO0050	No	01146	SELENIUM, SUSPENDED (UG/L AS SE)	03/27/80-08/26/81	1	4	
PECO0001	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	10/17/89-10/17/89	0	1	
PECO0008	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/17/89-10/17/89	0	1	
PECO0011	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-02/28/88	7	16	
PECO0013	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/90-03/18/92	2	11	
PECO0014	No	01147	SELENIUM, TOTAL (UG/L AS SE)	03/11/91-03/11/91	0	1	
PECO0015	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/90-03/18/92	2	9	
PECO0016	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/90-03/18/92	2	9	
PECO0017	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/90-03/18/92	2	8	
PECO0018	No	01147	SELENIUM, TOTAL (UG/L AS SE)	03/15/91-03/16/91	0	13	
PECO0020	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/17/81-02/28/88	6	8	
PECO0023	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/05/86-09/06/90	4	11	
PECO0024	No	01147	SELENIUM, TOTAL (UG/L AS SE)	08/17/81-11/24/81	0	3	
PECO0027	No	01147	SELENIUM, TOTAL (UG/L AS SE)	03/31/87-03/31/87	0	1	
PECO0029	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/12/87-09/27/89	1	3	
PECO0030	No	01147	SELENIUM, TOTAL (UG/L AS SE)	09/27/89-09/27/89	0	1	
PECO0031	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-04/26/87	6	9	
PECO0032	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-11/24/81	0	8	
PECO0039	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-03/18/92	11	27	
PECO0040	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/20/86-05/01/92	5	28	
PECO0041	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/90-03/18/92	2	12	
PECO0042	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/12/90-03/18/92	1	10	
PECO0044	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/12/90-03/18/92	1	8	
PECO0045	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-03/18/92	11	32	
PECO0047	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-05/01/92	11	25	
PECO0049	No	01147	SELENIUM, TOTAL (UG/L AS SE)	01/30/87-03/25/88	1	8	
PECO0050	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/20/73-09/27/82	8	19	
PECO0053	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/05/86-03/18/91	4	11	
PECO0050	No	01150	TITANIUM, DISSOLVED (UG/L AS TI)	10/15/69-10/15/69	0	1	
PECO0050	No	01515	ALPHA, DISSOLVED GROSS, AS URANIUM-NATURAL, PC/L	10/23/67-11/22/82	15	7	
PECO0050	No	01516	ALPHA, SUSPEND GROSS, AS URANIUM NATURAL, PC/L	10/23/67-09/11/80	12	6	
PECO0050	No	03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	24	29	S
PECO0050	No	03516	BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	24	29	S
PECO0050	No	09511	RADIUM 226, DISSOLVED, RADON METHOD	10/23/67-11/18/91	24	28	S
PECO0050	No	22703	URANIUM, NATURAL, DISSOLVED	10/23/67-11/18/91	24	10	
PECO0011	No	28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	0	2	
PECO0031	No	28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	0	2	
PECO0032	No	28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	0	2	
PECO0039	No	28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	0	2	
PECO0045	No	28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	0	2	
PECO0047	No	28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	0	2	
PECO0054	No	30344	PENTACHLORODIBENZO-P-DIOXIN,12378,FISH,WET WT,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30351	PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30352	HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30355	HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	11/12/86-11/12/86	0	1	
PECO0054	No	30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	11/12/86-11/12/86	0	1	
PECO0019	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/22/69-08/02/71	2	9	
PECO0025	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/02/69-07/30/71	2	10	
PECO0050	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/16/68-09/11/80	11	62	T
PECO0051	No	31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/22/69-05/18/71	1	7	
PECO0050	No	31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	12/28/67-07/17/68	0	7	
PECO0001	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/17/89-10/17/89	0	1	
PECO0005	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/05/72-09/30/76	4	44	
PECO0006	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/28/90-06/28/90	0	1	
PECO0008	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-06/28/90	18	47	T,S

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Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0012	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	5	44	
PECO0019	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/22/69-03/06/72	2	10	
PECO0021	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	5	47	
PECO0025	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/69-07/30/71	2	10	
PECO0026	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/28/74-06/28/74	0	1	
PECO0028	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/11/77-06/26/78	1	3	
PECO0029	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	5	47	
PECO0040	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	5	46	
PECO0050	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/29/69-09/01/76	7	36	
PECO0051	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/22/69-05/18/71	1	7	
PECO0050	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/04/76-06/25/92	15	67	T
PECO0050	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/03/77-06/25/92	15	64	T
PECO0005	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/72-08/10/72	0	4	
PECO0008	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/72-08/01/72	0	3	
PECO0012	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/72-08/01/72	0	3	
PECO0019	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/22/69-08/02/71	2	9	
PECO0021	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/72-08/01/72	0	3	
PECO0025	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/02/69-02/15/72	2	11	
PECO0026	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/28/74-06/28/74	0	1	
PECO0029	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/17/72-08/01/72	0	3	
PECO0040	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/72-08/01/72	0	3	
PECO0050	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/29/69-01/06/77	7	31	
PECO0051	No	31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/22/69-05/18/71	1	7	
PECO0054	No	34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	34685	ENDRIN WET WGTTISMG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	34687	HEPTACHLOR WET WGTTISMG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	34688	HEXACHLOROBENZENE WET WGTTISMG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	11/12/86-11/12/86	0	1	
PECO0019	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/01/68-11/16/70	2	3	
PECO0025	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/03/68-09/14/70	1	3	
PECO0051	No	38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/01/68-11/16/70	2	3	
PECO0054	No	38824	ISOPROPALIN TISWETWGTMG/KG	11/12/86-11/12/86	0	1	
PECO0050	No	39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	09/21/78-09/27/82	4	5	
PECO0054	No	39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	11/12/86-11/12/86	0	1	
PECO0054	No	39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	11/12/86-11/12/86	0	1	
PECO0054	No	39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	11/12/86-11/12/86	0	1	
PECO0050	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/02/87-06/25/92	4	19	
PECO0050	No	39250	NAPTHALENES, POLYCHLORINATED (UG/L)	09/01/76-09/27/82	6	6	
PECO0050	No	39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	08/26/81-09/27/82	1	2	
PECO0054	No	39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	39322	P,P'-DDE IN TISSUE WET WGT MG/KG	11/12/86-11/12/86	0	1	
PECO0050	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	14	13	
PECO0050	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	14	12	
PECO0054	No	39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0050	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	10/23/67-09/27/82	14	13	
PECO0050	No	39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/23/67-09/27/82	14	12	
PECO0054	No	39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0050	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/05/70-09/27/82	11	11	
PECO0050	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/05/70-09/27/82	11	11	
PECO0054	No	39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0050	No	39360	DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	14	13	
PECO0050	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	14	12	
PECO0050	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	14	13	
PECO0050	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	14	12	
PECO0050	No	39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	14	13	
PECO0050	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	14	12	
PECO0050	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	14	13	
PECO0050	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/23/67-09/27/82	14	12	
PECO0050	No	39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	09/14/77-09/27/82	5	6	
PECO0050	No	39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/26/81-09/27/82	1	2	
PECO0050	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	14	13	
PECO0050	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	14	12	
PECO0050	No	39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	09/01/76-09/27/82	6	7	
PECO0050	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/25/74-09/27/82	8	9	
PECO0050	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/25/74-09/27/82	8	9	
PECO0054	No	39404	DIELDRIN IN TISSUE WET WGT (UG/G)	11/12/86-11/12/86	0	1	
PECO0054	No	39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	

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Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0054	No	39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0050	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	14	13	
PECO0050	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	14	12	
PECO0050	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	11	11	
PECO0050	No	39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/05/70-09/27/82	11	11	
PECO0050	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/07/79-09/27/82	3	4	
PECO0050	No	39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	09/07/79-09/27/82	3	4	
PECO0050	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/20/73-09/27/82	8	10	
PECO0050	No	39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/20/73-09/27/82	8	10	
PECO0050	No	39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	11	11	
PECO0050	No	39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/05/70-10/05/70	0	1	
PECO0050	No	39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	11	11	
PECO0050	No	39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/05/70-10/05/70	0	1	
PECO0050	No	39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	11	11	
PECO0050	No	39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/05/70-10/05/70	0	1	
PECO0050	No	39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	11	11	
PECO0050	No	39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/05/70-10/05/70	0	1	
PECO0050	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	10/15/69-09/27/82	12	12	
PECO0050	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	10/15/69-09/27/82	12	12	
PECO0050	No	39755	MIREX, TOTAL (UG/L)	09/21/78-09/27/82	4	5	
PECO0050	No	39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	08/26/81-09/27/82	1	2	
PECO0050	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	10/15/69-09/27/82	12	12	
PECO0054	No	39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	11/12/86-11/12/86	0	1	
PECO0050	No	39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	09/01/76-09/27/82	6	7	
PECO0050	No	39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	09/01/76-09/27/82	6	7	
PECO0054	No	46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	11/12/86-11/12/86	0	1	
PECO0019	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	10/01/68-11/16/70	2	3	
PECO0025	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	10/03/68-09/14/70	1	3	
PECO0051	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	10/01/68-11/16/70	2	3	
PECO0050	No	70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	12/09/70-03/16/71	0	3	
PECO0001	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/89-10/17/89	0	1	
PECO0006	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/28/90-06/28/90	0	1	
PECO0008	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/89-06/28/90	0	2	
PECO0011	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-02/28/88	7	16	
PECO0013	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/23/90-12/08/92	2	15	
PECO0014	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/11/91-03/11/91	0	1	
PECO0015	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/23/90-09/18/92	2	13	
PECO0016	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/23/90-09/18/92	2	13	
PECO0017	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/23/90-09/18/92	2	12	
PECO0018	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/08/92-12/08/92	0	1	
PECO0020	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/17/81-02/28/88	6	8	
PECO0023	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/05/86-09/06/90	4	13	
PECO0024	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/17/81-11/24/81	0	3	
PECO0026	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/28/74-06/28/74	0	1	
PECO0027	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/31/87-03/31/87	0	1	
PECO0029	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/12/87-02/28/88	0	2	
PECO0031	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-04/26/87	6	9	
PECO0032	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/24/81-11/24/81	0	7	
PECO0039	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-03/18/92	11	29	
PECO0040	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/86-09/02/92	6	30	
PECO0041	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/23/90-12/08/92	2	18	
PECO0042	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/90-05/01/92	2	14	
PECO0044	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/08/90-09/02/92	2	9	
PECO0045	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/02/92	11	37	
PECO0047	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/18/92	11	31	
PECO0049	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/30/87-03/25/88	1	7	
PECO0050	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/62-03/27/92	29	153	T,S
PECO0053	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/05/86-08/07/91	5	12	
PECO0002	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/28/95-04/28/95	0	1	
PECO0003	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/28/95-04/28/95	0	1	
PECO0004	Yes	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/28/95-04/28/95	0	1	
PECO0026	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/28/74-06/28/74	0	1	
PECO0050	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/30/67-03/25/86	18	87	T,S
PECO0026	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	06/28/74-06/28/74	0	1	
PECO0050	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	12/23/63-01/19/83	19	97	T,S
PECO0026	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/28/74-06/28/74	0	1	
PECO0050	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/06/62-01/19/83	20	98	T,S
PECO0050	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/07/69-08/26/91	22	34	S
PECO0050	No	70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	05/07/69-05/07/69	0	1	
PECO0050	No	70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	05/07/69-05/07/69	0	1	
PECO0050	No	70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	05/07/69-05/07/69	0	1	
PECO0050	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/05/81-06/25/92	11	9	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0054	No	70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	11/12/86-11/12/86	0	1	
PECO0050	No	71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/06/80-01/08/81	0	2	
PECO0050	No	71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/05/70-05/28/86	15	19	
PECO0050	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/06/62-03/22/73	10	58	T
PECO0050	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/05/70-03/22/73	2	4	
PECO0050	No	71870	BROMIDE (MG/L AS BR)	06/20/91-06/20/91	0	1	
PECO0019	No	71875	HYDROGEN SULFIDE (MG/L)	10/01/68-11/16/70	2	3	
PECO0025	No	71875	HYDROGEN SULFIDE (MG/L)	10/03/68-09/14/70	1	3	
PECO0051	No	71875	HYDROGEN SULFIDE (MG/L)	10/01/68-11/16/70	2	3	
PECO0050	No	71885	IRON (UG/L AS FE)	12/23/63-09/20/67	3	31	
PECO0050	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/27/68-05/28/86	17	35	
PECO0050	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	03/22/73-01/25/82	8	8	
PECO0001	Yes	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/17/89-10/17/89	0	1	
PECO0006	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	06/28/90-06/28/90	0	1	
PECO0008	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/17/89-06/28/90	0	2	
PECO0011	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/30/80-12/04/80	0	2	
PECO0013	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	1	9	
PECO0014	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	03/11/91-03/11/91	0	1	
PECO0015	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	1	9	
PECO0016	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	1	9	
PECO0017	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	1	9	
PECO0023	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-09/06/90	0	1	
PECO0031	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/04/80-12/04/80	0	1	
PECO0039	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/04/80-03/18/92	11	8	
PECO0040	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	1	12	
PECO0041	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	1	10	
PECO0042	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	1	10	
PECO0044	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	1	7	
PECO0045	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/04/80-03/18/92	11	11	
PECO0047	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/30/80-03/18/92	11	12	
PECO0050	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	03/27/80-08/26/91	11	29	
PECO0053	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	02/28/91-08/07/91	0	3	
PECO0050	No	71895	MERCURY, SUSPENDED (UG/L AS HG)	03/27/80-08/26/81	1	4	
PECO0001	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	10/17/89-10/17/89	0	1	
PECO0008	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/17/89-10/17/89	0	1	
PECO0011	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-02/28/88	7	16	
PECO0013	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/23/90-03/18/92	2	11	
PECO0014	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/11/91-03/11/91	0	1	
PECO0015	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/23/90-03/18/92	2	9	
PECO0016	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/23/90-03/18/92	2	9	
PECO0017	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/23/90-03/18/92	2	8	
PECO0018	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/15/91-03/16/91	0	13	
PECO0020	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/17/81-02/28/88	6	8	
PECO0023	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/05/86-09/06/90	4	11	
PECO0024	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/17/81-11/24/81	0	3	
PECO0026	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/28/74-06/28/74	0	1	
PECO0027	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/31/87-03/31/87	0	1	
PECO0029	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/12/87-09/27/89	1	3	
PECO0030	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/27/89-09/27/89	0	1	
PECO0031	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-04/26/87	6	9	
PECO0032	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-11/24/81	0	8	
PECO0039	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-03/18/92	11	27	
PECO0040	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/20/86-05/01/92	5	28	
PECO0041	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/23/90-03/18/92	2	12	
PECO0042	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/12/90-03/18/92	1	10	
PECO0044	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/12/90-03/18/92	1	8	
PECO0045	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-03/18/92	11	32	
PECO0047	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-05/01/92	11	26	
PECO0049	No	71900	MERCURY, TOTAL (UG/L AS HG)	01/30/87-03/25/88	1	8	
PECO0050	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-09/27/82	10	20	
PECO0053	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/05/86-03/18/91	4	11	
PECO0054	No	71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	11/12/86-11/12/86	0	1	
PECO0028	No	74010	IRON, TOTAL (MG/L AS FE)	03/17/77-06/26/78	1	2	
PECO0050	No	75986	ALPHA GROSS,1 SIGMA PRC EST AS NAT U,DISS,WTR UG/L	05/25/89-11/18/91	2	6	
PECO0050	No	75987	ALPHA GROSS,DISS,1 SIGMA PRC EST AS TH230,WTR PC/L	05/25/89-11/18/91	2	6	
PECO0050	No	75988	BETA GROSS,DISS,1 SIGMA PRC EST AS SR90/Y90 PC/L	05/25/89-11/18/91	2	6	
PECO0050	No	75989	BETA GROSS,1 SIGMA PRC EST AS CS-137,DISS,WTR PC/L	05/25/89-11/18/91	2	6	
PECO0050	No	75990	URANIUM,NATURAL,1 SIGMA PRC EST,DISS,WATER UG/L	05/22/90-11/18/91	1	4	
PECO0050	No	76001	RADIUM 226,1 SIGMA PRC EST,DISSOLVED,WATER PC/L	05/22/90-11/18/91	1	4	
PECO0050	No	76004	ALPHA GROSS,SUSP,1 SIGMA PRC EST AS TH230,WTR PC/L	05/25/89-11/18/91	2	6	
PECO0050	No	76005	BETA GROSS,SUSP,1 SIGMA PRC EST AS SR90/Y90 PC/L	05/25/89-11/18/91	2	6	
PECO0054	No	76530	BIPHENYL TISSUE ,WET WGT,MG/KG	11/12/86-11/12/86	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0054	No	78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	11/12/86-11/12/86	0	1	
PECO0050	No	80020	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	04/18/69-05/27/87	18	18	
PECO0050	No	80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/23/67-11/18/91	24	29	S
PECO0050	No	80040	ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/23/67-11/18/91	24	29	S
PECO0050	No	80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	24	29	S
PECO0050	No	80060	BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	24	29	S
PECO0050	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	24	249	T,A,S
PECO0050	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	15	215	A
PECO0054	No	81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	11/12/86-11/12/86	0	1	
PECO0054	No	81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	11/12/86-11/12/86	0	1	
PECO0054	No	81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	11/12/86-11/12/86	0	1	
PECO0050	No	81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	08/26/81-09/27/82	1	2	
PECO0054	No	82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	11/12/86-11/12/86	0	1	
PECO0013	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	1	8	
PECO0014	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	03/11/91-03/11/91	0	1	
PECO0015	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	1	8	
PECO0016	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	1	8	
PECO0017	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	1	8	
PECO0039	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	1	6	
PECO0040	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	1	11	
PECO0041	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	1	9	
PECO0042	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	1	9	
PECO0044	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	03/18/91-03/18/92	1	6	
PECO0045	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	1	9	
PECO0047	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	1	9	
PECO0053	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-08/07/91	0	3	
PECO0013	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	1	8	
PECO0014	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	03/11/91-03/11/91	0	1	
PECO0015	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	1	8	
PECO0016	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	1	8	
PECO0017	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	1	8	
PECO0039	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	1	6	
PECO0040	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	1	11	
PECO0041	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	1	9	
PECO0042	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	1	9	
PECO0044	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	03/18/91-03/18/92	1	6	
PECO0045	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	1	9	
PECO0047	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	03/18/91-03/18/92	1	8	
PECO0053	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-08/07/91	0	3	
PECO0050	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	01/08/81-06/25/81	0	4	
PECO0001	Yes	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/17/89-10/17/89	0	1	
PECO0006	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/28/90-06/28/90	0	1	
PECO0008	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/17/89-06/28/90	0	2	
PECO0011	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/05/86-02/28/88	1	7	
PECO0013	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/90-12/05/91	1	10	
PECO0014	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/11/91-03/11/91	0	1	
PECO0015	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/90-12/05/91	1	10	
PECO0016	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/90-12/05/91	1	10	
PECO0017	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/90-12/05/91	1	9	
PECO0020	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/26/87-02/28/88	0	3	
PECO0023	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/05/86-09/06/90	4	12	
PECO0029	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/12/87-02/28/88	0	2	
PECO0031	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/26/87-04/26/87	0	1	
PECO0039	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/05/86-12/05/91	5	17	
PECO0040	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/20/86-12/05/91	5	19	
PECO0041	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/90-12/05/91	1	12	
PECO0042	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	09/06/90-12/05/91	1	9	
PECO0044	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	09/06/90-10/07/91	1	6	
PECO0045	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/05/86-12/05/91	5	20	
PECO0047	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/12/87-12/05/91	4	14	
PECO0053	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/05/86-08/07/91	5	11	
PECO0006	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/28/90-06/28/90	0	1	
PECO0008	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/28/90-06/28/90	0	1	
PECO0013	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-12/08/92	2	12	
PECO0014	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/11/91-03/11/91	0	1	
PECO0015	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-09/18/92	2	11	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 11/06/62 To 04/28/95

Station	In Park	Code	Name	Start - End	Years	Obs	Plots[1]
PECO0016	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-09/18/92	2	11	
PECO0017	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-09/18/92	2	11	
PECO0018	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/08/92-12/08/92	0	1	
PECO0023	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/06/90-09/06/90	0	1	
PECO0039	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-03/18/92	2	9	
PECO0040	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/12/88-09/02/92	4	19	
PECO0041	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-12/08/92	2	15	
PECO0042	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/06/90-05/01/92	1	12	
PECO0044	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/18/91-09/02/92	1	7	
PECO0045	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/12/88-09/02/92	4	17	
PECO0047	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/12/88-09/18/92	4	18	
PECO0053	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/28/91-08/07/91	0	3	
PECO0050	No	82086	SULFUR-34/SULFUR-32 STABLE ISOTOPE RATIO PER MIL	06/20/91-06/20/91	0	1	
PECO0050	No	82183	2,4-DP (DICHLORPROP) TOTAL UG/L	08/26/81-09/27/82	1	2	
PECO0054	No	85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	85682	NITROFEN TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	85683	PERTHANE TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	
PECO0054	No	85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	0	1	

[1]T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station-By-Station Results

Station Inventory for Station: PECO0001

NPS Station ID: PECO0001 LAT/LON: 35.523892/-105.660004 Agency: 21NMEX Date Created: 03/23/91
Location: PECOS RIVER NR ROWE AT OLD COLONIAS ROAD FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): UPR213.005535 /UPR213005535/PECOS30
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 13060001 Depth of Water: 0 Aquifer:
Major Basin: WESTERN GULF Elevation: 2048 Water Body Id:
Minor Basin: PECOS RIVER ECO Region: 22G
RF1 Index: 13060001 RF1 Mile Point: 0.000 Distance from RF1: 1.10 On/Off RF1:
RF3 Index: 13060001002003.07 RF3 Mile Point: 3.06 Distance from RF3: 0.02 On/Off RF3:
Description:
STA. AT BRIDGE ON OLD COLONIAS RD. RD ABANDONED.

Parameter Inventory for Station: PECO0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/17/89-10/17/89	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/17/89-10/17/89	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/17/89-10/17/89	1	138.	138.	138.	138.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/17/89-10/17/89	1	186.	186.	186.	186.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/17/89-10/17/89	1	9.9	9.9	9.9	9.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/17/89-10/17/89	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/17/89-10/17/89	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/17/89-10/17/89	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/89-10/17/89	1	94.	94.	94.	94.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/17/89-10/17/89	1	114.	114.	114.	114.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/17/89-10/17/89	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/17/89-10/17/89	1 ##	0.105	0.105	0.105	0.105	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/17/89-10/17/89	1 ##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/17/89-10/17/89	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/17/89-10/17/89	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/89-10/17/89	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	10/17/89-10/17/89	1 ##	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/17/89-10/17/89	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/17/89-10/17/89	1	135.	135.	135.	135.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/17/89-10/17/89	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/89-10/17/89	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/17/89-10/17/89	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/89-10/17/89	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/17/89-10/17/89	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	10/17/89-10/17/89	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/17/89-10/17/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/17/89-10/17/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/17/89-10/17/89	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

Parameter Inventory for Station: PECO0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01077	SILVER, TOTAL (UG/L AS AG)	10/17/89-10/17/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/17/89-10/17/89	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	10/17/89-10/17/89	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/89-10/17/89	1	112.	112.	112.	112.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/17/89-10/17/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/17/89-10/17/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/17/89-10/17/89	1	5.8	5.8	5.8	5.8	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 time series plot

EPA Water Quality Criteria Analysis for Station: PECO0001

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	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						
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.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	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						
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						
01030	CHROMIUM, DISSOLVED	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						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	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						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	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						
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						
82078	TURBIDITY, FIELD	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: PECO0002

NPS Station ID: PECO0002 | LAT/LON: 35.524087/-105.659893 | Agency: 11NPSWRD | Date Created: 07/15/95
Location: PECOS RIVER AT COLONIAS BRIDGE | FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): PECO_CB
RMI-Indexes: | Within Park Boundary: Yes
RMI-Miles:
HUC: 13060001 | Depth of Water: 0 | Aquifer:
Major Basin: WESTERN GULF | Elevation: 6780 | Water Body Id:
Minor Basin: UPPER PECOS RIVER | ECO Region:
RF1 Index: 13060001 | RF1 Mile Point: 0.000 | Distance from RF1: 0.00 | On/Off RF1:
RF3 Index: 13020201001129.38 | RF3 Mile Point: 29.76 | Distance from RF3: 0.45 | On/Off RF3:
Description:
SITE IS LOCATED ON THE PECOS RIVER DOWNSTREAM OF THE CONFLUENCE OF THE PECOS RIVER AND GLORIETA CREEK AT THE OLD COLONIAS BRIDGE IN PECOS NATIONAL HISTORIC PARK. STATION IS THE RESPONSIBILITY OF BOBBI SIMPSON AT PECOS NATIONAL HISTORICAL PARK. THE MAILING ADDRESS IS P.O. DRAWER 418 PECOS NM 87522. THE TELEPHONE NUMBER IS 505-757-2611.

Parameter Inventory for Station: PECO0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/94-04/28/95	16	7.05	9.012	23.5	0.2	53.918	7.343	0.34	4.6	13.375	22.45
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	04/28/95-04/28/95	1	66.	66.	66.	66.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/94-04/28/95	16	234.	223.563	293.	115.	1918.529	43.801	151.4	198.	257.75	272.7
00300	OXYGEN, DISSOLVED MG/L	01/31/94-04/28/95	16	9.95	9.763	12.	6.	3.167	1.779	6.7	8.475	11.5	11.93
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/94-04/28/95	16	103.15	102.375	113.2	93.5	27.297	5.225	94.27	97.95	106.175	108.86
00400	PH (STANDARD UNITS)	01/31/94-04/28/95	15	8.5	8.506	9.06	7.76	0.197	0.444	7.79	8.07	9.	9.024
00400	CONVERTED PH (STANDARD UNITS)	01/31/94-04/28/95	15	8.5	8.294	9.06	7.76	0.245	0.495	7.79	8.07	9.	9.024
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/94-04/28/95	15	0.003	0.005	0.017	0.001	0.	0.005	0.001	0.001	0.009	0.016
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/28/95-04/28/95	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: PECO0002

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	3	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00
00400	PH	Other-Hi Lim.	9.	15	4	0.27	3	2	0.67	7	1	0.14	3	1	0.33	2	0	0.00
		Other-Lo Lim.	6.5	15	0	0.00	3	0	0.00	7	0	0.00	3	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: PECO0003[1]

NPS Station ID: PECO0003
LAT/LON: 35.534337/-105.668616
Agency: 11NPSWRD
Date Created: 07/15/95
Location: GLORIETA CREEK
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): PECO_GC
RMI-Indexes:
Within Park Boundary: Yes
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 6780
Water Body Id:
Minor Basin: UPPER PECOS RIVER
ECO Region:
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 13020201001129.38
RF3 Mile Point: 29.76
Distance from RF3: 0.45
On/Off RF3:
Description:
SITE IS LOCATED ON GLORIETA CREEK APPROXIMATELY 1/4 MILE UPSTREAM OF THE CONFLUENCE OF THE PECOS RIVER AND GLORIETA CREEK IN PECOS NATIONAL HISTORICAL PARK. STATION IS THE RESPONSIBILITY OF BOBBI SIMPSON AT PECOS NATIONAL HISTORICAL PARK. THE MAILING ADDRESS IS P.O. DRAWER 418 PECOS NM 87522. THE TELEPHONE NUMBER IS 505-757-2611.

Parameter Inventory for Station: PECO0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/94-04/28/95	16	10.5	12.644	29.1	0.6	81.127	9.007	0.74	6.525	19.625	26.79
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/94-04/28/95	16	684.5	640.938	788.	408.	13404.863	115.779	435.3	550.	722.75	776.1
00300	OXYGEN, DISSOLVED MG/L	01/31/94-04/28/95	16	9.55	9.5	12.4	6.6	2.879	1.697	6.74	8.275	10.6	11.91
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/94-04/28/95	16	106.9	108.531	129.1	94.1	109.616	10.47	96.13	101.25	113.075	128.68
00400	PH (STANDARD UNITS)	01/31/94-04/28/95	15	8.43	8.434	8.81	8.06	0.031	0.177	8.156	8.33	8.56	8.672
00400	CONVERTED PH (STANDARD UNITS)	01/31/94-04/28/95	15	8.43	8.4	8.81	8.06	0.033	0.181	8.156	8.33	8.56	8.672
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/94-04/28/95	15	0.004	0.004	0.009	0.002	0.	0.002	0.002	0.003	0.005	0.007
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/28/95-04/28/95	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: PECO0003

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	3	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00
00400	PH	Other-Hi Lim.	9.	15	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	15	0	0.00	3	0	0.00	7	0	0.00	3	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

[1]Note: The parameter data for PECO0003 (STORET Station ID: PECO_GC) was inadvertently stored under PECO0004 (STORET Station ID: PECO_RH) in the analog version of the Baseline Water Quality Data Inventory and Analysis Report. That error has been corrected here.

Station Inventory for Station: PECO0004[1]

NPS Station ID: PECO0004 LAT/LON: 35.535309/-105.667809 Agency: 11NPSWRD Date Created: 07/15/95
Location: PECOS RIVER AT THE FORKED LIGHTNING RANCH HOUSE FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PECO_RH
RMI-Indexes: Within Park Boundary: Yes
RMI-Miles:
HUC: 13060001 Depth of Water: 0 Aquifer:
Major Basin: WESTERN GULF Elevation: 6780 Water Body Id:
Minor Basin: UPPER PECOS RIVER ECO Region:
RF1 Index: 13060001 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 13020201001129.38 RF3 Mile Point: 29.76 Distance from RF3: 0.45 On/Off RF3:
Description:
SITE IS LOCATED ON THE PECOS RIVER UPSTREAM OF THE CONFLUENCE OF THE PECOS RIVER AND GLORIETA CREEK AT THE FORKED LIGHTNING RANCH HOUSE. STATION IS THE RESPONSIBILITY OF BOBBI SIMPSON AT PECOS NATIONAL HISTORICAL PARK. THE MAILING ADDRESS IS P.O. DRAWER 418 PECOS NM 87522. THE TELEPHONE NUMBER IS 505-757-2611.

Parameter Inventory for Station: PECO0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/31/94-04/28/95	16	6.1	8.288	22.7	0.3	51.605	7.184	0.3	2.375	11.2	21.51
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	03/31/94-04/28/95	8	65.5	67.875	96.	47.	260.696	16.146	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/31/94-04/28/95	16	222.	214.438	278.	110.	1679.196	40.978	145.	192.5	247.25	261.2
00300	OXYGEN, DISSOLVED MG/L	01/31/94-04/28/95	16	10.25	9.963	12.4	6.	3.377	1.838	6.56	8.65	11.45	12.19
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	01/31/94-04/28/95	16	101.35	102.294	113.5	97.5	19.563	4.423	97.64	98.15	104.9	109.44
00400	PH (STANDARD UNITS)	01/31/94-04/28/95	15	8.52	8.477	8.92	7.8	0.137	0.37	7.944	8.12	8.85	8.89
00400	CONVERTED PH (STANDARD UNITS)	01/31/94-04/28/95	15	8.52	8.329	8.92	7.8	0.16	0.4	7.944	8.12	8.85	8.89
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/31/94-04/28/95	15	0.003	0.005	0.016	0.001	0.	0.004	0.001	0.001	0.008	0.012
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	04/28/95-04/28/95	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: PECO0004

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	3	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00
00400	PH	Other-Hi Lim.	9.	15	0	0.00	3	0	0.00	7	0	0.00	3	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	15	0	0.00	3	0	0.00	7	0	0.00	3	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

[1]Note: The parameter data for PECO0004 (STORET Station ID: PECO_RH) was inadvertently stored under PECO0003 (STORET Station ID: PECO_GC) in the analog version of the Baseline Water Quality Data Inventory and Analysis Report. That error has been corrected here.

Station Inventory for Station: PECO0005

NPS Station ID: PECO0005
LAT/LON: 35.563892/-105.667504
Agency: 21NMEX
Date Created: / /
Location: PECOS R 3/4 MILE BLW PECOS, NM
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UPR085
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 4
Aquifer:
Major Basin: WESTERN GULF
Elevation: 0
Water Body Id:
Minor Basin: PECOS RIVER MAIN STEM
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 17.510
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13060001002018.93
RF3 Mile Point: 19.41
Distance from RF3: 0.03
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/13/72-09/30/76	32	14.85	14.825	21.4	8.8	7.321	2.706	11.12	13.2	16.6	18.71
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-08/24/72	16	4.	8.431	45.	1.2	152.46	12.347	1.2	2.1	7.7	36.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/72-09/30/76	34	177.5	181.353	255.	130.	910.538	30.175	148.	158.	198.	223.5
00300	OXYGEN, DISSOLVED MG/L	06/30/72-08/24/72	9	7.2	7.378	8.8	6.6	0.432	0.657	6.6	6.95	7.75	8.8
00400	PH (STANDARD UNITS)	06/19/72-08/24/72	15	8.24	8.226	8.38	7.94	0.01	0.1	8.048	8.21	8.29	8.338
00400	CONVERTED PH (STANDARD UNITS)	06/19/72-08/24/72	15	8.24	8.214	8.38	7.94	0.01	0.101	8.048	8.21	8.29	8.338
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/19/72-08/24/72	15	0.006	0.006	0.011	0.004	0.	0.002	0.005	0.005	0.006	0.009
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-09/30/76	1	0.026	0.026	0.026	0.026	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-09/30/76	1	0.148	0.148	0.148	0.148	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-09/30/76	1	0.024	0.024	0.024	0.024	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/27/72	2	4.8	4.8	6.6	3.	6.48	2.546	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/05/72-09/30/76	43	39.	101.465	1000.	6.	31535.017	177.581	10.8	26.	88.	267.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/05/72-09/30/76	43	1.591	1.684	3.	0.778	0.242	0.492	1.032	1.415	1.944	2.417
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			48.357								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/72-08/10/72	4	496.	528.	980.	140.	141536.	376.213	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/24/72-08/10/72	4	2.663	2.616	2.991	2.146	0.141	0.376	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			413.052								

** - 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: PECO0005

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	16	0	0.00	8	0	0.00							8	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	6	0	0.00							3	0	0.00
00400	PH	Other-Hi Lim.	9.	15	0	0.00	7	0	0.00							8	0	0.00
		Other-Lo Lim.	6.5	15	0	0.00	7	0	0.00							8	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	43	5	0.12	21	3	0.14							22	2	0.09

& - 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: PECO0006

NPS Station ID: PECO0006
LAT/LON: 35.565281/-105.667781
Agency: 21NMEX
Date Created: 03/23/91
Location: PECOS RIVER BLW VILLAGE OF PECOS WWTF
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): UPR214.006005 /UPR214006005/PECOS20
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2085
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region: 22G
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 1.60
On/Off RF1:
RF3 Index: 13060001002012.03
RF3 Mile Point: 18.55
Distance from RF3: 0.03
On/Off RF3:
Description:
STA. IS 100 YDS. BLW WWTF OUTFALL

Parameter Inventory for Station: PECO0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/90-06/28/90	1	15.4	15.4	15.4	15.4	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/28/90-06/28/90	1	25.5	25.5	25.5	25.5	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	06/28/90-06/28/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/28/90-06/28/90	1	209.	209.	209.	209.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/90-06/28/90	1	213.	213.	213.	213.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/90-06/28/90	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/90-06/28/90	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/90-06/28/90	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/90-06/28/90	1	0.006	0.006	0.006	0.006	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/28/90-06/28/90	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/28/90-06/28/90	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/90-06/28/90	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/90-06/28/90	1	97.	97.	97.	97.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/28/90-06/28/90	1	119.	119.	119.	119.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/28/90-06/28/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/90-06/28/90	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	06/28/90-06/28/90	1	0.97	0.97	0.97	0.97	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	06/28/90-06/28/90	1	0.68	0.68	0.68	0.68	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/90-06/28/90	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/28/90-06/28/90	1	0.78	0.78	0.78	0.78	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/90-06/28/90	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	06/28/90-06/28/90	1	0.29	0.29	0.29	0.29	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/90-06/28/90	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/90-06/28/90	1	105.	105.	105.	105.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/90-06/28/90	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/90-06/28/90	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/28/90-06/28/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/28/90-06/28/90	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/90-06/28/90	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/28/90-06/28/90	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	06/28/90-06/28/90	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/28/90-06/28/90	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/28/90-06/28/90	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/28/90-06/28/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	06/28/90-06/28/90	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	06/28/90-06/28/90	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

Parameter Inventory for Station: PECO0006

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01075	SILVER, DISSOLVED (UG/L AS AG)	06/28/90-06/28/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/28/90-06/28/90	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/28/90-06/28/90	1	21.	21.	21.	21.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/28/90-06/28/90	1	1.322	1.322	1.322	1.322	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			21.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/28/90-06/28/90	1	134.	134.	134.	134.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	06/28/90-06/28/90	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/28/90-06/28/90	1	3.	3.	3.	3.	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/28/90-06/28/90	1	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: PECO0006

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	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
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
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00										1	0	0.00
		Drinking Water	250.	1	0	0.00										1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	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
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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	15.	1	0	0.00										1	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00										1	0	0.00
		Drinking Water	50.	1	0	0.00										1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	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
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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: PECO0007

NPS Station ID: PECO0007
LAT/LON: 35.568337/-105.678338
Agency: 21NMEX
Date Created: / /
Location: PECOS RIVER BELOW PECOS NM
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): HP16
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 3
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 17.610
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13060001002018.93
RF3 Mile Point: 20.82
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/30/75-08/27/76	6	8.35	10.3	20.6	5.6	33.496	5.788	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	05/30/75-08/27/76	5	90.	145.6	280.	38.	14336.8	119.736	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/30/75-08/27/76	7	4.	5.6	13.	1.	18.48	4.299	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/30/75-08/27/76	7	190.	194.286	260.	118.	2964.905	54.451	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/30/75-08/27/76	7	0.038	0.033	0.052	0.013	0.	0.016	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/30/75-08/27/76	7	0.025	0.023	0.055	0.005	0.	0.016	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/30/75-08/27/76	7	0.01	0.013	0.035	0.004	0.	0.011	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: PECO0007

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	7	0	0.00	2	0	0.00	2	0	0.00				3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	2	0	0.00	2	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: PECO0008

NPS Station ID: PECO0008
LAT/LON: 35.587226/-105.673892
Agency: 21NMEX
Date Created: / /
Location: PECOS R AT BRIDGE AB PECOS, NM
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UPR084 / 0
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 4
Aquifer:
Major Basin: WESTERN GULF
Elevation: 0
Water Body Id:
Minor Basin: PECOS RIVER MAIN STEM
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 19.390
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13060001002020.62
RF3 Mile Point: 21.77
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-06/28/90	36	14.	13.975	22.	7.	9.364	3.06	9.85	12.5	15.5	17.86
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	10/17/89-06/28/90	2	14.5	14.5	19.	10.	40.5	6.364	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-08/24/72	14	3.1	7.629	39.	1.1	128.81	11.349	1.15	1.575	6.2	33.5
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	06/28/90-06/28/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/17/89-06/28/90	2	144.5	144.5	164.	125.	760.5	27.577	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-06/28/90	38	166.	166.289	240.	124.	589.887	24.288	136.3	149.	180.5	192.9
00300	OXYGEN, DISSOLVED MG/L	06/29/71-06/28/90	9	7.6	7.589	9.3	6.5	0.736	0.858	6.5	6.95	8.1	9.3
00400	PH (STANDARD UNITS)	06/29/71-06/28/90	17	8.2	8.186	8.43	7.6	0.032	0.18	7.984	8.155	8.275	8.406
00400	CONVERTED PH (STANDARD UNITS)	06/29/71-06/28/90	17	8.2	8.139	8.43	7.6	0.035	0.186	7.984	8.155	8.275	8.406
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/71-06/28/90	17	0.006	0.007	0.025	0.004	0.	0.005	0.004	0.005	0.007	0.012
00403	PH, LAB, STANDARD UNITS SU	06/28/90-06/28/90	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/28/90-06/28/90	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/90-06/28/90	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/17/89-06/28/90	2	84.5	84.5	86.	83.	4.5	2.121	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/17/89-06/28/90	2	103.5	103.5	105.	102.	4.5	2.121	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	06/28/90-06/28/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/17/89-06/28/90	2 ##	2.75	2.75	4.	1.5	3.125	1.768	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/17/89-06/28/90	2 ##	0.403	0.403	0.73	0.075	0.215	0.463	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/17/89-06/28/90	2	0.225	0.225	0.45	0.	0.101	0.318	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-06/28/90	3	0.05	0.066	0.11	0.038	0.001	0.039	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-09/30/76	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/17/89-06/28/90	2 ##	0.305	0.305	0.56	0.05	0.13	0.361	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/17/89-06/28/90	2	0.11	0.11	0.17	0.05	0.007	0.085	**	**	**	**
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	10/17/89-06/28/90	2 ##	0.178	0.178	0.28	0.075	0.021	0.145	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-06/28/90	3	0.01	0.011	0.018	0.005	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/27/72	2	4.7	4.7	6.5	2.9	6.48	2.546	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/17/89-06/28/90	2	102.	102.	115.	89.	338.	18.385	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/17/89-06/28/90	2	39.	39.	44.	34.	50.	7.071	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/17/89-06/28/90	2	1.15	1.15	1.2	1.1	0.005	0.071	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/17/89-06/28/90	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/17/89-06/28/90	2	2.	2.	3.	1.	2.	1.414	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/17/89-06/28/90	2 ##	4.25	4.25	6.	2.5	6.125	2.475	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/17/89-06/28/90	2	12.	12.	13.	11.	2.	1.414	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	06/28/90-06/28/90	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/17/89-06/28/90	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/17/89-06/28/90	2 ##	140.	140.	230.	50.	16200.	127.279	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	10/17/89-10/17/89	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

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Parameter Inventory for Station: PECO0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/17/89-06/28/90	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/17/89-10/17/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/17/89-06/28/90	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/17/89-06/28/90	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/17/89-06/28/90	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	10/17/89-10/17/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/17/89-06/28/90	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/17/89-10/17/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-06/28/90	47	26.	87.947	1080.	1.	43491.242	208.546	8.	15.	52.	204.4
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-06/28/90	47	1.415	1.482	3.033	0.	0.32	0.565	0.903	1.176	1.716	2.299
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			30.329								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/72-08/01/72	3	700.	770.667	1400.	212.	356581.333	597.144	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/24/72-08/01/72	3	2.845	2.773	3.146	2.326	0.172	0.415	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			592.271								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/17/89-06/28/90	2	102.	102.	114.	90.	288.	16.971	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/17/89-06/28/90	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/17/89-10/17/89	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/17/89-06/28/90	2	2.7	2.7	4.	1.4	3.38	1.838	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/28/90-06/28/90	1	2.8	2.8	2.8	2.8	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 time series plot

EPA Water Quality Criteria Analysis for Station: PECO0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	14	0	0.00	8	0	0.00							6	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	2	0	0.00	1	0	0.00				6	0	0.00
00400	PH	Other-Hi Lim.	9.	17	0	0.00	7	0	0.00	1	0	0.00				9	0	0.00
		Other-Lo Lim.	6.5	17	0	0.00	7	0	0.00	1	0	0.00				9	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
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.	2	0	0.00				1	0	0.00				1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				1	0	0.00				1	0	0.00
		Drinking Water	250.	2	0	0.00				1	0	0.00				1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00				1	0	0.00				1	0	0.00
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00										1	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	0	0.00				1	0	0.00				1	0	0.00
		Drinking Water	50.	2	0	0.00				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						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00				1	0	0.00				1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00				1	0	0.00				1	0	0.00
		Drinking Water	5.	2	0	0.00				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						
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00				1	0	0.00				1	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00				1	0	0.00				1	0	0.00
		Drinking Water	15.	2	0	0.00				1	0	0.00				1	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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
01077	SILVER, TOTAL	Fresh Acute	4.1	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

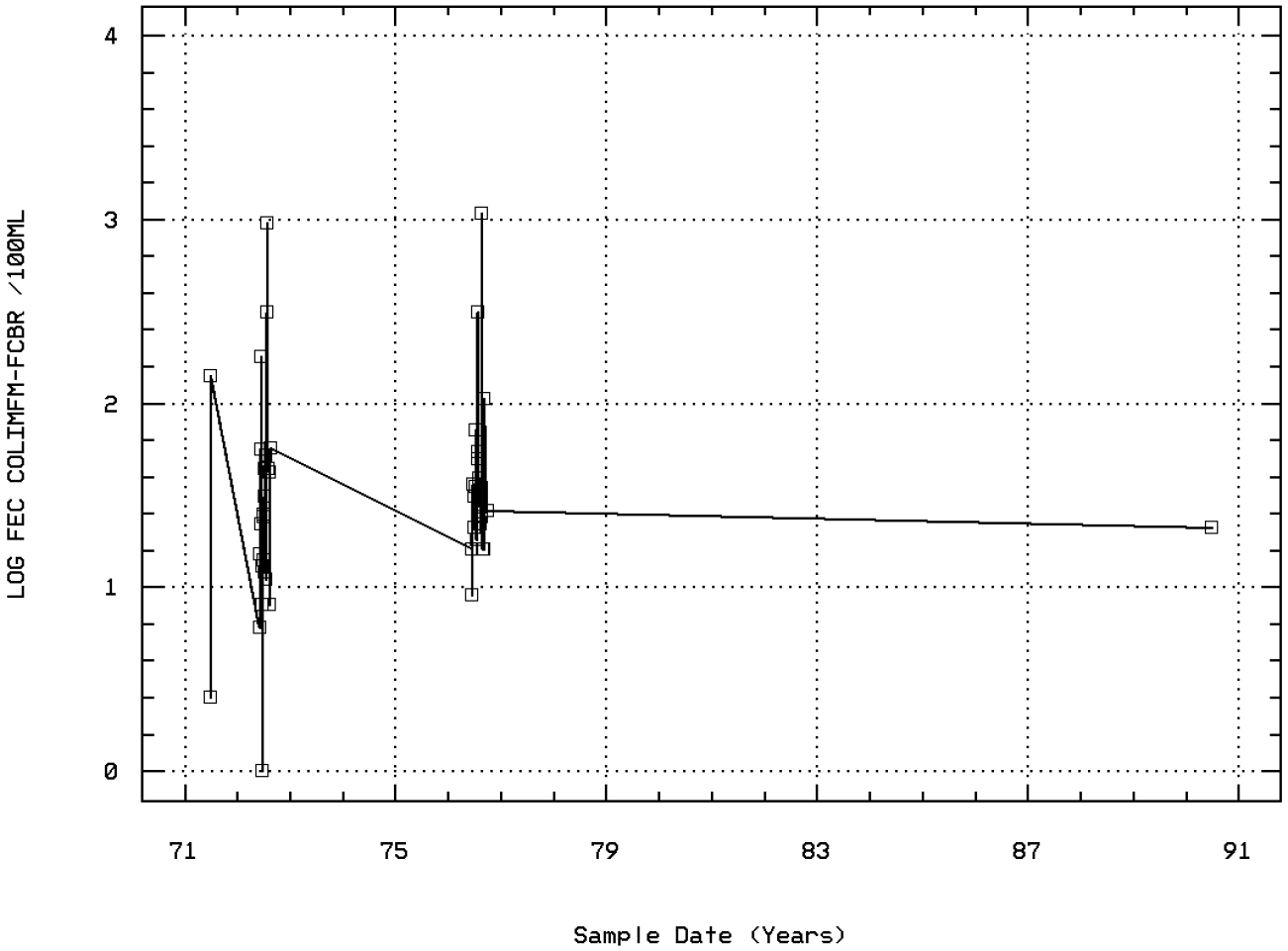
EPA Water Quality Criteria Analysis for Station: PECO0008

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	2	0	0.00				1	0	0.00				1	0	0.00
		Drinking Water	50.	2	0	0.00				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						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	47	4	0.09	22	4	0.18	1	0	0.00				24	0	0.00
71890	MERCURY, DISSOLVED	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
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						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	2	0	0.00				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: PECO0008 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



PECOS R AT BRIDGE AB PECOS, NM

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station PECO0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-06/28/90	22	14.3	14.45	20.2	8.6	7.014	2.648	10.67	12.9	15.9	17.94
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-06/28/90	20	159.	158.1	187.	126.	273.989	16.553	130.7	147.5	170.75	179.8
00400	PH (STANDARD UNITS)	06/29/71-06/28/90	7	8.17	8.214	8.4	8.08	0.013	0.114	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/29/71-06/28/90	7	8.17	8.202	8.4	8.08	0.013	0.114	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/71-06/28/90	7	0.007	0.006	0.008	0.004	0.	0.002	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-06/28/90	22	40.5	149.636	1080.	8.	85801.766	292.919	12.5	21.	69.25	758.6
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-06/28/90	22	1.607	1.7	3.033	0.903	0.334	0.578	1.09	1.321	1.823	2.833
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			50.156								

** - 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: 10/15 to 3/14 - Station PECO0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-06/28/90	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-06/28/90	1	170.	170.	170.	170.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/29/71-06/28/90	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/29/71-06/28/90	1	7.6	7.6	7.6	7.6	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/71-06/28/90	1	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-06/28/90	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-06/28/90	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			10.								

** - 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

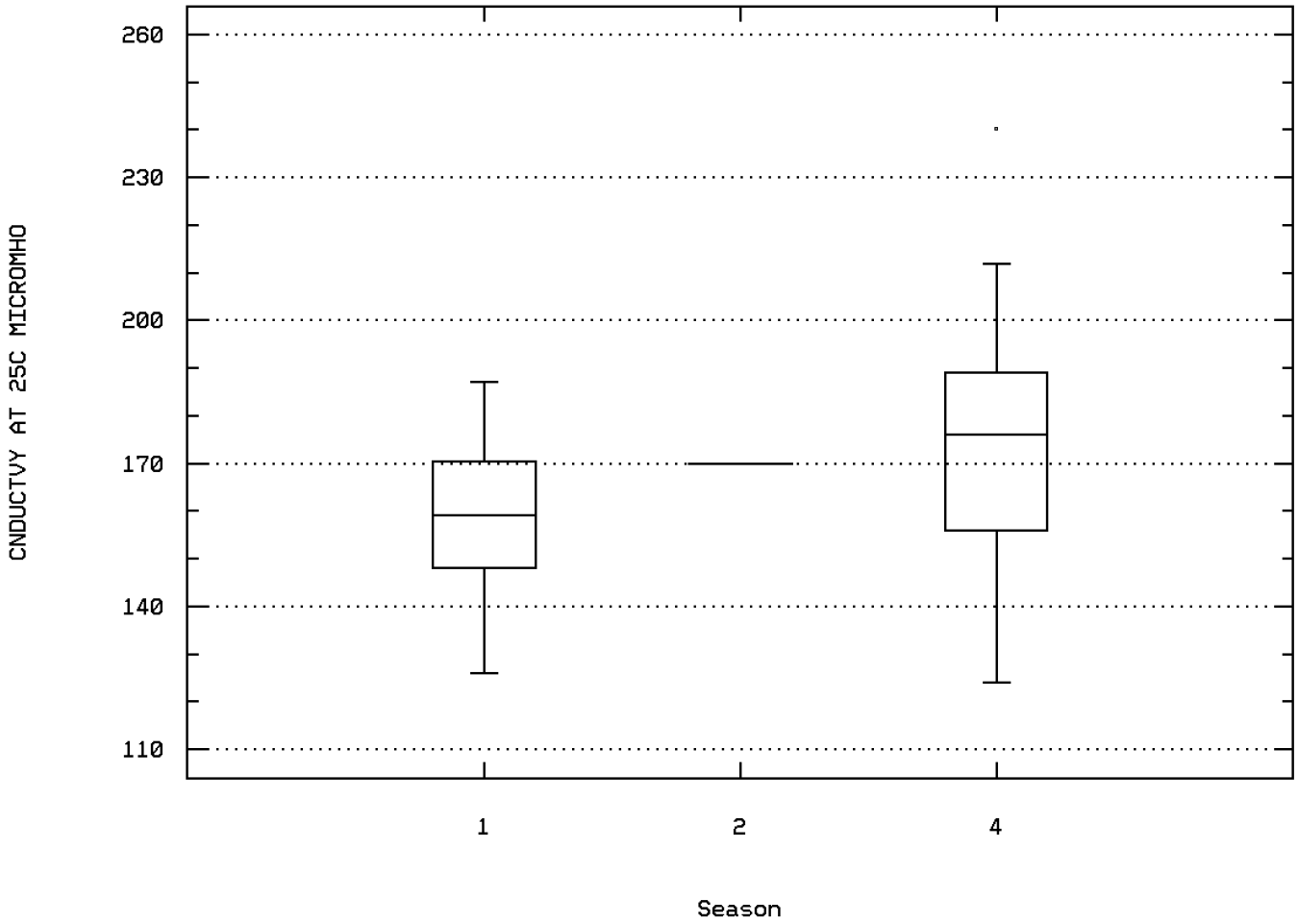
Seasonal Analysis for Season #4: 5/20 to 7/14 - Station PECO0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-06/28/90	13	12.7	13.708	22.	9.5	10.491	3.239	9.7	11.7	15.45	19.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-06/28/90	17	176.	175.706	240.	124.	859.846	29.323	134.4	153.	190.	217.6
00400	PH (STANDARD UNITS)	06/29/71-06/28/90	9	8.22	8.229	8.43	8.09	0.009	0.097	8.09	8.175	8.275	8.43
00400	CONVERTED PH (STANDARD UNITS)	06/29/71-06/28/90	9	8.22	8.22	8.43	8.09	0.009	0.097	8.09	8.175	8.275	8.43
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/71-06/28/90	9	0.006	0.006	0.008	0.004	0.	0.001	0.004	0.005	0.007	0.008
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-06/28/90	24	21.5	34.646	178.	1.	1772.923	42.106	4.25	12.25	35.75	105.5
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-06/28/90	24	1.332	1.302	2.25	0.	0.245	0.495	0.588	1.088	1.553	1.999
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			20.03								

** - 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: PECO0008 Parameter Code: 00095

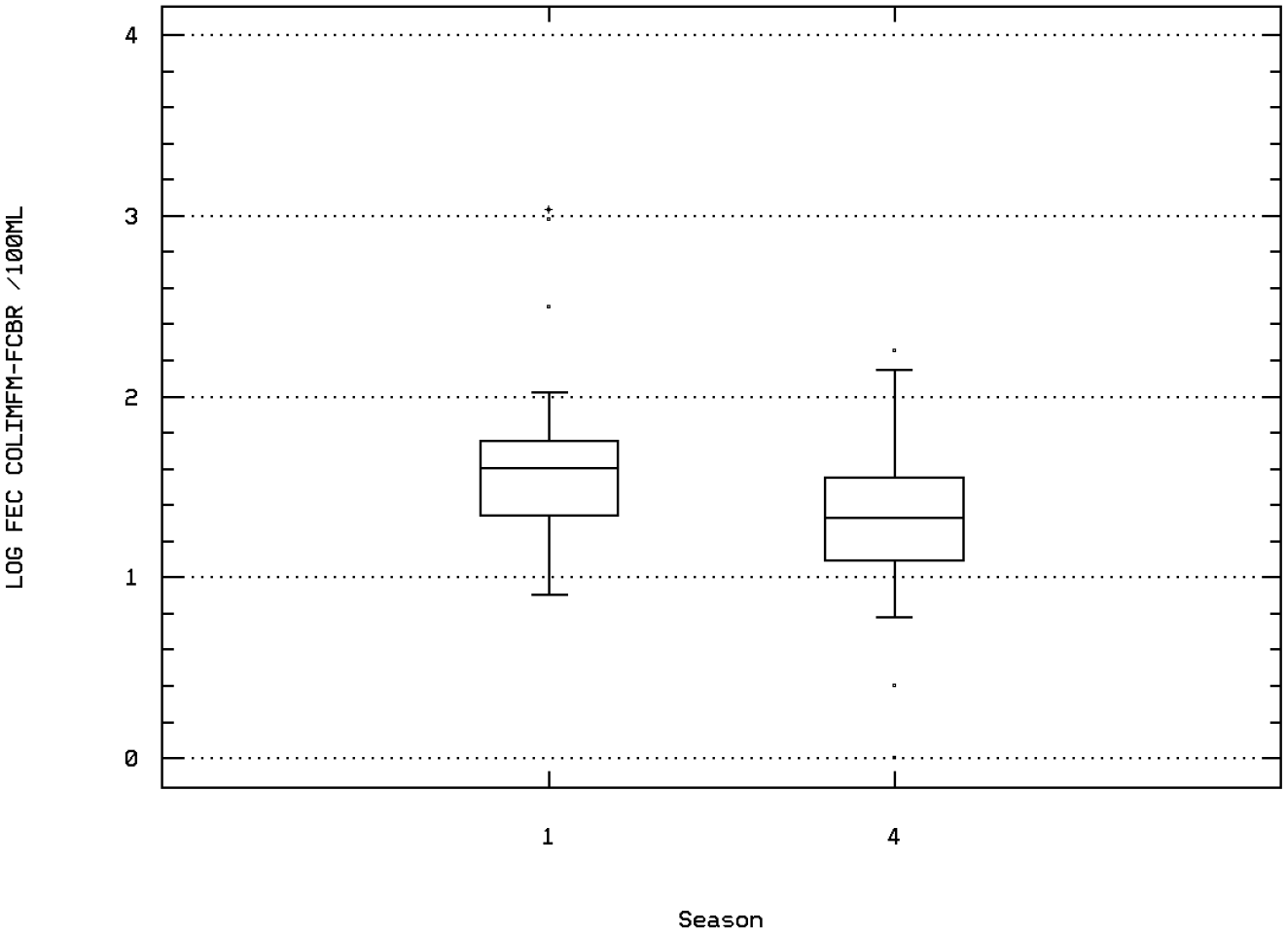
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



PECOS R AT BRIDGE AB PECOS, NM

Station: PECO0008 Parameter Code: 31616

LOG FECAL COLIFORM,MEMBR FILTER,M-FC BR



PECOS R AT BRIDGE AB PECOS, NM

Station Inventory for Station: PECO0009

NPS Station ID: PECO0009
LAT/LON: 35.592504/-105.683337
Agency: 21NMEX
Date Created: / /
Location: PECOS RIVER AT FOREST BOUNDARY
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): HP15
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 3
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 19.980
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13060001002029.01
RF3 Mile Point: 29.00
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/27/76	7	9.4	8.886	13.9	3.3	13.065	3.615	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	04/25/75-08/27/76	7	82.	141.429	270.	21.	11369.952	106.63	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/25/75-08/27/76	8	3.4	4.788	15.	0.6	21.57	4.644	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/27/76	8	172.5	165.875	225.	107.	1661.839	40.766	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/25/75-08/27/76	8	0.032	0.032	0.051	0.013	0.	0.016	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/75-08/27/76	8	0.03	0.07	0.31	0.013	0.01	0.1	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/25/75-08/27/76	8	0.013	0.039	0.196	0.008	0.004	0.064	**	**	**	**

** - 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: PECO0009

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	8	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	8	0	0.00	2	0	0.00	2	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: PECO0010

NPS Station ID: PECO0010 | LAT/LON: 35.592504/-105.683337 | Agency: 113FORS3 | Date Created: 07/21/79
Location: PECOS RIVER AT MONASTARY LAKE | FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 352062 /NM HP15 /92500 101402
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 13060001 | Depth of Water: 0 | Aquifer:
Major Basin: PECOS RIVER | Elevation: 0 | Water Body Id:
Minor Basin: UPPER PECOS RIVER | ECO Region:
RF1 Index: 13060001020 | RF1 Mile Point: 19.980 | Distance from RF1: 0.00 | On/Off RF1: ON
RF3 Index: 13060001002029.01 | RF3 Mile Point: 29.00 | Distance from RF3: 0.01 | On/Off RF3:
Description:
STN ESTAB 4/25/75. STATION IS LOCATED WEST OF THE SOUTH END OF MONASTERY LAKE. T16N, R12E, SEC 21, SW 1/4, NMPM, SANTA FE NATIONAL FOREST, SAN MIGUEL CO., N.M. ELEV 7000 FT (2134 M). DRAINAGE AREA 221 SQ MI (573.4 SQ KM). PURPOSE: TO ESTABLISH BASELINE DATA AND MONITOR THE EFFECT OF PRIVATE LANDS ON THE PECOS RIVER. GRAB SAMPLE

Parameter Inventory for Station: PECO0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/02/78	10	11.1	10.68	16.	3.3	17.613	4.197	3.63	6.6	14.4	15.84
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/75-08/02/78	6	16.9	16.267	22.2	10.	17.967	4.239	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/75-08/02/78	9	101.	135.333	270.	38.	8337.75	91.311	38.	65.	243.5	270.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/25/75-08/02/78	11	3.5	4.8	15.	0.6	16.524	4.065	0.8	2.	7.3	13.5
00300	OXYGEN, DISSOLVED MG/L	04/25/75-08/02/78	7	9.	9.	11.	7.	2.	1.414	**	**	**	**
00400	PH (STANDARD UNITS)	04/25/75-08/02/78	7	8.8	8.729	9.2	8.	0.152	0.39	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/25/75-08/02/78	7	8.8	8.552	9.2	8.	0.189	0.434	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-08/02/78	7	0.002	0.003	0.01	0.001	0.	0.003	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/02/78	9	0.03	0.062	0.31	0.01	0.009	0.096	0.01	0.01	0.065	0.31

** - 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: PECO0010

				Total	Exceed	Prop.	----------7/15-10/14----------			----------10/15-3/14----------			----------3/15-5/19----------			----------5/20-7/14----------		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	11	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00	5	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	4	0	0.00
00400	PH	Other-Hi Lim.	9.	7	2	0.29	1	0	0.00	2	2	1.00	1	0	0.00	3	0	0.00
		Other-Lo Lim.	6.5	7	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	9	0	0.00	2	0	0.00	2	0	0.00	1	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: PECO0011

NPS Station ID: PECO0011 LAT/LON: 35.594698/-105.681865 Agency: 21NMEX Date Created: 01/09/82
Location: PECOS RIVER DUE WEST OF MONASTERY LAKE FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): PECOSCON01
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 13060001 Depth of Water: 3 Aquifer:
Major Basin: WESTERN GULF Elevation: 0 Water Body Id:
Minor Basin: UPPER PECOS RIVER ECO Region:
RF1 Index: 13060001020 RF1 Mile Point: 19.980 Distance from RF1: 23.90 On/Off RF1: ON
RF3 Index: 13060001064900.00 RF3 Mile Point: 5.73 Distance from RF3: 0.01 On/Off RF3:
Description:
ESTABLISHED OCT,1980 AS PART OF COOPERATIVE STUDY WITH SANTA FE NATIONAL FOREST STAFF TO ASSESS AMBIENT WATER QUALITY PRIOR TO DEVELOPMENT AND MINING OF HEAVY METALS (SULFIDE DEPOSITS) IN NATIONAL FOREST. SEDIMENT AND WATER SAMPLES ARE PLANNED. BENTHIC ORGANISMS ARE COLLECTED AT THIS STATION. FOR FURTHER INFORMATION CONTACT DR. GERALD JACOBI,WATER POLLU-

Parameter Inventory for Station: PECO0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/80-02/28/88	17	6.5	7.9	17.	1.	25.705	5.07	2.04	3.35	11.6	16.68
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/09/87-08/02/87	3	0.3	1.733	4.7	0.2	6.603	2.57	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-02/28/88	5	5.	6.	20.	0.	67.5	8.216	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/05/86-02/28/88	6	116.5	118.	162.	73.	977.2	31.26	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/30/80-02/28/88	18	188.	175.833	227.	106.	981.794	31.334	130.3	149.25	194.75	219.8
00300	OXYGEN, DISSOLVED MG/L	10/30/80-11/24/81	8	9.15	9.113	11.	7.5	1.624	1.274	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/30/80-11/24/81	8	103.5	103.25	108.	97.	13.643	3.694	**	**	**	**
00400	PH (STANDARD UNITS)	10/30/80-02/28/88	17	8.	8.	8.3	7.7	0.03	0.173	7.78	7.85	8.15	8.22
00400	CONVERTED PH (STANDARD UNITS)	10/30/80-02/28/88	17	8.	7.968	8.3	7.7	0.031	0.176	7.78	7.85	8.15	8.22
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-02/28/88	17	0.01	0.011	0.02	0.005	0.	0.004	0.006	0.007	0.014	0.017
00403	PH, LAB, STANDARD UNITS SU	02/09/87-02/28/88	5	8.2	8.12	8.3	7.8	0.047	0.217	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/09/87-02/28/88	5	8.2	8.074	8.3	7.8	0.05	0.223	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/09/87-02/28/88	5	0.006	0.008	0.016	0.005	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/17/86-02/28/88	7	87.	83.857	95.	58.	167.476	12.941	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-02/28/88	16	106.5	103.688	130.	68.	320.496	17.902	70.1	92.5	116.	127.2
00445	CARBONATE ION (MG/L AS CO3)	02/09/87-02/28/88	5	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-02/28/88	16 ##	1.5	4.188	20.	0.5	37.963	6.161	0.5	1.	3.75	17.9
00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-02/28/88	8 ##	0.283	0.294	0.65	0.14	0.027	0.163	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-02/28/88	5	0.07	0.164	0.34	0.04	0.025	0.157	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/30/80-02/28/88	18	0.095	0.122	0.26	0.013	0.006	0.076	0.028	0.057	0.2	0.242
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-02/28/88	5 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/17/86-02/28/88	6 ##	0.02	0.03	0.08	0.02	0.001	0.024	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/30/80-02/28/88	18	0.375	0.408	1.26	0.04	0.081	0.284	0.058	0.215	0.553	0.702
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/30/80-10/31/86	13	0.02	0.027	0.05	0.005	0.	0.013	0.011	0.02	0.035	0.05
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-02/28/88	8 ##	0.12	0.122	0.18	0.07	0.001	0.035	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-02/28/88	17	0.027	0.037	0.23	0.005	0.003	0.053	0.005	0.005	0.04	0.102
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-02/28/88	5	112.	111.2	140.	75.	550.7	23.467	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-02/28/88	16	36.8	34.494	44.8	24.	44.159	6.645	24.56	27.025	39.45	43.68
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-02/28/88	16	3.7	4.494	14.6	1.1	12.553	3.543	1.24	2.2	5.15	11.87
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-02/28/88	16	2.3	3.188	11.5	0.	12.976	3.602	0.	0.25	4.5	11.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-02/28/88	16	0.39	0.585	2.5	0.	0.493	0.702	0.	0.15	0.78	2.115

** - 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 time series plot

Parameter Inventory for Station: PECO0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-02/28/88	17	2.5	2.412	5.	0.5	1.039	1.019	0.9	2.	3.	3.4
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-02/28/88	14	17.	17.286	28.	9.	22.835	4.779	10.5	13.75	20.25	25.
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/05/86-10/31/86	3	15.1	19.033	28.	14.	60.603	7.785	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/30/80-12/04/80	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-02/28/88	16 ##	2.5	3.188	11.	2.5	4.729	2.175	2.5	2.5	2.5	6.8
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/30/80-12/04/80	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-02/28/88	16 ##	50.	84.688	305.	50.	5544.896	74.464	50.	50.	95.	245.5
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/04/80-12/04/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-11/24/81	8 ##	5.	3.875	5.	0.5	4.339	2.083	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/30/80-12/04/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-02/28/88	16 ##	0.5	0.563	1.	0.5	0.029	0.171	0.5	0.5	0.5	1.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/30/80-12/04/80	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-02/28/88	16 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/80-12/04/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-02/28/88	15 ##	25.	23.	50.	5.	199.286	14.117	5.	5.	25.	50.
01045	IRON, TOTAL (UG/L AS FE)	01/09/81-02/28/88	14	90.	195.	800.	25.	60553.846	246.077	25.	43.75	263.75	715.
01046	IRON, DISSOLVED (UG/L AS FE)	12/04/80-12/04/80	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	10/30/80-12/04/80	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-02/28/88	16 ##	3.75	3.75	5.	2.5	1.667	1.291	2.5	2.5	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-02/28/88	14 ##	25.	28.571	50.	25.	82.418	9.078	25.	25.	25.	50.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/04/80-12/04/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/04/80-12/04/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-02/28/88	15 ##	5.	4.	5.	2.5	1.607	1.268	2.5	2.5	5.	5.
01067	NICKEL, TOTAL (UG/L AS NI)	08/17/86-02/28/88	7 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	10/30/80-12/04/80	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-02/28/88	15 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-06/26/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/80-12/04/80	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-02/28/88	15 ##	50.	45.667	125.	15.	720.952	26.851	21.	25.	50.	92.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/30/80-12/04/80	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-02/28/88	16 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-02/28/88	16	126.5	119.625	144.	88.	326.117	18.059	89.4	101.	130.5	144.
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/30/80-12/04/80	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-02/28/88	16 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/05/86-02/28/88	7	1.4	4.1	16.	1.3	30.403	5.514	**	**	**	**

** - 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: PECO0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00
00400	PH	Other-Hi Lim.	9.	17	0	0.00	4	0	0.00	8	0	0.00	4	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	17	0	0.00	4	0	0.00	8	0	0.00	4	0	0.00	1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	3	0	0.00	6	0	0.00	3	0	0.00	1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	17	0	0.00	5	0	0.00	7	0	0.00	4	0	0.00	1	0	0.00
		Drinking Water	250.	17	0	0.00	5	0	0.00	7	0	0.00	4	0	0.00	1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	4	0	0.00	6	0	0.00	3	0	0.00	1	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	0	0.00				2	0	0.00						
		Drinking Water	50.	2	0	0.00				2	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	16	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	50.	16	0	0.00	5	0	0.00	6	0	0.00	3	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: PECO0011

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
01005	BARIUM, DISSOLVED	Drinking Water	2000.	2	0	0.00				2	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	16	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	4.	2 &	0	0.00	1	0	0.00	1	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						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	16	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	5.	16	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	2	0	0.00				2	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	16	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	4 &	0	0.00				2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	1300.	15	0	0.00	5	0	0.00	6	0	0.00	2	0	0.00	2	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	2	0	0.00				2	0	0.00						
		Drinking Water	15.	2	0	0.00				2	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	16	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	15.	16	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
		Drinking Water	100.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	2	0	0.00				2	0	0.00						
		Drinking Water	100.	2	0	0.00				2	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	15	0	0.00	5	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	100.	15	0	0.00	5	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	0 &	0	0.00												
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	14 &	0	0.00	5	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	5000.	15	0	0.00	5	0	0.00	6	0	0.00	2	0	0.00	2	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	2	0	0.00				2	0	0.00						
		Drinking Water	50.	2	0	0.00				2	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	16	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	50.	16	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00
28011	URANIUM, NATURAL, TOTAL	Drinking Water	20.	2	0	0.00				1	0	0.00				1	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00				2	0	0.00						
		Drinking Water	2.	2	0	0.00				2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	16	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	2.	16	0	0.00	5	0	0.00	6	0	0.00	3	0	0.00	2	0	0.00
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	7	0	0.00	2	0	0.00	3	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: PECO0012

NPS Station ID: PECO0012
LAT/LON: 35.607781/-105.675837
Agency: 21NMEX
Date Created: / /
Location: PECOS R BLW LISBOA SPRINGS HATCH
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UPR083
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 4
Aquifer:
Major Basin: WESTERN GULF
Elevation: 0
Water Body Id:
Minor Basin: PECOS RIVER MAIN STEM
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 21.040
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13060001002025.21
RF3 Mile Point: 25.20
Distance from RF3: 0.18
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-09/30/76	34	13.45	13.55	21.	7.4	7.7	2.775	9.9	11.975	15.275	17.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-08/24/72	16	2.4	5.238	23.	0.8	48.924	6.995	0.87	1.525	4.625	22.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/30/76	36	157.	157.472	216.	119.	541.628	23.273	124.1	139.	171.75	192.2
00300	OXYGEN, DISSOLVED MG/L	06/29/71-07/27/72	8	7.25	7.275	8.1	6.6	0.216	0.465	**	**	**	**
00400	PH (STANDARD UNITS)	06/29/71-08/24/72	17	8.25	8.232	8.47	7.94	0.025	0.157	7.94	8.125	8.34	8.454
00400	CONVERTED PH (STANDARD UNITS)	06/29/71-08/24/72	17	8.25	8.204	8.47	7.94	0.025	0.159	7.94	8.125	8.34	8.454
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/71-08/24/72	17	0.006	0.006	0.011	0.003	0.	0.002	0.004	0.005	0.008	0.011
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/76-08/24/76	1	0.027	0.027	0.027	0.027	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-09/30/76	1	0.044	0.044	0.044	0.044	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/76-08/24/76	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-09/30/76	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/24/76-08/24/76	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/24/76-09/30/76	2	0.03	0.03	0.035	0.024	0.	0.008	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/76-08/24/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/27/72	2	5.	5.	6.9	3.1	7.22	2.687	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	44	32.	87.386	1400.	2.	47395.638	217.705	5.	15.25	56.	218.5
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	44	1.505	1.503	3.146	0.301	0.322	0.567	0.699	1.183	1.747	2.331
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			31.831								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/72-08/01/72	3	380.	502.	920.	206.	138612.	372.306	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/24/72-08/01/72	3	2.58	2.619	2.964	2.314	0.107	0.327	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			416.051								

** - 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: PECO0012

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	16	0	0.00	8	0	0.00							8	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	0	0.00	3	0	0.00							5	0	0.00
00400	PH	Other-Hi Lim.	9.	17	0	0.00	7	0	0.00							10	0	0.00
		Other-Lo Lim.	6.5	17	0	0.00	7	0	0.00							10	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	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									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	44	4	0.09	21	4	0.19							23	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: PECO0013

NPS Station ID: PECO0013
LAT/LON: 35.614726/-105.682227
Agency: 21NMEX
Date Created: 03/23/91
Location: PECOS AT HATCHERY DIVERSION
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): UPR214.006020 /UPR214006020/PEC120
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2149
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region: 21G
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 0.80
On/Off RF1:
RF3 Index: 13060001002017.54
RF3 Mile Point: 17.53
Distance from RF3: 0.00
On/Off RF3:
Description:
STA IS ABOUT .6 MILES ABV LISBOA SPRINGS FISH HATCHERY

Parameter Inventory for Station: PECO0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-12/05/91	10	7.	6.55	15.	0.5	21.081	4.591	0.6	1.875	9.	14.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	3	5.5	6.	8.	4.5	3.25	1.803	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-12/08/92	15	5.	6.667	25.	0.	44.345	6.659	0.	2.5	10.	19.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/90-12/05/91	10	111.	109.7	135.	70.	432.9	20.806	72.1	96.25	127.5	135.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/23/90-12/08/92	15	203.	196.067	317.	127.	2270.781	47.653	130.	158.	216.	265.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	5	9.9	9.62	10.3	8.6	0.497	0.705	**	**	**	**
00400	PH (STANDARD UNITS)	01/23/90-12/05/91	10	8.235	8.166	8.53	7.79	0.059	0.243	7.791	7.95	8.32	8.515
00400	CONVERTED PH (STANDARD UNITS)	01/23/90-12/05/91	10	8.234	8.103	8.53	7.79	0.063	0.252	7.791	7.95	8.32	8.515
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-12/05/91	10	0.006	0.008	0.016	0.003	0.	0.005	0.003	0.005	0.011	0.016
00403	PH, LAB, STANDARD UNITS SU	01/23/90-12/08/92	15	7.8	7.753	8.1	7.4	0.046	0.213	7.4	7.5	7.9	8.04
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-12/08/92	15	7.8	7.702	8.1	7.4	0.048	0.22	7.4	7.5	7.9	8.04
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-12/08/92	15	0.016	0.02	0.04	0.008	0.	0.011	0.009	0.013	0.032	0.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/90-12/08/92	15	86.	81.2	98.	53.	238.314	15.437	54.8	66.	92.	98.
00440	BICARBONATE ION (MG/L AS HCO3)	01/23/90-12/08/92	15	105.	98.8	120.	65.	348.457	18.667	66.8	80.	112.	118.2
00445	CARBONATE ION (MG/L AS CO3)	03/18/90-12/08/92	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/90-12/08/92	15	4.	8.267	63.	1.	238.424	15.441	1.3	1.5	7.	31.8
00600	NITROGEN, TOTAL (MG/L AS N)	01/23/90-03/18/92	12 ##	0.155	0.168	0.31	0.07	0.007	0.084	0.075	0.09	0.244	0.295
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	13	0.02	0.071	0.26	0.	0.008	0.091	0.	0.	0.14	0.24
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/23/90-03/18/92	13 ##	0.05	0.082	0.23	0.05	0.003	0.053	0.05	0.05	0.105	0.19
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/90-03/18/92	13	0.12	0.172	0.41	0.05	0.016	0.126	0.05	0.05	0.27	0.39
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/23/90-03/18/92	13	0.07	0.066	0.14	0.02	0.002	0.042	0.02	0.02	0.105	0.128
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	12 ##	0.098	0.111	0.2	0.07	0.002	0.041	0.072	0.085	0.131	0.194
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/90-03/18/92	13	0.01	0.022	0.08	0.005	0.001	0.025	0.005	0.005	0.025	0.076
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/90-12/08/92	15	103.	102.467	145.	66.	532.267	23.071	71.4	80.	114.	139.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/23/90-12/08/92	15	35.	33.693	45.	22.3	49.064	7.005	22.72	27.	39.	44.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/23/90-12/08/92	15	4.	4.38	13.3	1.5	7.326	2.707	2.04	3.	4.2	8.92
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/23/90-12/08/92	15	3.	3.267	5.	2.	1.46	1.208	2.	2.	5.	5.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/23/90-12/08/92	15	1.	1.967	6.	0.	3.052	1.747	0.3	0.5	3.	5.4
00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/90-12/08/92	15 ##	2.5	2.8	7.	2.5	1.35	1.162	2.5	2.5	2.5	4.3
00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/90-12/08/92	15	15.	14.533	20.	7.	11.41	3.378	8.8	14.	17.	18.2
00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-12/08/92	14	0.17	0.181	0.33	0.13	0.002	0.048	0.14	0.158	0.185	0.27
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/90-03/18/92	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01007	BARIUM, TOTAL (UG/L AS BA)	01/23/90-03/18/92	11 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

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Parameter Inventory for Station: PECO0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	8 ##	50.	118.75	600.	50.	37812.5	194.454	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	9 ##	0.5	0.667	2.	0.5	0.25	0.5	0.5	0.5	0.5	2.
01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/90-03/18/92	11 ##	0.5	0.818	4.	0.5	1.114	1.055	0.5	0.5	0.5	3.3
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/90-03/18/92	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	6 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	01/23/90-03/18/92	11 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	01/23/90-03/18/92	11	200.	456.364	2100.	100.	342605.455	585.325	100.	140.	600.	1830.
01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	9 ##	50.	116.667	300.	50.	11250.	106.066	50.	50.	200.	300.
01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01051	LEAD, TOTAL (UG/L AS PB)	01/23/90-03/18/92	11 ##	2.5	2.909	7.	2.5	1.841	1.357	2.5	2.5	2.5	6.1
01055	MANGANESE, TOTAL (UG/L AS MN)	01/23/90-03/18/92	11 ##	25.	27.273	50.	25.	56.818	7.538	25.	25.	25.	45.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	01/23/90-03/18/92	11 ##	50.	40.909	50.	25.	159.091	12.613	25.	25.	50.	50.
01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	9 ##	0.5	17.	50.	0.5	612.563	24.75	0.5	0.5	50.	50.
01077	SILVER, TOTAL (UG/L AS AG)	01/23/90-03/18/92	11 ##	0.5	14.	50.	0.5	534.6	23.121	0.5	0.5	50.	50.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	8	200.	156.25	200.	50.	3883.929	62.321	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	6	200.	175.	200.	50.	3750.	61.237	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	8 ##	75.	125.	300.	50.	12142.857	110.195	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	9	70.	170.556	720.	25.	50265.278	224.199	25.	50.	225.	720.
01092	ZINC, TOTAL (UG/L AS ZN)	01/23/90-03/18/92	11	50.	175.	970.	25.	83825.	289.525	25.	25.	160.	862.
01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-03/18/92	11	300.	534.091	2300.	25.	469034.091	684.861	30.	50.	700.	2080.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	9	150.	211.111	600.	50.	41111.111	202.759	50.	50.	350.	600.
01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	8	3050.	2800.	5400.	300.	4331428.571	2081.208	**	**	**	**
01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	6	750.	1016.667	2000.	200.	625666.667	790.991	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/90-03/18/92	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/23/90-12/08/92	15	120.	117.467	148.	84.	491.124	22.161	84.	96.	138.	145.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	01/23/90-03/18/92	11 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	8	36.	8898.875	36000.	22.	269640928.982	16420.747	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	8	4.	1002.375	4100.	2.	3426002.839	1850.946	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/90-12/05/91	10	3.9	5.33	17.	0.9	22.658	4.76	0.99	1.95	7.425	16.2
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-12/08/92	12	1.6	5.3	37.	0.4	103.875	10.192	0.43	0.575	5.075	27.61

** - 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: PECO0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-10/14---------- Obs	Exceed	Prop.	----------10/15-3/14---------- Obs	Exceed	Prop.	----------3/15-5/19---------- Obs	Exceed	Prop.	----------5/20-7/14---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
00400	PH	Other-Hi Lim.	9.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	15	0	0.00	3	0	0.00	6	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	15	0	0.00	3	0	0.00	6	0	0.00	6	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	2	0	0.00	5	0	0.00	6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	15	0	0.00	3	0	0.00	6	0	0.00	6	0	0.00			
		Drinking Water	250.	15	0	0.00	3	0	0.00	6	0	0.00	6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	15	0	0.00	3	0	0.00	6	0	0.00	6	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: PECO0013

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	14	0	0.00	3	0	0.00	5	0	0.00	6	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	50.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	6	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	5.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	11	1	0.09	2	0	0.00	4	0	0.00	5	1	0.20			
		Drinking Water	5.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	15.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	15.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	100.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	6 &	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	8 &	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	100.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	3	0.33	2	0	0.00	4	2	0.50	3	1	0.33			
		Drinking Water	5000.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	11	3	0.27	2	0	0.00	4	1	0.25	5	2	0.40			
		Drinking Water	5000.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	50.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	2.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	2.	11	0	0.00	2	0	0.00	4	0	0.00	5	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	0	0.00	3	0	0.00	6	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: PECO0014

NPS Station ID: PECO0014
LAT/LON: 35.620837/-105.699726
Agency: 21NMEX
Date Created: 03/30/91
Location: HATCHERY RACEWAY B6
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /CANAL/TYPA/AMBNT
STORET Station ID(s): LSFHRB6 /PEC160
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2146
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region: 21G
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 1.60
On/Off RF1:
RF3 Index: 13060001079300.00
RF3 Mile Point: 0.07
Distance from RF3: 0.00
On/Off RF3:
Description:
RACEWAY IS IN LISBOA SPRGS FISH HATCHERY ABV PECOS, NM

Parameter Inventory for Station: PECO0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/11/91-03/11/91	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/11/91-03/11/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/11/91-03/11/91	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/11/91-03/11/91	1	223.	223.	223.	223.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/11/91-03/11/91	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	03/11/91-03/11/91	1	8.04	8.04	8.04	8.04	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/11/91-03/11/91	1	8.04	8.04	8.04	8.04	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/91-03/11/91	1	0.009	0.009	0.009	0.009	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/11/91-03/11/91	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/11/91-03/11/91	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/11/91-03/11/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/11/91-03/11/91	1	96.	96.	96.	96.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/11/91-03/11/91	1	117.	117.	117.	117.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/11/91-03/11/91	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/11/91-03/11/91	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	03/11/91-03/11/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/11/91-03/11/91	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/11/91-03/11/91	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/11/91-03/11/91	1	0.31	0.31	0.31	0.31	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/11/91-03/11/91	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	03/11/91-03/11/91	1	0.21	0.21	0.21	0.21	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/11/91-03/11/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/11/91-03/11/91	1	112.	112.	112.	112.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/11/91-03/11/91	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/11/91-03/11/91	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/11/91-03/11/91	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/11/91-03/11/91	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/11/91-03/11/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/11/91-03/11/91	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/11/91-03/11/91	1	0.17	0.17	0.17	0.17	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	03/11/91-03/11/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/11/91-03/11/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	03/11/91-03/11/91	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

Parameter Inventory for Station: PECO0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01020	BORON, DISSOLVED (UG/L AS B)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	03/11/91-03/11/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/11/91-03/11/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	03/11/91-03/11/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/11/91-03/11/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	03/11/91-03/11/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	03/11/91-03/11/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	03/11/91-03/11/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/11/91-03/11/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/11/91-03/11/91	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	03/11/91-03/11/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/11/91-03/11/91	1	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/11/91-03/11/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/11/91-03/11/91	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	03/11/91-03/11/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	03/11/91-03/11/91	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/11/91-03/11/91	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	03/11/91-03/11/91	1	200.	200.	200.	200.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01086	VANADIUM, SUSPENDED (UG/L AS V)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	03/11/91-03/11/91	1	292.	292.	292.	292.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/11/91-03/11/91	1	334.	334.	334.	334.	0.	0.	**	**	**	**
01100	TIN, DISSOLVED (UG/L AS SN)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/11/91-03/11/91	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/11/91-03/11/91	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	03/11/91-03/11/91	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01142	SILICON, TOTAL (UG/L AS SI)	03/11/91-03/11/91	1	2000.	2000.	2000.	2000.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	03/11/91-03/11/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	03/11/91-03/11/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/11/91-03/11/91	1	142.	142.	142.	142.	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	03/11/91-03/11/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/11/91-03/11/91	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
82036	CALCIUM-DISSOLVED UG/L (AS CA)	03/11/91-03/11/91	1	40000.	40000.	40000.	40000.	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	03/11/91-03/11/91	1	3700.	3700.	3700.	3700.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/11/91-03/11/91	1	4.9	4.9	4.9	4.9	0.	0.	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/11/91-03/11/91	1	4.2	4.2	4.2	4.2	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: PECO0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	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						
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						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	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: PECO0014

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
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.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	0 &	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						
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						
01030	CHROMIUM, DISSOLVED	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.	0 &	0	0.00												
		Drinking Water	1300.	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						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
		Drinking Water	100.	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						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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	1	0	0.00				1	0	0.00						
		Drinking Water	100.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	1	1.00				1	1	1.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	1	1	1.00				1	1	1.00						
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	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						
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						
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						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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: PECO0015

NPS Station ID: PECO0015
LAT/LON: 35.620837/-105.699726
Agency: 21NMEX
Date Created: 03/30/91
Location: HATCHERY RACEWAY C6
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /CANAL/TYPA/AMBNT
STORET Station ID(s): LSFHRC6 /PEC130
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2146
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region: 21G
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 8.10
On/Off RF1:
RF3 Index: 13060001081000.00
RF3 Mile Point: 2.11
Distance from RF3: 0.13
On/Off RF3:
Description:
RACEWAY IS IN LISBOA SPRGS FISH HATCHERY ABV PECOS, NM

Parameter Inventory for Station: PECO0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-12/05/91	10	7.1	8.16	14.2	5.	9.64	3.105	5.	5.375	10.5	13.98
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	2	5.35	5.35	6.2	4.5	1.445	1.202	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/18/92	13	5.	8.269	50.	0.	173.317	13.165	0.	2.5	7.5	36.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/90-12/05/91	10	147.5	137.1	190.	90.	1201.211	34.658	90.2	98.	161.25	187.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/23/90-09/18/92	13	230.	212.308	295.	134.	2708.231	52.041	134.4	158.5	250.	280.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	5	7.4	7.96	9.4	6.8	1.188	1.09	**	**	**	**
00400	PH (STANDARD UNITS)	01/23/90-12/05/91	10	7.75	7.695	8.02	7.4	0.072	0.268	7.4	7.4	7.995	8.019
00400	CONVERTED PH (STANDARD UNITS)	01/23/90-12/05/91	10	7.747	7.624	8.02	7.4	0.077	0.278	7.4	7.4	7.995	8.019
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-12/05/91	10	0.018	0.024	0.04	0.01	0.	0.014	0.01	0.01	0.04	0.04
00403	PH, LAB, STANDARD UNITS SU	01/23/90-09/18/92	13	7.7	7.592	8.	7.	0.089	0.299	7.08	7.35	7.85	7.96
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-09/18/92	13	7.7	7.49	8.	7.	0.1	0.317	7.08	7.35	7.85	7.96
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-09/18/92	13	0.02	0.032	0.1	0.01	0.001	0.026	0.011	0.014	0.045	0.085
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	13	98.	93.923	137.	57.	603.41	24.564	57.	71.5	111.5	128.6
00440	BICARBONATE ION (MG/L AS HCO3)	01/23/90-09/18/92	13	118.	114.385	167.	69.	905.756	30.096	69.	87.	136.5	156.6
00445	CARBONATE ION (MG/L AS CO3)	09/06/90-09/18/92	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/90-09/18/92	13	1.5	8.	71.	1.	362.042	19.027	1.2	1.5	4.	45.8
00600	NITROGEN, TOTAL (MG/L AS N)	01/23/90-03/18/92	12	0.425	0.442	0.97	0.145	0.06	0.244	0.162	0.234	0.628	0.892
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	12	0.115	0.141	0.37	0.	0.011	0.103	0.009	0.071	0.218	0.328
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/23/90-03/18/92	12	0.28	0.306	0.5	0.05	0.024	0.154	0.071	0.21	0.483	0.5
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/90-03/18/92	12	0.395	0.441	0.83	0.25	0.024	0.155	0.259	0.353	0.518	0.743
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/23/90-03/18/92	12	0.105	0.087	0.19	0.02	0.004	0.064	0.02	0.02	0.135	0.184
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	12	0.295	0.335	0.68	0.07	0.043	0.207	0.093	0.178	0.535	0.677
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/90-03/18/92	12 ##	0.008	0.021	0.07	0.005	0.001	0.024	0.005	0.005	0.028	0.07
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	13	113.	118.846	233.	69.	1950.974	44.17	69.4	86.5	136.5	205.8
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/23/90-09/18/92	13	38.	41.138	85.	23.	258.421	16.075	23.28	30.55	48.	71.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/23/90-09/18/92	13	3.6	3.823	8.5	1.5	2.975	1.725	1.86	2.75	4.5	7.1
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/23/90-09/18/92	13	3.	3.5	5.	2.	1.333	1.155	2.	2.75	5.	5.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/23/90-09/18/92	13	1.	1.462	3.	0.	0.894	0.946	0.2	0.75	2.	3.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/90-09/18/92	13 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/90-09/18/92	13	17.	15.538	20.	8.	14.103	3.755	8.8	12.5	18.	19.6
00951	FLUORIDE, TOTAL (MG/L AS F)	04/12/90-09/18/92	12	0.18	0.179	0.25	0.11	0.001	0.034	0.119	0.165	0.195	0.238
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01007	BARIUM, TOTAL (UG/L AS BA)	01/23/90-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	8 ##	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

Parameter Inventory for Station: PECO0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/90-03/18/92	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/90-03/18/92	9 ##	2.5	3.	7.	2.5	2.25	1.5	2.5	2.5	2.5	7.
01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	5 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	01/23/90-03/18/92	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	01/23/90-03/18/92	9	110.	182.222	520.	50.	30219.444	173.837	50.	50.	305.	520.
01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	9 ##	50.	88.889	400.	50.	13611.111	116.667	50.	50.	50.	400.
01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01051	LEAD, TOTAL (UG/L AS PB)	01/23/90-03/18/92	9 ##	2.5	3.222	9.	2.5	4.694	2.167	2.5	2.5	2.5	9.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/23/90-03/18/92	9 ##	25.	27.778	50.	25.	69.444	8.333	25.	25.	25.	50.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	04/12/90-03/18/92	8 ##	50.	46.875	50.	25.	78.125	8.839	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	9 ##	0.5	17.	50.	0.5	612.563	24.75	0.5	0.5	50.	50.
01077	SILVER, TOTAL (UG/L AS AG)	01/23/90-03/18/92	9 ##	0.5	11.5	50.	0.5	476.438	21.827	0.5	0.5	25.25	50.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	8	200.	168.75	200.	50.	3526.786	59.387	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	5	200.	200.	200.	200.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	8 ##	50.	93.75	400.	50.	15312.5	123.744	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	9	70.	90.444	210.	25.	4541.778	67.393	25.	25.	154.5	210.
01092	ZINC, TOTAL (UG/L AS ZN)	01/23/90-03/18/92	9 ##	25.	75.	330.	25.	9750.	98.742	25.	25.	80.	330.
01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	8 ##	50.	68.75	200.	50.	2812.5	53.033	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/12/90-03/18/92	8 ##	125.	237.5	700.	50.	59821.429	244.584	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	9 ##	50.	127.778	600.	50.	32569.444	180.47	50.	50.	125.	600.
01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	8	2000.	2162.5	4100.	300.	3028392.857	1740.228	**	**	**	**
01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	5	1700.	1220.	1900.	300.	712000.	843.801	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/23/90-09/18/92	13	132.	131.462	192.	82.	1058.436	32.534	83.6	101.	154.5	181.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	01/23/90-03/18/92	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	8	41.5	11901.75	52000.	21.	488542141.357	22102.989	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	8	4.	1015.	4100.	2.	3509753.143	1873.434	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/90-12/05/91	10	3.5	4.409	17.	0.09	25.293	5.029	0.131	0.65	5.6	16.04
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-09/18/92	11	0.7	4.345	33.	0.3	92.479	9.617	0.3	0.3	4.	27.28

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: PECO0015

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-10/14---------- Obs	Exceed	Prop.	----------10/15-3/14---------- Obs	Exceed	Prop.	----------3/15-5/19---------- Obs	Exceed	Prop.	----------5/20-7/14---------- Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
00400	PH	Other-Hi Lim.	9.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	13	0	0.00	3	0	0.00	5	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	13	0	0.00	3	0	0.00	5	0	0.00	5	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	0	0.00	2	0	0.00	5	0	0.00	5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	0	0.00	3	0	0.00	5	0	0.00	5	0	0.00			
		Drinking Water	250.	13	0	0.00	3	0	0.00	5	0	0.00	5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	13	0	0.00	3	0	0.00	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

EPA Water Quality Criteria Analysis for Station: PECO0015

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	12	0	0.00	3	0	0.00	4	0	0.00	5	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	50.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	5	0	0.00				3	0	0.00	2	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	5.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	5.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	15.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	15.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
		Drinking Water	100.	8	0	0.00	1	0	0.00	3	0	0.00	4	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	6 &	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	7 &	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	100.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	3	0.33	2	0	0.00	4	1	0.25	3	2	0.67			
		Drinking Water	5000.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	1	0.11	1	0	0.00	4	1	0.25	4	0	0.00			
		Drinking Water	5000.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	50.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	2.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	2.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	3	0	0.00	5	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: PECO0016

NPS Station ID: PECO0016
LAT/LON: 35.620837/-105.699726
Agency: 21NMEX
Date Created: 03/30/91
Location: HATCHERY RACEWAY C7
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /CANAL/TYPA/AMBNT
STORET Station ID(s): LSFHRC7 /PEC140
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2146
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region: 21G
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 8.10
On/Off RF1:
RF3 Index: 13060001081000.00
RF3 Mile Point: 2.11
Distance from RF3: 0.13
On/Off RF3:
Description:
RACEWAY IS IN LISBOA SPRGS FISH HATCHERY ABV PECOS, NM

Parameter Inventory for Station: PECO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-12/05/91	10	8.	7.92	14.7	2.5	14.842	3.853	2.6	4.25	11.25	14.43
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	2	5.35	5.35	6.2	4.5	1.445	1.202	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/18/92	13	5.	8.462	50.	0.	174.519	13.211	0.	2.5	10.	36.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/90-12/05/91	10	133.	124.5	158.	90.	643.389	25.365	90.6	98.25	146.25	157.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/23/90-09/18/92	13	226.	203.077	289.	111.	2782.41	52.749	120.2	151.5	233.	275.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	5	9.1	8.76	9.4	7.8	0.513	0.716	**	**	**	**
00400	PH (STANDARD UNITS)	01/23/90-12/05/91	10	7.93	7.813	8.15	7.4	0.069	0.262	7.4	7.55	7.99	8.134
00400	CONVERTED PH (STANDARD UNITS)	01/23/90-12/05/91	10	7.929	7.736	8.15	7.4	0.075	0.274	7.4	7.55	7.99	8.134
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-12/05/91	10	0.012	0.018	0.04	0.007	0.	0.012	0.007	0.01	0.029	0.04
00403	PH, LAB, STANDARD UNITS SU	01/23/90-09/18/92	13	7.7	7.623	7.9	7.2	0.057	0.239	7.2	7.45	7.8	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-09/18/92	13	7.7	7.557	7.9	7.2	0.062	0.248	7.2	7.45	7.8	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-09/18/92	13	0.02	0.028	0.063	0.013	0.	0.018	0.013	0.016	0.036	0.063
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	13	98.	88.154	134.	55.	546.974	23.387	55.4	64.	101.5	121.6
00440	BICARBONATE ION (MG/L AS HCO3)	01/23/90-09/18/92	13	117.	107.385	163.	67.	801.09	28.304	67.8	78.	123.5	148.2
00445	CARBONATE ION (MG/L AS CO3)	09/06/90-09/18/92	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/90-09/18/92	13	3.	6.538	45.	1.5	136.186	11.67	1.5	1.5	5.5	29.4
00600	NITROGEN, TOTAL (MG/L AS N)	01/23/90-03/18/92	12	0.495	0.476	0.82	0.1	0.048	0.22	0.136	0.321	0.63	0.814
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	12	0.2	0.239	0.6	0.01	0.03	0.172	0.037	0.103	0.398	0.54
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/23/90-03/18/92	12	0.18	0.208	0.46	0.05	0.011	0.107	0.074	0.143	0.283	0.412
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/90-03/18/92	12	0.48	0.469	0.74	0.16	0.031	0.177	0.181	0.363	0.585	0.728
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/23/90-03/18/92	12	0.075	0.084	0.25	0.02	0.005	0.069	0.02	0.02	0.11	0.223
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	12	0.22	0.25	0.71	0.08	0.029	0.17	0.085	0.133	0.308	0.611
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/90-03/18/92	12 ##	0.008	0.024	0.07	0.005	0.001	0.026	0.005	0.005	0.045	0.07
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	13	108.	106.154	155.	65.	756.974	27.513	66.2	81.	121.	151.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/23/90-09/18/92	13	39.	36.385	52.	23.	72.923	8.54	23.4	28.	42.	48.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/23/90-09/18/92	13	3.	3.746	10.9	1.5	5.283	2.298	1.86	2.45	4.	8.14
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/23/90-09/18/92	13	3.	4.115	11.	2.	5.423	2.329	2.2	3.	5.	8.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/23/90-09/18/92	13	2.	2.231	9.	0.5	4.984	2.232	0.5	1.	3.	6.6
00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/90-09/18/92	13 ##	2.5	4.192	21.	2.5	26.439	5.142	2.5	2.5	2.5	15.
00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/90-09/18/92	13	17.	15.385	22.	7.	18.256	4.273	8.2	12.	18.	21.2
00951	FLUORIDE, TOTAL (MG/L AS F)	04/12/90-09/18/92	12	0.18	0.177	0.3	0.11	0.002	0.05	0.116	0.133	0.188	0.276
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	9 ##	50.	55.556	100.	50.	277.778	16.667	50.	50.	50.	100.
01007	BARIUM, TOTAL (UG/L AS BA)	01/23/90-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	8 ##	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

Parameter Inventory for Station: PECO0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/90-03/18/92	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	5 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	01/23/90-03/18/92	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	01/23/90-03/18/92	9	100.	188.333	570.	25.	37812.5	194.454	25.	50.	330.	570.
01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	9 ##	50.	77.778	300.	50.	6944.444	83.333	50.	50.	50.	300.
01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01051	LEAD, TOTAL (UG/L AS PB)	01/23/90-03/18/92	9 ##	2.5	2.778	5.	2.5	0.694	0.833	2.5	2.5	2.5	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/23/90-03/18/92	9 ##	25.	27.778	50.	25.	69.444	8.333	25.	25.	25.	50.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	9 ##	25.	27.778	50.	25.	69.444	8.333	25.	25.	25.	50.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	01/23/90-03/18/92	9 ##	50.	41.667	50.	25.	156.25	12.5	25.	25.	50.	50.
01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	9 ##	0.5	17.	50.	0.5	612.563	24.75	0.5	0.5	50.	50.
01077	SILVER, TOTAL (UG/L AS AG)	01/23/90-03/18/92	9 ##	0.5	11.5	50.	0.5	476.438	21.827	0.5	0.5	25.25	50.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	8	200.	168.75	200.	50.	3526.786	59.387	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	5	200.	200.	200.	200.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	8 ##	50.	81.25	300.	50.	7812.5	88.388	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	9	70.	82.222	280.	25.	6681.944	81.743	25.	25.	105.	280.
01092	ZINC, TOTAL (UG/L AS ZN)	01/23/90-03/18/92	9 ##	25.	85.	380.	25.	13287.5	115.271	25.	25.	100.	380.
01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/12/90-03/18/92	8	175.	328.75	1000.	50.	130183.929	360.81	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	9 ##	50.	122.222	500.	50.	21319.444	146.012	50.	50.	125.	500.
01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	8	3250.	2575.	4100.	400.	2499285.714	1580.913	**	**	**	**
01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	5	1300.	1140.	2300.	300.	728000.	853.229	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/23/90-09/18/92	13	136.	125.692	158.	84.	634.564	25.191	87.2	101.	145.	157.2
71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	01/23/90-03/18/92	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	8	41.	11526.	52000.	21.	463031174.	21518.159	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	8	4.	1002.5	4100.	2.	3425717.143	1850.869	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/90-12/05/91	10	3.5	4.58	17.	0.4	25.317	5.032	0.42	0.75	6.275	16.1
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-09/18/92	11	1.3	4.127	30.	0.1	75.784	8.705	0.16	0.5	3.2	25.02

** - 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: PECO0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
00400	PH	Other-Hi Lim.	9.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	13	0	0.00	3	0	0.00	5	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	13	0	0.00	3	0	0.00	5	0	0.00	5	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	12	0	0.00	2	0	0.00	5	0	0.00	5	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	0	0.00	3	0	0.00	5	0	0.00	5	0	0.00			
		Drinking Water	250.	13	0	0.00	3	0	0.00	5	0	0.00	5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	13	0	0.00	3	0	0.00	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

EPA Water Quality Criteria Analysis for Station: PECO0016

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	12	0	0.00	3	0	0.00	4	0	0.00	5	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	50.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	5	0	0.00				3	0	0.00	2	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	5.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	5.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	15.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	15.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	100.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	6 &	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	7 &	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	100.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	1	0.11	2	0	0.00	4	1	0.25	3	0	0.00			
		Drinking Water	5000.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	9	1	0.11	1	0	0.00	4	1	0.25	4	0	0.00			
		Drinking Water	5000.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	50.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	2.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	2.	9	0	0.00	1	0	0.00	4	0	0.00	4	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	10	0	0.00	2	0	0.00	4	0	0.00	4	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	3	0	0.00	5	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: PECO0017

NPS Station ID: PECO0017
LAT/LON: 35.620837/-105.699726
Agency: 21NMEX
Date Created: 03/30/91
Location: HATCHERY RACEWAY D1
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /CANAL/TYPA/AMBNT
STORET Station ID(s): LSFHRD1 /PEC150
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2146
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region: 21G
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 8.10
On/Off RF1:
RF3 Index: 13060001081000.00
RF3 Mile Point: 2.11
Distance from RF3: 0.13
On/Off RF3:
Description:
RACEWAY IS IN LISBOA SPRGS FISH HATCHERY ABV PECOS, NM

Parameter Inventory for Station: PECO0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-12/05/91	9	8.	8.533	15.	4.5	11.708	3.422	4.5	5.75	11.1	15.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	2	5.35	5.35	6.2	4.5	1.445	1.202	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/18/92	12	5.	7.708	50.	0.	184.612	13.587	0.	2.5	5.	38.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/90-12/05/91	9	160.	154.222	190.	100.	666.694	25.82	100.	140.	168.	190.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/23/90-09/18/92	12	242.	231.833	295.	134.	2531.424	50.313	135.2	211.5	258.5	291.1
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	5	8.2	7.52	8.3	6.2	0.987	0.993	**	**	**	**
00400	PH (STANDARD UNITS)	01/23/90-12/05/91	9	7.86	7.751	7.97	7.4	0.053	0.229	7.4	7.5	7.935	7.97
00400	CONVERTED PH (STANDARD UNITS)	01/23/90-12/05/91	9	7.86	7.693	7.97	7.4	0.056	0.237	7.4	7.5	7.935	7.97
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-12/05/91	9	0.014	0.02	0.04	0.011	0.	0.012	0.011	0.012	0.032	0.04
00403	PH, LAB, STANDARD UNITS SU	01/23/90-09/18/92	12	7.65	7.567	7.9	6.9	0.093	0.306	6.99	7.35	7.8	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-09/18/92	12	7.647	7.452	7.9	6.9	0.108	0.328	6.99	7.35	7.8	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-09/18/92	12	0.023	0.035	0.126	0.013	0.001	0.032	0.013	0.016	0.045	0.107
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	12	104.5	100.417	136.	56.	526.992	22.956	56.9	94.25	114.5	129.7
00440	BICARBONATE ION (MG/L AS HCO3)	01/23/90-09/18/92	12	127.5	122.333	166.	69.	775.152	27.842	69.9	114.75	139.5	158.2
00445	CARBONATE ION (MG/L AS CO3)	09/06/90-09/18/92	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/90-09/18/92	12 ##	2.25	6.917	49.	1.5	180.129	13.421	1.5	1.5	6.5	36.4
00600	NITROGEN, TOTAL (MG/L AS N)	01/23/90-03/18/92	11	0.61	0.633	0.92	0.23	0.062	0.249	0.244	0.37	0.85	0.914
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	11	0.21	0.211	0.49	0.	0.028	0.168	0.	0.02	0.35	0.472
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/23/90-03/18/92	11	0.4	0.358	0.6	0.05	0.02	0.14	0.082	0.3	0.43	0.568
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/90-03/18/92	11	0.6	0.601	0.81	0.42	0.024	0.156	0.422	0.44	0.75	0.808
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/23/90-03/18/92	11	0.11	0.106	0.24	0.02	0.004	0.062	0.02	0.05	0.13	0.22
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/23/90-03/18/92	11	0.45	0.408	0.71	0.105	0.038	0.196	0.109	0.22	0.55	0.682
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/90-03/18/92	11	0.04	0.063	0.32	0.005	0.008	0.091	0.006	0.01	0.07	0.278
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/90-09/18/92	12	121.	117.333	156.	67.	603.333	24.563	69.7	111.25	133.25	149.7
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/23/90-09/18/92	12	41.5	40.9	56.	22.8	83.102	9.116	23.76	38.25	46.75	53.6
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/23/90-09/18/92	12	4.	3.65	4.8	2.4	0.488	0.699	2.52	3.	4.	4.62
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/23/90-09/18/92	12	3.	3.375	5.	2.	1.051	1.025	2.15	3.	4.5	5.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/23/90-09/18/92	12	1.5	1.75	3.	0.5	1.068	1.034	0.5	1.	3.	3.
00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/90-09/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/90-09/18/92	12	17.5	16.	20.	8.	11.091	3.33	9.2	14.25	18.	19.4
00951	FLUORIDE, TOTAL (MG/L AS F)	04/12/90-09/18/92	11	0.16	0.165	0.24	0.13	0.001	0.031	0.132	0.14	0.17	0.232
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/90-03/18/92	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01007	BARIUM, TOTAL (UG/L AS BA)	01/23/90-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	8 ##	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

Parameter Inventory for Station: PECO0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/90-03/18/92	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/90-03/18/92	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	5 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	9 ##	25.	27.778	50.	25.	69.444	8.333	25.	25.	25.	50.
01042	COPPER, TOTAL (UG/L AS CU)	01/23/90-03/18/92	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/23/90-03/18/92	8 ##	50.	101.875	290.	25.	8813.839	93.882	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	9 ##	50.	94.444	400.	50.	13402.778	115.77	50.	50.	75.	400.
01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01051	LEAD, TOTAL (UG/L AS PB)	01/23/90-03/18/92	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/23/90-03/18/92	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	01/23/90-03/18/92	8 ##	50.	43.75	50.	25.	133.929	11.573	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	9 ##	0.5	17.	50.	0.5	612.563	24.75	0.5	0.5	50.	50.
01077	SILVER, TOTAL (UG/L AS AG)	01/23/90-03/18/92	8 ##	0.5	12.875	50.	0.5	525.054	22.914	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	8	200.	168.75	200.	50.	3526.786	59.387	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	5	200.	200.	200.	200.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	8 ##	50.	100.	400.	50.	15000.	122.474	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	9	70.	70.111	240.	25.	4640.111	68.118	25.	25.	75.5	240.
01092	ZINC, TOTAL (UG/L AS ZN)	01/23/90-03/18/92	8 ##	25.	59.875	224.	25.	4731.554	68.786	**	**	**	**
01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	5 ##	50.	80.	200.	50.	4500.	67.082	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/12/90-03/18/92	7 ##	100.	142.857	300.	50.	12857.143	113.389	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	9 ##	50.	116.667	500.	50.	21875.	147.902	50.	50.	125.	500.
01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	8	1000.	1868.75	4100.	50.	3259241.071	1805.337	**	**	**	**
01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	5	1700.	1280.	2100.	300.	742000.	861.394	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/90-03/18/92	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/23/90-09/18/92	12	140.	145.083	211.	112.	703.174	26.517	113.8	123.5	158.	196.3
71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	01/23/90-03/18/92	8 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	8	45.	6202.875	44000.	21.	236766251.839	15387.211	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	8	4.	1014.875	4100.	2.	3510042.125	1873.511	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/90-12/05/91	9	1.4	3.922	17.	0.2	26.842	5.181	0.2	1.15	4.6	17.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-09/18/92	11	1.	4.309	34.	0.1	98.761	9.938	0.1	0.2	3.4	28.06

** - 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: PECO0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00			
00400	PH	Other-Hi Lim.	9.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	12	0	0.00	3	0	0.00	5	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	3	0	0.00	5	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	2	0	0.00	5	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	0	0.00	3	0	0.00	5	0	0.00	4	0	0.00			
		Drinking Water	250.	12	0	0.00	3	0	0.00	5	0	0.00	4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	12	0	0.00	3	0	0.00	5	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: PECO0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	11	0	0.00	3	0	0.00	4	0	0.00	4	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	5	0	0.00				3	0	0.00	2	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	5.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	5.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1 &	1	1.00	1	1	1.00									
		Drinking Water	1300.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	15.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	15.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	100.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	6 &	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	100.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	6 &	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	9	1	0.11	2	0	0.00	4	1	0.25	3	0	0.00			
		Drinking Water	5000.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	1	0.13	1	0	0.00	4	1	0.25	3	0	0.00			
		Drinking Water	5000.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	2.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	2.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	11	0	0.00	3	0	0.00	5	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: PECO0018

NPS Station ID: PECO0018
LAT/LON: 35.621393/-105.700559
Agency: 21NMEX
Date Created: 11/23/91
Location: HATCHERY RACEWAY A-8
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /CANAL/TYPA/AMBNT
STORET Station ID(s): LSFHRA8 /PEC170
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2146
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region: 21G
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 3.90
On/Off RF1:
RF3 Index: 13060001002105.97
RF3 Mile Point: 16.12
Distance from RF3: 0.18
On/Off RF3:
Description:
HATCHERY RACEWAY IS IN LISBOA SPRINGS FISH HATCHERY ABOVE PECOS, NM

Parameter Inventory for Station: PECO0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	12/08/92-12/08/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/08/92-12/08/92	1	210.	210.	210.	210.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/08/92-12/08/92	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/08/92-12/08/92	1	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/08/92-12/08/92	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/08/92-12/08/92	1	99.	99.	99.	99.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/08/92-12/08/92	1	121.	121.	121.	121.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	12/08/92-12/08/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/08/92-12/08/92	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/08/92-12/08/92	1	116.	116.	116.	116.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/08/92-12/08/92	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/08/92-12/08/92	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/08/92-12/08/92	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/08/92-12/08/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/08/92-12/08/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/08/92-12/08/92	1	17.	17.	17.	17.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	12/08/92-12/08/92	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/15/91-03/16/91	13 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01007	BARIUM, TOTAL (UG/L AS BA)	03/15/91-03/16/91	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	03/15/91-03/16/91	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01022	BORON, TOTAL (UG/L AS B)	03/15/91-03/16/91	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01027	CADMIUM, TOTAL (UG/L AS CD)	03/15/91-03/16/91	13 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/15/91-03/16/91	13 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01037	COBALT, TOTAL (UG/L AS CO)	03/15/91-03/16/91	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	03/15/91-03/16/91	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	03/15/91-03/16/91	13	100.	146.154	300.	100.	4358.974	66.023	100.	100.	200.	260.
01051	LEAD, TOTAL (UG/L AS PB)	03/15/91-03/16/91	13 ##	2.5	3.385	14.	2.5	10.173	3.19	2.5	2.5	2.5	9.4
01055	MANGANESE, TOTAL (UG/L AS MN)	03/15/91-03/16/91	13 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	03/15/91-03/16/91	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	03/15/91-03/16/91	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01077	SILVER, TOTAL (UG/L AS AG)	03/15/91-03/16/91	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01082	STRONTIUM, TOTAL (UG/L AS SR)	03/15/91-03/16/91	13	200.	200.	200.	200.	0.	0.	200.	200.	200.	200.
01092	ZINC, TOTAL (UG/L AS ZN)	03/15/91-03/16/91	13	120.	120.769	140.	110.	74.359	8.623	110.	115.	125.	136.
01102	TIN, TOTAL (UG/L AS SN)	03/15/91-03/16/91	13 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/15/91-03/16/91	13	200.	223.077	300.	200.	1923.077	43.853	200.	200.	250.	300.
01142	SILICON, TOTAL (UG/L AS SI)	03/15/91-03/16/91	13	200.	253.846	1000.	100.	52692.308	229.548	100.	200.	200.	720.

** - 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: PECO0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01147	SELENIUM, TOTAL (UG/L AS SE)	03/15/91-03/16/91	13 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/08/92-12/08/92	1	146.	146.	146.	146.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/15/91-03/16/91	13 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	12/08/92-12/08/92	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: PECO0018

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 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						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00				1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00				1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	13	0	0.00							13	0	0.00			
		Drinking Water	50.	13	0	0.00							13	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	13	0	0.00							13	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	13	0	0.00							13	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01027	CADMIUM, TOTAL	Fresh Acute	3.9	13	0	0.00							13	0	0.00			
		Drinking Water	5.	13	0	0.00							13	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	13	0	0.00							13	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	13	0	0.00							13	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	13	0	0.00							13	0	0.00			
		Drinking Water	15.	13	0	0.00							13	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	13	0	0.00							13	0	0.00			
		Drinking Water	100.	13	0	0.00							13	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	0 &	0	0.00												
		Drinking Water	100.	13	0	0.00							13	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	13	10	0.77							13	10	0.77			
		Drinking Water	5000.	13	0	0.00							13	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	13	0	0.00							13	0	0.00			
		Drinking Water	50.	13	0	0.00							13	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	13	0	0.00							13	0	0.00			
		Drinking Water	2.	13	0	0.00							13	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: PECO0019

NPS Station ID: PECO0019
LAT/LON: 35.654448/-105.682227
Agency: 113FORS3
Date Created: 07/21/79
Location: PECOS AT DALTON FISHING SITE
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 352042
RMI-Indexes: 1202001 000001
Within Park Boundary: No
RMI-Miles: 0500.00 0782.00
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: PECOS RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER PECOS RIVER
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 24.970
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13060001079800.00
RF3 Mile Point: 1.14
Distance from RF3: 0.85
On/Off RF3:
Description:
STN ESTAB 7/20/67. STATION IS LOCATED AT THE DALTON FISHING SITE, WHICH IS 4.5 MILES (7.2 KM) UPSTREAM FROM THE FOREST BOUNDARY ALONG STATE HIGHWAY 63. T17N, R12E, SEC. 32, SE1/4, NMPM, SANTA FE NATIONAL FOREST, SAN MIGUEL CO., N.M. ELEV. 7200 FT (2195 M). DRAINAGE AREA 173 SQ MI (448 SQ KM). PURPOSE: TO MONITOR THE EFFECTS OF SUMMER HOME USE,

Parameter Inventory for Station: PECO0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/20/67-11/16/70	14	50.	47.714	66.	31.	142.374	11.932	31.5	34.5	57.	64.
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/20/67-11/16/70	13	65.	58.077	78.	24.	298.41	17.275	28.4	40.5	70.	76.8
00060	FLOW, STREAM, MEAN DAILY CFS	07/20/67-11/16/70	14	66.	119.929	630.	20.	25162.225	158.626	21.5	30.	145.25	426.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/20/67-11/16/70	13	0.	7.923	40.	0.	182.744	13.518	0.	0.	15.	36.
00300	OXYGEN, DISSOLVED MG/L	07/20/67-11/16/70	14	9.	9.929	14.	8.	3.841	1.96	8.25	8.875	10.5	14.
00400	PH (STANDARD UNITS)	07/20/67-11/16/70	13	8.4	8.303	8.6	7.8	0.063	0.252	7.84	8.1	8.5	8.56
00400	CONVERTED PH (STANDARD UNITS)	07/20/67-11/16/70	13	8.4	8.226	8.6	7.8	0.07	0.264	7.84	8.1	8.5	8.56
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/67-11/16/70	13	0.004	0.006	0.016	0.003	0.	0.004	0.003	0.003	0.008	0.015
00405	CARBON DIOXIDE (MG/L AS CO2)	07/20/67-11/16/70	13	4.	4.077	5.	4.	0.077	0.277	4.	4.	4.	4.6
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/67-11/16/70	13	75.	73.462	100.	0.	730.769	27.033	20.	62.5	92.5	100.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/20/67-11/16/70	13	0.	8.077	105.	0.	848.077	29.122	0.	0.	0.	63.
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	05/22/69-05/22/69	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/22/69-05/22/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/20/67-12/01/69	7	100.	99.286	130.	55.	636.905	25.237	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/13/70-11/16/70	3	100.	86.667	100.	60.	533.333	23.094	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/01/68-11/16/70	3	3.	3.367	7.	0.1	12.003	3.465	**	**	**	**
00655	PHOSPHATE, POLY (MG/L AS PO4)	10/01/68-11/16/70	3	0.1	0.123	0.2	0.07	0.005	0.068	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/01/68-11/16/70	3	0.1	1.7	5.	0.	8.17	2.858	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/67-11/16/70	14	82.5	85.714	130.	50.	549.451	23.44	52.5	70.	101.25	125.
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/20/67-11/16/70	14	75.	71.786	95.	40.	310.027	17.608	40.	61.25	85.	92.5
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/67-11/16/70	14	3.	2.571	5.	0.	4.418	2.102	0.	0.	4.25	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/67-11/16/70	14	10.	13.357	55.	3.	157.632	12.555	3.5	8.75	13.5	36.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/01/68-11/16/70	3	0.2	0.167	0.3	0.	0.023	0.153	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/01/68-11/16/70	3	0.04	0.037	0.04	0.03	0.	0.006	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/20/67-11/16/70	14	30.	68.571	300.	0.	8597.802	92.724	0.	0.	112.5	250.
01045	IRON, TOTAL (UG/L AS FE)	07/20/67-11/16/70	14	50.	57.857	200.	0.	3479.67	58.989	0.	0.	100.	155.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/67-11/16/70	14	0.	107.143	500.	0.	26098.901	161.552	0.	0.	250.	375.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/22/69-08/02/71	9 ##	50.	334.889	2500.	4.	667588.861	817.061	4.	5.	175.	2500.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/22/69-08/02/71	9 ##	1.699	1.63	3.398	0.602	0.832	0.912	0.602	0.699	2.088	3.398
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			42.668								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/22/69-03/06/72	10 ##	5.	5.5	10.	0.	8.056	2.838	0.5	5.	6.25	10.

** - 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: PECO0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/22/69-03/06/72	10 ##	0.699	0.689	1.	0.	0.074	0.273	0.07	0.699	0.774	1.
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			4.89								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/22/69-08/02/71	9 ##	5.	448.333	4000.	0.	1773893.75	1331.876	0.	5.	5.	4000.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/22/69-08/02/71	9 ##	0.699	0.944	3.602	0.	1.047	1.023	0.	0.699	0.699	3.602
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			8.788								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/01/68-11/16/70	3	0.	0.	0.	0.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	10/01/68-11/16/70	3	0.	0.	0.	0.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	10/01/68-11/16/70	3	0.1	0.133	0.3	0.	0.023	0.153	**	**	**	**

** - 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: PECO0019

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-10/14---------- Obs	Exceed	Prop.	----------10/15-3/14---------- Obs	Exceed	Prop.	----------3/15-5/19---------- Obs	Exceed	Prop.	----------5/20-7/14---------- Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	13	0	0.00	6	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	14	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00
00400	PH	Other-Hi Lim.	9.	13	0	0.00	7	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	13	0	0.00	7	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	14	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	250.	14	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	2	0	0.00	1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	14	7	0.50	7	4	0.57	4	2	0.50	2	1	0.50	1	0	0.00
		Drinking Water	1300.	14	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	9	1	0.11	4	1	0.25	2	0	0.00	2	0	0.00	1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	0	0.00	4	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	3	0	0.00	2	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: PECO0020

NPS Station ID: PECO0020 LAT/LON: 35.658503/-105.688893 Agency: 21NMEX Date Created: 01/09/82
Location: DALTON CANYON CREEK 20 M WEST OF HWY 63 BRDG FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PECOSCON02
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 13060001 Depth of Water: 3 Aquifer:
Major Basin: WESTERN GULF Elevation: 0 Water Body Id:
Minor Basin: UPPER PECOS RIVER ECO Region:
RF1 Index: 13060001020 RF1 Mile Point: 25.170 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 13060001002020.30 RF3 Mile Point: 20.29 Distance from RF3: 0.06 On/Off RF3:
Description:
ESTABLISHED OCT,1980 AS PART OF COOPERATIVE STUDY WITH SANTA FE NATIONAL FOREST STAFF TO ASSESS AMBIENT WATER QUALITY PRIOR TO DEVELOPMENT AND MINING OF HEAVY METALS (SULFIDE DEPOSITS) IN NATIONAL FOREST. SEDIMENT AND WATER SAMPLES ARE PLANNED.

Parameter Inventory for Station: PECO0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/81-02/28/88	6	9.2	7.283	10.9	1.5	16.382	4.047	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/26/87-08/02/87	3	0.8	4.167	11.	0.7	35.023	5.918	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/26/87-02/28/88	5	5.	14.	50.	0.	417.5	20.433	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/26/87-02/28/88	2	104.5	104.5	145.	64.	3280.5	57.276	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/81-02/28/88	8	207.	219.75	369.	95.	6288.214	79.298	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/17/81-11/24/81	3	8.3	8.9	10.2	8.2	1.27	1.127	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/17/81-11/24/81	3	97.	96.667	98.	95.	2.333	1.528	**	**	**	**
00400	PH (STANDARD UNITS)	08/17/81-02/28/88	6	8.05	8.	8.2	7.7	0.032	0.179	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/17/81-02/28/88	6	8.047	7.967	8.2	7.7	0.033	0.183	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/17/81-02/28/88	6	0.009	0.011	0.02	0.006	0.	0.005	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/26/87-02/28/88	5	8.3	8.2	8.5	7.8	0.07	0.265	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/26/87-02/28/88	5	8.3	8.131	8.5	7.8	0.076	0.276	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/26/87-02/28/88	5	0.005	0.007	0.016	0.003	0.	0.005	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/26/87-02/28/88	5	82.	102.8	168.	32.	3123.7	55.89	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/17/81-02/28/88	8	116.5	126.75	195.	39.	2651.071	51.489	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	04/26/87-02/28/88	5	0.	1.2	5.	0.	4.7	2.168	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/81-02/28/88	8 ##	1.5	2.375	9.	0.5	7.696	2.774	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	04/26/87-02/28/88	5 ##	0.12	0.146	0.29	0.09	0.007	0.083	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/26/87-02/28/88	5	0.01	0.094	0.4	0.	0.03	0.173	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/17/81-02/28/88	8 ##	0.05	0.08	0.27	0.005	0.008	0.088	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/26/87-02/28/88	5 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/26/87-02/28/88	5 ##	0.02	0.026	0.05	0.02	0.	0.013	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/17/81-02/28/88	8	0.17	0.221	0.5	0.05	0.03	0.172	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/81-11/24/81	3 ##	0.005	0.01	0.02	0.005	0.	0.009	**	**	**	**
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/26/87-02/28/88	5 ##	0.09	0.108	0.18	0.09	0.002	0.04	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/17/81-02/28/88	8	0.015	0.022	0.07	0.005	0.	0.021	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/26/87-02/28/88	5	108.	125.	202.	43.	4056.5	63.691	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/17/81-02/28/88	8	39.2	40.963	66.4	14.2	285.771	16.905	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/17/81-02/28/88	8	4.45	4.7	8.8	1.7	6.034	2.456	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/17/81-02/28/88	8	3.3	4.525	16.1	1.	24.114	4.911	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/17/81-02/28/88	8	0.59	0.663	1.17	0.39	0.099	0.314	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/81-02/28/88	8 ##	2.5	2.563	3.	2.	0.103	0.32	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/17/81-02/28/88	8	17.5	18.625	29.	10.	45.982	6.781	**	**	**	**

** - 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: PECO0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002	ARSENIC, TOTAL (UG/L AS AS)	08/17/81-02/28/88	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/17/81-02/28/88	8 ##	50.	56.25	100.	50.	312.5	17.678	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/17/81-11/24/81	3 ##	0.5	2.	5.	0.5	6.75	2.598	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/17/81-02/28/88	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/17/81-02/28/88	8 ##	2.5	2.813	5.	2.5	0.781	0.884	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/17/81-02/28/88	8 ##	25.	31.25	50.	25.	133.929	11.573	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/17/81-02/28/88	8 ##	60.	168.75	860.	25.	79919.643	282.701	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/17/81-02/28/88	8 ##	5.	4.063	5.	2.5	1.674	1.294	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/17/81-02/28/88	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/17/81-02/28/88	8 ##	5.	4.688	5.	2.5	0.781	0.884	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/26/87-02/28/88	5 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/17/81-02/28/88	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/17/81-02/28/88	8 ##	25.	31.25	50.	25.	133.929	11.573	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/17/81-02/28/88	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/17/81-02/28/88	8	147.	151.375	234.	76.	3515.982	59.296	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	08/17/81-02/28/88	8 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/26/87-02/28/88	3	1.3	7.367	20.5	0.3	129.613	11.385	**	**	**	**

** - 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: PECO0020

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	2	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	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						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	250.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	50.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	4.	2 &	0	0.00	1	0	0.00	1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	5.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	15.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	100.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	100.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	5000.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	50.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	2.	8	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	3	0	0.00	1	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: PECO0021

NPS Station ID: PECO0021
LAT/LON: 35.663060/-105.682227
Agency: 21NMEX
Date Created: / /
Location: PECOS R AT DALTON FISHING SITE
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UPR082
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 4
Aquifer:
Major Basin: WESTERN GULF
Elevation: 0
Water Body Id:
Minor Basin: PECOS RIVER MAIN STEM
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 25.490
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13060001002027.27
RF3 Mile Point: 28.31
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0021

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-09/30/76	34	13.	12.953	20.5	6.6	7.997	2.828	8.85	11.425	14.85	16.75
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-08/24/72	14	2.15	5.2	20.	0.9	40.097	6.332	0.95	1.175	6.525	19.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/30/76	36	146.	146.611	209.	114.	451.502	21.249	118.7	131.75	160.75	173.6
00300	OXYGEN, DISSOLVED MG/L	06/29/71-07/27/72	7	7.2	7.5	8.2	7.	0.267	0.516	**	**	**	**
00400	PH (STANDARD UNITS)	06/29/71-08/24/72	15	8.3	8.277	8.52	8.07	0.016	0.128	8.088	8.17	8.38	8.46
00400	CONVERTED PH (STANDARD UNITS)	06/29/71-08/24/72	15	8.3	8.26	8.52	8.07	0.017	0.129	8.088	8.17	8.38	8.46
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/71-08/24/72	15	0.005	0.005	0.009	0.003	0.	0.002	0.003	0.004	0.007	0.008
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	08/24/76-08/24/76	1 ##	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-09/30/76	1	0.042	0.042	0.042	0.042	0.	0.	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	08/24/76-08/24/76	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-09/30/76	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/24/76-08/24/76	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/24/76-09/30/76	2	0.011	0.011	0.011	0.01	0.	0.001	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	08/24/76-08/24/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/27/72	2	5.3	5.3	7.6	3.	10.58	3.253	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	47	17.	53.096	760.	1.	15912.366	126.144	2.9	8.	40.	105.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	47	1.23	1.271	2.881	0.	0.346	0.588	0.461	0.903	1.602	2.022
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			18.646								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/72-08/01/72	3	190.	344.	680.	162.	84868.	291.321	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/24/72-08/01/72	3	2.279	2.44	2.833	2.21	0.117	0.341	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			275.587								

** - 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: PECO0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	14	0	0.00	8	0	0.00							6	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	2	0	0.00							5	0	0.00
00400	PH	Other-Hi Lim.	9.	15	0	0.00	7	0	0.00							8	0	0.00
		Other-Lo Lim.	6.5	15	0	0.00	7	0	0.00							8	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	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									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	47	2	0.04	23	1	0.04							24	1	0.04

& - 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: PECO0022

NPS Station ID: PECO0022
LAT/LON: 35.665976/-105.638615
Agency: 21NMEX
Date Created: 08/09/86
Location: UPPER COW CREEK AT 1ST BRIDGE ON FR92 ON SFNF
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UPR214.005025 /UPR214005025
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 0
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region:
RF1 Index: 13060001019
RF1 Mile Point: 21.950
Distance from RF1: 7.70
On/Off RF1: OFF
RF3 Index: 13060001057100.00
RF3 Mile Point: 0.43
Distance from RF3: 0.00
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0022

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: PECO0023

NPS Station ID: PECO0023
LAT/LON: 35.666392/-105.657503
Agency: 21NMEX
Date Created: 08/09/86
Location: PECOS R. IMMED ABV. MOUTH OF RIO MORA
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UPR214.008005 /UPR214008005
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 0
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region:
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 13060001002100.00
RF3 Mile Point: 0.11
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/05/86-09/06/90	12	7.75	7.242	11.9	0.5	15.161	3.894	0.8	4.45	10.825	11.78
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/09/87-08/02/87	3	0.7	1.673	4.3	0.02	5.29	2.3	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-02/28/88	5	5.	7.6	25.	0.	98.8	9.94	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	09/06/90-09/06/90	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/05/86-09/06/90	11	110.	105.273	148.	65.	520.018	22.804	67.	88.	116.	143.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/05/86-09/06/90	13	154.	157.692	215.	86.	1622.731	40.283	91.6	137.5	198.5	214.2
00400	PH (STANDARD UNITS)	04/05/86-09/06/90	12	8.05	7.969	8.3	7.3	0.08	0.282	7.39	7.9	8.182	8.27
00400	CONVERTED PH (STANDARD UNITS)	04/05/86-09/06/90	12	8.047	7.865	8.3	7.3	0.092	0.303	7.39	7.9	8.182	8.27
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/05/86-09/06/90	12	0.009	0.014	0.05	0.005	0.	0.013	0.005	0.007	0.013	0.043
00403	PH, LAB, STANDARD UNITS SU	02/09/87-09/06/90	6	8.15	8.1	8.4	7.7	0.096	0.31	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/09/87-09/06/90	6	8.125	8.009	8.4	7.7	0.106	0.325	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/09/87-09/06/90	6	0.008	0.01	0.02	0.004	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/06/90	9	81.	76.556	91.	37.	321.778	17.938	37.	65.5	90.5	91.
00440	BICARBONATE ION (MG/L AS HCO3)	07/20/86-09/06/90	9	99.	93.333	111.	45.	475.5	21.806	45.	80.	109.5	111.
00445	CARBONATE ION (MG/L AS CO3)	02/09/87-09/06/90	6	0.	0.167	1.	0.	0.167	0.408	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/05/86-09/06/90	13	4.	7.654	30.	1.5	70.141	8.375	1.5	1.5	12.5	24.4
00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-09/06/90	13 ##	0.2	0.301	1.43	0.07	0.135	0.367	0.078	0.113	0.295	1.094
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-09/06/90	6	0.	0.04	0.23	0.	0.009	0.093	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/05/86-09/06/90	13 ##	0.05	0.111	0.33	0.05	0.009	0.095	0.05	0.05	0.16	0.306
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-02/28/88	5 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/02/86-02/28/88	10 ##	0.02	0.069	0.43	0.02	0.016	0.128	0.02	0.02	0.05	0.395
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/05/86-09/06/90	13	0.29	0.323	0.96	0.05	0.077	0.278	0.05	0.085	0.47	0.86
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/05/86-09/06/90	8 ##	0.02	0.087	0.47	0.02	0.024	0.156	**	**	**	**
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-09/06/90	13 ##	0.09	0.139	0.37	0.07	0.009	0.094	0.07	0.07	0.203	0.328
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/05/86-09/06/90	13 ##	0.005	0.015	0.04	0.005	0.	0.013	0.005	0.005	0.03	0.036
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-09/06/90	6	110.	99.667	130.	55.	725.867	26.942	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/86-09/06/90	9	36.	32.378	39.	15.	58.014	7.617	15.	28.	37.2	39.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/86-09/06/90	9	4.2	4.489	9.8	1.	6.516	2.553	1.	2.65	5.65	9.8
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/02/86-09/06/90	12 ##	4.8	5.296	12.65	1.	12.677	3.56	1.39	2.5	6.425	12.305
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/86-09/06/90	9 ##	0.25	0.857	2.5	0.15	0.834	0.913	0.15	0.2	1.78	2.5
00940	CHLORIDE,TOTAL IN WATER MG/L	04/05/86-09/06/90	13 ##	2.5	2.462	5.	0.5	1.769	1.33	0.5	2.	2.5	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	02/09/87-09/06/90	6	16.	15.	22.	5.	33.2	5.762	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/05/86-10/31/86	7	15.9	13.129	20.	6.	39.382	6.276	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	09/06/90-09/06/90	1	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-09/06/90	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	04/05/86-09/06/90	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-09/06/90	1	100.	100.	100.	100.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/05/86-09/06/90	11 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	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

Parameter Inventory for Station: PECO0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-09/06/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/05/86-09/06/90	11 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-09/06/90	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/05/86-09/06/90	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-09/06/90	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/20/86-09/06/90	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/20/86-09/06/90	8	140.	202.5	570.	25.	41414.286	203.505	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-09/06/90	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-09/06/90	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/05/86-09/06/90	11 ##	5.	4.773	5.	2.5	0.568	0.754	3.	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/86-09/06/90	8 ##	25.	28.125	50.	25.	78.125	8.839	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-09/06/90	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/20/86-02/28/88	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-09/06/90	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/20/86-09/06/90	8 ##	25.	28.125	50.	25.	78.125	8.839	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-09/06/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	04/05/86-09/06/90	11 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-09/06/90	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/20/86-09/06/90	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/06/90-09/06/90	1 ##	150.	150.	150.	150.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-09/06/90	1 ##	150.	150.	150.	150.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-09/06/90	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/05/86-09/06/90	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/05/86-09/06/90	13	123.	117.077	140.	63.	435.41	20.866	76.2	108.5	133.	138.4
71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-09/06/90	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/05/86-09/06/90	11 ##	0.25	0.273	0.5	0.25	0.006	0.075	0.25	0.25	0.25	0.45
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/05/86-09/06/90	12	3.05	4.417	16.	0.6	20.251	4.5	0.66	1.125	6.5	13.57
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/06/90-09/06/90	1	1.	1.	1.	1.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: PECO0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00400	PH	Other-Hi Lim.	9.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	3	0	0.00	1	0	0.00	4	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	0	0.00	5	0	0.00	3	0	0.00	5	0	0.00			
		Drinking Water	250.	13	0	0.00	5	0	0.00	3	0	0.00	5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	7	0	0.00	2	0	0.00	1	0	0.00	4	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	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.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	50.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01007	BARIUM, TOTAL	Drinking Water	2000.	11	0	0.00	5	0	0.00	2	0	0.00	4	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									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	5.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	11	0	0.00	5	0	0.00	2	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: PECO0023

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
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.	0 &	0	0.00												
		Drinking Water	1300.	8	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	15.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	100.	1	0	0.00	1	0	0.00									
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	100.	8	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	100.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00									
		Drinking Water	5000.	1	0	0.00	1	0	0.00									
01092	ZINC, TOTAL	Fresh Acute	120.	8	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00			
		Drinking Water	5000.	8	0	0.00	5	0	0.00	2	0	0.00	1	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
01147	SELENIUM, TOTAL	Fresh Acute	20.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	50.	11	0	0.00	5	0	0.00	2	0	0.00	4	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									
71900	MERCURY, TOTAL	Fresh Acute	2.4	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	2.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	12	0	0.00	4	0	0.00	3	0	0.00	5	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: PECO0024

NPS Station ID: PECO0024 LAT/LON: 35.675754/-105.692531 Agency: 21NMEX Date Created: 01/09/82
Location: MACHO CANYON CREEK 10M WEST OF HWY 63 BRDG FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): PECOSCON03
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 13060001 Depth of Water: 3 Aquifer:
Major Basin: WESTERN GULF Elevation: 0 Water Body Id:
Minor Basin: UPPER PECOS RIVER ECO Region:
RF1 Index: 13060001020 RF1 Mile Point: 26.660 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 13060001002024.24 RF3 Mile Point: 25.28 Distance from RF3: 0.04 On/Off RF3:
Description:
ESTABLISHED OCT,1980 AS PART OF COOPERATIVE STUDY WITH SANTA FE NATIONAL FOREST STAFF TO ASSESS AMBIENT WATER QUALITY PRIOR TO DEVELOPMENT AND MINING OF HEAVY METALS (SULFIDE DEPOSITS) IN NATIONAL FOREST. SEDIMENT AND WATER SAMPLES ARE PLANNED.

Parameter Inventory for Station: PECO0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/17/81-11/24/81	3	9.5	7.733	10.8	2.9	17.943	4.236	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/17/81-11/24/81	3	134.	125.333	135.	107.	252.333	15.885	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/17/81-11/24/81	3	8.	8.467	9.6	7.8	0.973	0.987	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	08/17/81-11/24/81	3	95.	95.5	98.	93.5	5.25	2.291	**	**	**	**
00400	PH (STANDARD UNITS)	08/17/81-11/24/81	3	7.8	7.8	7.9	7.7	0.01	0.1	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/17/81-11/24/81	3	7.8	7.792	7.9	7.7	0.01	0.1	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/17/81-11/24/81	3	0.016	0.016	0.02	0.013	0.	0.004	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	08/17/81-11/24/81	3	74.	97.	144.	73.	1657.	40.706	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/17/81-11/24/81	3 ##	0.5	1.	2.	0.5	0.75	0.866	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/17/81-11/24/81	3	0.044	0.035	0.05	0.01	0.	0.022	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/17/81-11/24/81	3	0.26	0.25	0.37	0.12	0.016	0.125	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/17/81-11/24/81	3	0.01	0.028	0.07	0.005	0.001	0.036	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/17/81-11/24/81	3	0.03	0.06	0.13	0.02	0.004	0.061	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	08/17/81-11/24/81	3	24.8	30.233	46.4	19.5	203.043	14.249	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	08/17/81-11/24/81	3	4.	3.267	4.3	1.5	2.363	1.537	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	08/17/81-11/24/81	3	6.9	5.367	6.9	2.3	7.053	2.656	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	08/17/81-11/24/81	3	0.78	0.787	0.8	0.78	0.	0.012	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/17/81-11/24/81	3	4.	4.333	6.	3.	2.333	1.528	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/17/81-11/24/81	3	10.	13.	19.	10.	27.	5.196	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	08/17/81-11/24/81	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	08/17/81-11/24/81	3 ##	50.	150.	350.	50.	30000.	173.205	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	08/17/81-11/24/81	3 ##	0.5	2.	5.	0.5	6.75	2.598	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/17/81-11/24/81	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	08/17/81-11/24/81	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	08/17/81-11/24/81	3 ##	50.	41.667	50.	25.	208.333	14.434	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	08/17/81-11/24/81	3 ##	50.	133.333	300.	50.	20833.333	144.338	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	08/17/81-11/24/81	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	08/17/81-11/24/81	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	08/17/81-11/24/81	3 ##	5.	4.167	5.	2.5	2.083	1.443	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	08/17/81-11/24/81	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	08/17/81-11/24/81	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	08/17/81-11/24/81	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	08/17/81-11/24/81	3	108.	119.333	146.	104.	537.333	23.18	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: PECO0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
71900	MERCURY, TOTAL (UG/L AS HG)	08/17/81-11/24/81	3 ##	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: PECO0024

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	2	0	0.00	1	0	0.00						
00400	PH	Other-Hi Lim.	9.	3	0	0.00	2	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00	1	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						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	2	0	0.00	1	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	4.	2 &	0	0.00	1	0	0.00	1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	5.	3	0	0.00	2	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	3	0	0.00	2	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	15.	3	0	0.00	2	0	0.00	1	0	0.00						
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	5000.	3	0	0.00	2	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	2.	3	0	0.00	2	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: PECO0025

NPS Station ID: PECO0025
LAT/LON: 35.681392/-105.801670
Agency: 113FORS3
Date Created: 07/21/79
Location: SANTA FE R AT USGS GAGING STA
FIPS State/County: 35049 NEW MEXICO/SANTA FE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 352047 /FS031040
RMI-Indexes: 1201001 000029
Within Park Boundary: No
RMI-Miles: 1585.70 0033.20
HUC: 13020201
Depth of Water: 0
Aquifer:
Major Basin: RIO GRANDE
Elevation: 0
Water Body Id:
Minor Basin: SANTA FE RIVER
ECO Region:
RF1 Index: 13020201011
RF1 Mile Point: 38.220
Distance from RF1: 1.50
On/Off RF1: ON
RF3 Index: 130202010011120.00
RF3 Mile Point: 30.82
Distance from RF3: 0.18
On/Off RF3:
Description:
STN ESTAB 7/21/67. STN LOCATED AT THE USGS STN #0831600, WHICH IS 0.4 MI (0.64 KM) DOWNSTREAM FROM MCCLURE RESERVOIR. T17N, R10E, SEC. 23, SE1/4, NMPM, SANTA FE NATIONAL FOREST, SANTA FE CO., N.M. ELEV 7718 FT (2352 M). DRAINAGE AREA 18 SQ MI (47 SQ KM). PURPOSE: TO ESTABLISH BASELINE CONDITIONS AND COMPARE THE SANTA FE WATERSHED WITH OTHER

Parameter Inventory for Station: PECO0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/21/67-09/14/70	14	53.5	52.071	68.	36.	121.148	11.007	36.	41.	61.75	67.
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/21/67-09/14/70	13	65.	59.154	78.	28.	228.808	15.126	32.8	47.5	71.	76.8
00060	FLOW, STREAM, MEAN DAILY CFS	07/21/67-09/14/70	14	5.5	6.071	14.	0.	12.533	3.54	1.5	3.75	9.	12.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/21/67-09/14/70	14	0.	4.286	30.	0.	99.451	9.972	0.	0.	1.25	27.5
00300	OXYGEN, DISSOLVED MG/L	07/21/67-09/14/70	14	8.5	8.793	12.5	6.	2.631	1.622	6.75	8.	9.5	12.
00400	PH (STANDARD UNITS)	07/21/67-09/14/70	13	8.	7.985	8.4	7.5	0.106	0.326	7.54	7.65	8.3	8.4
00400	CONVERTED PH (STANDARD UNITS)	07/21/67-09/14/70	13	8.	7.877	8.4	7.5	0.119	0.345	7.54	7.65	8.3	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/67-09/14/70	13	0.01	0.013	0.032	0.004	0.	0.009	0.004	0.005	0.023	0.029
00405	CARBON DIOXIDE (MG/L AS CO2)	07/21/67-09/14/70	14	4.	3.929	5.	2.	0.379	0.616	3.	4.	4.	4.5
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/21/67-09/14/70	13	25.	25.385	40.	15.	39.423	6.279	17.	20.	30.	36.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/21/67-09/14/70	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	06/02/69-06/02/69	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	06/02/69-06/02/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/03/68-12/02/69	6	30.	30.	35.	25.	20.	4.472	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/25/70-09/14/70	3	25.	25.	25.	25.	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/03/68-09/14/70	3	5.	6.5	10.5	4.	12.25	3.5	**	**	**	**
00655	PHOSPHATE, POLY (MG/L AS PO4)	10/03/68-09/14/70	3	0.1	0.1	0.2	0.	0.01	0.1	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/03/68-09/14/70	3	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/21/67-09/14/70	14	22.5	23.929	35.	15.	31.456	5.609	17.5	20.	30.	32.5
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/21/67-09/14/70	14	15.	17.	30.	12.	19.538	4.42	13.5	15.	20.	25.
00940	CHLORIDE,TOTAL IN WATER MG/L	07/21/67-09/14/70	14	3.	2.714	5.	0.	4.989	2.234	0.	0.	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/21/67-09/14/70	14	5.	4.714	10.	0.	8.527	2.92	1.	2.	8.	9.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/03/68-09/14/70	3	0.4	0.333	0.4	0.2	0.013	0.115	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/03/68-09/14/70	3	0.03	0.03	0.04	0.02	0.	0.01	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	07/21/67-09/14/70	14	25.	57.143	250.	0.	5714.286	75.593	0.	0.	100.	200.
01045	IRON, TOTAL (UG/L AS FE)	07/21/67-09/14/70	14	100.	121.071	300.	30.	7262.225	85.219	40.	68.75	125.	300.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/21/67-09/14/70	14	0.	132.143	500.	0.	39848.901	199.622	0.	0.	287.5	500.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/02/69-07/30/71	10 ##	50.	40.2	100.	2.	827.067	28.759	2.8	10.	50.	95.
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/02/69-07/30/71	10 ##	1.699	1.427	2.	0.301	0.259	0.509	0.371	1.	1.699	1.97
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			26.749								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/69-07/30/71	10 ##	5.	4.5	10.	0.	8.056	2.838	0.	3.75	5.	9.5

** - 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: PECO0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/02/69-07/30/71	10 ##	0.699	0.589	1.	0.	0.105	0.324	0.	0.524	0.699	0.97
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			3.884								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/02/69-02/15/72	11 ##	5.	5.545	20.	0.	31.273	5.592	0.	1.	5.	18.
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/02/69-02/15/72	11 ##	0.699	0.59	1.301	0.	0.179	0.423	0.	0.	0.699	1.241
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			3.894								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/03/68-09/14/70	3	0.	0.	0.	0.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	10/03/68-09/14/70	3	0.	0.	0.	0.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	10/03/68-09/14/70	3	0.	0.033	0.1	0.	0.003	0.058	**	**	**	**

** - 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: PECO0025

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	14	0	0.00	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	14	0	0.00	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
00400	PH	Other-Hi Lim.	9.	13	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00
		Other-Lo Lim.	6.5	13	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	1	0.33	3	1	0.33									
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	14	0	0.00	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
		Drinking Water	250.	14	0	0.00	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	3	0	0.00									
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00	3	0	0.00									
		Drinking Water	100.	3	0	0.00	3	0	0.00									
01040	COPPER, DISSOLVED	Fresh Acute	18.	14	7	0.50	7	3	0.43	3	1	0.33	1	1	1.00	3	2	0.67
		Drinking Water	1300.	14	0	0.00	7	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	10	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	10	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	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 Inventory for Station: PECO0026

NPS Station ID: PECO0026
LAT/LON: 35.688337/-105.823337
Agency: 112WRD
Date Created: 06/30/76
Location: SANTA FE R AB MCCLURE RESERVOIR,NM
FIPS State/County: 35049 NEW MEXICO/SANTA FE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 354118105492410
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13020201
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 13020201011
RF1 Mile Point: 37.770
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13020201001129.38
RF3 Mile Point: 29.79
Distance from RF3: 0.05
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/74-06/28/74	1	10.5	10.5	10.5	10.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	06/28/74-06/28/74	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/74-06/28/74	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/28/74-06/28/74	1	8.1	8.1	8.1	8.1	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	06/28/74-06/28/74	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/28/74-06/28/74	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/74-06/28/74	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00405	CARBON DIOXIDE (MG/L AS CO2)	06/28/74-06/28/74	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/28/74-06/28/74	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	06/28/74-06/28/74	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	06/28/74-06/28/74	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/28/74-06/28/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/28/74-06/28/74	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/28/74-06/28/74	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	06/28/74-06/28/74	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	06/28/74-06/28/74	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	06/28/74-06/28/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	06/28/74-06/28/74	1	3.4	3.4	3.4	3.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	06/28/74-06/28/74	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	06/28/74-06/28/74	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	06/28/74-06/28/74	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	06/28/74-06/28/74	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	06/28/74-06/28/74	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/74-06/28/74	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/28/74-06/28/74	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	06/28/74-06/28/74	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	06/28/74-06/28/74	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	06/28/74-06/28/74	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	06/28/74-06/28/74	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	06/28/74-06/28/74	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	06/28/74-06/28/74	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	06/28/74-06/28/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	06/28/74-06/28/74	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	06/28/74-06/28/74	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/28/74-06/28/74	1 ##	100.	100.	100.	100.	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	06/28/74-06/28/74	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	06/28/74-06/28/74	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	06/28/74-06/28/74	1 ##	10.	10.	10.	10.	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: PECO0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01145	SELENIUM, DISSOLVED (UG/L AS SE)	06/28/74-06/28/74	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/28/74-06/28/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/28/74-06/28/74	1	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	06/28/74-06/28/74	1	21.	21.	21.	21.	0.	0.	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	06/28/74-06/28/74	1	1.322	1.322	1.322	1.322	0.	0.	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			21.								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	06/28/74-06/28/74	1	42.	42.	42.	42.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	06/28/74-06/28/74	1	31.	31.	31.	31.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	06/28/74-06/28/74	1	0.77	0.77	0.77	0.77	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	06/28/74-06/28/74	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/28/74-06/28/74	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: PECO0026

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	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
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	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
		Drinking Water	250.	1	0	0.00										1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00										1	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	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
01005	BARIUM, DISSOLVED	Drinking Water	2000.	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
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
01040	COPPER, DISSOLVED	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.	0 &	0	0.00												
		Drinking Water	15.	0 &	0	0.00												
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00										1	0	0.00
		Drinking Water	100.	1	0	0.00										1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00										1	0	0.00
		Drinking Water	5000.	1	0	0.00										1	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00										1	0	0.00
		Drinking Water	50.	1	0	0.00										1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	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: PECO0027

NPS Station ID: PECO0027
LAT/LON: 35.688615/-105.822226
Agency: 21NMEX
Date Created: / /
Location: SANTA FE RIVER ABOVE MCCLURE RES
FIPS State/County: 35049 NEW MEXICO/SANTA FE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): HRG86
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13020201
Depth of Water: 3
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 13020201011
RF1 Mile Point: 37.770
Distance from RF1: 1.80
On/Off RF1: ON
RF3 Index: 130202010009l1.82
RF3 Mile Point: 12.27
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/05/76-08/30/76	4	9.45	7.65	11.1	0.6	23.577	4.856	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	03/05/76-08/30/76	4	7.	6.25	8.	3.	5.583	2.363	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/05/76-03/31/87	5	1.	2.44	7.5	0.8	8.183	2.861	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/31/87-03/31/87	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/05/76-03/31/87	5	48.	48.6	54.	42.	21.8	4.669	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/31/87-03/31/87	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/31/87-03/31/87	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/87-03/31/87	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/87-03/31/87	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/31/87-03/31/87	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/31/87-03/31/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/87-03/31/87	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	03/31/87-03/31/87	1 ##	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	03/31/87-03/31/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/05/76-03/31/87	5 ##	0.013	0.02	0.05	0.011	0.	0.017	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/31/87-03/31/87	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/05/76-03/31/87	5 ##	0.025	0.029	0.072	0.005	0.001	0.025	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/31/87-03/31/87	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	03/31/87-03/31/87	1 ##	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/05/76-03/31/87	5	0.01	0.011	0.018	0.005	0.	0.005	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/31/87-03/31/87	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/31/87-03/31/87	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/31/87-03/31/87	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/31/87-03/31/87	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/31/87-03/31/87	1	0.78	0.78	0.78	0.78	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/31/87-03/31/87	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/31/87-03/31/87	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/31/87-03/31/87	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	03/31/87-03/31/87	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/31/87-03/31/87	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/31/87-03/31/87	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/31/87-03/31/87	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/31/87-03/31/87	1	610.	610.	610.	610.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/31/87-03/31/87	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/31/87-03/31/87	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	03/31/87-03/31/87	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/31/87-03/31/87	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	03/31/87-03/31/87	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

Parameter Inventory for Station: PECO0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	03/31/87-03/31/87	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	03/31/87-03/31/87	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	03/31/87-03/31/87	1	76.	76.	76.	76.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/31/87-03/31/87	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: PECO0027

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	5	0	0.00	3	0	0.00	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			
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.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
		Drinking Water	250.	1	0	0.00							1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	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			
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	15.	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			
01077	SILVER, TOTAL	Fresh Acute	4.1	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			
		Drinking Water	5000.	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: PECO0028

NPS Station ID: PECO0028
LAT/LON: 35.689448/-105.813893
Agency: 113FORS3
Date Created: 07/21/79
Location: SANTA FE RIVER ABOVE MCCLURE RES
FIPS State/County: 35049 NEW MEXICO/SANTA FE
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 352089
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13020201
Depth of Water: 0
Aquifer:
Major Basin: RIO GRANDE
Elevation: 0
Water Body Id:
Minor Basin: SANTA FE RIVER
ECO Region:
RF1 Index: 13020201011
RF1 Mile Point: 38.220
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13020201001105.74
RF3 Mile Point: 7.41
Distance from RF3: 0.53
On/Off RF3:
Description:
STN ESTAB 10/01/76. STATION IS LOCATED 200 FT (60 M) ABOVE THE PUBLIC SERVICE COMPANY GAGE ABOVE MCCLURE RESERVOIR. T17N, R10E, SEC. 24, SE 1/4, NMPM, SANTA FE NATIONAL FOREST, SANTA FE CO., N.M. ELEV 7940 FT (2420 M). DRAINAGE AREA 13.4 SQ MI (34.7 SQ KM). PURPOSE: TO ESTABLISH BASELINE DATE FOR A CLOSED MUNICIPAL WATERSHED. GRAB SAMPLES TAKEN

Parameter Inventory for Station: PECO0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/05/76-06/26/78	17	3.3	5.024	13.3	0.	21.488	4.636	0.	0.6	9.75	11.54
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	03/05/76-06/26/78	17	10.6	9.624	25.	-1.1	57.241	7.566	1.88	4.15	16.1	21.
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/05/76-06/26/78	16	2.	3.	10.	1.	7.467	2.733	1.	1.	3.75	8.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	03/05/76-06/26/78	16	1.	1.206	2.1	0.8	0.181	0.425	0.8	0.825	1.5	1.96
00300	OXYGEN, DISSOLVED MG/L	03/05/76-06/26/78	15	10.	10.333	13.8	8.	2.615	1.617	8.36	9.	12.	12.96
00400	PH (STANDARD UNITS)	03/05/76-06/26/78	15	7.5	7.467	8.2	6.6	0.231	0.481	6.72	7.	7.8	8.08
00400	CONVERTED PH (STANDARD UNITS)	03/05/76-06/26/78	15	7.5	7.222	8.2	6.6	0.295	0.543	6.72	7.	7.8	8.08
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/05/76-06/26/78	15	0.032	0.06	0.251	0.006	0.005	0.069	0.009	0.016	0.1	0.196
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/05/76-06/26/78	3	0.01	0.028	0.07	0.003	0.001	0.037	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/17/77-06/26/78	3	16.	16.	19.	13.	9.	3.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	03/17/77-06/26/78	3	0.05	0.683	2.	0.	1.301	1.141	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/17/77-06/26/78	3	26.	20.667	34.	2.	277.333	16.653	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/11/77-06/26/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/11/77-06/26/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.								
74010	IRON, TOTAL (MG/L AS FE)	03/17/77-06/26/78	2 ##	0.098	0.098	0.125	0.07	0.002	0.039	**	**	**	**

** - 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: PECO0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	16	0	0.00	6	0	0.00	8	0	0.00	1	0	0.00	1	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	15	0	0.00	4	0	0.00	9	0	0.00	1	0	0.00	1	0	0.00
00400	PH	Other-Hi Lim.	9.	15	0	0.00	4	0	0.00	9	0	0.00	1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	15	0	0.00	4	0	0.00	9	0	0.00	1	0	0.00	1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	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

EPA Water Quality Criteria Analysis for Station: PECO0028

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
		Drinking Water	250.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00				1	0	0.00	1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	1	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: PECO0029

NPS Station ID: PECO0029
Location: PECOS RIVER ABOVE WINDY BRIDGE
Station Type: /TYPA/AMBNT/STREAM
RMI-Indexes:
RMI-Miles:
HUC: 13060001
Major Basin: WESTERN GULF
Minor Basin: PECOS RIVER MAIN STEM
RF1 Index: 13060001020
RF3 Index: 13060001002031.62
Description:

LAT/LON: 35.696115/-105.688060
Depth of Water: 4
Elevation: 0
RF1 Mile Point: 28.130
RF3 Mile Point: 31.61

Agency: 21NMEX
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
STORET Station ID(s): UPR081
Within Park Boundary: No
Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.04

Date Created: / /
On/Off RF1: ON
On/Off RF3:

Parameter Inventory for Station: PECO0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-09/27/89	37	12.	11.897	19.5	5.6	7.931	2.816	8.22	10.6	13.8	15.42
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-10/12/87	15	2.4	4.323	18.	0.05	29.947	5.472	0.56	1.1	4.3	16.8
00080	COLOR (PLATINUM-COBALT UNITS)	10/12/87-02/28/88	2	2.5	2.5	5.	0.	12.5	3.536	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/28/88-02/28/88	1	150.	150.	150.	150.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/27/89	39	142.	145.513	207.	99.	628.835	25.077	119.	128.	161.	187.
00300	OXYGEN, DISSOLVED MG/L	06/29/71-07/20/72	7	7.4	7.586	8.1	7.1	0.168	0.41	**	**	**	**
00400	PH (STANDARD UNITS)	06/29/71-09/27/89	18	8.27	8.229	8.42	8.	0.018	0.134	8.	8.128	8.315	8.402
00400	CONVERTED PH (STANDARD UNITS)	06/29/71-09/27/89	18	8.27	8.209	8.42	8.	0.018	0.135	8.	8.128	8.315	8.402
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/71-09/27/89	18	0.005	0.006	0.01	0.004	0.	0.002	0.004	0.005	0.007	0.01
00403	PH, LAB, STANDARD UNITS SU	10/12/87-02/28/88	2	8.35	8.35	8.4	8.3	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/12/87-02/28/88	2	8.347	8.347	8.4	8.3	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/12/87-02/28/88	2	0.004	0.004	0.005	0.004	0.	0.001	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/87-02/28/88	2	86.	86.	87.	85.	2.	1.414	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/12/87-02/28/88	2	104.	104.	104.	104.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/12/87-02/28/88	2	0.5	0.5	1.	0.	0.5	0.707	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/12/87-02/28/88	2 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	10/12/87-02/28/88	2 ##	0.125	0.125	0.16	0.09	0.002	0.049	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/12/87-02/28/88	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-02/28/88	3	0.12	0.116	0.2	0.029	0.007	0.086	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/12/87-02/28/88	2 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-02/28/88	3	0.03	0.043	0.08	0.02	0.001	0.032	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/12/87-02/28/88	2 ##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	10/12/87-02/28/88	2 ##	0.13	0.13	0.16	0.1	0.002	0.042	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-02/28/88	3 ##	0.005	0.007	0.011	0.005	0.	0.003	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/20/72	1	3.1	3.1	3.1	3.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/12/87-02/28/88	2	101.5	101.5	103.	100.	4.5	2.121	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/12/87-02/28/88	2	36.2	36.2	38.	34.4	6.48	2.546	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/12/87-02/28/88	2	2.6	2.6	3.4	1.8	1.28	1.131	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/12/87-02/28/88	2	7.25	7.25	11.5	3.	36.125	6.01	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/12/87-02/28/88	2	0.79	0.79	0.8	0.78	0.	0.014	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	10/12/87-02/28/88	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/12/87-02/28/88	2	13.5	13.5	16.	11.	12.5	3.536	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/12/87-09/27/89	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	10/12/87-09/27/89	3 ##	50.	66.667	100.	50.	833.333	28.868	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	10/12/87-09/27/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	10/12/87-09/27/89	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	10/12/87-02/28/88	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	10/12/87-02/28/88	2 ##	42.5	42.5	60.	25.	612.5	24.749	**	**	**	**

** - 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: PECO0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	10/12/87-09/27/89	3 ##	5.	4.167	5.	2.5	2.083	1.443	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	10/12/87-02/28/88	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	10/12/87-02/28/88	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/12/87-02/28/88	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	10/12/87-09/27/89	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	10/12/87-02/28/88	2 ##	102.5	102.5	180.	25.	12012.5	109.602	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/27/89-09/27/89	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/12/87-09/27/89	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	46	20.	39.25	500.	0.	6233.497	78.952	2.35	11.	31.75	68.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	46	1.301	1.241	2.699	0.	0.302	0.55	0.369	1.041	1.5	1.829
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			17.437								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/17/72-08/01/72	3	172.	169.333	176.	160.	69.333	8.327	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/17/72-08/01/72	3	2.236	2.228	2.246	2.204	0.	0.022	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			169.195								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/12/87-02/28/88	2	125.	125.	128.	122.	18.	4.243	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/12/87-09/27/89	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/12/87-02/28/88	2	0.95	0.95	1.	0.9	0.005	0.071	**	**	**	**

** - 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: PECO0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	15	0	0.00	9	0	0.00							6	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	2	0	0.00							5	0	0.00
00400	PH	Other-Hi Lim.	9.	18	0	0.00	9	0	0.00	1	0	0.00				8	0	0.00
		Other-Lo Lim.	6.5	18	0	0.00	9	0	0.00	1	0	0.00				8	0	0.00
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	0	0.00	1	0	0.00	1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00						
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00	1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	3	0	0.00	2	0	0.00	1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	5.	3	0	0.00	2	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	15.	3	0	0.00	2	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						
01077	SILVER, TOTAL	Fresh Acute	4.1	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	2	1	0.50	1	0	0.00	1	1	1.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	50.	3	0	0.00	2	0	0.00	1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	46	2	0.04	22	1	0.05							24	1	0.04
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	2.	3	0	0.00	2	0	0.00	1	0	0.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station PECO0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-09/27/89	24	12.15	12.221	16.	5.6	5.975	2.444	9.05	10.825	13.9	15.45
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/27/89	22	138.	139.	193.	99.	422.952	20.566	116.8	125.75	144.5	169.5
00400p	PH (STANDARD UNITS)	06/29/71-09/27/89	9	8.19	8.211	8.4	8.	0.023	0.151	8.	8.06	8.355	8.4
00400p	CONVERTED PH (STANDARD UNITS)	06/29/71-09/27/89	9	8.19	8.188	8.4	8.	0.023	0.153	8.	8.06	8.355	8.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/71-09/27/89	9	0.006	0.006	0.01	0.004	0.	0.002	0.004	0.004	0.009	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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station PECO0029

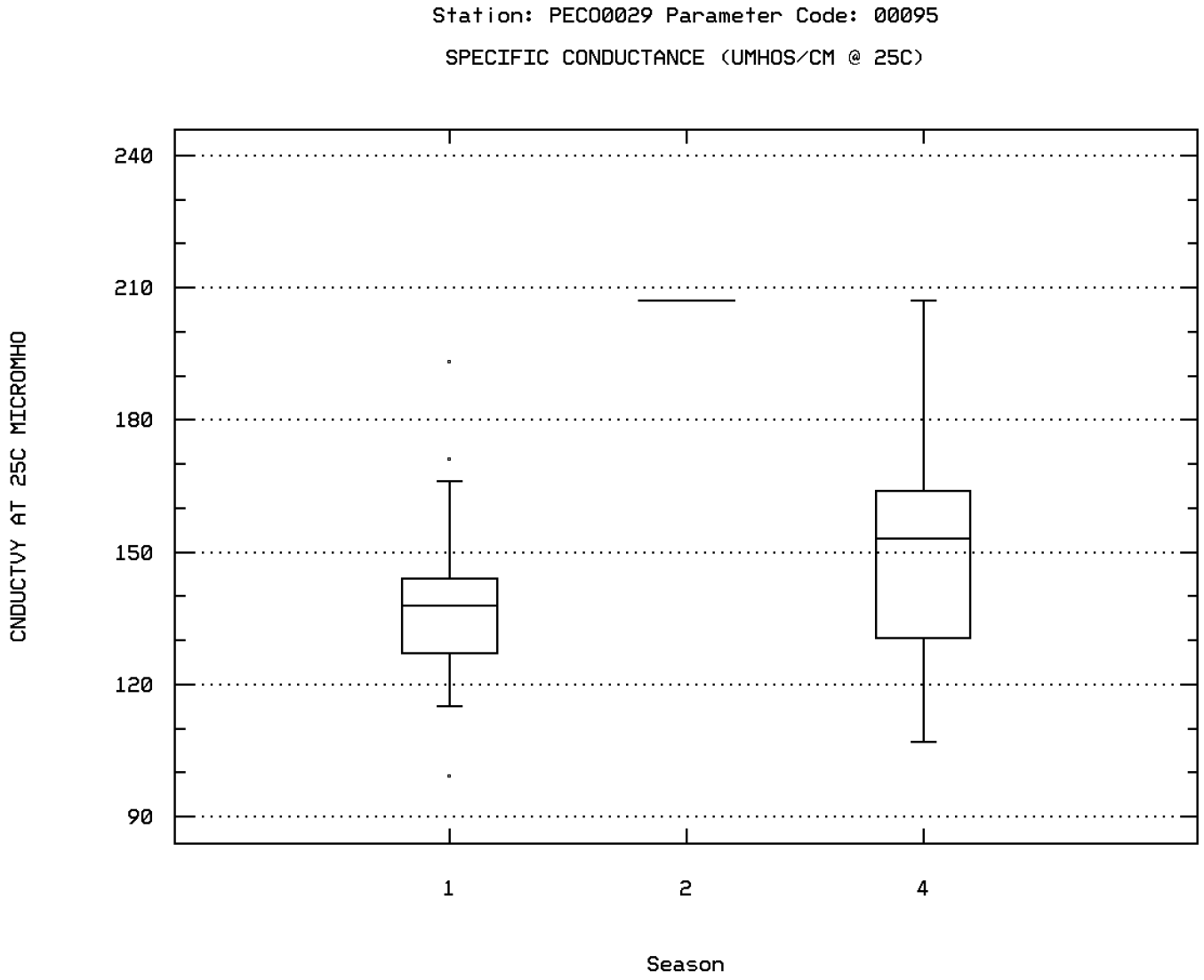
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-09/27/89	1	5.8	5.8	5.8	5.8	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/27/89	1	207.	207.	207.	207.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	06/29/71-09/27/89	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/29/71-09/27/89	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/71-09/27/89	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 box-and-whisker plot

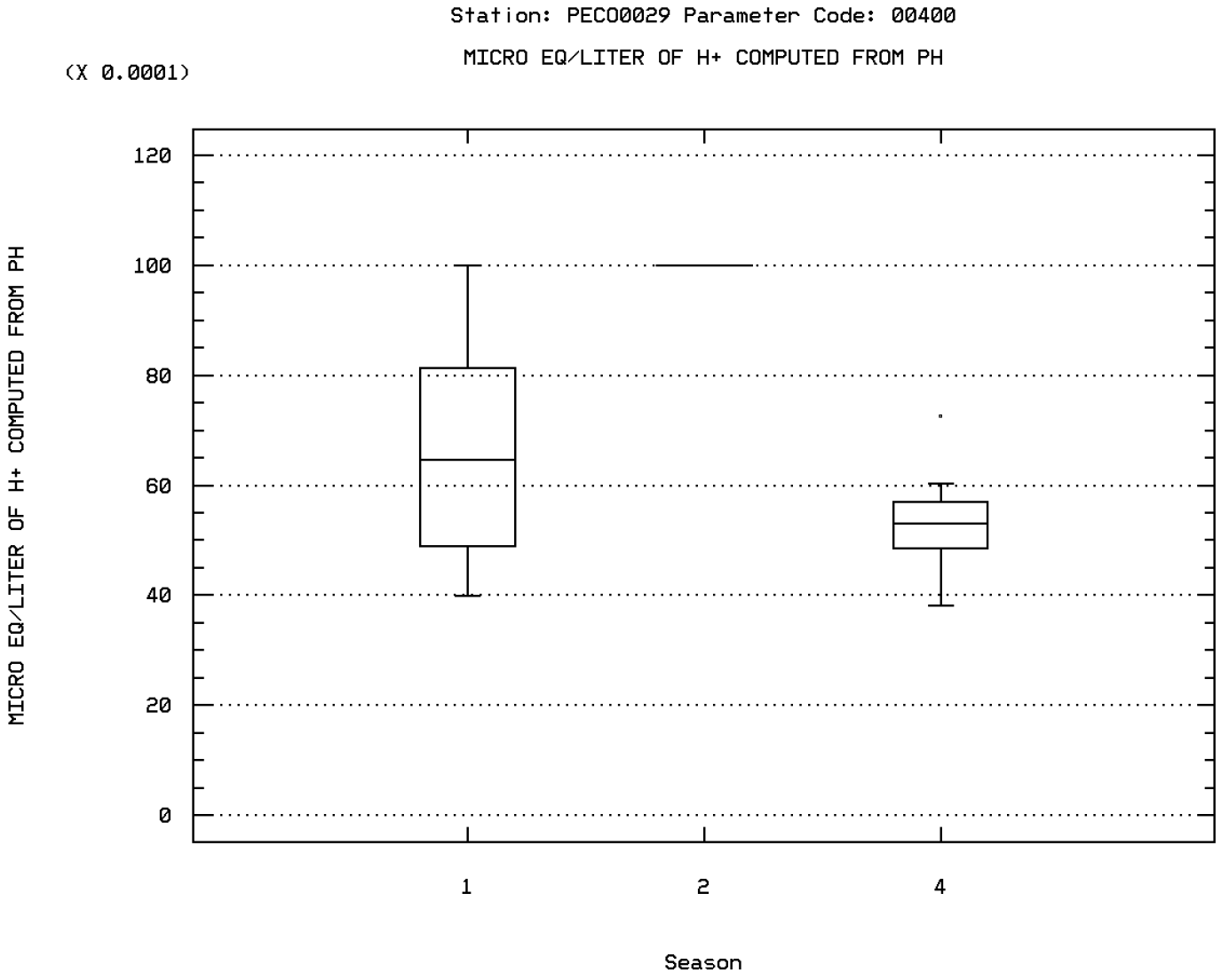
Seasonal Analysis for Season #4: 5/20 to 7/14 - Station PECO0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-09/27/89	12	11.1	11.758	19.5	8.3	9.835	3.136	8.33	9.25	13.575	18.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/27/89	16	153.	150.625	207.	107.	658.783	25.667	115.4	130.25	165.5	193.
00400p	PH (STANDARD UNITS)	06/29/71-09/27/89	8	8.275	8.279	8.42	8.14	0.007	0.081	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	06/29/71-09/27/89	8	8.275	8.272	8.42	8.14	0.007	0.081	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/71-09/27/89	8	0.005	0.005	0.007	0.004	0.	0.001	**	**	**	**

** - 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



PECOS RIVER ABOVE WINDY BRIDGE



PECOS RIVER ABOVE WINDY BRIDGE

Station Inventory for Station: PECO0030

NPS Station ID: PECO0030 LAT/LON: 35.696115/-105.688060 Agency: 21NMEX Date Created: 01/27/90
Location: PECOS RIVER 50 METERS BELOW WINDY BRIDGE FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): UPR081.5
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 13060001 Depth of Water: 0 Aquifer:
Major Basin: WESTERN GULF Elevation: 2262 Water Body Id:
Minor Basin: PECOS RIVER ECO Region:
RF1 Index: 13060001 RF1 Mile Point: 0.000 Distance from RF1: 1.70 On/Off RF1:
RF3 Index: 13060001001743.97 RF3 Mile Point: 51.65 Distance from RF3: 0.00 On/Off RF3:
Description:

Parameter Inventory for Station: PECO0030

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/27/89-09/27/89	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/27/89-09/27/89	1	174.	174.	174.	174.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/27/89-09/27/89	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/27/89-09/27/89	1	8.4	8.4	8.4	8.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/27/89-09/27/89	1	0.004	0.004	0.004	0.004	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	09/27/89-09/27/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	09/27/89-09/27/89	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	09/27/89-09/27/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	09/27/89-09/27/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	09/27/89-09/27/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	09/27/89-09/27/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	09/27/89-09/27/89	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	09/27/89-09/27/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	09/27/89-09/27/89	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: PECO0030

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 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									
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									
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00									
01051	LEAD, TOTAL	Fresh Acute	82.	1	0	0.00	1	0	0.00									
		Drinking Water	15.	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	100.	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									

& - 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: PECO0030

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
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: PECO0031

NPS Station ID: PECO0031
LAT/LON: 35.707671/-105.683254
Agency: 21NMEX
Date Created: 01/09/82
Location: INDIAN CREEK 3M WEST OF HWY 63 BRDG
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): PECOSCON04
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 3
Aquifer:
Major Basin: WESTERN GULF
Elevation: 0
Water Body Id:
Minor Basin: UPPER PECOS RIVER
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 28.980
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 13060001080600.00
RF3 Mile Point: 0.23
Distance from RF3: 0.03
On/Off RF3:
Description:
ESTABLISHED OCT,1980 AS PART OF COOPERATIVE STUDY WITH SANTA FE NATIONAL FOREST STAFF TO ASSESS AMBIENT WATER QUALITY PRIOR TO DEVELOPMENT AND MINING OF HEAVY METALS (SULFIDE DEPOSITS) IN NATIONAL FOREST. SEDIMENT AND WATER SAMPLES ARE PLANNED.

Parameter Inventory for Station: PECO0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-04/26/87	10	9.85	8.92	18.	0.9	28.491	5.338	1.09	4.45	12.35	17.6
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/26/87-04/26/87	1	8.2	8.2	8.2	8.2	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/26/87-04/26/87	1	40.	40.	40.	40.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/26/87-04/26/87	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-04/26/87	10	273.	280.4	355.	189.	2180.267	46.693	195.3	252.	314.75	352.1
00300	OXYGEN, DISSOLVED MG/L	02/24/81-11/24/81	7	8.2	8.386	9.9	6.5	1.355	1.164	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/24/81-11/24/81	7	101.	100.143	103.	93.	11.143	3.338	**	**	**	**
00400	PH (STANDARD UNITS)	12/04/80-04/26/87	10	8.15	8.14	8.2	8.	0.005	0.07	8.01	8.1	8.2	8.2
00400	CONVERTED PH (STANDARD UNITS)	12/04/80-04/26/87	10	8.147	8.135	8.2	8.	0.005	0.07	8.01	8.1	8.2	8.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/80-04/26/87	10	0.007	0.007	0.01	0.006	0.	0.001	0.006	0.006	0.008	0.01
00403	PH, LAB, STANDARD UNITS SU	04/26/87-04/26/87	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/26/87-04/26/87	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/26/87-04/26/87	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/26/87-04/26/87	1	75.	75.	75.	75.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-04/26/87	10	186.5	176.1	202.	92.	1023.211	31.988	99.2	164.75	192.5	201.5
00445	CARBONATE ION (MG/L AS CO3)	04/26/87-04/26/87	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-04/26/87	9	2.	16.333	87.	0.5	830.375	28.816	0.5	0.5	27.	87.
00600	NITROGEN, TOTAL (MG/L AS N)	04/26/87-04/26/87	1 ##	0.255	0.255	0.255	0.255	0.	0.	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/26/87-04/26/87	1	0.33	0.33	0.33	0.33	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-04/26/87	10	0.061	0.067	0.19	0.004	0.002	0.049	0.007	0.042	0.081	0.179
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/26/87-04/26/87	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/26/87-04/26/87	1 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-04/26/87	10	0.32	0.427	1.32	0.01	0.157	0.397	0.021	0.143	0.638	1.269
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-11/24/81	9	0.03	0.052	0.15	0.01	0.003	0.052	0.01	0.015	0.095	0.15
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/26/87-04/26/87	1 ##	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-04/26/87	10	0.055	0.074	0.31	0.001	0.009	0.093	0.001	0.01	0.082	0.294
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/26/87-04/26/87	1	91.	91.	91.	91.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-04/26/87	10	61.8	58.53	65.	34.	83.498	9.138	36.08	57.125	63.6	64.92
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-04/26/87	10	3.35	5.14	19.4	1.5	27.256	5.221	1.62	2.85	4.875	18.18
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-04/26/87	10	2.3	2.4	4.6	0.	3.116	1.765	0.	0.75	4.6	4.6
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-04/26/87	10	0.78	0.728	1.56	0.	0.196	0.443	0.025	0.363	0.877	1.521
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-04/26/87	10	2.	2.35	4.	1.	0.669	0.818	1.1	2.	3.	3.9
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-04/26/87	10	23.	22.9	29.	17.	19.656	4.433	17.	19.25	26.5	28.9

** - 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: PECO0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/04/80-12/04/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-04/26/87	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/04/80-12/04/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-04/26/87	9 ##	50.	87.556	328.	50.	8523.778	92.324	50.	50.	80.	328.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/04/80-12/04/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-11/24/81	8 ##	5.	3.875	5.	0.5	4.339	2.083	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/04/80-12/04/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-04/26/87	9 ##	0.5	0.556	1.	0.5	0.028	0.167	0.5	0.5	0.5	1.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/04/80-12/04/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-04/26/87	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/80-12/04/80	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-04/26/87	9 ##	25.	21.667	50.	5.	343.75	18.54	5.	5.	37.5	50.
01045	IRON, TOTAL (UG/L AS FE)	01/09/81-04/26/87	9 ##	125.	301.111	940.	50.	92998.611	304.957	50.	125.	525.	940.
01046	IRON, DISSOLVED (UG/L AS FE)	12/04/80-12/04/80	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	12/04/80-12/04/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-04/26/87	8 ##	2.5	2.813	5.	2.5	0.781	0.884	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-04/26/87	9 ##	25.	44.111	120.	25.	964.611	31.058	25.	25.	51.	120.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/04/80-12/04/80	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/04/80-12/04/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-04/26/87	9 ##	2.5	3.333	5.	2.5	1.563	1.25	2.5	2.5	5.	5.
01067	NICKEL, TOTAL (UG/L AS NI)	04/26/87-04/26/87	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	12/04/80-12/04/80	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-04/26/87	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-06/26/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/80-12/04/80	1 ##	125.	125.	125.	125.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-04/26/87	9 ##	50.	51.667	125.	15.	931.25	30.516	15.	37.5	50.	125.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/04/80-12/04/80	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-04/26/87	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-04/26/87	9	202.	195.667	221.	120.	861.	29.343	120.	197.	208.5	221.
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/04/80-12/04/80	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-04/26/87	9 ##	0.25	0.333	1.	0.25	0.063	0.25	0.25	0.25	0.25	1.
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/26/87-04/26/87	1	18.5	18.5	18.5	18.5	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: PECO0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-10/14----------			----------10/15-3/14----------			----------3/15-5/19----------			----------5/20-7/14----------		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00							1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00400	PH	Other-Hi Lim.	9.	10	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	10	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00	2	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			
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.	9	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	250.	10	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00	2	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.	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	50.	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00				1	0	0.00						
01007	BARIUM, TOTAL	Drinking Water	2000.	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00				1	0	0.00						
		Drinking Water	4.	0 &	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: PECO0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	4.	2 &	0	0.00	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						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	5.	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00						
		Drinking Water	1300.	1	0	0.00				1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	4 &	0	0.00				2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	1300.	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00						
		Drinking Water	15.	1	0	0.00				1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	15.	8	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00	2	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			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	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	8	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	100.	8	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	0 &	0	0.00												
		Drinking Water	5000.	1	0	0.00				1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	8 &	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	5000.	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00				1	0	0.00						
		Drinking Water	50.	1	0	0.00				1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	50.	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
28011	URANIUM, NATURAL, TOTAL	Drinking Water	20.	2	0	0.00				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						
71900	MERCURY, TOTAL	Fresh Acute	2.4	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
		Drinking Water	2.	9	0	0.00	2	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
82078	TURBIDITY, FIELD	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: PECO0032

NPS Station ID: PECO0032 LAT/LON: 35.708142/-105.682031 Agency: 21NMEX Date Created: 01/09/82
Location: PECOS RIVER AT USGS GAGE 90M UPSTREAM INDIAN CRK FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): PECOSCON05
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 13060001 Depth of Water: 3 Aquifer:
Major Basin: WESTERN GULF Elevation: 0 Water Body Id:
Minor Basin: UPPER PECOS RIVER ECO Region:
RF1 Index: 13060001020 RF1 Mile Point: 28.980 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 13060001002027.27 RF3 Mile Point: 29.31 Distance from RF3: 0.02 On/Off RF3:
Description:
ESTABLISHED OCT,1980 AS PART OF COOPERATIVE STUDY WITH SANTA FE NATIONAL FOREST STAFF TO ASSESS AMBIENT WATER QUALITY PRIOR TO DEVELOPMENT AND MINING OF HEAVY METALS (SULFIDE DEPOSITS) IN NATIONAL FOREST. SEDIMENT AND WATER SAMPLES ARE PLANNED.

Parameter Inventory for Station: PECO0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/09/81-11/24/81	8	10.25	8.5	17.4	0.	31.32	5.596	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/09/81-11/24/81	8	149.5	148.25	174.	116.	484.5	22.011	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/24/81-11/24/81	7	8.4	8.7	10.1	7.4	1.06	1.03	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/24/81-11/24/81	7	101.	100.571	103.	99.	2.619	1.618	**	**	**	**
00400	PH (STANDARD UNITS)	01/09/81-11/24/81	8	7.95	7.938	8.1	7.7	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/09/81-11/24/81	8	7.947	7.917	8.1	7.7	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/09/81-11/24/81	8	0.011	0.012	0.02	0.008	0.	0.004	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	01/09/81-11/24/81	8	88.5	89.75	116.	64.	274.5	16.568	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/09/81-11/24/81	7 ##	0.5	1.429	6.	0.5	4.119	2.03	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/09/81-11/24/81	8	0.07	0.062	0.12	0.001	0.002	0.041	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/09/81-11/24/81	8	0.3	0.316	0.58	0.09	0.044	0.209	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/09/81-11/24/81	8	0.02	0.028	0.08	0.005	0.001	0.026	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/09/81-11/24/81	8	0.029	0.029	0.08	0.001	0.001	0.026	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/09/81-11/24/81	8	31.3	30.1	39.2	21.6	44.983	6.707	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/09/81-11/24/81	8	3.15	2.875	5.6	0.5	2.971	1.724	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/09/81-11/24/81	8	1.15	1.15	2.3	0.	1.511	1.229	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/09/81-11/24/81	8	0.195	0.293	0.78	0.	0.12	0.346	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	01/09/81-11/24/81	8	1.5	1.75	3.	1.	0.786	0.886	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/09/81-11/24/81	8	14.5	14.5	20.	10.	11.714	3.423	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-11/24/81	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-11/24/81	8 ##	50.	132.75	612.	50.	38723.357	196.783	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-11/24/81	8 ##	5.	3.875	5.	0.5	4.339	2.083	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-11/24/81	8 ##	0.5	0.75	2.	0.5	0.286	0.535	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-11/24/81	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-11/24/81	8 ##	15.	21.25	50.	5.	391.071	19.776	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	01/09/81-11/24/81	8 ##	125.	223.625	920.	34.	89852.268	299.754	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-11/24/81	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-11/24/81	8 ##	25.	37.5	75.	25.	357.143	18.898	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-11/24/81	8 ##	2.5	3.125	5.	2.5	1.339	1.157	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-11/24/81	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-11/24/81	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-11/24/81	8 ##	50.	71.25	180.	15.	2876.786	53.636	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-11/24/81	8 ##	2.5	5.188	24.	2.5	57.781	7.601	**	**	**	**

** - 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: PECO0032

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	02/24/81-11/24/81	7	100.	144.857	437.	68.	17035.81	130.521	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-11/24/81	8 ##	0.25	0.281	0.5	0.25	0.008	0.088	**	**	**	**

** - 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: PECO0032

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	----------7/15-10/14---------- Obs	Exceed	Prop.	----------10/15-3/14---------- Obs	Exceed	Prop.	----------3/15-5/19---------- Obs	Exceed	Prop.	----------5/20-7/14---------- Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00400	PH	Other-Hi Lim.	9.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	250.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	50.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	4.	2 &	0	0.00	1	0	0.00	1	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	5.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	4 &	0	0.00				2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	1300.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	15.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	100.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	7 &	1	0.14	2	1	0.50	2	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	5000.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	8	1	0.13	2	0	0.00	3	0	0.00	1	0	0.00	2	1	0.50
		Drinking Water	50.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
28011	URANIUM, NATURAL, TOTAL	Drinking Water	20.	2	0	0.00				1	0	0.00				1	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
		Drinking Water	2.	8	0	0.00	2	0	0.00	3	0	0.00	1	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: PECO0033

NPS Station ID: PECO0033
LAT/LON: 35.708338/-105.681948
Agency: 112WRD
Date Created: / /
Location: PECOS R NR PECOS, NM
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 08378500
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 0.50
On/Off RF1:
RF3 Index: 13060001002100.00
RF3 Mile Point: 0.11
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/20/70-09/09/73	38	7.25	7.145	18.	0.	34.391	5.864	0.	0.5	11.25	15.05
00060	FLOW, STREAM, MEAN DAILY CFS	05/15/63-08/22/73	37	52.	57.892	172.	17.	863.21	29.38	26.	39.5	73.	89.
00061	FLOW, STREAM, INSTANTANEOUS CFS	01/05/73-09/09/73	8	63.5	224.5	1250.	35.	175540.286	418.975	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/20/70-08/22/73	45	1.	3.538	30.	0.	35.245	5.937	0.12	1.	3.4	12.
00080	COLOR (PLATINUM-COBALT UNITS)	07/20/70-08/22/73	46	5.	5.457	40.	0.	42.431	6.514	0.	2.	5.	10.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/15/63-09/09/73	49	176.	178.143	350.	118.	1882.083	43.383	143.	150.5	193.5	208.
00400	PH (STANDARD UNITS)	05/15/63-11/21/72	5	7.8	7.64	8.	7.	0.148	0.385	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/15/63-11/21/72	5	7.8	7.477	8.	7.	0.181	0.426	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/15/63-11/21/72	5	0.016	0.033	0.1	0.01	0.001	0.038	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	05/15/63-07/09/63	3	92.	86.	106.	60.	556.	23.58	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/15/63-07/09/63	3	81.	78.667	93.	62.	244.333	15.631	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	05/15/63-07/09/63	3	6.	8.333	13.	6.	16.333	4.041	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	05/15/63-07/09/63	3	2.	1.667	2.	1.	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 time series plot

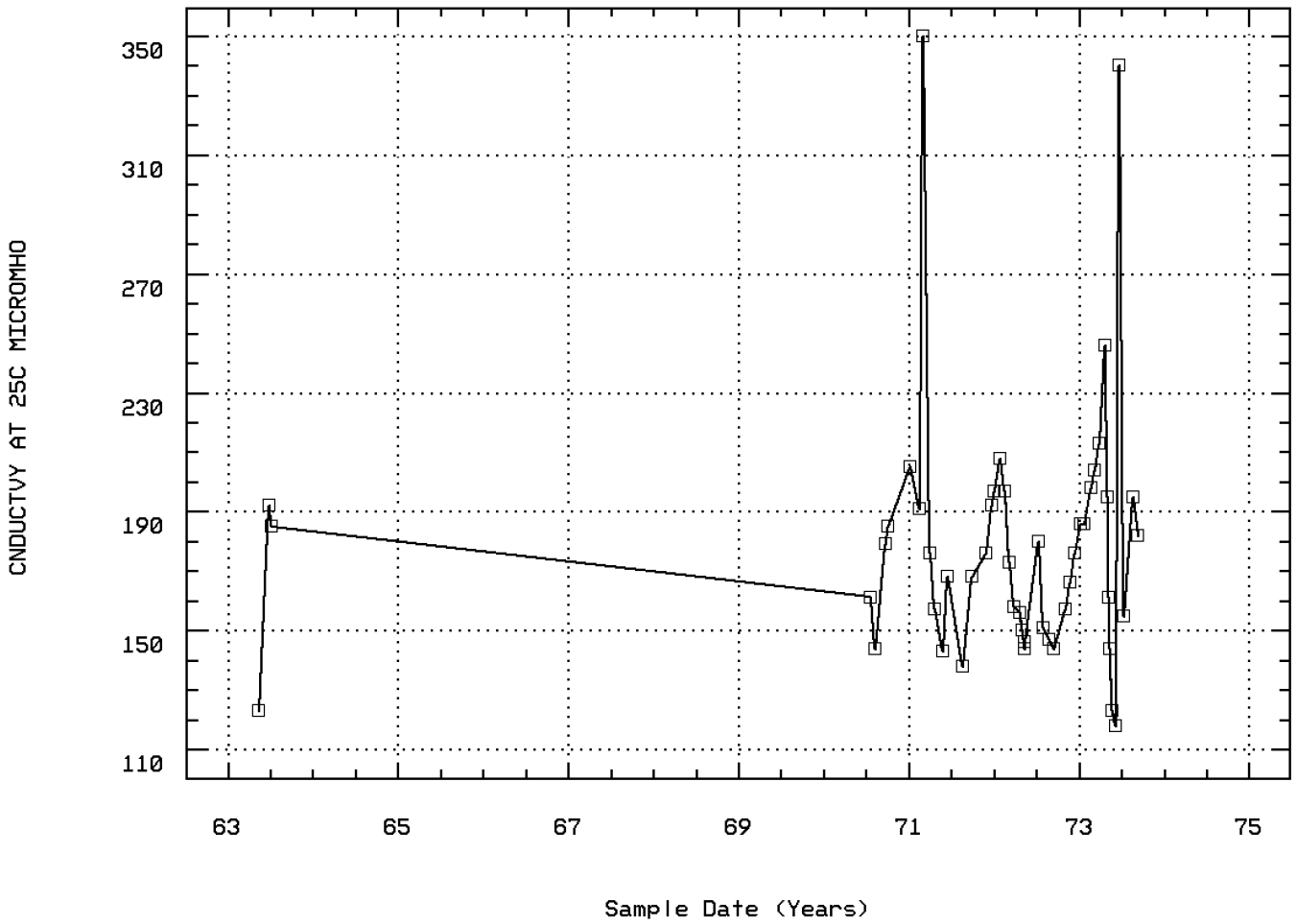
EPA Water Quality Criteria Analysis for Station: PECO0033

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	45	0	0.00	11	0	0.00	15	0	0.00	12	0	0.00	7	0	0.00
00400	PH	Other-Hi Lim.	9.	5	0	0.00				2	0	0.00	1	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	5	0	0.00				2	0	0.00	1	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00							1	0	0.00	2	0	0.00
		Drinking Water	250.	3	0	0.00							1	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: PECO0033 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



PECOS R NR PECOS, NM

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station PECO0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	05/15/63-08/22/73	11	66.	67.636	114.	39.	583.855	24.163	39.2	47.	83.	111.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/15/63-09/09/73	11	161.	163.091	195.	138.	390.091	19.751	139.2	144.	182.	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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station PECO0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	05/15/63-08/22/73	13	45.	43.231	76.	17.	228.192	15.106	19.	33.	51.	67.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/15/63-09/09/73	16	191.5	197.625	350.	157.	1863.983	43.174	163.3	176.	202.5	250.6

** - 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 box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 5/19 - Station PECO0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	05/15/63-08/22/73	8	69.	72.625	172.	18.	2195.982	46.861	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/15/63-09/09/73	13	157.	166.846	246.	123.	1106.974	33.271	131.4	145.	185.5	232.8

** - 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 #4: 5/20 to 7/14 - Station PECO0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060	FLOW, STREAM, MEAN DAILY CFS	05/15/63-08/22/73	5	46.	51.	75.	31.	328.5	18.125	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/15/63-09/09/73	9	168.	178.222	340.	118.	4371.444	66.117	118.	133.	188.5	340.

** - 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: PECO0034

NPS Station ID: PECO0034
LAT/LON: 35.708338/-105.681948
Agency: 21NMEX
Date Created: / /
Location: PECOS RIVER AT USGS GAGE
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): HP14
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 3
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 29.120
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13060001005300.00
RF3 Mile Point: 0.07
Distance from RF3: 0.08
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0034

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/27/76	7	8.9	8.1	12.8	2.2	13.62	3.691	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	11/14/75-08/27/76	3	77.	65.333	81.	38.	564.333	23.756	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/25/75-08/27/76	8	2.45	3.988	13.	0.9	15.478	3.934	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/27/76	8	152.5	163.375	320.	100.	4832.554	69.517	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/25/75-08/27/76	8	0.022	0.026	0.054	0.013	0.	0.015	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/75-08/27/76	8	0.026	0.037	0.133	0.005	0.002	0.04	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/25/75-08/27/76	8	0.01	0.025	0.138	0.002	0.002	0.046	**	**	**	**

** - 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: PECO0034

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	8	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	3	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	8	0	0.00	2	0	0.00	2	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: PECO0035

NPS Station ID: PECO0035
LAT/LON: 35.708338/-105.681948
Agency: 113FORS3
Date Created: 07/21/79
Location: PECOS RIVER AT USGS GAGE#8378500
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 352061 /USGS08378500/NM HP14
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: PECOS RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER PECOS RIVER
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 29.120
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13060001005300.00
RF3 Mile Point: 0.07
Distance from RF3: 0.08
On/Off RF3:
Description:
STN ESTAB 4/25/75. STATION IS LOCATED AT USGS GAGING STATION #08378500 WHICH IS .1 MILE (0.16 KM) ABOVE THE CONFLUENCE OF INDIAN CREEK AND THE PECOS RIVER. T17N, R12E, SEC. 17, NW 1/4, MMPM, SANTA FE NATIONAL FOREST, SAN MIGUEL CO., N.M. ELEV. 7520 FT (2292 M). DRAINAGE AREA 182 SQ MI (471 SQ KM). PURPOSE: TO MONITOR THE EFFECTS OF PRIVATE LAND USE

Parameter Inventory for Station: PECO0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/27/76	9	10.	9.367	14.4	2.2	16.788	4.097	2.2	5.8	13.05	14.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/75-05/21/76	5	18.3	16.54	18.3	10.	13.413	3.662	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/75-08/27/76	9	96.	140.889	370.	42.	12308.861	110.945	42.	56.	211.	370.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/25/75-08/27/76	9	2.1	3.722	13.	0.8	14.197	3.768	0.8	1.65	4.75	13.
00300	OXYGEN, DISSOLVED MG/L	04/25/75-05/21/76	6	9.5	9.5	11.	8.	1.1	1.049	**	**	**	**
00400	PH (STANDARD UNITS)	04/25/75-05/21/76	6	9.	8.933	9.	8.7	0.015	0.121	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/25/75-05/21/76	6	9.	8.918	9.	8.7	0.015	0.122	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-05/21/76	6	0.001	0.001	0.002	0.001	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-08/05/76	7	0.03	0.039	0.13	0.005	0.002	0.042	**	**	**	**

** - 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: PECO0035

				Total	Exceed	Prop.	7/15-10/14			10/15-3/14			3/15-5/19			5/20-7/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	9	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	4	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00				2	0	0.00	1	0	0.00	3	0	0.00
00400	PH	Other-Hi Lim.	9.	6	4	0.67				2	2	1.00	1	0	0.00	3	2	0.67
		Other-Lo Lim.	6.5	6	0	0.00				2	0	0.00	1	0	0.00	3	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00	1	0	0.00	2	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: PECO0036

NPS Station ID: PECO0036
LAT/LON: 35.741115/-105.674727
Agency: 21NMEX
Date Created: 02/23/91
Location: PECOS R. 50FT ABV HOLYGHOST CR
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): UPR214.007001 /UPR214007001/PEC3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2335
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region:
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 0.90
On/Off RF1:
RF3 Index: 13060001001455.81
RF3 Mile Point: 58.14
Distance from RF3: 0.02
On/Off RF3:
Description:
HIS STATION IS A MONITORING SITE FOR POSSIBLE HEAVY METAL CONTAMINATION.

Parameter Inventory for Station: PECO0036

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: PECO0037

NPS Station ID: PECO0037
LAT/LON: 35.741948/-105.679448
Agency: 21NMEX
Date Created: / /
Location: HOLY GHOST CREEK BELOW HOMES
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): HP13
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 3
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 31.570
Distance from RF1: 24.20
On/Off RF1: OFF
RF3 Index: 13060001005301.99
RF3 Mile Point: 3.45
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0037

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/27/76	6	10.25	8.783	13.3	1.1	18.978	4.356	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	04/25/75-08/27/76	6	14.5	16.	36.	7.	107.2	10.354	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/25/75-08/27/76	7	2.8	3.957	9.8	1.2	8.456	2.908	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/25/75-08/27/76	7	135.	141.	175.	112.	475.333	21.802	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/25/75-08/27/76	7	0.03	0.03	0.051	0.013	0.	0.015	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/25/75-08/27/76	7	0.024	0.04	0.106	0.005	0.001	0.038	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/25/75-08/27/76	7	0.012	0.023	0.092	0.004	0.001	0.031	**	**	**	**

** - 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: PECO0037

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	7	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	3	0	0.00	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: PECO0038

NPS Station ID: PECO0038 | LAT/LON: 35.741948/-105.679448 | Agency: 113FORS3 | Date Created: 07/21/79
Location: HOLY GHOST CREEK BELOW HOMES | FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM | STORET Station ID(s): 352060 /NM 13HP /92500 101405
RMI-Indexes: | Within Park Boundary: No
RMI-Miles:
HUC: 13060001 | Depth of Water: 0 | Aquifer:
Major Basin: PECOS | Elevation: 0 | Water Body Id:
Minor Basin: UPPER PECOS RIVER | ECO Region:
RF1 Index: 13060001020 | RF1 Mile Point: 31.570 | Distance from RF1: 24.20 | On/Off RF1: OFF
RF3 Index: 13060001005301.99 | RF3 Mile Point: 3.45 | Distance from RF3: 0.02 | On/Off RF3:
Description:
STN ESTAB 4/25/75. STATION IS LOCATED .2 MILES (0.3 KM) UP FROM THE JUNCTION OF FOREST ROAD #122 AND STATE HIGHWAY 63. T18N, R12E, SEC. 33, SE1/4, NMPM, SANTA FE NATIONAL FOREST, SAN MIGUEL CO., N.M. ELEV. 7680 FT (2341 M). DRAINAGE AREA 11 SQ MI (28.5 SQ KM). PURPOSE: TO MONITOR PRIVATE LAND AND SUMMER HOME USE EFFECTS ON WATER QUALITY. GRAB SAMPLE

Parameter Inventory for Station: PECO0038

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/25/75-08/05/76	8	9.7	8.1	13.3	1.1	19.486	4.414	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/25/75-02/10/76	4	9.15	9.3	17.8	1.1	69.327	8.326	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	04/25/75-08/05/76	7	15.	16.571	36.	7.	81.619	9.034	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/25/75-08/05/76	8	2.35	2.638	5.5	1.2	1.971	1.404	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/25/75-02/10/76	5	10.	9.2	10.	8.	1.2	1.095	**	**	**	**
00400	PH (STANDARD UNITS)	04/25/75-02/10/76	6	8.7	8.55	9.	7.6	0.243	0.493	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/25/75-02/10/76	6	8.7	8.236	9.	7.6	0.361	0.601	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/25/75-02/10/76	6	0.002	0.006	0.025	0.001	0.	0.009	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/25/75-11/14/75	5	0.02	0.033	0.11	0.005	0.002	0.044	**	**	**	**

** - 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: PECO0038

				Total	Exceed	Prop.	7/15-10/14			10/15-3/14			3/15-5/19			5/20-7/14		
Parameter		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00				3	0	0.00	1	0	0.00	1	0	0.00
00400	PH	Other-Hi Lim.	9.	6	1	0.17	1	0	0.00	3	1	0.33	1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	6	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	5	0	0.00	1	0	0.00	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: PECO0039

NPS Station ID: PECO0039 LAT/LON: 35.742309/-105.680476 Agency: 21NMEX Date Created: 01/09/82
Location: HOLY GHOST CR 300M UPSTRM HWY63 BR OVER PECOS R FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): PECOSCON06
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 13060001 Depth of Water: 3 Aquifer:
Major Basin: WESTERN GULF Elevation: 0 Water Body Id:
Minor Basin: UPPER PECOS RIVER ECO Region:
RF1 Index: 13060001020 RF1 Mile Point: 31.570 Distance from RF1: 0.00 On/Off RF1: OFF
RF3 Index: 13060001002029.01 RF3 Mile Point: 29.00 Distance from RF3: 0.01 On/Off RF3:
Description:
ESTABLISHED OCT,1980 AS PART OF COOPERATIVE STUDY WITH SANTA FE NATIONAL FOREST STAFF TO ASSESS AMBIENT WATER QUALITY PRIOR TO DEVELOPMENT AND MINING OF HEAVY METALS (SULFIDE DEPOSITS) IN NATIONAL FOREST. SEDIMENT AND WATER SAMPLES ARE PLANNED.

Parameter Inventory for Station: PECO0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	26	5.5	6.519	15.	1.	20.835	4.565	1.	2.	11.1	13.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	2	5.	5.	5.5	4.5	0.5	0.707	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/09/87-08/02/87	3	0.2	0.583	1.5	0.05	0.636	0.797	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-02/28/88	5	5.	6.	15.	0.	30.	5.477	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-03/18/92	12	5.	8.958	40.	0.	123.248	11.102	0.	2.5	13.75	32.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/05/86-12/05/91	16	96.5	94.875	125.	65.	301.183	17.355	72.	80.25	107.	125.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-03/18/92	30	145.	158.633	272.	82.	1925.964	43.886	110.1	132.25	188.75	214.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	4	9.5	9.55	10.2	9.	0.25	0.5	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/24/81-11/24/81	7	8.6	8.886	10.7	7.8	1.061	1.03	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/24/81-11/24/81	7	98.	97.643	103.	92.	11.893	3.449	**	**	**	**
00400	PH (STANDARD UNITS)	12/04/80-12/05/91	26	7.8	7.857	8.4	7.3	0.092	0.303	7.47	7.6	8.12	8.265
00400	CONVERTED PH (STANDARD UNITS)	12/04/80-12/05/91	26	7.8	7.761	8.4	7.3	0.101	0.318	7.47	7.6	8.12	8.265
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/80-12/05/91	26	0.016	0.017	0.05	0.004	0.	0.012	0.005	0.008	0.025	0.034
00403	PH, LAB, STANDARD UNITS SU	02/09/87-03/18/92	17	7.8	7.829	8.3	7.3	0.073	0.271	7.46	7.65	8.	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	02/09/87-03/18/92	17	7.8	7.751	8.3	7.3	0.08	0.283	7.46	7.65	8.	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/09/87-03/18/92	17	0.016	0.018	0.05	0.005	0.	0.011	0.005	0.01	0.023	0.035
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-03/18/92	20	68.	70.2	113.	41.	354.274	18.822	49.4	55.25	81.25	102.6
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-03/18/92	29	86.	84.31	138.	50.	400.436	20.011	61.	69.	95.	110.
00445	CARBONATE ION (MG/L AS CO3)	02/09/87-03/18/92	14	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-03/18/92	28	1.75	3.339	12.	0.	10.131	3.183	0.95	1.	5.	9.2
00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-03/18/92	21 ##	0.115	0.157	0.74	0.07	0.02	0.142	0.07	0.087	0.185	0.216
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-03/18/92	17	0.025	0.05	0.22	0.	0.004	0.062	0.	0.	0.085	0.156
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-03/18/92	30	0.05	0.1	0.75	0.005	0.019	0.138	0.043	0.05	0.1	0.254
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-02/28/88	5 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/20/86-02/28/88	7 ##	0.02	0.023	0.04	0.02	0.	0.008	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-03/18/92	30	0.155	0.195	0.7	0.01	0.023	0.152	0.05	0.05	0.313	0.379
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-03/18/92	25	0.02	0.036	0.1	0.005	0.001	0.028	0.01	0.02	0.05	0.088
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-03/18/92	21 ##	0.085	0.123	0.79	0.07	0.024	0.156	0.07	0.07	0.09	0.179
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-03/18/92	30 ##	0.005	0.016	0.18	0.001	0.001	0.032	0.005	0.005	0.02	0.029
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-03/18/92	17	92.	93.824	140.	65.	622.779	24.956	65.	70.	113.	140.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-03/18/92	29	28.	29.103	48.	19.7	56.034	7.486	20.	23.6	32.4	40.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-03/18/92	29	3.6	3.621	8.5	1.5	2.537	1.593	1.6	2.5	4.45	5.9
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-03/18/92	29	3.	4.959	16.1	0.	19.634	4.431	1.	2.3	5.5	13.8

** - 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 time series plot

Parameter Inventory for Station: PECO0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-03/18/92	29	0.78	1.943	20.	0.	13.968	3.737	0.	0.32	2.25	3.51
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-03/18/92	30 ##	2.5	2.367	6.	0.5	1.12	1.058	1.	2.	2.5	2.95
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-03/18/92	26	17.	16.769	31.	8.	31.945	5.652	10.4	11.	20.25	25.2
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/05/86-10/31/86	4	15.75	15.625	20.	11.	16.896	4.11	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-03/18/92	10	0.2	0.217	0.38	0.14	0.005	0.07	0.142	0.16	0.255	0.369
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/04/80-03/18/92	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-03/18/92	27 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/04/80-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-03/18/92	27 ##	50.	54.074	110.	50.	217.379	14.744	50.	50.	50.	60.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/04/80-03/18/92	7 ##	50.	43.571	50.	5.	289.286	17.008	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-03/18/92	13 ##	5.	18.154	50.	0.5	490.933	22.157	0.5	5.	50.	50.
01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	4 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/04/80-03/18/92	8 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-03/18/92	27 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/04/80-03/18/92	8 ##	2.5	2.813	5.	2.5	0.781	0.884	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-03/18/92	26 ##	2.5	2.846	9.	2.5	1.815	1.347	2.5	2.5	2.5	3.25
01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	6 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	4 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/80-03/18/92	8 ##	25.	22.5	25.	5.	50.	7.071	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-03/18/92	26 ##	25.	23.346	50.	5.	117.915	10.859	5.	25.	25.	32.5
01045	IRON, TOTAL (UG/L AS FE)	01/09/81-03/18/92	24	140.	213.333	910.	25.	45425.362	213.132	25.	62.5	287.5	570.
01046	IRON, DISSOLVED (UG/L AS FE)	12/04/80-03/18/92	8 ##	50.	84.375	200.	50.	3024.554	54.996	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	12/04/80-03/18/92	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-03/18/92	27 ##	2.5	3.333	5.	2.5	1.442	1.201	2.5	2.5	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-03/18/92	24 ##	25.	31.438	150.	2.5	716.985	26.777	25.	25.	25.	51.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/04/80-03/18/92	8 ##	25.	28.125	50.	25.	78.125	8.839	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/04/80-03/18/92	7 ##	50.	43.214	50.	2.5	322.321	17.953	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-03/18/92	21 ##	5.	12.738	50.	2.5	344.315	18.556	2.5	2.5	5.	50.
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/20/86-03/18/92	17 ##	25.	32.353	50.	25.	137.868	11.742	25.	25.	50.	50.
01075	SILVER, DISSOLVED (UG/L AS AG)	12/04/80-03/18/92	8 ##	0.5	19.063	50.	0.5	656.317	25.619	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-03/18/92	26 ##	0.5	4.308	50.	0.5	180.942	13.451	0.5	0.5	0.5	15.35
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	6	200.	200.	300.	100.	8000.	89.443	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	4	250.	250.	300.	200.	3333.333	57.735	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	6 ##	50.	83.333	200.	50.	3666.667	60.553	**	**	**	**
01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-11/24/81	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/80-03/18/92	8 ##	25.	76.25	180.	25.	5291.071	72.74	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-03/18/92	26 ##	25.	75.	550.	15.	16104.	126.902	22.	25.	50.	274.
01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	6 ##	50.	75.	200.	50.	3750.	61.237	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	4 ##	50.	62.5	100.	50.	625.	25.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-03/18/92	9	200.	236.667	460.	50.	24675.	157.083	50.	85.	400.	460.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	7 ##	100.	128.571	300.	50.	9047.619	95.119	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	6	450.	1825.	4900.	50.	5337750.	2310.357	**	**	**	**
01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	4	450.	750.	2000.	100.	763333.333	873.689	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/04/80-03/18/92	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-03/18/92	27 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-03/18/92	29	106.	111.207	185.	76.	589.384	24.277	84.	94.	124.	142.
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/04/80-03/18/92	8 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-03/18/92	27 ##	0.25	0.263	0.6	0.25	0.005	0.067	0.25	0.25	0.25	0.25
82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	6	32.	7857.333	47000.	20.	367715660.667	19175.914	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	6	3.5	986.167	5900.	3.	5794982.167	2407.277	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/05/86-12/05/91	17	2.4	3.071	9.	0.2	6.956	2.637	0.36	0.75	5.4	7.24
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-03/18/92	9	2.4	3.133	9.3	0.3	8.618	2.936	0.3	0.7	4.9	9.3

** - 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 time series plot

EPA Water Quality Criteria Analysis for Station: PECO0039

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00	1	0	0.00	2	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00
00400	PH	Other-Hi Lim.	9.	26	0	0.00	7	0	0.00	10	0	0.00	8	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	26	0	0.00	7	0	0.00	10	0	0.00	8	0	0.00	1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	17	0	0.00	4	0	0.00	6	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	17	0	0.00	4	0	0.00	6	0	0.00	7	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	25	0	0.00	6	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	30	0	0.00	8	0	0.00	11	0	0.00	10	0	0.00	1	0	0.00
		Drinking Water	250.	30	0	0.00	8	0	0.00	11	0	0.00	10	0	0.00	1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	26	0	0.00	6	0	0.00	10	0	0.00	9	0	0.00	1	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	10	0	0.00	2	0	0.00	3	0	0.00	5	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	50.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	27	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
		Drinking Water	50.	27	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	27	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	7	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	13	0	0.00	2	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00
		Drinking Water	4.	2 &	0	0.00	1	0	0.00	1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	5.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	27	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
		Drinking Water	5.	27	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	26	0	0.00	7	0	0.00	9	0	0.00	8	0	0.00	2	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1 &	0	0.00				1	0	0.00						
		Drinking Water	1300.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	0	0.00				2	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	1300.	26	0	0.00	7	0	0.00	9	0	0.00	8	0	0.00	2	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	15.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	27	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
		Drinking Water	15.	27	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	7	0	0.00	2	0	0.00	2	0	0.00	3	0	0.00			
		Drinking Water	100.	7	0	0.00	2	0	0.00	2	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	17	0	0.00	5	0	0.00	6	0	0.00	6	0	0.00			
		Drinking Water	100.	17	0	0.00	5	0	0.00	6	0	0.00	6	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	24 &	0	0.00	7	0	0.00	7	0	0.00	8	0	0.00	2	0	0.00
		Drinking Water	100.	26	0	0.00	7	0	0.00	8	0	0.00	9	0	0.00	2	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	7 &	2	0.29	2	0	0.00	2	0	0.00	3	2	0.67			
		Drinking Water	5000.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	25 &	3	0.12	7	1	0.14	8	1	0.13	8	1	0.13	2	0	0.00
		Drinking Water	5000.	26	0	0.00	7	0	0.00	9	0	0.00	8	0	0.00	2	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	50.	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	27	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
		Drinking Water	50.	27	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
28011	URANIUM, NATURAL, TOTAL	Drinking Water	20.	2	0	0.00				1	0	0.00				1	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	8	0	0.00	2	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	2.	8	0	0.00	2	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 Station: PECO0039

Parameter				Total	Exceed	Prop.	----------7/15-10/14----------			----------10/15-3/14----------			----------3/15-5/19----------			----------5/20-7/14----------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
71900	MERCURY, TOTAL	Fresh Acute	2.4	27	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
		Drinking Water	2.	27	0	0.00	7	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	17	0	0.00	5	0	0.00	6	0	0.00	6	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	9	0	0.00	2	0	0.00	4	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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station PECO0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	7	11.8	11.314	14.8	8.2	5.745	2.397	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-03/18/92	8	134.	132.75	185.	82.	1047.357	32.363	**	**	**	**
00400	PH (STANDARD UNITS)	12/04/80-12/05/91	7	7.7	7.84	8.3	7.6	0.061	0.246	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/04/80-12/05/91	7	7.7	7.79	8.3	7.6	0.063	0.252	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/80-12/05/91	7	0.02	0.016	0.025	0.005	0.	0.007	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-03/18/92	8	70.	70.625	93.	50.	150.268	12.258	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-03/18/92	7 ##	1.5	3.	11.	1.	12.833	3.582	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-03/18/92	8	0.065	0.114	0.31	0.005	0.013	0.112	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-03/18/92	8	0.155	0.194	0.34	0.05	0.013	0.115	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-03/18/92	6 ##	0.02	0.016	0.02	0.005	0.	0.007	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-03/18/92	8 ##	0.005	0.011	0.03	0.005	0.	0.009	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-03/18/92	8	22.55	24.05	32.	19.7	18.469	4.298	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-03/18/92	8	2.95	3.375	5.4	2.1	1.351	1.162	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-03/18/92	8	5.	6.163	13.8	0.	26.603	5.158	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-03/18/92	8	1.39	1.59	3.51	0.	1.798	1.341	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-03/18/92	8 ##	2.25	1.938	2.5	0.5	0.603	0.776	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-03/18/92	6	11.	10.5	13.	8.	3.1	1.761	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-03/18/92	7 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-03/18/92	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-03/18/92	7 ##	5.	3.929	5.	2.5	1.786	1.336	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-03/18/92	7 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-03/18/92	7 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-03/18/92	8	96.	97.875	122.	78.	249.268	15.788	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-03/18/92	7 ##	0.25	0.3	0.6	0.25	0.018	0.132	**	**	**	**

** - 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: 10/15 to 3/14 - Station PECO0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	10	1.9	2.77	8.	1.	5.2	2.28	1.	1.	4.1	7.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-03/18/92	11	171.	173.818	245.	113.	1689.364	41.102	117.4	139.	213.	239.
00400	PH (STANDARD UNITS)	12/04/80-12/05/91	10	7.8	7.852	8.4	7.4	0.127	0.356	7.41	7.5	8.195	8.384
00400	CONVERTED PH (STANDARD UNITS)	12/04/80-12/05/91	10	7.8	7.735	8.4	7.4	0.142	0.377	7.41	7.5	8.195	8.384
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/80-12/05/91	10	0.016	0.018	0.04	0.004	0.	0.013	0.004	0.006	0.032	0.039
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-03/18/92	11	92.	94.	127.	68.	234.	15.297	70.6	87.	100.	123.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-03/18/92	10	1.75	2.4	6.	0.	3.544	1.883	0.1	1.	3.5	5.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-03/18/92	11 ##	0.05	0.052	0.093	0.01	0.	0.02	0.016	0.05	0.05	0.089
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-03/18/92	11	0.11	0.145	0.39	0.05	0.015	0.122	0.05	0.05	0.26	0.374
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-03/18/92	9	0.05	0.044	0.1	0.01	0.001	0.028	0.01	0.02	0.06	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-03/18/92	11	0.01	0.012	0.03	0.003	0.	0.008	0.003	0.005	0.02	0.028
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-03/18/92	11	31.6	32.327	48.	24.8	44.442	6.666	24.96	26.	36.	46.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-03/18/92	11	4.	4.209	8.5	1.5	3.931	1.983	1.6	2.9	5.6	7.98
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-03/18/92	11	3.	4.764	16.1	2.3	16.333	4.041	2.3	2.3	5.	14.26
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-03/18/92	11	0.78	1.008	3.	0.	1.065	1.032	0.05	0.39	1.	3.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-03/18/92	11 ##	2.5	2.318	5.	0.5	1.264	1.124	0.6	2.	2.5	4.5
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-03/18/92	10	19.5	19.7	28.	14.	17.789	4.218	14.1	15.75	21.75	27.6
01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-03/18/92	9 ##	50.	55.556	100.	50.	277.778	16.667	50.	50.	50.	100.
01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-03/18/92	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-03/18/92	9 ##	2.5	3.333	5.	2.5	1.563	1.25	2.5	2.5	5.	5.
01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-03/18/92	8 ##	0.5	6.688	50.	0.5	306.281	17.501	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-03/18/92	10	117.5	117.2	142.	91.	351.067	18.737	91.3	100.	137.	141.8
71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-03/18/92	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	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 box-and-whisker plot

Seasonal Analysis for Season #3: 3/15 to 5/19 - Station PECO0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	8	5.5	5.95	11.	2.	9.083	3.014	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-03/18/92	10	152.	164.1	272.	110.	2579.878	50.792	110.1	120.75	196.	265.9
00400	PH (STANDARD UNITS)	12/04/80-12/05/91	8	7.85	7.861	8.25	7.3	0.109	0.331	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/04/80-12/05/91	8	7.847	7.748	8.25	7.3	0.124	0.352	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/80-12/05/91	8	0.014	0.018	0.05	0.006	0.	0.015	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-03/18/92	9	74.	84.444	138.	60.	660.778	25.706	60.	64.	101.5	138.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-03/18/92	10	4.	4.75	12.	0.5	14.403	3.795	0.55	1.	7.5	11.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-03/18/92	10	0.09	0.146	0.75	0.05	0.046	0.213	0.05	0.05	0.103	0.686
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-03/18/92	10	0.175	0.232	0.7	0.01	0.039	0.198	0.014	0.11	0.333	0.667
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-03/18/92	9	0.02	0.043	0.1	0.02	0.001	0.032	0.02	0.02	0.075	0.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-03/18/92	10 ##	0.005	0.008	0.02	0.001	0.	0.007	0.001	0.005	0.013	0.02
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-03/18/92	9	24.2	29.578	46.	20.	84.264	9.18	20.	22.6	38.	46.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-03/18/92	9	3.6	3.278	6.	1.5	1.862	1.365	1.5	2.1	3.85	6.
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-03/18/92	9	3.	4.422	16.	0.	22.317	4.724	0.	1.65	5.5	16.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-03/18/92	9	1.	3.614	20.	0.	41.043	6.406	0.	0.375	4.	20.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-03/18/92	10 ##	2.5	2.8	6.	2.	1.344	1.16	2.	2.375	2.625	5.7
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-03/18/92	9	17.	18.	31.	11.	35.	5.916	11.	14.	20.	31.
01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-03/18/92	9 ##	50.	56.667	110.	50.	400.	20.	50.	50.	50.	110.
01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-03/18/92	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-03/18/92	9 ##	2.5	3.056	5.	2.5	1.215	1.102	2.5	2.5	3.75	5.
01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-03/18/92	9 ##	0.5	6.	50.	0.5	272.25	16.5	0.5	0.5	0.5	50.
01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-03/18/92	9 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-03/18/92	10	112.5	119.4	185.	88.	878.489	29.639	88.6	95.5	141.	180.9
71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-03/18/92	9 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	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 box-and-whisker plot

Seasonal Analysis for Season #4: 5/20 to 7/14 - Station PECO0039

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-03/18/92	1	144.	144.	144.	144.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	12/04/80-12/05/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/04/80-12/05/91	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/80-12/05/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-03/18/92	1	86.	86.	86.	86.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-03/18/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-03/18/92	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-03/18/92	1	0.38	0.38	0.38	0.38	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-03/18/92	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-03/18/92	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-03/18/92	1	29.8	29.8	29.8	29.8	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-03/18/92	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-03/18/92	1	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-03/18/92	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-03/18/92	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-03/18/92	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-03/18/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-03/18/92	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-03/18/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-03/18/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-03/18/92	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-03/18/92	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-03/18/92	1	76.	76.	76.	76.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-03/18/92	2 ##	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 box-and-whisker plot

Station Inventory for Station: PECO0040

NPS Station ID: PECO0040
LAT/LON: 35.742505/-105.676670
Agency: 21NMEX
Date Created: / /
Location: PECOS R AT TERRERO, NM
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UPR080
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 4
Aquifer:
Major Basin: WESTERN GULF
Elevation: 0
Water Body Id:
Minor Basin: PECOS RIVER MAIN STEM
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 31.570
Distance from RF1: 0.80
On/Off RF1: ON
RF3 Index: 13060001002029.01
RF3 Mile Point: 29.00
Distance from RF3: 0.01
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/29/71-12/05/91	56	10.85	9.821	18.	0.5	17.464	4.179	3.09	7.175	12.8	14.65
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	2	5.85	5.85	7.2	4.5	3.645	1.909	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	06/19/72-08/02/87	19	1.9	3.211	16.	0.2	13.634	3.692	0.4	1.1	4.5	7.3
00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-03/10/89	8	12.5	17.5	50.	5.	264.286	16.257	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/02/92	18	5.	12.222	40.	0.	175.654	13.253	2.25	2.5	18.75	40.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/20/86-12/05/91	21	95.	98.429	125.	78.	247.857	15.743	78.4	85.	113.5	121.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/02/92	66	138.	153.924	243.	94.	1317.579	36.298	119.1	126.5	182.5	207.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/10/89-12/05/91	7	9.5	8.871	10.2	6.	2.016	1.42	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	06/29/71-08/24/72	11	7.8	7.773	8.5	7.1	0.246	0.496	7.1	7.3	8.2	8.44
00400	PH (STANDARD UNITS)	06/29/71-12/05/91	39	8.15	8.124	8.43	7.7	0.035	0.186	7.8	8.	8.27	8.32
00400	CONVERTED PH (STANDARD UNITS)	06/29/71-12/05/91	39	8.15	8.082	8.43	7.7	0.036	0.191	7.8	8.	8.27	8.32
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/29/71-12/05/91	39	0.007	0.008	0.02	0.004	0.	0.004	0.005	0.005	0.01	0.016
00403	PH, LAB, STANDARD UNITS SU	02/09/87-09/02/92	27	7.8	7.841	8.7	7.	0.136	0.369	7.3	7.6	8.2	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	02/09/87-09/02/92	27	7.8	7.688	8.7	7.	0.161	0.401	7.3	7.6	8.2	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/09/87-09/02/92	27	0.016	0.021	0.1	0.002	0.	0.02	0.005	0.006	0.025	0.05
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	30	77.	72.833	100.	45.	280.006	16.733	50.1	54.25	85.	97.9
00440	BICARBONATE ION (MG/L AS HCO3)	07/20/86-09/02/92	30	94.	88.767	121.	55.	403.151	20.079	62.	66.25	102.5	118.9
00445	CARBONATE ION (MG/L AS CO3)	02/09/87-09/02/92	24	0.	0.167	4.	0.	0.667	0.816	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/20/86-09/02/92	30	4.	7.133	39.	1.5	75.964	8.716	1.5	1.5	9.25	20.2
00600	NITROGEN, TOTAL (MG/L AS N)	07/20/86-05/01/92	30 ##	0.155	0.275	1.44	0.	0.121	0.348	0.07	0.09	0.28	0.665
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-05/01/92	26	0.04	0.171	1.3	0.	0.117	0.342	0.	0.	0.19	0.72
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-05/01/92	31 ##	0.05	0.093	0.29	0.035	0.004	0.067	0.05	0.05	0.13	0.19
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-03/10/89	8 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/30/76-03/10/89	11 ##	0.02	0.041	0.11	0.02	0.001	0.034	0.02	0.02	0.08	0.106
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/20/86-05/01/92	30	0.195	0.265	1.4	0.05	0.11	0.332	0.05	0.05	0.293	0.619
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/20/86-05/01/92	22 ##	0.03	0.05	0.11	0.02	0.001	0.034	0.02	0.02	0.08	0.1
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	07/20/86-05/01/92	30 ##	0.09	0.118	0.36	0.07	0.006	0.075	0.07	0.07	0.13	0.28
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-05/01/92	31	0.02	0.03	0.23	0.005	0.002	0.043	0.005	0.005	0.04	0.07
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/20/72-07/27/72	2	4.5	4.5	5.9	3.1	3.92	1.98	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-09/02/92	27	100.	104.889	273.	58.	1749.872	41.831	62.8	80.	123.	140.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/86-09/02/92	30	30.5	32.793	101.	19.2	210.58	14.511	21.41	24.525	36.	41.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/86-09/02/92	30	3.55	5.223	19.5	1.2	22.889	4.784	1.55	2.4	5.	13.93
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/86-09/02/92	30	2.5	3.591	13.8	0.5	8.637	2.939	1.	2.	5.	5.9
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/86-09/02/92	30	1.	1.486	8.	0.	2.856	1.69	0.25	0.5	2.	2.95
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/86-09/02/92	30 ##	2.5	2.567	6.	0.5	0.909	0.954	2.5	2.5	2.5	2.5
00945	SULFATE, TOTAL (MG/L AS SO4)	02/09/87-09/02/92	27	15.	15.204	29.	2.5	35.274	5.939	7.6	11.	18.	23.6
00946	SULFATE, DISSOLVED (MG/L AS SO4)	07/20/86-10/31/86	3	19.	17.	21.	11.	28.	5.292	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-09/02/92	18	0.17	0.166	0.32	0.05	0.003	0.055	0.113	0.12	0.19	0.239

** - 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: PECO0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	07/20/86-05/01/92	28 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	12 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01007	BARIUM, TOTAL (UG/L AS BA)	07/20/86-05/01/92	27 ##	50.	51.852	100.	50.	92.593	9.623	50.	50.	50.	50.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	11 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-05/01/92	12 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	11 ##	50.	81.818	400.	50.	11136.364	105.529	50.	50.	50.	330.
01022	BORON, TOTAL (UG/L AS B)	02/28/91-05/01/92	12 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	12 ##	0.5	1.	4.	0.5	1.409	1.187	0.5	0.5	0.5	3.7
01027	CADMIUM, TOTAL (UG/L AS CD)	07/20/86-05/01/92	28 ##	0.5	0.911	6.	0.5	2.075	1.441	0.5	0.5	0.5	1.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/20/86-05/01/92	28 ##	2.5	2.589	5.	2.5	0.223	0.472	2.5	2.5	2.5	2.5
01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	11 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-05/01/92	12 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	12 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	07/20/86-05/01/92	28 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	07/20/86-05/01/92	27	200.	290.37	900.	25.	58409.473	241.681	45.	100.	430.	692.
01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	12 ##	50.	129.167	600.	50.	27026.515	164.397	50.	50.	100.	510.
01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01051	LEAD, TOTAL (UG/L AS PB)	07/20/86-05/01/92	28 ##	2.5	3.786	10.	2.5	3.138	1.771	2.5	2.5	5.	5.1
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/86-05/01/92	27 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	12 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	11 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/20/86-05/01/92	21 ##	50.	30.714	50.	5.	520.714	22.819	5.	5.	50.	50.
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	12 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	07/20/86-05/01/92	28 ##	25.	36.607	50.	25.	161.21	12.697	25.	25.	50.	50.
01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	12 ##	0.5	21.125	50.	0.5	649.688	25.489	0.5	0.5	50.	50.
01077	SILVER, TOTAL (UG/L AS AG)	07/20/86-05/01/92	28 ##	0.5	14.643	50.	0.5	518.571	22.772	0.5	0.5	50.	50.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	11	200.	172.727	200.	100.	2181.818	46.71	100.	100.	200.	200.
01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-05/01/92	12	200.	158.333	200.	50.	4015.152	63.365	50.	100.	200.	200.
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	11 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	11 ##	50.	136.364	600.	50.	29045.455	170.427	50.	50.	100.	540.
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	12	105.	284.583	1200.	25.	188802.083	434.514	25.	33.75	262.5	1200.
01092	ZINC, TOTAL (UG/L AS ZN)	07/20/86-05/01/92	28	60.	188.75	1600.	25.	155251.157	394.019	25.	25.	130.	483.
01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	11 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01102	TIN, TOTAL (UG/L AS SN)	02/28/91-05/01/92	12 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-05/01/92	17	200.	385.882	1300.	50.	135138.235	367.612	50.	80.	650.	900.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	12	125.	204.167	700.	50.	38390.152	195.934	50.	50.	300.	610.
01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	11	3600.	2518.182	4200.	400.	2683636.364	1638.181	400.	600.	3800.	4180.
01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-05/01/92	12	300.	516.667	1900.	100.	323333.333	568.624	130.	200.	475.	1780.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01147	SELENIUM, TOTAL (UG/L AS SE)	07/20/86-05/01/92	28 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	45	10.	33.478	630.	1.	8914.681	94.418	2.8	5.	28.5	59.2
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/29/71-09/30/76	45	1.	1.064	2.799	0.	0.314	0.561	0.445	0.699	1.455	1.761
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			11.593								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/24/72-08/01/72	3	210.	240.	380.	130.	16300.	127.671	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/24/72-08/01/72	3	2.322	2.339	2.58	2.114	0.054	0.233	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			218.097								
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/86-09/02/92	30	116.	112.667	180.	64.	735.747	27.125	69.	94.	130.25	143.8
71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	12 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	07/20/86-05/01/92	28 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	11	35.	14382.545	41000.	21.	397057265.073	19926.296	21.4	29.	39000.	40800.
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	11	4.	1629.182	4800.	2.	5133349.964	2265.69	2.	3.	4200.	4800.
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	07/20/86-12/05/91	19	3.9	4.163	12.5	0.4	12.661	3.558	0.6	1.	6.5	9.3
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/12/88-09/02/92	19	3.2	5.468	21.	0.4	37.583	6.131	0.4	0.7	8.	19.

** - 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: PECO0040

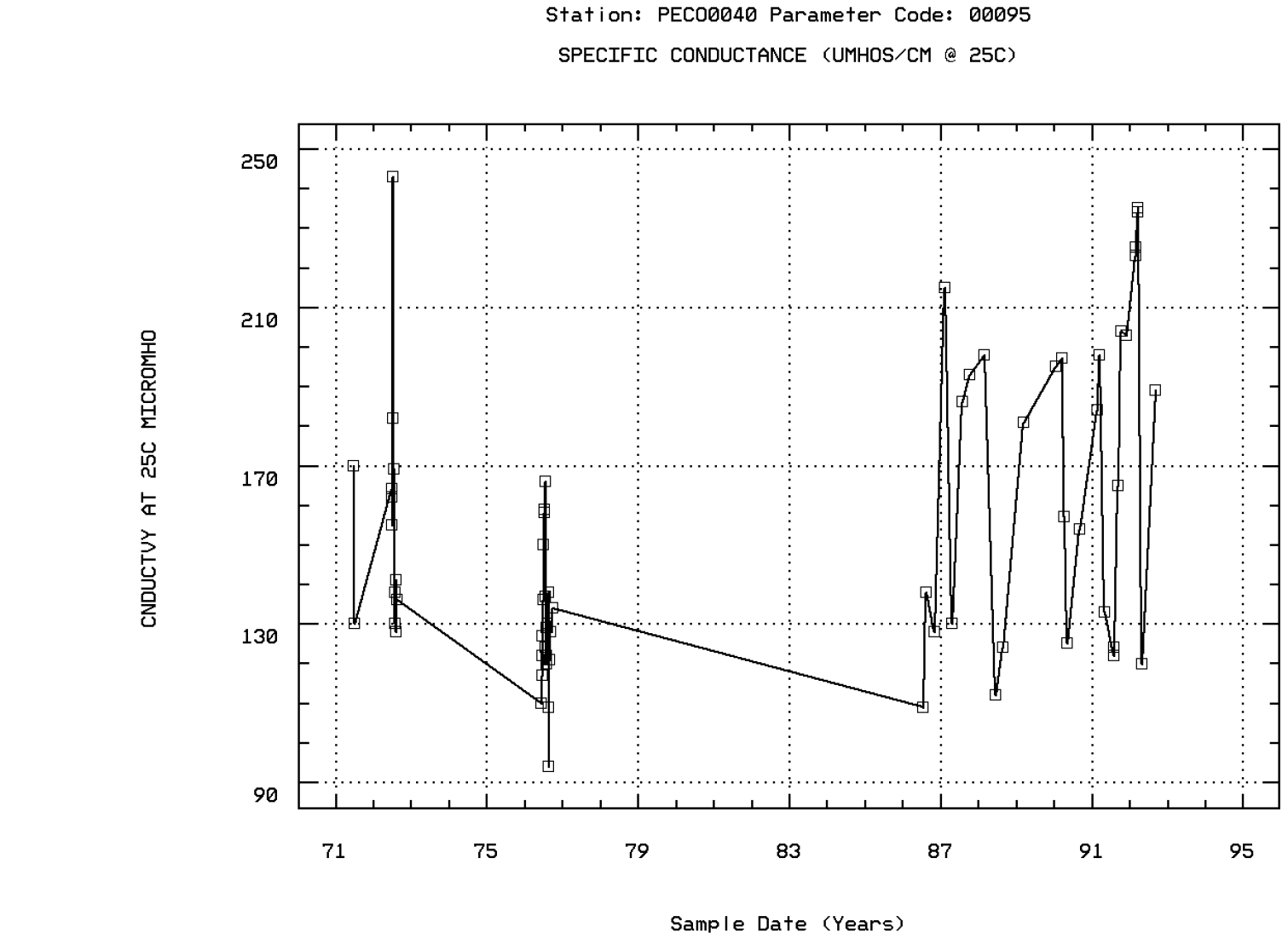
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	19	0	0.00	9	0	0.00	1	0	0.00	1	0	0.00	8	0	0.00
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	11	0	0.00	6	0	0.00							5	0	0.00
00400	PH	Other-Hi Lim.	9.	39	0	0.00	16	0	0.00	7	0	0.00	5	0	0.00	11	0	0.00
		Other-Lo Lim.	6.5	39	0	0.00	16	0	0.00	7	0	0.00	5	0	0.00	11	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	27	0	0.00	9	0	0.00	8	0	0.00	9	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	27	0	0.00	9	0	0.00	8	0	0.00	9	0	0.00	1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	11	0	0.00	6	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	22	0	0.00	7	0	0.00	6	0	0.00	9	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	30	0	0.00	11	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
		Drinking Water	250.	30	0	0.00	11	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	27	0	0.00	9	0	0.00	8	0	0.00	9	0	0.00	1	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	3	0	0.00	2	0	0.00	1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	18	0	0.00	6	0	0.00	4	0	0.00	8	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	50.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
		Drinking Water	50.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	27	0	0.00	9	0	0.00	9	0	0.00	8	0	0.00	1	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	11	0	0.00	3	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	12	0	0.00	3	0	0.00	4	0	0.00	5	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	12	1	0.08	4	0	0.00	4	0	0.00	4	1	0.25			
		Drinking Water	5.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	28	2	0.07	9	0	0.00	9	0	0.00	9	2	0.22	1	0	0.00
		Drinking Water	5.	28	2	0.07	9	0	0.00	9	0	0.00	9	2	0.22	1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	15.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
		Drinking Water	15.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	100.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
		Drinking Water	100.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	7 &	0	0.00	1	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	100.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	20 &	0	0.00	6	0	0.00	8	0	0.00	5	0	0.00	1	0	0.00
		Drinking Water	100.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	12	6	0.50	4	1	0.25	4	2	0.50	4	3	0.75			
		Drinking Water	5000.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	28	9	0.32	9	2	0.22	9	4	0.44	9	3	0.33	1	0	0.00
		Drinking Water	5000.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	50.	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
		Drinking Water	50.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	45	1	0.02	21	1	0.05							24	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	12	0	0.00	4	0	0.00	4	0	0.00	4	0	0.00			
		Drinking Water	2.	12	0	0.00	4	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

EPA Water Quality Criteria Analysis for Station: PECO0040

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
71900	MERCURY, TOTAL	Fresh Acute	2.4	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
		Drinking Water	2.	28	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	1	0	0.00
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	19	0	0.00	8	0	0.00	6	0	0.00	5	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	19	0	0.00	7	0	0.00	6	0	0.00	5	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



PECOS R AT TERRERO, NM

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station PECO0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/02/92	31	130.	139.71	204.	94.	692.546	26.316	111.2	124.	154.	188.4
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	11	69.	67.727	86.	50.	217.818	14.759	50.2	51.	83.	85.8
00440	BICARBONATE ION (MG/L AS HCO3)	07/20/86-09/02/92	11	85.	82.636	104.	62.	305.255	17.472	62.	63.	101.	103.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/20/86-09/02/92	11	4.	8.818	29.	1.5	84.864	9.212	1.5	1.5	12.	27.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-05/01/92	11 ##	0.05	0.105	0.29	0.035	0.007	0.086	0.038	0.05	0.19	0.27
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-05/01/92	11	0.03	0.049	0.23	0.005	0.004	0.066	0.005	0.005	0.07	0.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/86-09/02/92	11	28.	28.936	36.	19.2	37.853	6.152	19.64	21.5	34.6	35.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/86-09/02/92	11	3.4	5.382	17.1	2.	22.456	4.739	2.04	2.9	7.3	15.92
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/86-09/02/92	11 ##	2.5	4.004	11.5	1.	8.374	2.894	1.2	2.24	5.	10.2
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/86-09/02/92	11	1.56	1.373	2.5	0.15	0.638	0.799	0.198	0.5	2.	2.4
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/86-09/02/92	11 ##	2.5	2.136	2.5	0.5	0.655	0.809	0.5	2.5	2.5	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/86-09/02/92	11	102.	103.727	132.	64.	453.218	21.289	66.8	88.	122.	130.4

** - 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

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station PECO0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/02/92	9	198.	194.667	225.	128.	870.25	29.5	128.	182.5	219.	225.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	9	83.	83.667	98.	70.	87.	9.327	70.	77.	92.	98.
00440	BICARBONATE ION (MG/L AS HCO3)	07/20/86-09/02/92	9	101.	102.111	120.	85.	136.111	11.667	85.	94.	112.5	120.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/20/86-09/02/92	9 ##	1.5	2.611	6.	1.5	2.486	1.577	1.5	1.5	3.5	6.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-05/01/92	9 ##	0.05	0.081	0.17	0.05	0.003	0.05	0.05	0.05	0.13	0.17
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-05/01/92	9 ##	0.005	0.013	0.04	0.005	0.	0.012	0.005	0.005	0.02	0.04
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/86-09/02/92	9	34.	33.333	41.	24.	31.75	5.635	24.	28.5	38.	41.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/86-09/02/92	9	4.	5.889	14.	2.4	20.039	4.476	2.4	3.2	9.1	14.
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/86-09/02/92	9	2.9	4.244	13.8	2.	14.245	3.774	2.	2.	5.	13.8
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/86-09/02/92	9	0.7	0.637	1.	0.	0.127	0.356	0.	0.375	1.	1.
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/86-09/02/92	9 ##	2.5	2.778	5.	2.5	0.694	0.833	2.5	2.5	2.5	5.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/86-09/02/92	9	120.	123.111	144.	106.	181.111	13.458	106.	112.	136.	144.

** - 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 #3: 3/15 to 5/19 - Station PECO0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/02/92	9	157.	169.889	235.	120.	2187.111	46.767	120.	127.5	216.	235.
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	9	65.	71.333	100.	50.	388.5	19.71	50.	53.5	90.5	100.
00440	BICARBONATE ION (MG/L AS HCO3)	07/20/86-09/02/92	9	79.	86.667	121.	61.	544.25	23.329	61.	65.5	109.	121.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/20/86-09/02/92	9	6.	9.611	39.	1.5	132.986	11.532	1.5	3.5	11.	39.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-05/01/92	10 ##	0.075	0.095	0.25	0.05	0.004	0.063	0.05	0.05	0.123	0.238
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-05/01/92	10	0.02	0.028	0.07	0.005	0.001	0.022	0.005	0.009	0.045	0.069
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/86-09/02/92	9	29.	37.944	101.	20.	623.988	24.98	20.	23.85	42.5	101.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/86-09/02/92	9	2.5	2.778	5.	1.2	2.124	1.458	1.2	1.5	4.3	5.
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/86-09/02/92	9	2.	2.722	6.	0.5	4.194	2.048	0.5	1.	5.	6.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/86-09/02/92	9	1.	2.528	8.	0.25	7.351	2.711	0.25	0.75	4.5	8.
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/86-09/02/92	9 ##	2.5	2.889	6.	2.5	1.361	1.167	2.5	2.5	2.5	6.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/86-09/02/92	9	108.	118.111	180.	68.	1404.111	37.471	68.	88.	151.	180.

** - 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

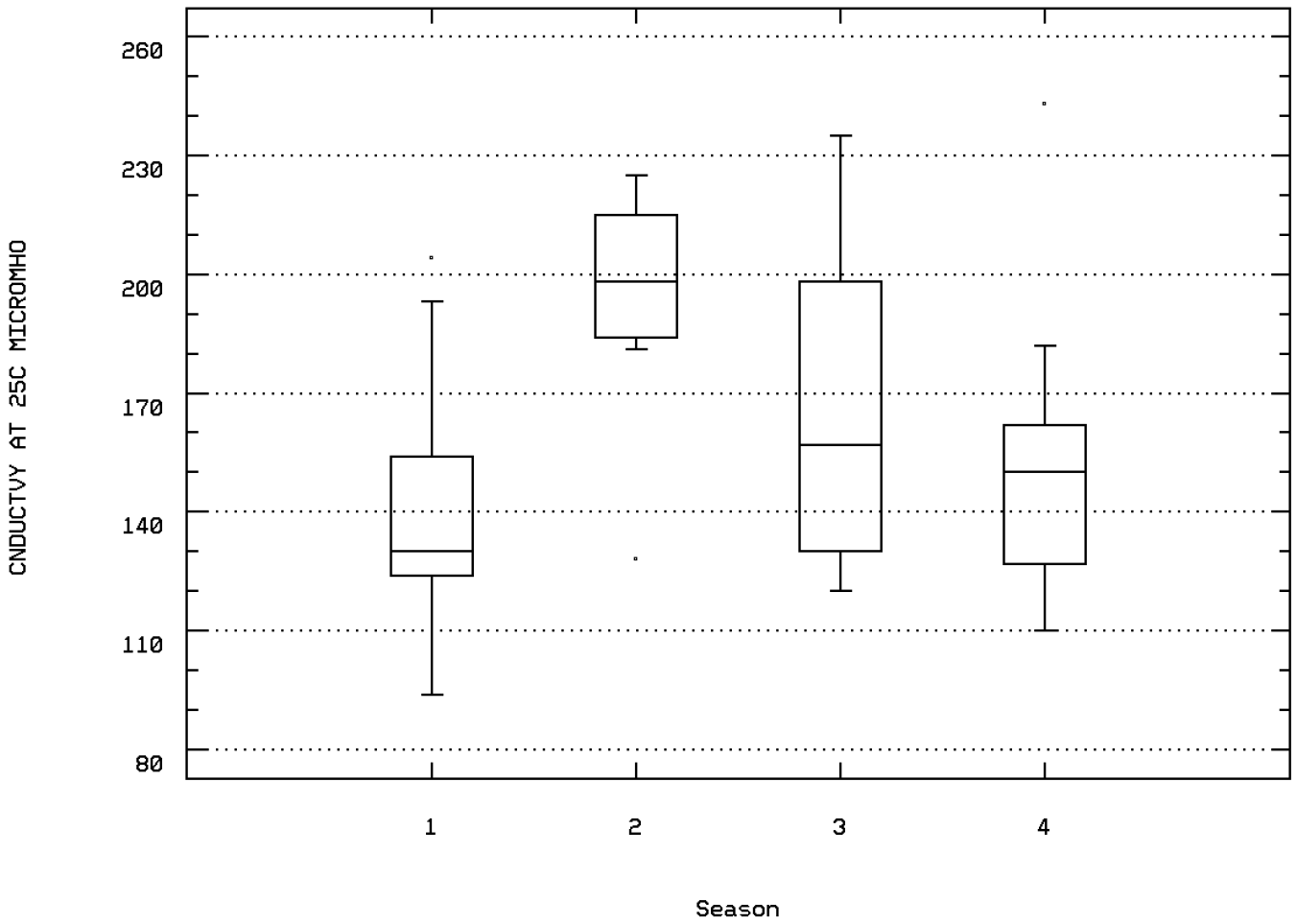
Seasonal Analysis for Season #4: 5/20 to 7/14 - Station PECO0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/29/71-09/02/92	17	150.	149.824	243.	110.	1039.029	32.234	111.6	124.5	163.	194.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	1	45.	45.	45.	45.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	07/20/86-09/02/92	1	55.	55.	55.	55.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/20/86-09/02/92	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/30/76-05/01/92	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/30/76-05/01/92	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/86-09/02/92	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/86-09/02/92	1	19.5	19.5	19.5	19.5	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/86-09/02/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/86-09/02/92	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/86-09/02/92	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/20/86-09/02/92	1	68.	68.	68.	68.	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

Station: PECO0040 Parameter Code: 00095

SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



PECOS R AT TERRERO, NM

Station Inventory for Station: PECO0041

NPS Station ID: PECO0041
LAT/LON: 35.746670/-105.655004
Agency: 21NMEX
Date Created: 03/23/91
Location: WILLOW CREEK ABV SPOILS
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): UPR214.007016 /UPR214007016/PEC060
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2402
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region: 21M
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 1.30
On/Off RF1:
RF3 Index: 13060001006600.00
RF3 Mile Point: 0.04
Distance from RF3: 0.03
On/Off RF3:
Description:
WILLOW CREEK APX 200 METERS ABV STATE ROAD 63

Parameter Inventory for Station: PECO0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/23/90-12/05/91	12	4.	4.992	12.1	0.5	14.89	3.859	0.59	1.5	8.825	11.47
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-12/05/91	3	9.	8.567	12.2	4.5	14.963	3.868	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-12/08/92	18	2.5	3.75	15.	0.	17.831	4.223	0.	0.	5.	10.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/23/90-12/05/91	12	177.5	186.083	228.	150.	603.174	24.56	153.	170.	208.75	224.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/23/90-12/08/92	18	298.	297.444	322.	263.	361.32	19.008	265.7	284.75	318.5	321.1
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/23/90-12/05/91	6	8.95	8.617	9.7	6.2	1.726	1.314	**	**	**	**
00400	PH (STANDARD UNITS)	01/23/90-12/05/91	12	8.33	8.318	8.62	7.81	0.046	0.213	7.927	8.2	8.47	8.587
00400	CONVERTED PH (STANDARD UNITS)	01/23/90-12/05/91	12	8.329	8.263	8.62	7.81	0.049	0.221	7.927	8.2	8.47	8.587
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-12/05/91	12	0.005	0.005	0.015	0.002	0.	0.003	0.003	0.003	0.006	0.013
00403	PH, LAB, STANDARD UNITS SU	01/23/90-12/08/92	18	8.	7.939	8.4	7.3	0.058	0.24	7.66	7.8	8.1	8.22
00403	CONVERTED PH, LAB, STANDARD UNITS	01/23/90-12/08/92	18	8.	7.867	8.4	7.3	0.063	0.252	7.66	7.8	8.1	8.22
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/23/90-12/08/92	18	0.01	0.014	0.05	0.004	0.	0.01	0.006	0.008	0.016	0.023
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	01/23/90-12/08/92	18	147.5	147.333	157.	137.	35.412	5.951	137.	143.5	152.5	156.1
00440	BICARBONATE ION (MG/L AS HCO3)	01/23/90-12/08/92	18	180.5	179.167	191.	159.	71.676	8.466	166.2	172.75	185.75	191.
00445	CARBONATE ION (MG/L AS CO3)	03/18/90-12/08/92	16	0.	0.25	4.	0.	1.	1.	0.	0.	0.	1.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/23/90-12/08/92	18	7.	16.056	77.	1.	472.85	21.745	1.45	3.	21.25	64.4
00600	NITROGEN, TOTAL (MG/L AS N)	01/23/90-05/01/92	16 ##	0.18	0.19	0.45	0.07	0.011	0.104	0.07	0.101	0.244	0.359
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/23/90-05/01/92	16	0.01	0.056	0.25	0.	0.006	0.08	0.	0.	0.078	0.205
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/23/90-05/01/92	16 ##	0.05	0.071	0.19	0.05	0.002	0.041	0.05	0.05	0.088	0.148
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/23/90-05/01/92	16	0.115	0.166	0.47	0.05	0.016	0.128	0.05	0.05	0.255	0.407
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	01/23/90-05/01/92	16	0.06	0.064	0.14	0.02	0.002	0.043	0.02	0.02	0.087	0.14
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/23/90-05/01/92	16 ##	0.085	0.11	0.25	0.07	0.003	0.055	0.07	0.07	0.12	0.215
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/23/90-05/01/92	16	0.03	0.141	1.6	0.005	0.153	0.392	0.005	0.005	0.098	0.578
00900	HARDNESS, TOTAL (MG/L AS CACO3)	01/23/90-12/08/92	18	168.5	170.278	199.	150.	225.036	15.001	151.8	158.	179.	195.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/23/90-12/08/92	18	61.55	61.889	73.	54.1	25.938	5.093	54.91	58.825	64.25	71.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/23/90-12/08/92	18	3.6	3.789	8.5	1.5	1.885	1.373	2.4	3.225	4.	5.17
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/23/90-12/08/92	18	2.5	3.262	8.	1.	3.877	1.969	1.	1.93	5.	5.3
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/23/90-12/08/92	18	1.	1.972	10.	0.5	4.867	2.206	0.5	1.	2.	4.6
00940	CHLORIDE,TOTAL IN WATER MG/L	01/23/90-12/08/92	18 ##	2.5	2.694	6.	2.5	0.681	0.825	2.5	2.5	2.5	2.85
00945	SULFATE, TOTAL (MG/L AS SO4)	01/23/90-12/08/92	18	18.	17.778	25.	12.	12.771	3.574	12.	15.	20.25	22.3
00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-12/08/92	17	0.13	0.125	0.25	0.05	0.003	0.051	0.05	0.09	0.15	0.186
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	10 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	01/23/90-03/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	10 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01007	BARIUM, TOTAL (UG/L AS BA)	01/23/90-03/18/92	12 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	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

Parameter Inventory for Station: PECO0041

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	9 ##	50.	88.889	400.	50.	13611.111	116.667	50.	50.	50.	400.
01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	10 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01027	CADMIUM, TOTAL (UG/L AS CD)	01/23/90-03/18/92	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	10 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/23/90-03/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	7 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	10 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	01/23/90-03/18/92	12 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	01/23/90-03/18/92	12	135.	233.333	800.	50.	65206.061	255.355	50.	57.5	297.5	770.
01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	10 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	10 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01051	LEAD, TOTAL (UG/L AS PB)	01/23/90-03/18/92	12 ##	2.5	3.333	10.	2.5	4.924	2.219	2.5	2.5	2.5	8.5
01055	MANGANESE, TOTAL (UG/L AS MN)	01/23/90-03/18/92	12 ##	25.	27.083	50.	25.	52.083	7.217	25.	25.	25.	42.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	10 ##	25.	27.5	50.	25.	62.5	7.906	25.	25.	25.	47.5
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	10 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	01/23/90-03/18/92	12 ##	50.	41.667	50.	25.	151.515	12.309	25.	25.	50.	50.
01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	10 ##	25.25	25.25	50.	0.5	680.625	26.089	0.5	0.5	50.	50.
01077	SILVER, TOTAL (UG/L AS AG)	01/23/90-03/18/92	12 ##	0.5	21.125	50.	0.5	649.688	25.489	0.5	0.5	50.	50.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	9	200.	200.	200.	200.	0.	0.	200.	200.	200.	200.
01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	7	200.	178.571	200.	50.	3214.286	56.695	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	10 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01092	ZINC, TOTAL (UG/L AS ZN)	01/23/90-03/18/92	12 ##	25.	28.75	70.	25.	168.75	12.99	25.	25.	25.	56.5
01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-03/18/92	12 ##	175.	289.583	900.	25.	112438.447	335.318	32.5	50.	650.	870.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	10 ##	50.	60.	150.	50.	1000.	31.623	50.	50.	50.	140.
01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	9	2900.	2255.556	3600.	300.	1485277.778	1218.72	300.	900.	3000.	3600.
01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	7	600.	814.286	2000.	300.	384761.905	620.292	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	10 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01147	SELENIUM, TOTAL (UG/L AS SE)	01/23/90-03/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/23/90-12/08/92	18	177.	175.556	212.	146.	294.379	17.157	153.2	159.5	188.	197.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	10 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	01/23/90-03/18/92	12 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	9	61.	14046.222	63000.	56.	770294691.694	27754.183	56.	57.5	31531.	63000.
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	9	4.	880.667	4000.	3.	3028741.75	1740.328	3.	3.5	1952.	4000.
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	01/23/90-12/05/91	12	4.55	4.675	10.4	0.9	11.651	3.413	0.9	1.	8.125	9.83
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	01/23/90-12/08/92	15	1.9	5.793	21.	0.09	56.922	7.545	0.096	0.2	11.	20.4

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EPA Water Quality Criteria Analysis for Station: PECO0041

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	6	0	0.00	3	0	0.00	2	0	0.00	1	0	0.00			
00400	PH	Other-Hi Lim.	9.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	18	0	0.00	6	0	0.00	5	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	18	0	0.00	6	0	0.00	5	0	0.00	7	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	16	0	0.00	5	0	0.00	4	0	0.00	7	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	18	0	0.00	6	0	0.00	5	0	0.00	7	0	0.00			
		Drinking Water	250.	18	0	0.00	6	0	0.00	5	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	18	0	0.00	6	0	0.00	5	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: PECO0041

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	17	0	0.00	6	0	0.00	4	0	0.00	7	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	50.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
		Drinking Water	50.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	5.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
		Drinking Water	5.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	15.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
		Drinking Water	15.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
		Drinking Water	100.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	7 &	0	0.00	1	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	100.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	5000.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
		Drinking Water	5000.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	50.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
		Drinking Water	50.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	2.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
		Drinking Water	2.	12	0	0.00	4	0	0.00	3	0	0.00	5	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	12	0	0.00	5	0	0.00	3	0	0.00	4	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	15	0	0.00	6	0	0.00	5	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: PECO0042

NPS Station ID: PECO0042 LAT/LON: 35.757504/-105.671392 Agency: 21NMEX Date Created: 02/23/91
Location: LOW CR BLW WHITE DRAIN FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): UPR214.007010 /UPR214007010/WIL4
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 13060001 Depth of Water: 0 Aquifer:
Major Basin: WESTERN GULF Elevation: 2367 Water Body Id:
Minor Basin: PECOS RIVER ECO Region:
RF1 Index: 13060001 RF1 Mile Point: 0.000 Distance from RF1: 1.30 On/Off RF1:
RF3 Index: 13060001002031.75 RF3 Mile Point: 33.36 Distance from RF3: 0.01 On/Off RF3:
Description:
IS STATION IS A MONITORING SITE FOR POSSIBLE HEAVY METAL CONTAMINATION.

Parameter Inventory for Station: PECO0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/90-12/05/91	11	8.	9.055	18.5	1.	21.083	4.592	1.8	7.	12.	17.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/28/91-02/28/91	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	04/12/90-05/01/92	14	10.	15.	40.	2.5	156.731	12.519	2.5	5.	26.25	35.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/12/90-12/05/91	11	290.	309.909	570.	200.	11585.491	107.636	204.	230.	365.	540.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/12/90-05/01/92	14	411.5	494.571	1648.	324.	113717.187	337.22	325.	363.	450.5	1088.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/07/91-12/05/91	5	8.6	8.48	9.7	5.9	2.412	1.553	**	**	**	**
00400	PH (STANDARD UNITS)	04/12/90-12/05/91	11	7.5	7.445	7.9	6.84	0.134	0.366	6.886	7.1	7.83	7.896
00400	CONVERTED PH (STANDARD UNITS)	04/12/90-12/05/91	11	7.5	7.308	7.9	6.84	0.154	0.393	6.886	7.1	7.83	7.896
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/90-12/05/91	11	0.032	0.049	0.145	0.013	0.002	0.041	0.013	0.015	0.079	0.133
00403	PH, LAB, STANDARD UNITS SU	04/12/90-05/01/92	14	7.25	6.914	7.9	4.6	0.869	0.932	4.85	6.8	7.375	7.75
00403	CONVERTED PH, LAB, STANDARD UNITS	04/12/90-05/01/92	14	7.247	5.616	7.9	4.6	2.685	1.639	4.85	6.8	7.375	7.75
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/90-05/01/92	14	0.057	2.422	25.119	0.013	47.077	6.861	0.019	0.044	0.158	16.531
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/12/90-05/01/92	14	140.5	129.179	165.	1.5	1659.831	40.741	54.75	113.5	153.	163.
00440	BICARBONATE ION (MG/L AS HCO3)	04/12/90-05/01/92	14	171.5	157.607	201.	1.5	2484.084	49.841	66.75	138.25	187.	199.
00445	CARBONATE ION (MG/L AS CO3)	09/06/90-05/01/92	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/12/90-05/01/92	14	26.	45.25	161.	1.5	2320.49	48.171	5.25	13.25	60.75	146.5
00600	NITROGEN, TOTAL (MG/L AS N)	04/12/90-05/01/92	14 ##	0.165	0.193	0.5	0.07	0.019	0.138	0.07	0.07	0.305	0.448
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/12/90-05/01/92	14	0.	0.065	0.325	0.	0.015	0.124	0.	0.	0.085	0.313
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/12/90-05/01/92	14 ##	0.05	0.092	0.24	0.05	0.004	0.06	0.05	0.05	0.135	0.205
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/12/90-05/01/92	14 ##	0.05	0.18	0.75	0.05	0.044	0.209	0.05	0.05	0.268	0.6
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/90-05/01/92	14 ##	0.03	0.049	0.13	0.02	0.001	0.036	0.02	0.02	0.08	0.11
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/12/90-05/01/92	14 ##	0.08	0.126	0.32	0.07	0.008	0.088	0.07	0.07	0.178	0.31
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/90-05/01/92	14	0.015	0.021	0.12	0.005	0.001	0.03	0.005	0.005	0.023	0.075
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/12/90-05/01/92	14	218.5	237.714	549.	111.	9557.451	97.762	148.	203.5	237.5	422.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	04/12/90-05/01/92	14	70.	69.271	88.	33.	163.313	12.779	48.5	65.5	73.25	87.5
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	04/12/90-05/01/92	14	11.	15.629	80.	6.	356.373	18.878	6.	7.925	13.95	49.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	04/12/90-05/01/92	14 ##	4.	4.396	16.	0.5	13.454	3.668	1.25	2.03	5.	10.5
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/12/90-05/01/92	14	2.5	2.286	6.	0.5	2.181	1.477	0.5	1.	3.	4.5
00940	CHLORIDE,TOTAL IN WATER MG/L	04/12/90-05/01/92	14 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
00945	SULFATE, TOTAL (MG/L AS SO4)	04/12/90-05/01/92	14	73.	157.786	1120.	28.	78897.72	280.887	30.	56.5	137.5	651.5
00951	FLUORIDE, TOTAL (MG/L AS F)	04/12/90-05/01/92	14	0.56	0.744	2.5	0.21	0.394	0.628	0.22	0.36	0.895	2.075
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	10 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/90-03/18/92	10 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	10 ##	50.	75.	200.	50.	2361.111	48.591	50.	50.	100.	190.
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/90-03/18/92	10 ##	50.	65.	200.	50.	2250.	47.434	50.	50.	50.	185.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	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

Parameter Inventory for Station: PECO0042

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	10	59.	175.	1100.	5.	108949.556	330.075	5.5	25.	162.5	1007.
01027	CADMIUM, TOTAL (UG/L AS CD)	04/12/90-03/18/92	10	64.	182.5	1200.	5.	130589.167	361.371	6.2	29.75	160.	1096.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	10 ##	2.5	2.85	6.	2.5	1.225	1.107	2.5	2.5	2.5	5.65
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/90-03/18/92	10 ##	2.5	2.95	7.	2.5	2.025	1.423	2.5	2.5	2.5	6.55
01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	9 ##	25.	40.	160.	25.	2025.	45.	25.	25.	25.	160.
01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	7 ##	25.	41.429	140.	25.	1889.286	43.466	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	10	72.5	1085.5	10000.	25.	9816196.944	3133.081	25.	43.75	192.5	9026.
01042	COPPER, TOTAL (UG/L AS CU)	04/12/90-03/18/92	10	225.	1093.2	8500.	25.	6852794.622	2617.784	25.	75.25	622.5	7746.
01045	IRON, TOTAL (UG/L AS FE)	04/12/90-03/18/92	10	1250.	1389.	2900.	890.	386543.333	621.726	891.	900.	1625.	2780.
01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	10 ##	50.	100.	500.	50.	20000.	141.421	50.	50.	62.5	460.
01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	10 ##	2.5	6.15	39.	2.5	133.225	11.542	2.5	2.5	2.5	35.35
01051	LEAD, TOTAL (UG/L AS PB)	04/12/90-03/18/92	10	11.5	18.	52.	2.5	271.5	16.477	2.5	5.875	34.	50.2
01055	MANGANESE, TOTAL (UG/L AS MN)	04/12/90-03/18/92	10	510.	753.	2800.	210.	611556.667	782.021	214.	302.5	797.5	2650.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	10	510.	790.	3200.	220.	796644.444	892.549	221.	327.5	787.5	3000.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	02/28/91-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	10 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	09/06/90-03/18/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	10 ##	25.25	25.25	50.	0.5	680.625	26.089	0.5	0.5	50.	50.
01077	SILVER, TOTAL (UG/L AS AG)	04/12/90-03/18/92	10 ##	25.25	25.25	50.	0.5	680.625	26.089	0.5	0.5	50.	50.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	9	200.	200.	200.	200.	0.	0.	200.	200.	200.	200.
01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	7	200.	200.	200.	200.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	9 ##	50.	105.556	500.	50.	22152.778	148.838	50.	50.	75.	500.
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	10	18850.	51450.	330000.	100.	9813191666.667	99061.555	280.	7075.	43250.	301400.
01092	ZINC, TOTAL (UG/L AS ZN)	04/12/90-03/18/92	10	17500.	51840.	330000.	2100.	9806338222.222	99026.957	2320.	10825.	46750.	302200.
01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	9 ##	50.	83.333	300.	50.	6875.	82.916	50.	50.	75.	300.
01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/12/90-03/18/92	10	1100.	6360.	51000.	50.	248458777.778	15762.575	60.	412.5	2875.	46450.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	10 ##	50.	1555.	15000.	50.	22318027.778	4724.196	50.	50.	75.	13515.
01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	9	3200.	2633.333	4300.	200.	2117500.	1455.163	200.	1150.	3650.	4300.
01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	7	300.	557.143	1600.	50.	428690.476	654.745	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	10 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01147	SELENIUM, TOTAL (UG/L AS SE)	04/12/90-03/18/92	10 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/12/90-05/01/92	14	268.	398.	2020.	192.	221161.231	470.278	201.	217.	334.	1200.
71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	10 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	04/12/90-03/18/92	10 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	9	70.	18608.889	93000.	63.	1376052040.861	37095.175	63.	65.	37038.	93000.
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	9	11.	10118.778	81000.	6.	717436721.194	26785.009	6.	7.5	5007.5	81000.
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	09/06/90-12/05/91	9	13.	14.878	42.	7.1	114.174	10.685	7.1	8.4	16.	42.
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	09/06/90-05/01/92	12	12.	17.508	75.	0.6	376.075	19.393	1.89	8.925	18.225	60.9

** - 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: PECO0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00			
00400	PH	Other-Hi Lim.	9.	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00	5	0	0.00	2	0	0.00	4	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	14	0	0.00	5	0	0.00	3	0	0.00	6	0	0.00			
		Other-Lo Lim.	6.5	14	2	0.14	5	0	0.00	3	0	0.00	6	2	0.33			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	5	0	0.00	3	0	0.00	6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	14	0	0.00	5	0	0.00	3	0	0.00	6	0	0.00			
		Drinking Water	250.	14	0	0.00	5	0	0.00	3	0	0.00	6	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	1	0.07	5	0	0.00	3	0	0.00	6	1	0.17			

& - 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: PECO0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	14	0	0.00	5	0	0.00	3	0	0.00	6	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	50.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	50.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	10	10	1.00	4	4	1.00	3	3	1.00	3	3	1.00			
		Drinking Water	5.	10	10	1.00	4	4	1.00	3	3	1.00	3	3	1.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	10	10	1.00	4	4	1.00	2	2	1.00	4	4	1.00			
		Drinking Water	5.	10	10	1.00	4	4	1.00	2	2	1.00	4	4	1.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	8 &	8	1.00	4	4	1.00	1	1	1.00	3	3	1.00			
		Drinking Water	1300.	10	1	0.10	4	0	0.00	3	0	0.00	3	1	0.33			
01042	COPPER, TOTAL	Fresh Acute	18.	8 &	8	1.00	4	4	1.00	1	1	1.00	3	3	1.00			
		Drinking Water	1300.	10	1	0.10	4	0	0.00	2	0	0.00	4	1	0.25			
01049	LEAD, DISSOLVED	Fresh Acute	82.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	15.	10	1	0.10	4	0	0.00	3	0	0.00	3	1	0.33			
01051	LEAD, TOTAL	Fresh Acute	82.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	15.	10	4	0.40	4	2	0.50	2	0	0.00	4	2	0.50			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	5 &	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	10	9	0.90	4	4	1.00	3	2	0.67	3	3	1.00			
		Drinking Water	5000.	10	8	0.80	4	4	1.00	3	1	0.33	3	3	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	10	10	1.00	4	4	1.00	2	2	1.00	4	4	1.00			
		Drinking Water	5000.	10	8	0.80	4	4	1.00	2	1	0.50	4	3	0.75			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	50.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	50.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	2.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
		Drinking Water	2.	10	0	0.00	4	0	0.00	2	0	0.00	4	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	9	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	12	1	0.08	5	1	0.20	3	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: PECO0043

NPS Station ID: PECO0043
LAT/LON: 35.758059/-105.670837
Agency: 21NMEX
Date Created: 02/23/91
Location: LOW CR BLW BEAVER PONDS
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): UPR214.007005 /UPR214007005/WIL3
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2368
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region:
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 0.60
On/Off RF1:
RF3 Index: 13060001078000.00
RF3 Mile Point: 0.11
Distance from RF3: 0.10
On/Off RF3:
Description:
IS STATION IS A MONITORING SITE FOR POSSIBLE HEAVY METAL CONTAMINATION.

Parameter Inventory for Station: PECO0043

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: PECO0044

NPS Station ID: PECO0044
LAT/LON: 35.759170/-105.669726
Agency: 21NMEX
Date Created: 03/23/91
Location: WHITE FLOW FROM MINE SPOILS
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): UPR214.007007 /UPR214007007/PEC090
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2377
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region: 21M
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 0.50
On/Off RF1:
RF3 Index: 13060001002020.62
RF3 Mile Point: 22.40
Distance from RF3: 0.00
On/Off RF3:
Description:
WHITE FLOW BLW SPOILS AND BLW BEAVER POND 100M BLW ST RD 63

Parameter Inventory for Station: PECO0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/12/90-08/04/91	5	8.	10.22	25.	3.1	75.342	8.68	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	03/18/91-09/02/92	8	45.	55.938	200.	2.5	3671.317	60.591	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/12/90-08/04/91	5	2900.	2578.	4000.	990.	1289920.	1135.746	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/08/90-09/02/92	10	5369.	5908.5	12251.	3353.	7114662.722	2667.333	3360.8	3884.75	6775.5	11864.7
00400	PH (STANDARD UNITS)	04/12/90-09/11/91	8	5.02	4.986	5.85	4.21	0.27	0.52	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/12/90-09/11/91	8	5.013	4.745	5.85	4.21	0.337	0.581	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/12/90-09/11/91	8	9.712	18.002	61.66	1.413	399.269	19.982	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/08/90-09/02/92	10	4.55	4.61	6.2	3.5	0.592	0.769	3.53	4.1	5.	6.11
00403	CONVERTED PH, LAB, STANDARD UNITS	05/08/90-09/02/92	10	4.525	4.166	6.2	3.5	0.811	0.9	3.53	4.1	5.	6.11
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/08/90-09/02/92	10	29.882	68.178	316.228	0.631	9727.576	98.628	1.069	10.695	86.944	300.454
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/08/90-09/02/92	10	0.75	3.45	19.	0.	34.914	5.909	0.	0.	5.25	17.7
00440	BICARBONATE ION (MG/L AS HCO3)	05/08/90-09/02/92	10	1.5	4.3	23.	0.	51.344	7.166	0.	0.	6.5	21.5
00445	CARBONATE ION (MG/L AS CO3)	05/08/90-09/02/92	10	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/08/90-09/02/92	9	518.	1211.222	6236.	122.	3807500.944	1951.282	122.	169.	1399.5	6236.
00600	NITROGEN, TOTAL (MG/L AS N)	04/12/90-05/01/92	11	0.75	0.766	1.71	0.22	0.192	0.438	0.23	0.37	1.05	1.58
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	04/12/90-05/01/92	11	0.16	0.197	0.63	0.	0.039	0.196	0.002	0.02	0.32	0.574
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/12/90-05/01/92	11	0.45	0.44	0.62	0.24	0.013	0.113	0.26	0.37	0.49	0.62
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/12/90-05/01/92	11	0.64	0.637	1.25	0.37	0.066	0.257	0.376	0.42	0.77	1.168
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/12/90-05/01/92	11	0.25	0.2	0.46	0.02	0.027	0.165	0.02	0.02	0.31	0.448
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/12/90-05/01/92	11	0.68	0.575	1.08	0.14	0.102	0.32	0.15	0.22	0.79	1.038
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/12/90-05/01/92	11	0.12	0.118	0.21	0.06	0.002	0.047	0.062	0.07	0.16	0.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/08/90-09/02/92	10	2787.	3102.6	5320.	152.	2963397.156	1721.452	292.8	1785.	4925.	5318.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	05/08/90-09/02/92	10	400.5	513.1	1400.	31.	158107.878	397.628	56.7	327.75	587.5	1363.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	05/08/90-09/02/92	10	370.5	442.5	1050.	18.	87329.389	295.515	36.6	234.75	671.75	1014.2
00930	SODIUM, DISSOLVED (MG/L AS NA)	05/08/90-09/02/92	10	17.5	22.	46.	5.	157.556	12.552	5.7	14.25	32.5	45.1
00935	POTASSIUM, DISSOLVED (MG/L AS K)	05/08/90-09/02/92	10	10.5	12.6	29.	4.	77.822	8.822	4.	4.75	21.25	28.3
00940	CHLORIDE,TOTAL IN WATER MG/L	05/08/90-09/02/92	10	17.5	16.6	34.	2.5	131.767	11.479	2.5	5.875	25.5	33.9
00945	SULFATE, TOTAL (MG/L AS SO4)	05/08/90-09/02/92	10	4700.	4468.25	9300.	2.5	5951091.736	2439.486	272.25	2872.5	5750.	8967.5
00951	FLUORIDE, TOTAL (MG/L AS F)	09/06/90-09/02/92	9	0.44	0.519	1.15	0.14	0.095	0.308	0.14	0.28	0.705	1.15
01000	ARSENIC, DISSOLVED (UG/L AS AS)	09/06/90-03/18/92	7 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	04/12/90-03/18/92	8 ##	2.5	3.813	13.	2.5	13.781	3.712	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	09/06/90-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/12/90-03/18/92	8 ##	50.	68.75	200.	50.	2812.5	53.033	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	03/18/91-03/18/92	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	03/18/91-03/18/92	5 ##	50.	70.	100.	50.	750.	27.386	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	03/18/91-03/18/92	6 ##	75.	125.	400.	50.	18750.	136.931	**	**	**	**

** - 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 time series plot

Parameter Inventory for Station: PECO0044

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01022	BORON, TOTAL (UG/L AS B)	03/18/91-03/18/92	5 ##	50.	60.	100.	50.	500.	22.361	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	09/06/90-03/18/92	7	4400.	4871.286	9999.	1900.	7397338.238	2719.805	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/12/90-03/18/92	8	4400.	5675.	18000.	1900.	26853571.429	5182.043	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	09/06/90-03/18/92	7 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/12/90-03/18/92	8	6.	19.188	80.	2.5	797.353	28.237	**	**	**	**
01035	COBALT, DISSOLVED (UG/L AS CO)	03/18/91-03/18/92	6	640.	681.667	1000.	380.	43376.667	208.271	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	03/18/91-03/18/92	5	630.	858.	2000.	370.	421370.	649.13	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	09/06/90-03/18/92	7	13000.	15600.	40000.	3500.	157636666.667	12555.344	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/12/90-03/18/92	8	16850.	25125.	90000.	7100.	744802142.857	27291.063	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/12/90-03/18/92	8	15500.	19025.	49000.	2200.	251319285.714	15853.053	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	09/06/90-03/18/92	7	3200.	3871.429	5900.	1700.	2752380.952	1659.03	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	09/06/90-03/18/92	7	230.	228.714	620.	23.	41882.905	204.653	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/12/90-03/18/92	8	690.	757.5	1200.	350.	135935.714	368.695	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/12/90-03/18/92	8	23000.	25250.	54000.	15000.	149928571.429	12244.532	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	7	24000.	22271.429	33000.	8900.	65682380.952	8104.467	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	03/18/91-03/18/92	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	03/18/91-03/18/92	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	7	400.	371.429	600.	200.	22380.952	149.603	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/12/90-03/18/92	8	400.	436.25	1200.	200.	106683.929	326.625	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	09/06/90-03/18/92	7 ##	50.	35.857	50.	0.5	583.393	24.154	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	04/12/90-03/18/92	8 ##	50.	32.25	50.	0.5	604.143	24.579	**	**	**	**
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	03/18/91-03/18/92	6	650.	650.	800.	500.	11000.	104.881	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	03/18/91-03/18/92	5	600.	580.	800.	400.	22000.	148.324	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	03/18/91-03/18/92	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01086	VANADIUM, SUSPENDED (UG/L AS V)	03/18/91-03/18/92	6	4300.	4083.333	5900.	1700.	2925666.667	1710.458	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	09/06/90-03/18/92	7	1400000.	1417428.571	2700000.	610000.	502559619047.619	708914.395	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/12/90-03/18/92	8	1365000.	1627500.	4970000.	600000.	**********	1401017.487	**	**	**	**
01100	TIN, DISSOLVED (UG/L AS SN)	03/18/91-03/18/92	6 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	03/18/91-03/18/92	5 ##	50.	80.	200.	50.	4500.	67.082	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	04/12/90-03/18/92	8	95000.	190250.	550000.	43000.	31736500000.	178147.411	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	7	33000.	55471.429	170000.	3400.	3800969047.619	61652.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	03/18/91-03/18/92	6	4800.	4325.	6100.	50.	5051750.	2247.61	**	**	**	**
01142	SILICON, TOTAL (UG/L AS SI)	03/18/91-03/18/92	5 ##	50.	5230.	14000.	50.	50810750.	7128.166	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	09/06/90-03/18/92	7 ##	2.5	3.214	5.	2.5	1.488	1.22	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/12/90-03/18/92	8 ##	2.5	4.938	22.	2.5	47.531	6.894	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	05/08/90-09/02/92	9	8320.	9949.111	26302.	3372.	50768508.111	7125.202	3372.	4973.	12578.	26302.
71890	MERCURY, DISSOLVED (UG/L AS HG)	09/06/90-03/18/92	7 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/12/90-03/18/92	8 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
82036	CALCIUM-DISSOLVED UG/L (AS CA)	03/18/91-03/18/92	6	405.	65326.667	390000.	290.25	299068706.667	159056.81	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	03/18/91-03/18/92	6	410.	63658.333	380000.	200.24	017308536.667	154975.187	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	09/06/90-10/07/91	6	73.25	212.917	1000.	13.	150060.842	387.377	**	**	**	**
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/18/91-09/02/92	7	200.	154.057	225.	2.4	6689.423	81.789	**	**	**	**

** - 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: PECO0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00400	PH	Other-Hi Lim.	9.	8	0	0.00	4	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	8	8	1.00	4	4	1.00				4	4	1.00			
00403	PH, LAB	Other-Hi Lim.	9.	10	0	0.00	6	0	0.00				4	0	0.00			
		Other-Lo Lim.	6.5	10	10	1.00	6	6	1.00				4	4	1.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	5	0	0.00				6	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	10	0	0.00	6	0	0.00				4	0	0.00			
		Drinking Water	250.	10	0	0.00	6	0	0.00				4	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	9	0.90	6	5	0.83				4	4	1.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	9	0	0.00	6	0	0.00				3	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	7	0	0.00	4	0	0.00				3	0	0.00			
		Drinking Water	50.	7	0	0.00	4	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: PECO0044

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	50.	8	0	0.00	4	0	0.00				4	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	7	0	0.00	4	0	0.00				3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00	4	0	0.00				4	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	6	0	0.00	3	0	0.00				3	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	5	0	0.00	3	0	0.00				2	0	0.00			
		Drinking Water	4.	2 &	2	1.00	2	2	1.00									
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	7	7	1.00	4	4	1.00				3	3	1.00			
		Drinking Water	5.	7	7	1.00	4	4	1.00				3	3	1.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	8	8	1.00	4	4	1.00				4	4	1.00			
		Drinking Water	5.	8	8	1.00	4	4	1.00				4	4	1.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	7	0	0.00	4	0	0.00				3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00	4	0	0.00				4	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	7	7	1.00	4	4	1.00				3	3	1.00			
		Drinking Water	1300.	7	7	1.00	4	4	1.00				3	3	1.00			
01042	COPPER, TOTAL	Fresh Acute	18.	8	8	1.00	4	4	1.00				4	4	1.00			
		Drinking Water	1300.	8	8	1.00	4	4	1.00				4	4	1.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	7	5	0.71	4	2	0.50				3	3	1.00			
		Drinking Water	15.	7	7	1.00	4	4	1.00				3	3	1.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	8	1.00	4	4	1.00				4	4	1.00			
		Drinking Water	15.	8	8	1.00	4	4	1.00				4	4	1.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	7	0	0.00	4	0	0.00				3	0	0.00			
		Drinking Water	100.	7	7	1.00	4	4	1.00				3	3	1.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	8	0	0.00	4	0	0.00				4	0	0.00			
		Drinking Water	100.	8	8	1.00	4	4	1.00				4	4	1.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	2 &	0	0.00	1	0	0.00				1	0	0.00			
		Drinking Water	100.	7	0	0.00	4	0	0.00				3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	3 &	1	0.33	1	1	1.00				2	0	0.00			
		Drinking Water	100.	8	0	0.00	4	0	0.00				4	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	7	7	1.00	4	4	1.00				3	3	1.00			
		Drinking Water	5000.	7	7	1.00	4	4	1.00				3	3	1.00			
01092	ZINC, TOTAL	Fresh Acute	120.	8	8	1.00	4	4	1.00				4	4	1.00			
		Drinking Water	5000.	8	8	1.00	4	4	1.00				4	4	1.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	7	0	0.00	4	0	0.00				3	0	0.00			
		Drinking Water	50.	7	0	0.00	4	0	0.00				3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	8	1	0.13	4	1	0.25				4	0	0.00			
		Drinking Water	50.	8	0	0.00	4	0	0.00				4	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	7	0	0.00	4	0	0.00				3	0	0.00			
		Drinking Water	2.	7	0	0.00	4	0	0.00				3	0	0.00			
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			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	5 &	3	0.60	4	2	0.50				1	1	1.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	7	6	0.86	4	4	1.00				3	2	0.67			

& - 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: PECO0045

NPS Station ID: PECO0045
LAT/LON: 35.759616/-105.668392
Agency: 21NMEX
Date Created: 01/09/82
Location: WILLOW CRK 70M UPSTRM HWY 63 BRDG
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): PECOSCON07
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 3
Aquifer:
Major Basin: WESTERN GULF
Elevation: 0
Water Body Id:
Minor Basin: UPPER PECOS RIVER
ECO Region:
RF1 Index: 13060001020
RF1 Mile Point: 33.050
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 13060001005300.00
RF3 Mile Point: 0.07
Distance from RF3: 0.04
On/Off RF3:
Description:
ESTABLISHED OCT,1980 AS PART OF COOPERATIVE STUDY WITH SANTA FE NATIONAL FOREST STAFF TO ASSESS AMBIENT WATER QUALITY PRIOR TO DEVELOPMENT AND MINING OF HEAVY METALS (SULFIDE DEPOSITS) IN NATIONAL FOREST. SEDIMENT AND WATER SAMPLES ARE PLANNED.

Parameter Inventory for Station: PECO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	31	5.	5.939	14.8	0.5	17.538	4.188	0.84	2.	10.	11.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-02/28/91	2	7.35	7.35	10.2	4.5	16.245	4.031	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/09/87-08/02/87	3	0.2	3.183	9.3	0.05	28.066	5.298	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-03/10/89	8	7.5	49.75	323.	0.	12464.786	111.646	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/02/92	17	5.	3.971	15.	0.	15.671	3.959	0.	0.	5.	11.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/05/86-12/05/91	20	182.5	183.5	230.	120.	795.421	28.203	145.5	170.	208.25	219.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-09/02/92	38	289.	277.263	334.	5.	3161.28	56.225	232.7	262.	311.	324.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/10/89-12/05/91	7	8.9	8.629	9.6	6.2	1.266	1.125	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/24/81-11/24/81	7	8.5	8.929	10.7	7.9	1.059	1.029	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	02/24/81-11/24/81	7	99.	98.857	104.	93.	13.143	3.625	**	**	**	**
00400	PH (STANDARD UNITS)	12/04/80-12/05/91	32	8.3	8.282	8.7	7.84	0.042	0.205	8.03	8.1	8.442	8.528
00400	CONVERTED PH (STANDARD UNITS)	12/04/80-12/05/91	32	8.3	8.235	8.7	7.84	0.044	0.211	8.03	8.1	8.442	8.528
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/80-12/05/91	32	0.005	0.006	0.014	0.002	0.	0.003	0.003	0.004	0.008	0.009
00403	PH, LAB, STANDARD UNITS SU	02/09/87-09/02/92	25	8.	8.06	8.5	7.3	0.065	0.255	7.8	7.9	8.2	8.44
00403	CONVERTED PH, LAB, STANDARD UNITS	02/09/87-09/02/92	25	8.	7.976	8.5	7.3	0.072	0.269	7.8	7.9	8.2	8.44
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/09/87-09/02/92	25	0.01	0.011	0.05	0.003	0.	0.009	0.004	0.006	0.013	0.016
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	28	147.	146.536	164.	128.	61.591	7.848	132.	141.75	151.75	156.1
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/02/92	37	180.	178.865	197.	154.	90.953	9.537	163.4	176.	185.	190.4
00445	CARBONATE ION (MG/L AS CO3)	02/09/87-09/02/92	21	0.	0.286	4.	0.	0.914	0.956	0.	0.	0.	1.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/02/92	37	4.	12.892	83.	0.5	396.696	19.917	1.4	1.5	13.	45.6
00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-05/01/92	28 ##	0.17	0.223	0.67	0.07	0.029	0.172	0.07	0.093	0.316	0.554
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-05/01/92	24	0.003	0.123	0.99	0.	0.056	0.238	0.	0.	0.12	0.485
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-05/01/92	37 ##	0.05	0.083	0.44	0.004	0.006	0.076	0.027	0.05	0.11	0.164
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-03/10/89	8 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/20/86-03/10/89	10 ##	0.02	0.067	0.35	0.02	0.011	0.103	0.02	0.02	0.07	0.325
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-05/01/92	37	0.15	0.267	1.09	0.01	0.068	0.261	0.05	0.05	0.42	0.634
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-05/01/92	29	0.02	0.049	0.18	0.005	0.002	0.042	0.01	0.02	0.09	0.11
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-05/01/92	28 ##	0.095	0.109	0.28	0.025	0.003	0.056	0.07	0.076	0.109	0.206
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-05/01/92	37	0.01	0.039	0.29	0.001	0.004	0.062	0.005	0.005	0.05	0.102
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-09/02/92	25	171.	183.16	260.	142.	1204.223	34.702	148.8	160.5	198.	253.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/02/92	37	63.	63.316	80.	50.	34.004	5.831	55.6	59.95	66.9	70.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/02/92	37	3.6	5.627	24.4	1.	32.076	5.664	1.9	3.05	6.	14.04
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/02/92	37	2.3	3.095	13.8	0.	9.747	3.122	0.	1.	5.	6.64

** - 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: PECO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/02/92	37	1.	1.357	9.	0.	2.319	1.523	0.25	0.5	2.	2.6
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/02/92	38 ##	2.5	2.566	6.	0.5	1.002	1.001	1.9	2.5	2.5	3.2
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/02/92	34	20.5	19.794	40.	12.	25.684	5.068	14.	15.75	23.	24.5
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/05/86-10/31/86	4	19.75	19.125	22.	15.	12.063	3.473	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-09/02/92	16	0.135	0.146	0.24	0.11	0.001	0.036	0.11	0.12	0.165	0.212
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/04/80-03/18/92	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-03/18/92	32 ##	2.5	2.703	9.	2.5	1.32	1.149	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/04/80-03/18/92	11 ##	50.	54.545	100.	50.	227.273	15.076	50.	50.	50.	90.
01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-03/18/92	32 ##	50.	73.984	400.	0.5	6111.201	78.174	50.	50.	50.	166.3
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/04/80-03/18/92	10 ##	50.	45.5	50.	5.	202.5	14.23	9.5	50.	50.	50.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-03/18/92	15 ##	5.	25.4	50.	0.5	569.507	23.864	0.5	5.	50.	50.
01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	9 ##	50.	77.778	300.	50.	6944.444	83.333	50.	50.	50.	300.
01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/04/80-03/18/92	11 ##	0.5	0.773	3.	0.5	0.568	0.754	0.5	0.5	0.5	2.6
01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-03/18/92	32 ##	0.5	1.453	18.	0.5	12.248	3.5	0.5	0.5	0.5	2.95
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/04/80-03/18/92	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-03/18/92	32 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/92	7 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/80-03/18/92	11 ##	25.	23.818	25.	12.	15.364	3.92	14.6	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-03/18/92	31 ##	25.	27.177	70.	2.5	188.642	13.735	9.	25.	25.	50.
01045	IRON, TOTAL (UG/L AS FE)	01/09/81-03/18/92	30	205.	358.3	1500.	10.	160165.321	400.207	50.	100.	420.	1080.
01046	IRON, DISSOLVED (UG/L AS FE)	12/04/80-03/18/92	11 ##	50.	61.364	125.	50.	670.455	25.893	50.	50.	50.	120.
01049	LEAD, DISSOLVED (UG/L AS PB)	12/04/80-03/18/92	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-03/18/92	32 ##	5.	6.688	30.	2.5	37.093	6.09	2.5	2.5	9.5	15.9
01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-03/18/92	30 ##	25.	34.033	89.	25.	315.068	17.75	25.	25.	31.25	66.3
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/04/80-03/18/92	11 ##	25.	31.818	50.	25.	136.364	11.677	25.	25.	50.	50.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/04/80-03/18/92	10 ##	50.	45.25	50.	2.5	225.625	15.021	7.25	50.	50.	50.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-03/18/92	24 ##	5.	17.5	50.	2.5	454.891	21.328	2.5	3.125	50.	50.
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	10 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	07/20/86-03/18/92	23 ##	25.	34.783	50.	25.	155.632	12.475	25.	25.	50.	50.
01075	SILVER, DISSOLVED (UG/L AS AG)	12/04/80-03/18/92	11 ##	0.5	23.	50.	0.5	668.25	25.851	0.5	0.5	50.	50.
01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-03/18/92	30 ##	0.5	8.9	50.	0.5	350.162	18.713	0.5	0.5	0.5	50.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	9	200.	183.333	200.	50.	2500.	50.	50.	200.	200.	200.
01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/92	7	200.	200.	200.	200.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	9 ##	50.	55.556	100.	50.	277.778	16.667	50.	50.	50.	100.
01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-06/26/81	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/80-03/18/92	11 ##	25.	133.545	760.	25.	50732.273	225.238	25.	25.	125.	670.
01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-03/18/92	31 ##	25.	169.645	2800.	15.	267029.237	516.749	25.	25.	54.	212.
01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/92	7 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-03/18/92	12	175.	280.833	1200.	50.	117135.606	342.251	50.	55.	300.	1050.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	10 ##	50.	75.	200.	50.	2916.667	54.006	50.	50.	75.	195.
01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	9	2900.	2233.333	3700.	400.	1707500.	1306.713	400.	600.	3100.	3700.
01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/92	7	1000.	1428.571	5400.	300.	3189047.619	1785.79	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/04/80-03/18/92	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-03/18/92	32 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/02/92	37	190.	187.514	219.	142.	360.923	18.998	160.	174.	202.5	212.8
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/04/80-03/18/92	11 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-03/18/92	32 ##	0.25	0.243	0.25	0.025	0.002	0.04	0.25	0.25	0.25	0.25
82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	9	62.	7136.222	63000.	57.	438916868.194	20950.343	57.	60.	431.5	63000.
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-03/18/92	9	4.	491.778	4300.	3.	2040436.194	1428.438	3.	3.5	52.	4300.
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/05/86-12/05/91	20	1.95	4.83	25.	0.5	32.934	5.739	1.	1.2	7.275	10.33
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/12/88-09/02/92	17	5.2	8.571	26.	0.1	75.803	8.707	0.18	1.2	18.15	23.6

** - 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

EPA Water Quality Criteria Analysis for Station: PECO0045

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00	2	0	0.00
00400	PH	Other-Hi Lim.	9.	32	0	0.00	11	0	0.00	11	0	0.00	7	0	0.00	3	0	0.00
		Other-Lo Lim.	6.5	32	0	0.00	11	0	0.00	11	0	0.00	7	0	0.00	3	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	25	0	0.00	9	0	0.00	7	0	0.00	8	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	25	0	0.00	9	0	0.00	7	0	0.00	8	0	0.00	1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	8	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	10	0	0.00	5	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	29	0	0.00	9	0	0.00	9	0	0.00	9	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	38	0	0.00	13	0	0.00	12	0	0.00	10	0	0.00	3	0	0.00
		Drinking Water	250.	38	0	0.00	13	0	0.00	12	0	0.00	10	0	0.00	3	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	34	0	0.00	11	0	0.00	11	0	0.00	9	0	0.00	3	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	16	0	0.00	6	0	0.00	3	0	0.00	7	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	32	0	0.00	11	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
		Drinking Water	50.	32	0	0.00	11	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	32	0	0.00	11	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	15	0	0.00	5	0	0.00	5	0	0.00	3	0	0.00	2	0	0.00
		Drinking Water	4.	2 &	0	0.00	1	0	0.00	1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	5.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	32	3	0.09	11	2	0.18	10	0	0.00	8	1	0.13	3	0	0.00
		Drinking Water	5.	32	2	0.06	11	2	0.18	10	0	0.00	8	0	0.00	3	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	32	0	0.00	11	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1 &	0	0.00				1	0	0.00						
		Drinking Water	1300.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	5 &	2	0.40	2	2	1.00	2	0	0.00				1	0	0.00
		Drinking Water	1300.	31	0	0.00	11	0	0.00	10	0	0.00	7	0	0.00	3	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	15.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	32	0	0.00	11	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
		Drinking Water	15.	32	3	0.09	11	1	0.09	10	0	0.00	8	2	0.25	3	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	23	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00	1	0	0.00
		Drinking Water	100.	23	0	0.00	9	0	0.00	7	0	0.00	6	0	0.00	1	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	6 &	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	100.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	24 &	0	0.00	8	0	0.00	6	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	100.	30	0	0.00	11	0	0.00	8	0	0.00	8	0	0.00	3	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	10 &	2	0.20	4	0	0.00	3	1	0.33	3	1	0.33			
		Drinking Water	5000.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	30 &	5	0.17	11	2	0.18	9	0	0.00	7	3	0.43	3	0	0.00
		Drinking Water	5000.	31	0	0.00	11	0	0.00	10	0	0.00	7	0	0.00	3	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	32	0	0.00	11	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
		Drinking Water	50.	32	0	0.00	11	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
28011	URANIUM, NATURAL, TOTAL	Drinking Water	20.	2	0	0.00				1	0	0.00				1	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	2.	11	0	0.00	4	0	0.00	4	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: PECO0045

Parameter				Total	Exceed	Prop.	7/15-10/14			10/15-3/14			3/15-5/19			5/20-7/14		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
71900	MERCURY, TOTAL	Fresh Acute	2.4	32	0	0.00	11	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
		Drinking Water	2.	32	0	0.00	11	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	20	0	0.00	8	0	0.00	6	0	0.00	6	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	17	0	0.00	7	0	0.00	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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station PECO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	11	9.8	9.255	13.	5.2	5.509	2.347	5.36	7.9	11.	12.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-09/02/92	13	293.	265.077	334.	5.	7478.91	86.481	81.8	252.	308.5	333.6
00400	PH (STANDARD UNITS)	12/04/80-12/05/91	11	8.3	8.331	8.7	7.84	0.058	0.24	7.9	8.2	8.5	8.682
00400	CONVERTED PH (STANDARD UNITS)	12/04/80-12/05/91	11	8.3	8.267	8.7	7.84	0.062	0.249	7.9	8.2	8.5	8.682
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/80-12/05/91	11	0.005	0.005	0.014	0.002	0.	0.003	0.002	0.003	0.006	0.013
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	11	147.	146.545	164.	128.	71.073	8.43	130.6	145.	149.	161.4
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/02/92	13	179.	179.385	197.	156.	93.59	9.674	160.8	177.5	185.	193.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/02/92	13	8.	15.692	52.	0.5	299.064	17.293	0.9	1.5	28.	48.8
00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-05/01/92	10 ##	0.203	0.265	0.67	0.07	0.042	0.206	0.072	0.113	0.364	0.662
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-05/01/92	12	0.05	0.079	0.18	0.004	0.004	0.063	0.004	0.023	0.145	0.174
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-05/01/92	12	0.24	0.328	1.09	0.05	0.092	0.304	0.05	0.105	0.503	0.952
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-05/01/92	9 ##	0.02	0.029	0.09	0.005	0.001	0.026	0.005	0.015	0.04	0.09
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-05/01/92	10 ##	0.093	0.094	0.17	0.025	0.001	0.036	0.03	0.085	0.103	0.164
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-05/01/92	12	0.02	0.035	0.11	0.005	0.001	0.037	0.005	0.005	0.06	0.104
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/02/92	13	62.4	62.292	70.	50.	23.344	4.832	53.72	59.95	65.4	68.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/02/92	13	4.	5.931	22.8	1.	32.654	5.714	1.76	3.3	6.	18.56
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/02/92	13	3.	4.109	11.5	0.	10.569	3.251	0.4	1.96	5.	10.58
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/02/92	13	1.	1.467	3.	0.15	0.979	0.99	0.246	0.64	2.25	3.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/02/92	13 ##	2.5	2.115	2.5	0.5	0.548	0.74	0.5	2.	2.5	2.5
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/02/92	11	15.	18.182	40.	12.	60.364	7.769	12.4	14.	19.	36.2
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/02/92	13	192.	188.154	206.	160.	214.974	14.662	164.8	176.	202.	206.

** - 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: 10/15 to 3/14 - Station PECO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	11	1.5	1.836	4.2	0.5	1.463	1.209	0.5	0.8	3.	3.96
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-09/02/92	12	279.5	281.333	324.	235.	1247.879	35.325	237.1	245.	316.75	322.5
00400	PH (STANDARD UNITS)	12/04/80-12/05/91	11	8.2	8.252	8.5	8.	0.033	0.182	8.02	8.1	8.42	8.49
00400	CONVERTED PH (STANDARD UNITS)	12/04/80-12/05/91	11	8.2	8.218	8.5	8.	0.034	0.185	8.02	8.1	8.42	8.49
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/80-12/05/91	11	0.006	0.006	0.01	0.003	0.	0.002	0.003	0.004	0.008	0.01
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	8	152.	151.375	157.	144.	22.268	4.719	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/02/92	12	183.5	184.	194.	176.	34.364	5.862	176.3	178.5	189.	193.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/02/92	11 ##	1.5	3.818	13.	0.5	14.314	3.783	0.7	1.5	7.	11.8
00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-05/01/92	8 ##	0.103	0.139	0.325	0.07	0.007	0.084	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-05/01/92	12 ##	0.05	0.07	0.17	0.03	0.002	0.046	0.036	0.05	0.07	0.168
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-05/01/92	12 ##	0.095	0.164	0.61	0.05	0.029	0.171	0.05	0.05	0.235	0.532
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-05/01/92	9	0.06	0.061	0.11	0.02	0.001	0.037	0.02	0.02	0.095	0.11
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-05/01/92	8 ##	0.1	0.119	0.28	0.07	0.004	0.067	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-05/01/92	12	0.01	0.015	0.06	0.005	0.	0.016	0.005	0.005	0.022	0.05
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/02/92	12	66.1	66.683	80.	57.	43.378	6.586	57.3	63.	71.4	78.2
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/02/92	12	3.85	5.758	21.4	1.3	31.357	5.6	1.36	2.8	6.975	18.25
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/02/92	12	2.15	2.967	13.8	0.	13.65	3.695	0.	1.	3.225	11.16
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/02/92	12	0.78	0.903	2.34	0.25	0.418	0.646	0.292	0.418	1.	2.238
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/02/92	12 ##	2.5	2.75	5.	1.	1.341	1.158	1.3	2.125	2.875	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/02/92	11	21.	20.818	25.	16.	6.164	2.483	16.4	19.	23.	24.6
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/02/92	11	190.	185.273	212.	142.	340.018	18.44	148.	176.	200.	209.8

** - 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 #3: 3/15 to 5/19 - Station PECO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	6	4.5	4.383	7.	1.8	3.042	1.744	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-09/02/92	10	287.5	284.8	330.	212.	1121.511	33.489	217.1	263.	306.75	329.1
00400	PH (STANDARD UNITS)	12/04/80-12/05/91	7	8.2	8.246	8.54	7.9	0.046	0.213	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/04/80-12/05/91	7	8.2	8.2	8.54	7.9	0.048	0.219	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/80-12/05/91	7	0.006	0.006	0.013	0.003	0.	0.003	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	8	142.5	143.5	154.	132.	46.286	6.803	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/02/92	9	172.	173.889	188.	161.	76.361	8.738	161.	167.	181.5	188.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/02/92	10	7.	20.9	83.	2.	955.878	30.917	2.1	3.	28.5	82.2
00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-05/01/92	9	0.2	0.241	0.55	0.07	0.035	0.186	0.07	0.073	0.423	0.55
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-05/01/92	10 ##	0.05	0.062	0.13	0.041	0.001	0.029	0.042	0.05	0.063	0.127
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-05/01/92	10	0.11	0.256	0.65	0.05	0.053	0.231	0.05	0.088	0.48	0.642
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-05/01/92	9	0.05	0.064	0.18	0.02	0.003	0.055	0.02	0.02	0.1	0.18
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-05/01/92	9 ##	0.09	0.102	0.2	0.07	0.002	0.043	0.07	0.07	0.123	0.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-05/01/92	10	0.02	0.051	0.23	0.001	0.005	0.072	0.001	0.005	0.085	0.217
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/02/92	9	60.4	59.967	68.	54.	25.055	5.005	54.	55.	64.15	68.
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/02/92	9	3.5	3.511	6.	2.	1.234	1.111	2.	2.8	3.8	6.
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/02/92	9	2.	2.722	6.	0.	4.444	2.108	0.	1.	5.	6.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/02/92	9	1.	1.972	9.	0.	7.538	2.746	0.	0.375	2.	9.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/02/92	10 ##	2.5	2.85	6.	2.	1.281	1.132	2.05	2.5	2.625	5.7
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/02/92	9	21.	20.333	25.	15.	12.	3.464	15.	17.	23.5	25.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/02/92	10	190.	188.4	219.	146.	685.378	26.18	147.4	164.5	216.5	218.9

** - 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 box-and-whisker plot

Seasonal Analysis for Season #4: 5/20 to 7/14 - Station PECO0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/04/80-12/05/91	3	11.	11.933	14.8	10.	6.413	2.532	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/04/80-09/02/92	3	289.	288.667	301.	276.	156.333	12.503	**	**	**	**
00400	PH (STANDARD UNITS)	12/04/80-12/05/91	3	8.3	8.3	8.5	8.1	0.04	0.2	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/04/80-12/05/91	3	8.3	8.27	8.5	8.1	0.041	0.203	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/04/80-12/05/91	3	0.005	0.005	0.008	0.003	0.	0.002	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-09/02/92	1	132.	132.	132.	132.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/02/92	3	179.	171.	180.	154.	217.	14.731	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/02/92	3	2.	7.333	19.	1.	102.333	10.116	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-05/01/92	1 ##	0.325	0.325	0.325	0.325	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/04/80-05/01/92	3	0.12	0.217	0.44	0.09	0.038	0.194	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/04/80-05/01/92	3	0.57	0.467	0.82	0.01	0.172	0.415	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/04/80-05/01/92	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-05/01/92	1 ##	0.26	0.26	0.26	0.26	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/04/80-05/01/92	3	0.02	0.105	0.29	0.005	0.026	0.16	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/02/92	3	64.	64.333	67.	62.	6.333	2.517	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/02/92	3	3.3	10.133	24.4	2.7	152.743	12.359	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/02/92	3	0.	0.333	1.	0.	0.333	0.577	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/02/92	3	0.78	0.853	1.	0.78	0.016	0.127	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/02/92	3	3.	2.833	3.	2.5	0.083	0.289	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/02/92	3	23.	20.333	23.	15.	21.333	4.619	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/02/92	3	197.	190.	205.	168.	379.	19.468	**	**	**	**

** - 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: PECO0046

NPS Station ID: PECO0046
LAT/LON: 35.759726/-105.668893
Agency: 21NMEX
Date Created: 02/26/94
Location: WILLOW CR JUST ABV SR 63 AT MINE
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO
STORET Station ID(s): UPR214.007013 /UPR214007013/WIL2
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 2384
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region:
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 0.00
On/Off RF1:
RF3 Index: 13020201001129.38
RF3 Mile Point: 29.76
Distance from RF3: 0.45
On/Off RF3:
Description:
THIS IS A MONITORING STATION FOR POSSIBLE METALS CONTAMINATION.

Parameter Inventory for Station: PECO0046

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: PECO0047

NPS Station ID: PECO0047 LAT/LON: 35.761199/-105.671143 Agency: 21NMEX Date Created: 01/09/82
Location: PECOS RIVER 400M ABOVE CONFLUENCE W WILLOW CK FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): PECOSCON08
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 13060001 Depth of Water: 3 Aquifer:
Major Basin: WESTERN GULF Elevation: 0 Water Body Id:
Minor Basin: UPPER PECOS RIVER ECO Region:
RF1 Index: 13060001020 RF1 Mile Point: 33.260 Distance from RF1: 0.00 On/Off RF1: ON
RF3 Index: 13060001006600.00 RF3 Mile Point: 0.09 Distance from RF3: 0.02 On/Off RF3:
Description:
ESTABLISHED OCT,1980 AS PART OF COOPERATIVE STUDY WITH SANTA FE NATIONAL FOREST STAFF TO ASSESS AMBIENT WATER QUALITY PRIOR TO DEVELOPMENT AND MINING OF HEAVY METALS (SULFIDE DEPOSITS) IN NATIONAL FOREST. SEDIMENT AND WATER SAMPLES ARE PLANNED. BENTHIC ORGANISMS ARE COLLECTED AT THIS STATION. FOR FURTHER INFORMATION CONTACT DR. GERALD JACOBI,WATER POLLU-

Parameter Inventory for Station: PECO0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/80-12/05/91	27	4.5	5.637	13.8	0.	15.875	3.984	1.	1.8	8.9	11.06
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/23/90-08/04/91	3	12.2	10.233	14.	4.5	25.463	5.046	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	10/12/87-10/12/87	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	10/12/87-03/10/89	5	20.	20.	40.	5.	237.5	15.411	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	01/23/90-09/18/92	18	5.	11.944	40.	0.	216.585	14.717	0.	2.5	18.75	40.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/28/88-12/05/91	16	91.	94.875	131.	70.	424.117	20.594	71.4	78.	111.5	130.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/30/80-09/18/92	33	149.	155.667	246.	105.	1289.792	35.914	110.	118.	186.	193.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/10/89-12/05/91	7	9.4	8.857	10.	6.6	1.346	1.16	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/30/80-11/24/81	8	8.9	9.087	10.6	8.	0.878	0.937	**	**	**	**
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	10/30/80-11/24/81	8	100.5	100.25	105.	94.	14.214	3.77	**	**	**	**
00400	PH (STANDARD UNITS)	10/30/80-12/05/91	27	8.	7.97	8.5	7.6	0.057	0.24	7.68	7.8	8.18	8.314
00400	CONVERTED PH (STANDARD UNITS)	10/30/80-12/05/91	27	8.	7.913	8.5	7.6	0.061	0.247	7.68	7.8	8.18	8.314
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-12/05/91	27	0.01	0.012	0.025	0.003	0.	0.006	0.005	0.007	0.016	0.021
00403	PH, LAB, STANDARD UNITS SU	10/12/87-09/18/92	23	7.8	7.765	8.3	7.	0.132	0.364	7.24	7.5	8.1	8.26
00403	CONVERTED PH, LAB, STANDARD UNITS	10/12/87-09/18/92	23	7.8	7.613	8.3	7.	0.156	0.396	7.24	7.5	8.1	8.26
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/12/87-09/18/92	23	0.016	0.024	0.1	0.005	0.001	0.023	0.006	0.008	0.032	0.058
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/12/87-09/18/92	23	76.	68.609	91.	46.	228.794	15.126	48.	50.	80.	87.4
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/18/92	32	88.	82.688	111.	53.	300.222	17.327	58.	63.25	96.	99.4
00445	CARBONATE ION (MG/L AS CO3)	10/12/87-09/18/92	21	0.	0.071	1.5	0.	0.107	0.327	0.	0.	0.	0.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/18/92	31	3.	5.194	39.	0.	66.628	8.163	0.5	1.	5.	14.4
00600	NITROGEN, TOTAL (MG/L AS N)	10/12/87-05/01/92	20 ##	0.228	0.269	0.82	0.07	0.036	0.191	0.072	0.121	0.328	0.574
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/12/87-05/01/92	20	0.065	0.138	0.68	0.	0.037	0.192	0.	0.	0.215	0.501
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/30/80-05/01/92	31	0.05	0.091	0.52	0.005	0.009	0.097	0.02	0.05	0.11	0.194
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/12/87-03/10/89	5 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/12/87-03/10/89	5	0.04	0.048	0.09	0.02	0.001	0.031	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/30/80-05/01/92	31	0.19	0.293	1.12	0.05	0.066	0.257	0.05	0.11	0.46	0.656
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/30/80-05/01/92	25	0.04	0.044	0.13	0.005	0.001	0.035	0.008	0.02	0.07	0.102
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	10/12/87-05/01/92	19 ##	0.105	0.121	0.28	0.07	0.003	0.055	0.07	0.07	0.17	0.18
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/30/80-05/01/92	31	0.011	0.036	0.26	0.001	0.003	0.053	0.002	0.005	0.06	0.08
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/12/87-09/18/92	23	97.	98.609	160.	56.	882.249	29.703	59.2	70.	119.	145.4
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/18/92	32	30.8	29.916	53.	19.	56.129	7.492	20.21	23.475	33.9	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: PECO0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/18/92	32	3.	4.456	22.	0.1	23.26	4.823	1.36	2.1	4.	11.15
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/18/92	32	2.	2.436	11.5	0.	5.982	2.446	0.	0.163	4.375	5.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/18/92	32	0.985	1.082	5.	0.	1.323	1.15	0.	0.418	1.17	2.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/18/92	31 ##	2.5	2.369	6.	0.05	0.934	0.967	1.	2.5	2.5	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/18/92	32	14.	13.172	27.	2.5	19.655	4.433	7.3	10.	16.	17.
00951	FLUORIDE, TOTAL (MG/L AS F)	03/18/90-09/18/92	17	0.16	0.148	0.22	0.1	0.001	0.038	0.1	0.11	0.16	0.22
01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/30/80-03/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01002	ARSENIC, TOTAL (UG/L AS AS)	01/09/81-05/01/92	26 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/30/80-03/18/92	12 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01007	BARIUM, TOTAL (UG/L AS BA)	01/09/81-05/01/92	26 ##	50.	60.385	270.	50.	1923.846	43.862	50.	50.	50.	65.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	12/04/80-03/18/92	10 ##	50.	45.5	50.	5.	202.5	14.23	9.5	50.	50.	50.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	01/09/81-05/01/92	16 ##	27.5	26.938	50.	0.5	569.363	23.861	0.5	5.	50.	50.
01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01022	BORON, TOTAL (UG/L AS B)	02/28/91-05/01/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/30/80-03/18/92	12 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01027	CADMIUM, TOTAL (UG/L AS CD)	01/09/81-05/01/92	26 ##	0.5	0.538	1.	0.5	0.018	0.136	0.5	0.5	0.5	0.65
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/30/80-03/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/09/81-05/01/92	26 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-03/18/92	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-05/01/92	8 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	12/04/80-03/18/92	11 ##	25.	23.182	25.	5.	36.364	6.03	9.	25.	25.	25.
01042	COPPER, TOTAL (UG/L AS CU)	01/09/81-05/01/92	26 ##	25.	23.846	50.	5.	112.615	10.612	5.	25.	25.	32.5
01045	IRON, TOTAL (UG/L AS FE)	01/09/81-05/01/92	26	125.	238.385	800.	25.	58087.446	241.013	25.	50.	467.5	612.
01046	IRON, DISSOLVED (UG/L AS FE)	12/04/80-03/18/92	11 ##	100.	115.909	300.	50.	7034.091	83.869	50.	50.	200.	280.
01049	LEAD, DISSOLVED (UG/L AS PB)	10/30/80-03/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01051	LEAD, TOTAL (UG/L AS PB)	01/09/81-05/01/92	26 ##	2.5	3.058	7.	2.5	1.487	1.219	2.5	2.5	2.5	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	01/09/81-05/01/92	26 ##	25.	26.923	50.	25.	46.154	6.794	25.	25.	25.	32.5
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/06/90-03/18/92	10 ##	25.	27.5	50.	25.	62.5	7.906	25.	25.	25.	47.5
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	12/04/80-03/18/92	10 ##	50.	45.25	50.	2.5	225.625	15.021	7.25	50.	50.	50.
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/09/81-05/01/92	19 ##	5.	23.158	50.	2.5	554.057	23.538	2.5	2.5	50.	50.
01065	NICKEL, DISSOLVED (UG/L AS NI)	09/06/90-03/18/92	10 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	10/12/87-05/01/92	18 ##	37.5	37.5	50.	25.	165.441	12.862	25.	25.	50.	50.
01075	SILVER, DISSOLVED (UG/L AS AG)	10/30/80-03/18/92	12 ##	25.25	25.25	50.	0.5	668.25	25.851	0.5	0.5	50.	50.
01077	SILVER, TOTAL (UG/L AS AG)	01/09/81-05/01/92	25 ##	0.5	12.38	50.	0.5	465.548	21.577	0.5	0.5	25.25	50.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-03/18/92	9	200.	138.889	200.	50.	5486.111	74.068	50.	50.	200.	200.
01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-05/01/92	8	150.	131.25	200.	50.	5669.643	75.297	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-03/18/92	9	100.	122.222	300.	50.	8194.444	90.523	50.	50.	200.	300.
01087	VANADIUM, TOTAL (UG/L AS V)	01/09/81-11/24/81	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/04/80-03/18/92	11 ##	25.	34.091	125.	25.	909.091	30.151	25.	25.	25.	105.
01092	ZINC, TOTAL (UG/L AS ZN)	01/09/81-05/01/92	26 ##	25.	34.231	125.	15.	465.385	21.573	25.	25.	50.	50.
01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-03/18/92	9 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01102	TIN, TOTAL (UG/L AS SN)	02/28/91-05/01/92	8 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	01/23/90-05/01/92	13	400.	390.385	1200.	25.	133493.59	365.368	35.	50.	650.	1000.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/06/90-03/18/92	10 ##	175.	175.	400.	50.	18472.222	135.913	50.	50.	250.	400.
01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-03/18/92	9	2300.	2055.556	4000.	200.	2452777.778	1566.135	200.	300.	3450.	4000.
01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-05/01/92	8	400.	712.5	2400.	200.	558392.857	747.257	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/30/80-03/18/92	12 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01147	SELENIUM, TOTAL (UG/L AS SE)	01/09/81-05/01/92	25 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
28011	URANIUM,NATURAL,TOTAL UG/L AS U	01/09/81-06/26/81	2 ##	7.25	7.25	12.	2.5	45.125	6.718	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/18/92	31	101.	100.613	132.	66.	345.912	18.599	71.2	87.	116.	129.2
71890	MERCURY, DISSOLVED (UG/L AS HG)	10/30/80-03/18/92	12 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
71900	MERCURY, TOTAL (UG/L AS HG)	01/09/81-05/01/92	26 ##	0.25	0.26	0.5	0.25	0.002	0.049	0.25	0.25	0.25	0.25
82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-03/18/92	9	32.	7910.667	36000.	20.	244724734.5	15643.68	20.	23.	17517.5	36000.
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	03/18/91-03/18/92	8	3.	939.375	3800.	2.	3010090.839	1734.961	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	10/12/87-12/05/91	14	2.	3.543	10.1	0.2	10.596	3.255	0.35	0.925	6.075	9.25
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	06/12/88-09/18/92	18	3.9	5.589	19.7	0.2	35.625	5.969	0.29	0.5	8.475	18.17

** - 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: PECO0047

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	7	0	0.00	3	0	0.00	3	0	0.00	1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00	2	0	0.00
00400	PH	Other-Hi Lim.	9.	27	0	0.00	9	0	0.00	10	0	0.00	5	0	0.00	3	0	0.00
		Other-Lo Lim.	6.5	27	0	0.00	9	0	0.00	10	0	0.00	5	0	0.00	3	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	23	0	0.00	9	0	0.00	6	0	0.00	7	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	23	0	0.00	9	0	0.00	6	0	0.00	7	0	0.00	1	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	5	0	0.00	2	0	0.00	2	0	0.00				1	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	25	0	0.00	7	0	0.00	9	0	0.00	7	0	0.00	2	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	31	0	0.00	10	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
		Drinking Water	250.	31	0	0.00	10	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	32	0	0.00	11	0	0.00	10	0	0.00	8	0	0.00	3	0	0.00
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	17	0	0.00	7	0	0.00	3	0	0.00	7	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	50.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	26	0	0.00	8	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	50.	26	0	0.00	8	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	26	0	0.00	8	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	10	0	0.00	3	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	16	0	0.00	5	0	0.00	5	0	0.00	4	0	0.00	2	0	0.00
		Drinking Water	4.	2 &	0	0.00	1	0	0.00	1	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	5.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	26	0	0.00	8	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	5.	26	0	0.00	8	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	26	0	0.00	8	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	1 &	0	0.00				1	0	0.00						
		Drinking Water	1300.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	4 &	0	0.00				2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	1300.	26	0	0.00	8	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	15.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	26	0	0.00	8	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	15.	26	0	0.00	8	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	18	0	0.00	6	0	0.00	5	0	0.00	6	0	0.00	1	0	0.00
		Drinking Water	100.	18	0	0.00	6	0	0.00	5	0	0.00	6	0	0.00	1	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	6 &	0	0.00	1	0	0.00	3	0	0.00	2	0	0.00			
		Drinking Water	100.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	19 &	0	0.00	5	0	0.00	6	0	0.00	5	0	0.00	3	0	0.00
		Drinking Water	100.	25	0	0.00	8	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	10 &	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	5000.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	25 &	0	0.00	8	0	0.00	7	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	5000.	26	0	0.00	8	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	50.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	25	0	0.00	7	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	50.	25	0	0.00	7	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
28011	URANIUM, NATURAL, TOTAL	Drinking Water	20.	2	0	0.00				1	0	0.00				1	0	0.00
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
		Drinking Water	2.	12	0	0.00	4	0	0.00	5	0	0.00	3	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	26	0	0.00	8	0	0.00	8	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	2.	26	0	0.00	8	0	0.00	8	0	0.00	7	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: PECO0047

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	14	0	0.00	6	0	0.00	4	0	0.00	4	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	18	0	0.00	8	0	0.00	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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station PECO0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/80-12/05/91	9	8.2	8.789	12.5	6.4	4.254	2.062	6.4	7.	10.35	12.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/30/80-09/18/92	11	145.	147.636	194.	105.	1328.455	36.448	106.6	115.	187.	193.8
00400	PH (STANDARD UNITS)	10/30/80-12/05/91	9	8.	8.054	8.5	7.6	0.1	0.316	7.6	7.75	8.345	8.5
00400	CONVERTED PH (STANDARD UNITS)	10/30/80-12/05/91	9	8.	7.956	8.5	7.6	0.111	0.333	7.6	7.75	8.345	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-12/05/91	9	0.01	0.011	0.025	0.003	0.	0.008	0.003	0.005	0.018	0.025
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/18/92	11	75.	76.455	98.	53.	321.673	17.935	54.	58.	97.	98.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/18/92	11	4.	7.182	25.	1.	55.514	7.451	1.1	1.5	12.	23.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/18/92	11	27.	26.855	35.	19.6	32.831	5.73	19.68	20.7	32.	34.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/18/92	11	3.	4.773	22.	1.3	35.068	5.922	1.42	2.1	3.6	19.06
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/18/92	11	2.	3.465	11.5	0.	11.181	3.344	0.	1.	5.	10.2
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/18/92	11	1.	1.147	2.	0.	0.573	0.757	0.03	0.5	2.	2.
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/18/92	10 ##	2.5	2.2	2.5	1.	0.4	0.632	1.	2.125	2.5	2.5
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/18/92	11	10.	11.045	27.	2.5	38.923	6.239	3.2	7.	13.	24.4
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/18/92	11	104.	100.455	132.	66.	536.673	23.166	66.4	76.	116.	131.6

** - 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 box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/14 - Station PECO0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/80-12/05/91	10	1.4	1.79	4.5	0.	1.725	1.314	0.1	1.	2.85	4.35
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/30/80-09/18/92	11	177.	174.	246.	139.	959.4	30.974	140.	147.	188.	235.4
00400	PH (STANDARD UNITS)	10/30/80-12/05/91	10	7.9	7.932	8.29	7.6	0.043	0.208	7.62	7.8	8.058	8.284
00400	CONVERTED PH (STANDARD UNITS)	10/30/80-12/05/91	10	7.9	7.89	8.29	7.6	0.045	0.213	7.62	7.8	8.057	8.284
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-12/05/91	10	0.013	0.013	0.025	0.005	0.	0.006	0.005	0.009	0.016	0.024
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/18/92	10	95.	95.5	111.	87.	46.056	6.786	87.2	89.75	98.5	109.9
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/18/92	9 ##	1.5	1.667	6.	0.	3.438	1.854	0.	0.5	2.25	6.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/18/92	10	33.3	35.22	53.	29.	48.315	6.951	29.16	30.9	36.25	51.7
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/18/92	10	4.	4.84	12.8	2.	8.849	2.975	2.1	3.675	4.8	12.12
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/18/92	10	2.	1.785	4.5	0.	2.02	1.421	0.	0.038	2.5	4.3
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/18/92	10	0.89	1.211	4.5	0.	1.633	1.278	0.039	0.473	1.378	4.25
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/18/92	10 ##	2.5	1.995	3.	0.05	0.946	0.973	0.135	0.975	2.5	2.95
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/18/92	10	15.	15.6	19.	14.	2.267	1.506	14.	14.75	16.25	18.8
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/18/92	9	108.	105.444	120.	88.	131.778	11.479	88.	95.	116.	120.

** - 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 #3: 3/15 to 5/19 - Station PECO0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/80-12/05/91	5	4.	4.58	8.9	2.	6.582	2.566	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/30/80-09/18/92	8	152.5	154.5	214.	109.	1378.	37.121	**	**	**	**
00400	PH (STANDARD UNITS)	10/30/80-12/05/91	5	7.8	7.938	8.18	7.8	0.036	0.191	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/30/80-12/05/91	5	7.8	7.907	8.18	7.8	0.038	0.194	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-12/05/91	5	0.016	0.012	0.016	0.007	0.	0.005	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/18/92	8	83.	81.125	111.	58.	360.411	18.984	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/18/92	8	3.	7.063	39.	0.5	168.388	12.976	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/18/92	8	30.6	29.688	41.	19.	67.507	8.216	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/18/92	8	2.15	2.213	4.	0.1	1.684	1.298	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/18/92	8 ##	2.25	2.625	5.	0.	3.625	1.904	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/18/92	8	0.5	1.063	5.	0.	2.674	1.635	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/18/92	8 ##	2.5	3.	6.	2.5	1.5	1.225	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/18/92	8	14.5	13.875	17.	10.	7.839	2.8	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/18/92	8	100.5	101.375	130.	80.	372.268	19.294	**	**	**	**

** - 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 #4: 5/20 to 7/14 - Station PECO0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/30/80-12/05/91	3	10.	10.767	13.8	8.5	7.463	2.732	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/30/80-09/18/92	3	110.	121.	143.	110.	363.	19.053	**	**	**	**
00400	PH (STANDARD UNITS)	10/30/80-12/05/91	3	8.	7.9	8.	7.7	0.03	0.173	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/30/80-12/05/91	3	8.	7.876	8.	7.7	0.031	0.176	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/30/80-12/05/91	3	0.01	0.013	0.02	0.01	0.	0.006	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	12/04/80-09/18/92	3	64.	67.	81.	56.	163.	12.767	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/04/80-09/18/92	3	1.	3.5	9.	0.5	22.75	4.77	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/04/80-09/18/92	3	24.	24.067	27.	21.2	8.413	2.901	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/04/80-09/18/92	3	2.4	8.	19.5	2.1	99.21	9.96	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	12/04/80-09/18/92	3	0.	0.333	1.	0.	0.333	0.577	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	12/04/80-09/18/92	3	0.39	0.463	1.	0.	0.254	0.504	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	12/04/80-09/18/92	3	2.5	2.5	3.	2.	0.25	0.5	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/04/80-09/18/92	3	11.	11.	14.	8.	9.	3.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	12/04/80-09/18/92	3	87.	84.667	97.	70.	186.333	13.65	**	**	**	**

** - 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: PECO0048

NPS Station ID: PECO0048 LAT/LON: 35.763337/-105.640837 Agency: 21NMEX Date Created: 02/23/91
Location: WILLOW CR .75 MI ABV FOREST SERVICE GATE FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM/BIO STORET Station ID(s): UPR214.007017 /UPR214007017/WIL1
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 13060001 Depth of Water: 0 Aquifer:
Major Basin: WESTERN GULF Elevation: 2560 Water Body Id:
Minor Basin: PECOS RIVER ECO Region:
RF1 Index: 13060001 RF1 Mile Point: 0.000 Distance from RF1: 1.50 On/Off RF1:
RF3 Index: 13060001002031.75 RF3 Mile Point: 33.30 Distance from RF3: 0.00 On/Off RF3:
Description:
THIS STATION IS A REFERENCE SITE FOR POSSIBLE HEAVY METAL CONTAMINATION.

Parameter Inventory for Station: PECO0048

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: PECO0049

NPS Station ID: PECO0049 LAT/LON: 35.768616/-105.725004 Agency: 21NMEX Date Created: 09/26/87
Location: NORTH FORK OF TESUQUE CR BLW HYDE PARK (475) RD FIPS State/County: 35049 NEW MEXICO/SANTA FE
Station Type: /TYPA/AMBNT/STREAM STORET Station ID(s): URG118.003435 /URG118003435
RMI-Indexes: Within Park Boundary: No
RMI-Miles:
HUC: 13020101 Depth of Water: 0 Aquifer:
Major Basin: WESTERN GULF Elevation: 2946 Water Body Id:
Minor Basin: UPPER RIO GRANDE-ABOVE PECOS RIVER ECO Region:
RF1 Index: 13020101 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
RF3 Index: 13020201033300.00 RF3 Mile Point: 0.43 Distance from RF3: 0.04 On/Off RF3:
Description:
NORTH FORK OF TESUQUE CR BELOW THE HYDEPARK-SKI RD (HWY 475). THIS SITE WAS SELECTED TO MONITOR THE EFFECTS OF WINTER ROAD SALTING AND SANDING ON WATER QUALITY. ELEVATION 9660' MSL

Parameter Inventory for Station: PECO0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/14/87-06/16/87	3	4.	3.067	5.2	0.	7.413	2.723	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	03/06/87-01/22/88	6	2.5	2.917	6.2	0.3	6.098	2.469	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/06/87-03/25/88	5	5.	10.	25.	0.	100.	10.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/30/87-03/25/88	9	31.	31.333	45.	14.	70.25	8.382	14.	28.	35.5	45.
00300	OXYGEN, DISSOLVED MG/L	04/14/87-06/16/87	3	9.5	9.3	9.5	8.9	0.12	0.346	**	**	**	**
00400	PH (STANDARD UNITS)	04/14/87-06/16/87	3	7.1	7.133	7.2	7.1	0.003	0.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/14/87-06/16/87	3	7.1	7.131	7.2	7.1	0.003	0.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/14/87-06/16/87	3	0.079	0.074	0.079	0.063	0.	0.009	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	01/30/87-03/25/88	6	7.4	7.25	7.8	6.	0.399	0.632	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	01/30/87-03/25/88	6	7.4	6.711	7.8	6.	0.747	0.865	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/30/87-03/25/88	6	0.04	0.194	1.	0.016	0.156	0.395	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/87-03/25/88	7	12.	10.857	14.	3.	13.143	3.625	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/06/87-03/25/88	7	14.	13.143	17.	3.	21.81	4.67	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	03/06/87-03/25/88	5	0.	0.3	1.5	0.	0.45	0.671	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/30/87-03/25/88	8 ##	1.5	1.625	3.	1.	0.339	0.582	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	01/30/87-03/25/88	9 ##	0.105	0.131	0.265	0.07	0.004	0.064	0.07	0.08	0.168	0.265
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/30/87-03/25/88	9	0.	0.046	0.32	0.	0.011	0.105	0.	0.	0.048	0.32
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/30/87-03/25/88	9 ##	0.05	0.134	0.46	0.05	0.023	0.151	0.05	0.05	0.225	0.46
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/30/87-03/25/88	6 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/30/87-03/25/88	6 ##	0.03	0.065	0.24	0.02	0.008	0.087	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/30/87-03/25/88	9	0.11	0.148	0.45	0.05	0.018	0.133	0.05	0.05	0.22	0.45
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/14/87-06/16/87	3 ##	0.02	0.03	0.05	0.02	0.	0.017	**	**	**	**
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	01/30/87-03/25/88	9 ##	0.09	0.129	0.275	0.07	0.005	0.074	0.07	0.073	0.195	0.275
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/30/87-03/25/88	9	0.01	0.016	0.03	0.005	0.	0.011	0.005	0.005	0.03	0.03
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/06/87-03/25/88	5	11.	12.4	18.	9.	13.3	3.647	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	01/30/87-03/25/88	6	3.	3.317	4.	3.	0.242	0.492	**	**	**	**
00916	CALCIUM, TOTAL (MG/L AS CA)	03/06/87-03/31/87	2	3.8	3.8	4.	3.6	0.08	0.283	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	01/30/87-03/25/88	6	0.75	0.942	2.4	0.15	0.662	0.814	**	**	**	**
00927	MAGNESIUM, TOTAL (MG/L AS MG)	03/06/87-03/31/87	2	0.55	0.55	1.1	0.	0.605	0.778	**	**	**	**
00929	SODIUM, TOTAL (MG/L AS NA)	03/06/87-03/31/87	2 ##	5.1	5.1	9.2	1.	33.62	5.798	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	01/30/87-03/25/88	6 ##	2.7	3.067	5.	2.5	0.947	0.973	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	01/30/87-03/25/88	6	0.65	0.617	1.	0.15	0.155	0.393	**	**	**	**
00937	POTASSIUM, TOTAL MG/L AS K)	03/06/87-03/31/87	2 ##	1.295	1.295	2.34	0.25	2.184	1.478	**	**	**	**

** - 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: PECO0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	01/30/87-03/25/88	8 ##	2.5	2.813	5.	2.5	0.781	0.884	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	01/30/87-03/25/88	8	12.5	12.188	24.	2.5	89.21	9.445	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	01/30/87-03/25/88	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	01/30/87-03/25/88	8 ##	50.	53.125	100.	25.	435.268	20.863	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	01/30/87-03/25/88	8 ##	0.5	0.563	1.	0.5	0.031	0.177	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	01/30/87-03/25/88	8 ##	2.5	3.688	12.	2.5	11.281	3.359	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	01/30/87-03/25/88	6 ##	25.	32.5	70.	25.	337.5	18.371	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	03/31/87-03/25/88	6	355.	1104.167	5100.	25.	3865704.167	1966.139	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	01/30/87-03/25/88	8 ##	5.	6.25	15.	5.	12.5	3.536	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	03/31/87-03/25/88	4 ##	25.	56.25	150.	25.	3906.25	62.5	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	01/30/87-03/25/88	6 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	01/30/87-03/25/88	6 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	01/30/87-03/25/88	8 ##	0.5	0.688	2.	0.5	0.281	0.53	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	01/30/87-03/25/88	6 ##	25.	62.5	250.	25.	8437.5	91.856	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	01/30/87-03/25/88	8 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/30/87-03/25/88	7	46.	69.714	216.	34.	4236.571	65.089	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	01/30/87-03/25/88	8 ##	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: PECO0049

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	0	0.00				2	0	0.00	3	0	0.00	1	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00							2	0	0.00	1	0	0.00
00400	PH	Other-Hi Lim.	9.	3	0	0.00							2	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	3	0	0.00							2	0	0.00	1	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	6	0	0.00				4	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	6	1	0.17				4	1	0.25	2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	6	0	0.00				4	0	0.00	2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	6	0	0.00				4	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
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	8	0	0.00				4	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	250.	8	0	0.00				4	0	0.00	3	0	0.00	1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00				4	0	0.00	3	0	0.00	1	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00				4	0	0.00	4	0	0.00			
		Drinking Water	50.	8	0	0.00				4	0	0.00	4	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	8	0	0.00				4	0	0.00	4	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			
01034	CHROMIUM, TOTAL	Drinking Water	100.	8	0	0.00				4	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1 &	1	1.00				1	1	1.00						
		Drinking Water	1300.	6	0	0.00				4	0	0.00	2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	8	0	0.00				4	0	0.00	4	0	0.00			
		Drinking Water	15.	8	1	0.13				4	1	0.25	4	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00				4	0	0.00	2	0	0.00			
		Drinking Water	100.	6	0	0.00				4	0	0.00	2	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	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			
01092	ZINC, TOTAL	Fresh Acute	120.	6	1	0.17				4	1	0.25	2	0	0.00			
		Drinking Water	5000.	6	0	0.00				4	0	0.00	2	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	8	0	0.00				4	0	0.00	4	0	0.00			
		Drinking Water	50.	8	0	0.00				4	0	0.00	4	0	0.00			
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: PECO0050

NPS Station ID: PECO0050
LAT/LON: 35.777226/-105.657503
Agency: 112WRD
Date Created: / /
Location: RIO MORA NEAR TERRERO, NM
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 08377900
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 2.40
On/Off RF1:
RF3 Index: 13020201000300.00
RF3 Mile Point: 0.00
Distance from RF3: 0.04
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	316	5.	5.724	19.5	0.	27.532	5.247	0.	0.5	10.	13.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/15/70-06/25/92	104	12.	12.158	30.	-10.	73.238	8.558	2.25	6.125	19.5	24.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/22/82-06/25/92	35	580.	578.971	745.	6.	11775.323	108.514	563.2	572.	588.	659.4
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	107	14.	27.897	188.	1.	1304.225	36.114	4.8	6.	33.	71.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	258	17.	43.667	582.	1.	5454.137	73.852	5.	8.	42.25	119.3
00065	STAGE, STREAM (FEET)	05/26/83-07/27/83	2	2.27	2.27	2.73	1.81	0.423	0.651	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/15/70-07/16/73	13	1.	2.146	10.	0.	6.781	2.604	0.24	0.9	2.75	7.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/22/82-03/27/92	34	1.8	2.565	12.	0.2	7.872	2.806	0.4	1.	3.025	5.55
00080	COLOR (PLATINUM-COBALT UNITS)	10/05/66-07/16/73	53	5.	5.679	35.	0.	39.261	6.266	0.	3.	5.	13.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	190	101.5	101.589	223.	34.	677.122	26.022	70.1	83.75	117.	125.
00300p	OXYGEN, DISSOLVED MG/L	12/28/67-06/25/92	120	10.	9.76	13.4	4.3	2.97	1.723	7.41	8.6	10.875	11.6
00310	BOD, 5 DAY, 20 DEG C MG/L	12/28/67-12/07/71	31	0.5	0.926	5.2	0.	1.537	1.24	0.12	0.2	0.8	2.88
00335	COD, .025N K2CR2O7 MG/L	11/13/69-12/07/71	14	4.5	5.357	19.	1.	21.632	4.651	1.	2.5	7.25	13.5
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	189	7.6	7.661	9.	6.5	0.22	0.469	7.	7.35	8.	8.2
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	189	7.6	7.414	9.	6.5	0.281	0.53	7.	7.35	8.	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	189	0.025	0.039	0.316	0.001	0.002	0.049	0.006	0.01	0.045	0.1
00403p	PH, LAB, STANDARD UNITS SU	11/06/80-03/27/92	47	7.9	7.909	8.7	6.9	0.097	0.311	7.58	7.8	8.	8.32
00403p	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-03/27/92	47	7.9	7.778	8.7	6.9	0.114	0.338	7.58	7.8	8.	8.32
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-03/27/92	47	0.013	0.017	0.126	0.002	0.	0.019	0.005	0.01	0.016	0.026
00405	CARBON DIOXIDE (MG/L AS CO2)	07/26/65-05/04/78	32	1.55	2.781	17.	0.2	11.55	3.399	0.4	0.85	2.9	7.25
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/65-05/27/87	84	42.	40.452	75.	0.	114.564	10.703	28.	36.	47.	51.
00419	ALKALINITY,CARBONATE,INCREMENTAL TITR FIELD MG/L	10/01/86-05/27/87	3	0.	21.333	64.	0.	1365.333	36.95	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	101	51.	51.832	114.	16.	223.761	14.959	33.	44.	58.	62.8
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	99	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00447	CARBONATE,INCREMENTAL TITRATION,(CO3) FIELD MG/L	10/01/86-05/27/87	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00450	BICARBONATE,INCREMENTAL TITRATION,(HCO3) FIELDMG/L	10/01/86-05/27/87	3	0.	26.	78.	0.	2028.	45.033	**	**	**	**
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/02/87-06/25/92	19	0.	0.842	16.	0.	13.474	3.671	0.	0.	0.	0.
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HCO3,MG/L	11/02/87-06/25/92	19	51.	55.	165.	13.	947.444	30.781	29.	38.	63.	74.
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/23/67-09/14/77	9	62.	61.556	78.	52.	72.278	8.502	52.	53.5	66.5	78.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/23/67-09/14/77	8 ##	0.75	1.25	3.	0.5	0.929	0.964	**	**	**	**
00600	NITROGEN, TOTAL (MG/L AS N)	11/27/68-01/25/82	12	0.435	0.613	2.4	0.05	0.493	0.702	0.053	0.118	0.838	2.13
00602	NITROGEN, DISSOLVED (MG/L AS N)	11/06/80-03/29/82	8	0.49	0.556	1.1	0.19	0.082	0.287	**	**	**	**
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	10/05/70-05/28/86	18	0.335	0.517	2.2	0.01	0.299	0.547	0.028	0.215	0.643	1.39
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	11/06/80-09/27/82	12	0.35	0.378	0.8	0.07	0.044	0.21	0.085	0.233	0.548	0.746
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/02/72-06/25/92	50	0.03	0.055	0.41	0.	0.005	0.069	0.005	0.02	0.07	0.119
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/22/73-06/25/92	37	0.02	0.042	0.15	0.	0.002	0.041	0.005	0.005	0.07	0.104
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/02/72-06/25/92	27 ##	0.005	0.005	0.02	0.	0.	0.003	0.004	0.005	0.005	0.005
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/28/90-06/25/92	7 ##	0.005	0.008	0.02	0.005	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

Parameter Inventory for Station: PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	11/27/68-06/20/91	11	0.01	0.033	0.1	0.	0.002	0.039	0.	0.	0.07	0.098
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	11/06/80-08/26/91	13	0.4	0.458	0.95	0.19	0.051	0.226	0.194	0.27	0.65	0.85
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	11/06/80-09/27/82	12	0.13	0.326	1.7	0.	0.236	0.486	0.	0.01	0.438	1.4
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/02/72-06/25/92	51	0.3	0.414	2.3	0.04	0.165	0.406	0.1	0.1	0.54	0.88
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/22/73-06/25/92	62	0.05	0.055	0.36	0.	0.003	0.052	0.01	0.025	0.073	0.107
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/06/71-06/25/92	64 ##	0.05	0.103	3.6	0.	0.198	0.445	0.	0.026	0.05	0.1
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	11/30/67-07/12/79	14	0.11	0.334	3.	0.	0.608	0.78	0.	0.	0.28	1.695
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	04/06/71-03/05/81	17	0.	0.023	0.12	0.	0.001	0.036	0.	0.	0.03	0.096
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/27/68-06/25/92	100	0.01	0.022	0.84	0.	0.007	0.084	0.005	0.005	0.02	0.03
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/06/80-06/25/92	48	0.01	0.013	0.04	0.005	0.	0.01	0.005	0.005	0.02	0.03
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/06/71-06/25/92	54 ##	0.005	0.007	0.04	0.	0.	0.007	0.	0.005	0.01	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/13/72-07/27/82	17	2.3	2.871	5.7	0.6	2.383	1.544	0.92	1.7	4.35	5.14
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	09/09/75-09/27/82	5	3.4	3.26	4.2	1.4	1.198	1.095	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	09/09/75-09/27/82	5	0.2	0.27	0.6	0.05	0.052	0.228	**	**	**	**
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/29/74-09/27/82	18	0.	0.001	0.01	0.	0.	0.003	0.	0.	0.	0.006
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	131	47.	48.183	108.	12.	171.428	13.093	32.2	41.	55.	59.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	119	6.	6.496	17.	0.	12.049	3.471	2.	4.	8.	12.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/62-03/27/92	155	16.	16.32	37.	3.	20.446	4.522	11.	13.	19.	21.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/62-03/27/92	155	1.7	1.737	3.8	0.6	0.253	0.503	1.1	1.4	2.	2.3
00930p	SODIUM, DISSOLVED (MG/L AS NA)	11/06/62-03/27/92	154	1.4	1.514	13.	0.6	1.124	1.06	0.8	1.1	1.7	1.95
00931p	SODIUM ADSORPTION RATIO	11/06/62-03/25/86	123	0.1	0.107	0.9	0.	0.006	0.08	0.1	0.1	0.1	0.1
00932p	SODIUM, PERCENT	11/09/66-11/26/85	91	6.	6.451	41.	3.	17.673	4.204	4.	5.	6.	8.
00933	SODIUM,PLUS POTASSIUM (MG/L)	07/12/79-02/01/80	4	2.	1.95	2.3	1.5	0.17	0.412	**	**	**	**
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/62-03/27/92	154	0.5	0.579	3.8	0.3	0.131	0.362	0.4	0.485	0.6	0.75
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	161	0.6	0.756	6.	0.	0.528	0.726	0.2	0.4	0.9	1.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/06/62-03/27/92	153	8.	8.448	19.	0.5	8.52	2.919	5.	7.	10.	12.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/62-03/27/92	153	0.2	0.208	0.7	0.05	0.01	0.101	0.1	0.2	0.2	0.3
00955p	SILICA, DISSOLVED (MG/L AS SI02)	11/06/62-03/27/92	154	6.05	6.129	12.	4.3	0.775	0.88	5.25	5.7	6.5	6.9
01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/02/72-08/26/91	33 ##	0.5	0.742	6.	0.	0.986	0.993	0.5	0.5	0.5	1.
01001	ARSENIC, SUSPENDED (UG/L AS AS)	03/27/80-08/26/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	11/20/73-09/27/82	19 ##	0.5	0.632	2.	0.	0.19	0.436	0.	0.5	1.	1.
01005	BARIUM, DISSOLVED (UG/L AS BA)	10/15/69-03/27/92	36	23.	22.5	31.	0.	34.6	5.882	14.7	20.	26.	30.
01006	BARIUM, SUSPENDED (UG/L AS BA)	03/27/80-06/04/82	5	80.	86.	200.	0.	5180.	71.972	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	11/20/73-09/27/82	19 ##	50.	73.684	200.	0.	2602.339	51.013	50.	50.	100.	200.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	10/15/69-08/26/91	33 ##	0.25	0.427	2.	0.	0.16	0.4	0.25	0.25	0.5	0.9
01015	BISMUTH, DISSOLVED (UG/L AS BI)	10/15/69-10/15/69	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	12/23/63-03/22/73	62	20.	26.29	130.	0.	843.39	29.041	0.	0.	40.	70.
01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/15/69-08/26/91	34 ##	0.5	0.809	7.	0.	1.318	1.148	0.5	0.5	0.5	1.25
01027	CADMIUM, TOTAL (UG/L AS CD)	11/20/73-09/27/82	19 ##	3.	5.684	20.	0.	33.645	5.8	0.	0.	10.	10.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/15/69-08/26/91	33 ##	0.5	0.697	2.5	0.	0.233	0.483	0.5	0.5	1.	1.
01031	CHROMIUM, SUSPEND (UG/L AS CR)	03/27/80-08/26/81	4	0.	5.	20.	0.	100.	10.	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	05/02/72-05/02/72	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/20/73-09/27/82	19 ##	0.	4.737	20.	0.	56.871	7.541	0.	0.	10.	20.
01035	COBALT, DISSOLVED (UG/L AS CO)	10/15/69-03/27/92	35 ##	1.5	1.571	4.5	1.	0.267	0.517	1.5	1.5	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	11/09/66-08/26/91	35	2.	25.043	780.	0.5	17264.094	131.393	0.5	1.	5.	5.4
01042	COPPER, TOTAL (UG/L AS CU)	11/20/73-09/27/82	19 ##	5.	6.026	10.	0.	16.791	4.098	0.	2.	10.	10.
01044	IRON, SUSPENDED (UG/L AS FE)	09/11/80-09/27/82	5	70.	64.	140.	0.	3130.	55.946	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/20/73-09/27/82	19	80.	194.474	2300.	5.	263785.819	513.601	10.	20.	120.	240.
01046p	IRON, DISSOLVED (UG/L AS FE)	11/30/67-03/27/92	66	20.5	33.015	120.	0.	1016.261	31.879	0.	9.75	48.5	88.6
01049	LEAD, DISSOLVED (UG/L AS PB)	10/15/69-08/26/91	33 ##	2.5	2.939	15.	0.5	10.293	3.208	0.5	0.5	5.	6.2
01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-09/27/82	20 ##	16.5	47.475	100.	0.	2405.355	49.044	0.05	2.	100.	100.
01054	MANGANESE, SUSPENDED (UG/L AS MN)	09/11/80-09/27/82	3	6.	4.667	8.	0.	17.333	4.163	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/20/73-09/27/82	19 ##	5.	22.526	310.	0.	4865.152	69.751	0.	5.	10.	20.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/15/69-03/27/92	37	2.	2.068	13.	0.5	4.738	2.177	0.5	0.5	2.5	4.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	10/15/69-03/27/92	35 ##	5.	5.157	15.	0.5	3.511	1.874	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	10/15/69-03/27/92	29	1.	1.776	8.	0.5	3.618	1.902	0.5	0.5	3.	5.
01075	SILVER, DISSOLVED (UG/L AS AG)	10/15/69-03/27/92	36 ##	0.5	0.5	1.	0.	0.071	0.267	0.	0.5	0.5	1.
01076	SILVER, SUSPENDED (UG/L AS AG)	03/27/80-08/26/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	11/20/73-09/27/82	19 ##	1.	4.842	10.	0.	25.335	5.033	0.	0.	10.	10.
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	10/15/69-03/27/92	36	37.	35.278	49.	20.	76.949	8.772	21.7	27.5	42.75	47.3
01085	VANADIUM, DISSOLVED (UG/L AS V)	10/15/69-03/27/92	35 ##	3.	3.	5.	1.	0.235	0.485	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	11/09/66-08/26/91	35	8.	26.3	520.	1.5	7491.709	86.555	1.5	5.	17.	35.8
01091	ZINC, SUSPENDED (UG/L ZN)	09/11/80-09/27/82	4	2.	3.5	10.	0.	22.333	4.726	**	**	**	**

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Parameter Inventory for Station: PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01092	ZINC, TOTAL (UG/L AS ZN)	11/20/73-09/27/82	19	10.	21.053	110.	0.	598.83	24.471	0.	10.	30.	40.
01100	TIN, DISSOLVED (UG/L AS SN)	10/15/69-10/15/69	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/15/69-03/27/92	29	40.	57.069	210.	5.	3033.067	55.073	5.	7.5	85.	130.
01125	GERMANIUM, DISSOLVED (UG/L AS GE)	10/15/69-10/15/69	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
01130	LITHIUM, DISSOLVED (UG/L AS LI)	10/15/69-03/27/92	35 ##	2.	2.786	9.	0.5	3.519	1.876	2.	2.	2.	6.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/02/72-03/27/92	35 ##	0.5	0.429	0.5	0.	0.032	0.178	0.	0.5	0.5	0.5
01146	SELENIUM, SUSPENDED (UG/L AS SE)	03/27/80-08/26/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/20/73-09/27/82	19 ##	0.5	0.632	2.	0.	0.412	0.642	0.	0.5	0.5	2.
01150	TITANIUM, DISSOLVED (UG/L AS TI)	10/15/69-10/15/69	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01515	ALPHA, DISSOLVED GROSS, AS URANIUM-NATURAL, PC/L	10/23/67-11/22/82	7	0.5	0.55	1.	0.25	0.074	0.272	**	**	**	**
01516	ALPHA, SUSPEND GROSS, AS URANIUM NATURAL, PC/L	10/23/67-09/11/80	6 ##	0.05	0.083	0.15	0.05	0.003	0.052	**	**	**	**
03515	BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	29	0.9	1.028	2.7	0.3	0.249	0.499	0.5	0.7	1.35	1.5
03516	BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	29 ##	0.2	0.267	0.6	0.2	0.015	0.123	0.2	0.2	0.3	0.6
09511	RADIUM 226, DISSOLVED, RADON METHOD	10/23/67-11/18/91	28	0.04	0.047	0.13	0.005	0.001	0.026	0.02	0.03	0.05	0.09
22703	URANIUM, NATURAL, DISSOLVED	10/23/67-11/18/91	10	0.145	0.19	0.38	0.03	0.02	0.142	0.033	0.068	0.348	0.379
31501p	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/16/68-09/11/80	62	5.	19.258	172.	0.	881.965	29.698	0.	0.	29.	49.7
31501p	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/16/68-09/11/80	62	0.699	0.73	2.236	-5.301	1.075	1.037	0.	-3.976	1.462	1.696
31501p	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			5.366								
31507	COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508)	12/28/67-07/17/68	7	12.	17.857	60.	1.	453.143	21.287	**	**	**	**
31507	LOG COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 3150	12/28/67-07/17/68	7	1.079	0.848	1.778	0.	0.54	0.735	**	**	**	**
31507	GM COLIFORM,TOT,MPN,COMPLETED TEST,35C (TUBE 31508	GEOMETRIC MEAN =			7.048								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/29/69-09/01/76	36	0.	3.583	42.	0.	75.793	8.706	0.	0.	2.75	10.9
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/29/69-09/01/76	36	0.	0.263	1.623	0.	0.208	0.456	0.	0.	0.433	1.034
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1.833								
31625p	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/04/76-06/25/92	67	1.	16.052	600.	0.	5898.698	76.803	0.	0.	4.	18.2
31625p	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/04/76-06/25/92	67	0.	0.199	2.778	-5.301	1.315	1.147	0.	0.	0.602	1.26
31625p	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			1.581								
31673p	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/03/77-06/25/92	64	13.	38.594	500.	0.	6170.872	78.555	0.	3.	26.75	120.
31673p	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/03/77-06/25/92	64	1.113	0.939	2.699	-5.301	1.155	1.075	-2.651	0.477	1.427	2.073
31673p	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			8.698								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/29/69-01/06/77	31	5.	7.677	63.	0.	181.559	13.474	0.	0.	8.	23.2
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/29/69-01/06/77	31	0.699	0.553	1.799	0.	0.276	0.526	0.	0.	0.903	1.364
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			3.574								
39034	PERTHANE IN WHOLE WATER SAMPLE (UG/L)	09/21/78-09/27/82	5	0.	0.01	0.05	0.	0.001	0.022	**	**	**	**
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/02/87-06/25/92	19	42.	46.526	135.	24.	569.93	23.873	25.	35.	52.	61.
39250	NAPTHALENES, POLYCHLORINATED (UG/L)	09/01/76-09/27/82	6	0.	0.008	0.05	0.	0.	0.02	**	**	**	**
39251	PCNS IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	08/26/81-09/27/82	2 ##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	12	0.	0.013	0.1	0.	0.001	0.031	0.	0.	0.	0.085
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	10/23/67-09/27/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/23/67-09/27/82	12	0.	0.013	0.1	0.	0.001	0.031	0.	0.	0.	0.085
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/05/70-09/27/82	11	0.	0.005	0.05	0.	0.	0.015	0.	0.	0.	0.04
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/05/70-09/27/82	11	0.	0.091	0.5	0.	0.041	0.202	0.	0.	0.	0.5
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	12	0.15	0.463	2.2	0.	0.471	0.687	0.	0.013	0.925	1.9
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	12	0.55	0.667	2.	0.	0.359	0.599	0.03	0.125	1.1	1.79
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	13	0.	0.001	0.01	0.	0.	0.003	0.	0.	0.	0.008
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	12	0.55	0.817	3.5	0.	0.954	0.977	0.	0.125	1.15	2.9
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/23/67-09/27/82	12	0.	0.013	0.1	0.	0.001	0.031	0.	0.	0.	0.085
39388	ENDOSULFAN IN WHOLE WATER SAMPLE (UG/L)	09/14/77-09/27/82	6	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39389	ENDOSULFAN IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	08/26/81-09/27/82	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	12	0.	0.013	0.1	0.	0.001	0.031	0.	0.	0.	0.085
39398	ETHION IN WHOLE WATER SAMPLE (UG/L)	09/01/76-09/27/82	7	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/25/74-09/27/82	9	0.	0.056	0.5	0.	0.028	0.167	0.	0.	0.	0.5
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/25/74-09/27/82	9	0.	0.556	5.	0.	2.778	1.667	0.	0.	0.	5.
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	13	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.003
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	12	0.	0.013	0.1	0.	0.001	0.031	0.	0.	0.	0.085
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	11	0.	0.	0.005	0.	0.	0.002	0.	0.	0.	0.004
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/05/70-09/27/82	11	0.	0.014	0.1	0.	0.001	0.032	0.	0.	0.	0.09
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/07/79-09/27/82	4	0.	0.001	0.005	0.	0.	0.003	**	**	**	**

** - 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: PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39481	METHOXYCHLOR IN BOTTOM DEPOSITS (UG/KG DRY SOL.)	09/07/79-09/27/82	4	0.025	0.763	3.	0.	2.226	1.492	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/20/73-09/27/82	10	0.	0.005	0.05	0.	0.	0.016	0.	0.	0.	0.045
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/20/73-09/27/82	10	0.	0.05	0.5	0.	0.025	0.158	0.	0.	0.	0.45
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	11	0.	0.	0.005	0.	0.	0.002	0.	0.	0.	0.004
39531	MALATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/05/70-10/05/70	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	11	0.	0.	0.005	0.	0.	0.002	0.	0.	0.	0.004
39541	PARATHION IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/05/70-10/05/70	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	11	0.	0.	0.005	0.	0.	0.002	0.	0.	0.	0.004
39571	DIAZINON IN BOT. DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/05/70-10/05/70	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	11	0.	0.	0.005	0.	0.	0.002	0.	0.	0.	0.004
39601	METHYL PARATHION IN BOT. DEPOS.(UG/KG DRY SOLIDS)	10/05/70-10/05/70	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	10/15/69-09/27/82	12	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.004
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	10/15/69-09/27/82	12	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.004
39755	MIREX, TOTAL (UG/L)	09/21/78-09/27/82	5	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39758	MIREX, BOTTOM MATERIAL (UG/KG DRY SOLIDS)	08/26/81-09/27/82	2 ##	0.025	0.025	0.05	0.	0.001	0.035	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	10/15/69-09/27/82	12	0.	0.	0.005	0.	0.	0.001	0.	0.	0.	0.004
39786	TRITHION IN WHOLE WATER SAMPLE (UG/L)	09/01/76-09/27/82	7	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
39790	METHYL TRITHION IN WHOLE WATER SAMPLE (UG/L)	09/01/76-09/27/82	7	0.	0.001	0.005	0.	0.	0.002	**	**	**	**
70299	SOLIDS, SUSP. - RESIDUE ON EVAP. AT 180 C (MG/L)	12/09/70-03/16/71	3	1.	0.733	1.	0.2	0.213	0.462	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/62-03/27/92	153	64.	64.32	138.	20.	267.469	16.354	47.	53.	72.	78.
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/30/67-03/25/86	87	63.	61.023	105.	36.	139.279	11.802	43.8	51.	69.	75.2
70302p	SOLIDS, DISSOLVED-TONS PER DAY	12/23/63-01/19/83	97	2.53	3.84	23.	0.22	18.46	4.296	0.848	1.16	4.335	8.71
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/06/62-01/19/83	98	0.09	0.086	0.19	0.05	0.	0.019	0.06	0.07	0.1	0.101
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/07/69-08/26/91	34	78.5	75.147	100.	24.	394.978	19.874	42.	62.75	94.	97.
70332	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .125MM	05/07/69-05/07/69	1	78.	78.	78.	78.	0.	0.	**	**	**	**
70333	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .250MM	05/07/69-05/07/69	1	92.	92.	92.	92.	0.	0.	**	**	**	**
70334	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .500MM	05/07/69-05/07/69	1	100.	100.	100.	100.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/05/81-06/25/92	9 ##	0.005	0.066	0.54	0.	0.032	0.178	0.	0.005	0.013	0.54
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	11/06/80-01/08/81	2	0.05	0.05	0.1	0.	0.005	0.071	**	**	**	**
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/05/70-05/28/86	19	0.09	0.101	0.32	0.	0.005	0.074	0.	0.04	0.13	0.19
71851p	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/06/62-03/22/73	58	0.1	0.114	0.4	0.	0.011	0.103	0.	0.	0.2	0.3
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	10/05/70-03/22/73	4	0.	0.	0.	0.	0.	0.	**	**	**	**
71870	BROMIDE (MG/L AS BR)	06/20/91-06/20/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71885	IRON (UG/L AS FE)	12/23/63-09/20/67	31	10.	30.645	640.	0.	12932.903	113.723	0.	0.	10.	28.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	11/27/68-05/28/86	35	0.03	0.071	0.95	0.	0.025	0.158	0.	0.02	0.06	0.128
71887	NITROGEN, TOTAL, AS NO3 - MG/L	03/22/73-01/25/82	8	2.55	3.788	10.	0.8	9.418	3.069	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	03/27/80-08/26/91	29 ##	0.05	0.126	1.1	0.	0.065	0.254	0.	0.05	0.05	0.6
71895	MERCURY, SUSPENDED (UG/L AS HG)	03/27/80-08/26/81	4	0.1	0.075	0.1	0.	0.003	0.05	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-09/27/82	20 ##	0.25	0.288	1.6	0.	0.144	0.379	0.05	0.05	0.25	0.8
75986	ALPHA GROSS,1 SIGMA PRC EST AS NAT U,DISS,WTR UG/L	05/25/89-11/18/91	6	0.6	0.617	0.8	0.5	0.014	0.117	**	**	**	**
75987	ALPHA GROSS,DISS,1 SIGMA PRC EST AS TH230,WTR PC/L	05/25/89-11/18/91	6	0.85	0.883	1.9	0.3	0.354	0.595	**	**	**	**
75988	BETA GROSS,DISS,1 SIGMA PRC EST AS SR90/Y90 PC/L	05/25/89-11/18/91	6	0.5	0.467	0.5	0.4	0.003	0.052	**	**	**	**
75989	BETA GROSS,1 SIGMA PRC EST AS CS-137,DISS,WTR PC/L	05/25/89-11/18/91	6	0.55	0.533	0.7	0.4	0.015	0.121	**	**	**	**
75990	URANIUM,NATURAL,1 SIGMA PRC EST,DISS,WATER UG/L	05/22/90-11/18/91	4 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
76001	RADIUM 226,1 SIGMA PRC EST,DISSOLVED,WATER PC/L	05/22/90-11/18/91	4	0.015	0.015	0.02	0.01	0.	0.006	**	**	**	**
76004	ALPHA GROSS,SUSP,1 SIGMA PRC EST AS TH230,WTR PC/L	05/25/89-11/18/91	6	0.2	0.233	0.4	0.	0.023	0.151	**	**	**	**
76005	BETA GROSS,SUSP,1 SIGMA PRC EST AS SR90/Y90 PC/L	05/25/89-11/18/91	6	0.45	0.433	0.6	0.3	0.015	0.121	**	**	**	**
80020	URANIUM,DISS.,BY EXTRACTION FLUOROMETRIC METHOD	04/18/69-05/27/87	18	0.165	0.177	0.37	0.06	0.008	0.087	0.065	0.123	0.21	0.352
80030	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/23/67-11/18/91	29	0.9	0.96	3.1	0.2	0.402	0.634	0.2	0.45	1.25	1.8
80040	ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/23/67-11/18/91	29 ##	0.2	0.224	0.3	0.2	0.002	0.044	0.2	0.2	0.25	0.3
80050	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	29	0.8	0.862	2.2	0.3	0.164	0.405	0.3	0.6	1.05	1.3
80060	BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	29 ##	0.2	0.264	0.6	0.2	0.013	0.114	0.2	0.2	0.3	0.5
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	249	4.	29.892	2280.	0.	30424.395	174.426	1.	2.	9.	25.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	215	0.16	3.073	167.	0.	194.016	13.929	0.02	0.04	0.76	4.94
81886	PERTHANE IN SEDIMENT DRY WEIGHT UG/KG	08/26/81-09/27/82	2 ##	0.25	0.25	0.5	0.	0.125	0.354	**	**	**	**
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	01/08/81-06/25/81	4	0.4	0.425	0.5	0.4	0.002	0.05	**	**	**	**
82086	SULFUR-34/SULFUR-32 STABLE ISOTOPE RATIO PER MIL	06/20/91-06/20/91	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
82183	2,4-DP (DICHLORPROP) TOTAL UG/L	08/26/81-09/27/82	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: PECO0050

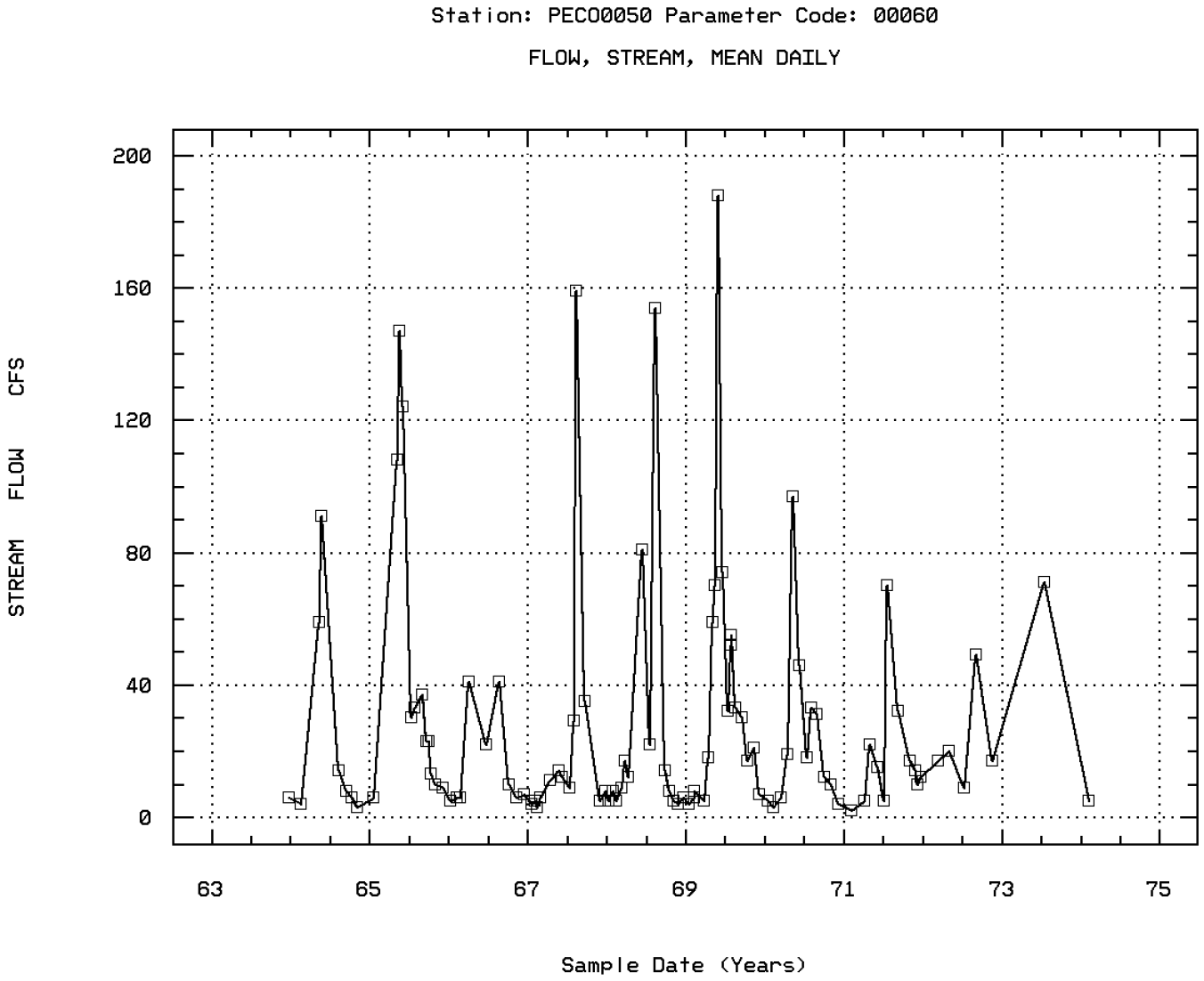
Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	13	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00	3	0	0.00
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	34	0	0.00	7	0	0.00	12	0	0.00	7	0	0.00	8	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	120	0	0.00	24	0	0.00	51	0	0.00	21	0	0.00	24	0	0.00
00400	PH	Other-Hi Lim.	9.	189	1	0.01	44	0	0.00	74	0	0.00	35	0	0.00	36	1	0.03
		Other-Lo Lim.	6.5	189	1	0.01	44	0	0.00	74	1	0.01	35	0	0.00	36	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	47	0	0.00	10	0	0.00	17	0	0.00	9	0	0.00	11	0	0.00
		Other-Lo Lim.	6.5	47	0	0.00	10	0	0.00	17	0	0.00	9	0	0.00	11	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	27	0	0.00	5	0	0.00	6	0	0.00	9	0	0.00	7	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	11	0	0.00	2	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	62	0	0.00	12	0	0.00	25	0	0.00	13	0	0.00	12	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	64	0	0.00	13	0	0.00	21	0	0.00	15	0	0.00	15	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	18	0	0.00	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00
		Drinking Water	0.2	18	0	0.00	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	161	0	0.00	37	0	0.00	63	0	0.00	31	0	0.00	30	0	0.00
		Drinking Water	250.	161	0	0.00	37	0	0.00	63	0	0.00	31	0	0.00	30	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	153	0	0.00	34	0	0.00	62	0	0.00	29	0	0.00	28	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	153	0	0.00	35	0	0.00	61	0	0.00	29	0	0.00	28	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	33	0	0.00	7	0	0.00	9	0	0.00	8	0	0.00	9	0	0.00
		Drinking Water	50.	33	0	0.00	7	0	0.00	9	0	0.00	8	0	0.00	9	0	0.00
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	19	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00
		Drinking Water	50.	19	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	36	0	0.00	7	0	0.00	11	0	0.00	9	0	0.00	9	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	19	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	33	0	0.00	7	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
		Drinking Water	4.	33	0	0.00	7	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	33 &	0	0.00	7	0	0.00	9	0	0.00	8	0	0.00	9	0	0.00
		Drinking Water	5.	33 &	0	0.00	7	0	0.00	9	0	0.00	8	0	0.00	9	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	11 &	1	0.09	5	0	0.00	2	0	0.00	3	1	0.33	1	0	0.00
		Drinking Water	5.	11 &	1	0.09	5	0	0.00	2	0	0.00	3	1	0.33	1	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	33	0	0.00	7	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	4	0	0.00	2	0	0.00	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			
01034	CHROMIUM, TOTAL	Drinking Water	100.	19	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	35	1	0.03	7	0	0.00	11	1	0.09	8	0	0.00	9	0	0.00
		Drinking Water	1300.	35	0	0.00	7	0	0.00	11	0	0.00	8	0	0.00	9	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	19	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00
		Drinking Water	1300.	19	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	33	0	0.00	7	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
		Drinking Water	15.	32 &	0	0.00	7	0	0.00	10	0	0.00	7	0	0.00	8	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	11 &	0	0.00	5	0	0.00	2	0	0.00	3	0	0.00	1	0	0.00
		Drinking Water	15.	11 &	1	0.09	5	0	0.00	2	1	0.50	3	0	0.00	1	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	29	0	0.00	4	0	0.00	10	0	0.00	7	0	0.00	8	0	0.00
		Drinking Water	100.	29	0	0.00	4	0	0.00	10	0	0.00	7	0	0.00	8	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	36	0	0.00	7	0	0.00	11	0	0.00	9	0	0.00	9	0	0.00
		Drinking Water	100.	36	0	0.00	7	0	0.00	11	0	0.00	9	0	0.00	9	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	100.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	10 &	0	0.00	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	100.	19	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	35	1	0.03	7	0	0.00	11	1	0.09	8	0	0.00	9	0	0.00
		Drinking Water	5000.	35	0	0.00	7	0	0.00	11	0	0.00	8	0	0.00	9	0	0.00
01091	ZINC, SUSPENDED	Fresh Acute	120.	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	5000.	4	0	0.00	3	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

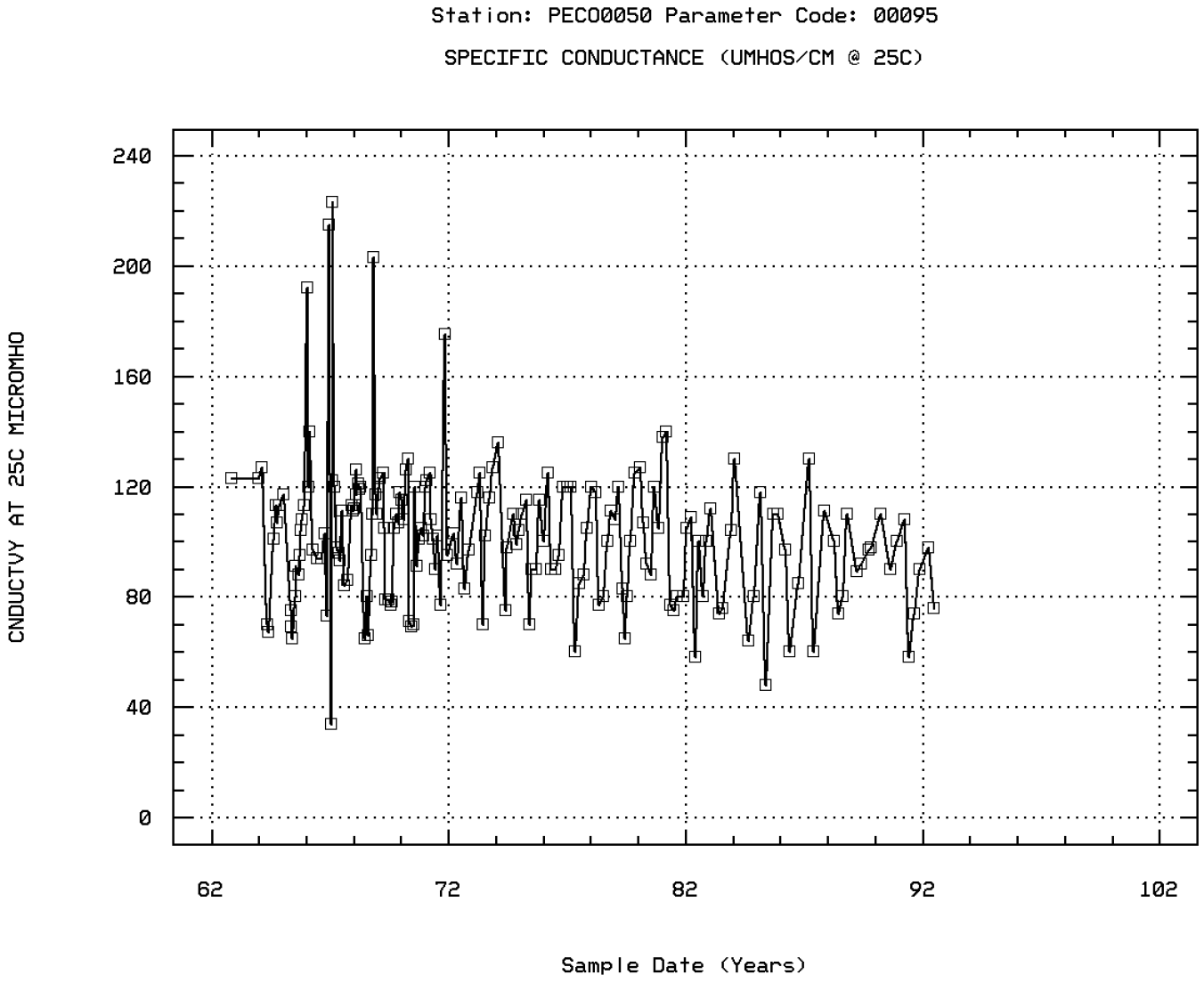
EPA Water Quality Criteria Analysis for Station: PECO0050

Parameter				Total	Exceed	Prop.	----------7/15-10/14----------			----------10/15-3/14----------			----------3/15-5/19----------			----------5/20-7/14----------		
		Std. Type	Std. Value	Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01092	ZINC, TOTAL	Fresh Acute	120.	19	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00
		Drinking Water	5000.	19	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	35	0	0.00	7	0	0.00	10	0	0.00	9	0	0.00	9	0	0.00
		Drinking Water	50.	35	0	0.00	7	0	0.00	10	0	0.00	9	0	0.00	9	0	0.00
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	19	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00
		Drinking Water	50.	19	0	0.00	9	0	0.00	4	0	0.00	3	0	0.00	3	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	10	0	0.00				6	0	0.00				4	0	0.00
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	62	0	0.00	12	0	0.00	29	0	0.00	13	0	0.00	8	0	0.00
31507	COLIFORM, TOTAL, MPN	Other-Hi Lim.	1000.	7	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	36	0	0.00	8	0	0.00	16	0	0.00	6	0	0.00	6	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	67	2	0.03	14	0	0.00	25	0	0.00	14	1	0.07	14	1	0.07
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	13	0	0.00	10	0	0.00	3	0	0.00						
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	13	0	0.00	10	0	0.00	3	0	0.00						
		Drinking Water	0.2	13	0	0.00	10	0	0.00	3	0	0.00						
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	11	0	0.00	10	0	0.00	1	0	0.00						
		Drinking Water	2.	11	0	0.00	10	0	0.00	1	0	0.00						
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	13	0	0.00	10	0	0.00	3	0	0.00						
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	13	0	0.00	10	0	0.00	3	0	0.00						
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	13	0	0.00	10	0	0.00	3	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	13	0	0.00	10	0	0.00	3	0	0.00						
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	6	0	0.00	6	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	13	0	0.00	10	0	0.00	3	0	0.00						
		Drinking Water	2.	13	0	0.00	10	0	0.00	3	0	0.00						
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	9	0	0.00	9	0	0.00									
		Drinking Water	3.	9	0	0.00	9	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	13	0	0.00	10	0	0.00	3	0	0.00						
		Drinking Water	0.4	13	0	0.00	10	0	0.00	3	0	0.00						
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	11	0	0.00	10	0	0.00	1	0	0.00						
		Drinking Water	0.2	11	0	0.00	10	0	0.00	1	0	0.00						
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00	4	0	0.00									
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	11	0	0.00	10	0	0.00	1	0	0.00						
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	12	0	0.00	10	0	0.00	2	0	0.00						
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	12	0	0.00	10	0	0.00	2	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	58	0	0.00	16	0	0.00	25	0	0.00	10	0	0.00	7	0	0.00
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	4	0	0.00	2	0	0.00				2	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	29	0	0.00	7	0	0.00	9	0	0.00	5	0	0.00	8	0	0.00
		Drinking Water	2.	29	0	0.00	7	0	0.00	9	0	0.00	5	0	0.00	8	0	0.00
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	20	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00
		Drinking Water	2.	20	0	0.00	9	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00
80020	URANIUM, DISS. BY EXTRACTION FLUOROMETRI	Drinking Water	20.	18	0	0.00	10	0	0.00	6	0	0.00	1	0	0.00	1	0	0.00

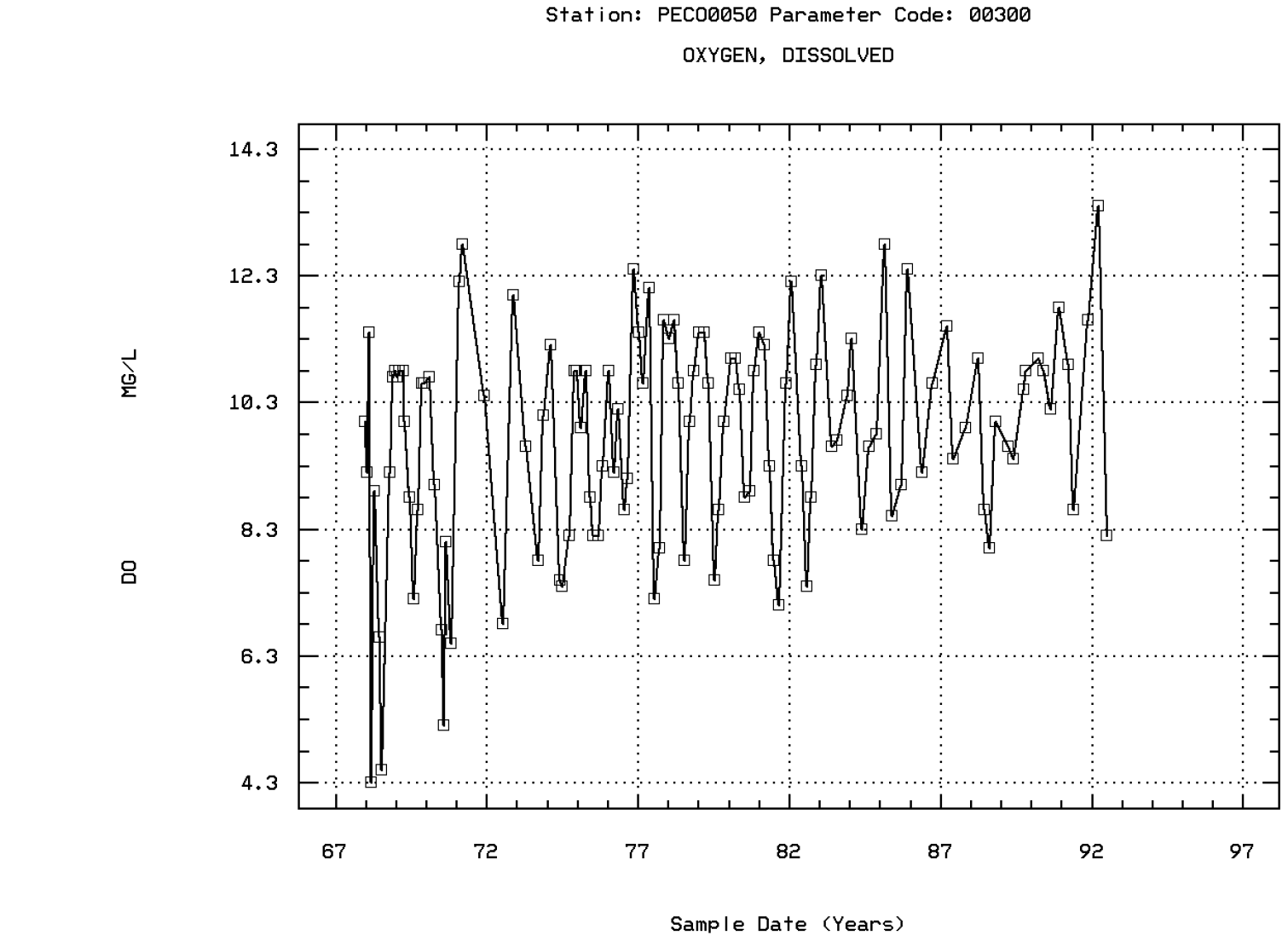
& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter



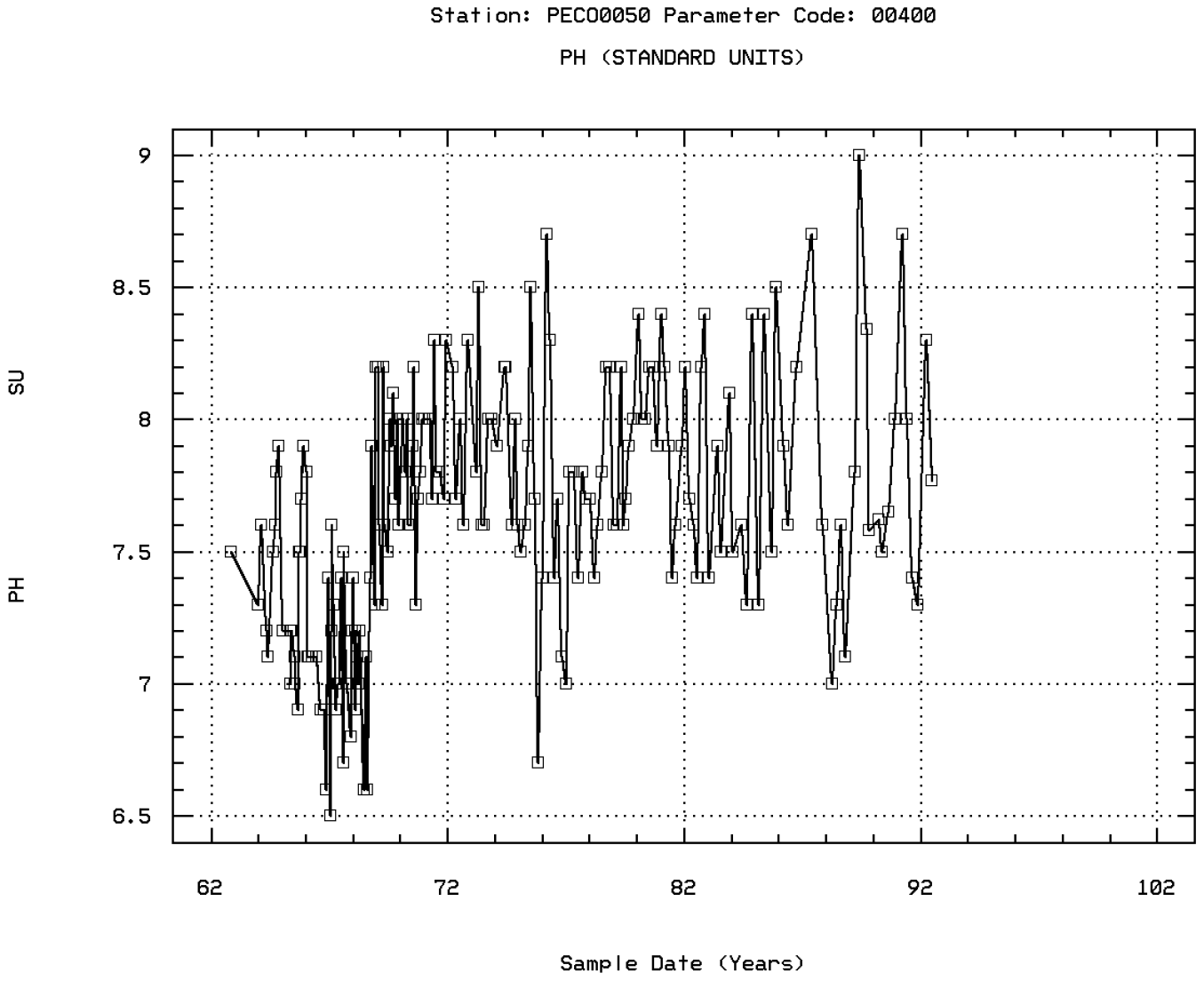
RIO MORA NEAR TERRERO, NM



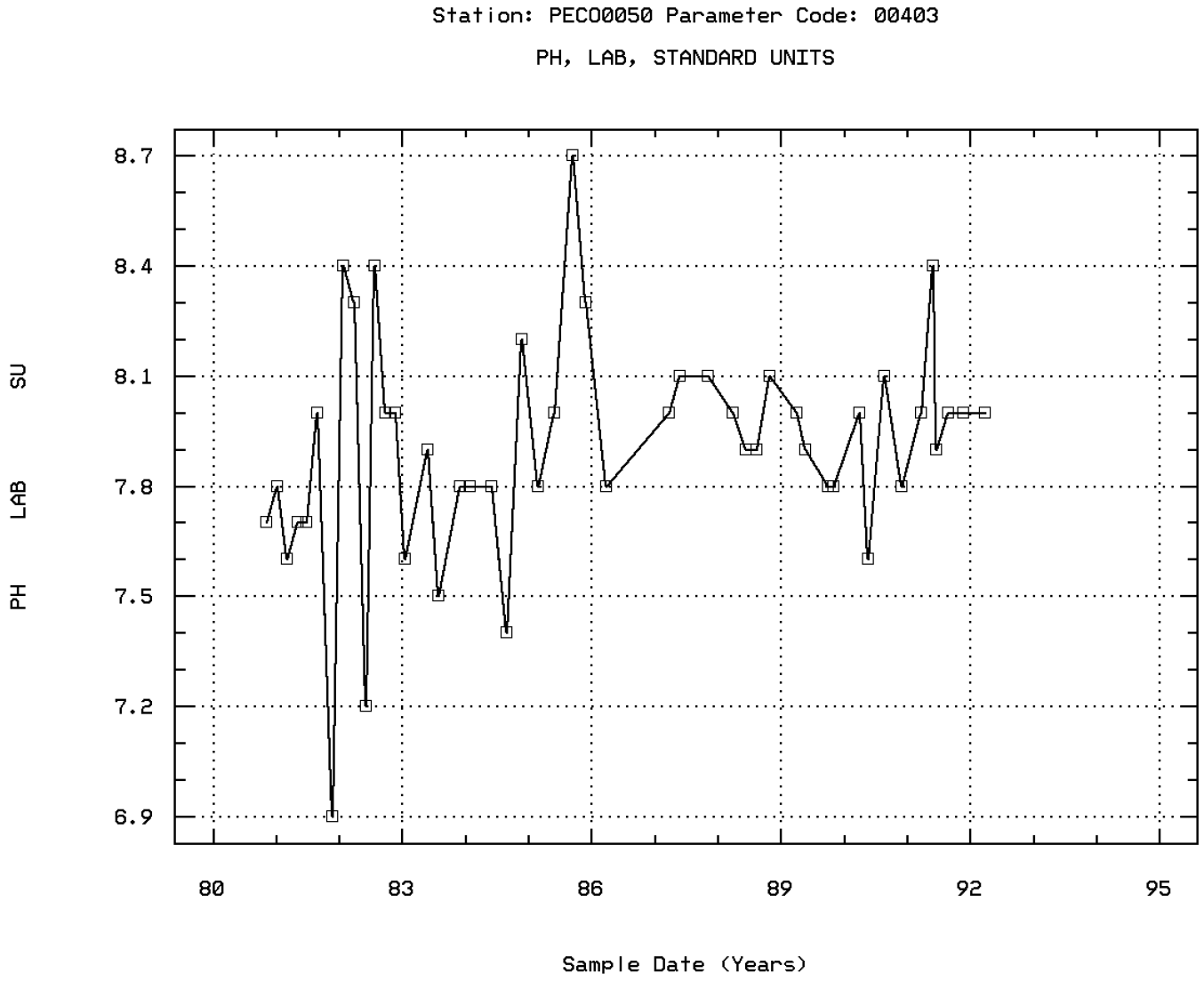
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RIO MORA NEAR TERRERO, NM



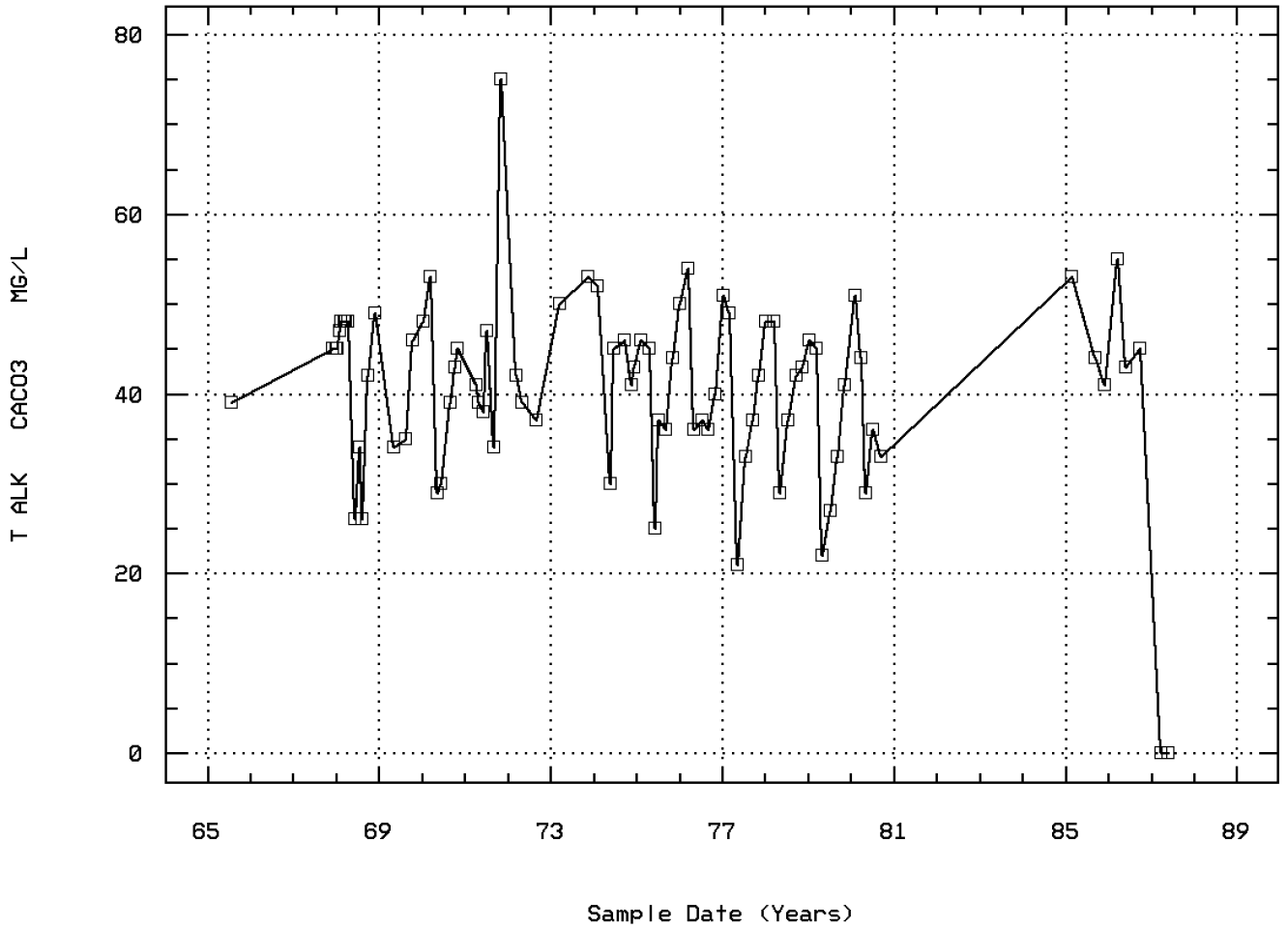
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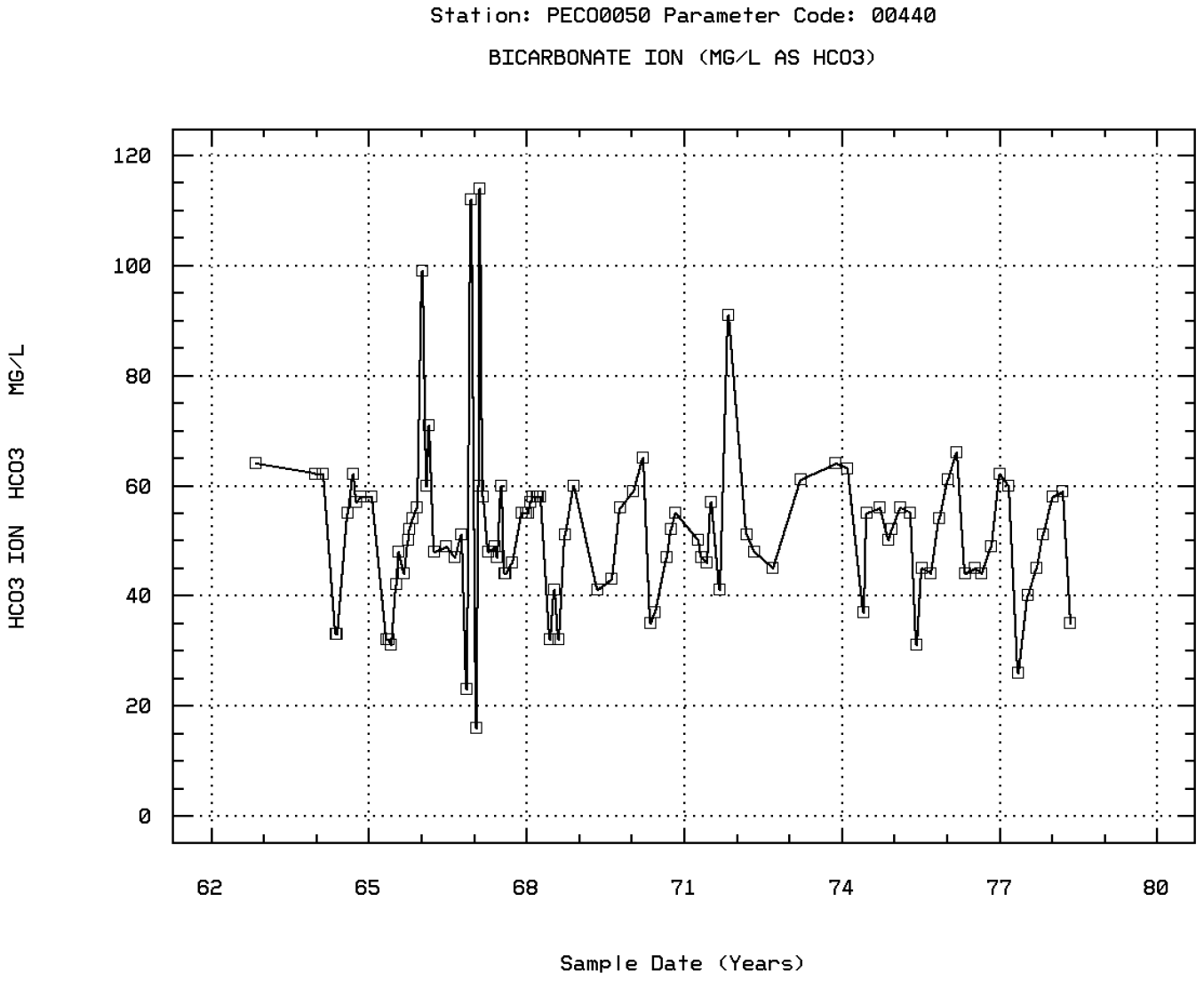
RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00410

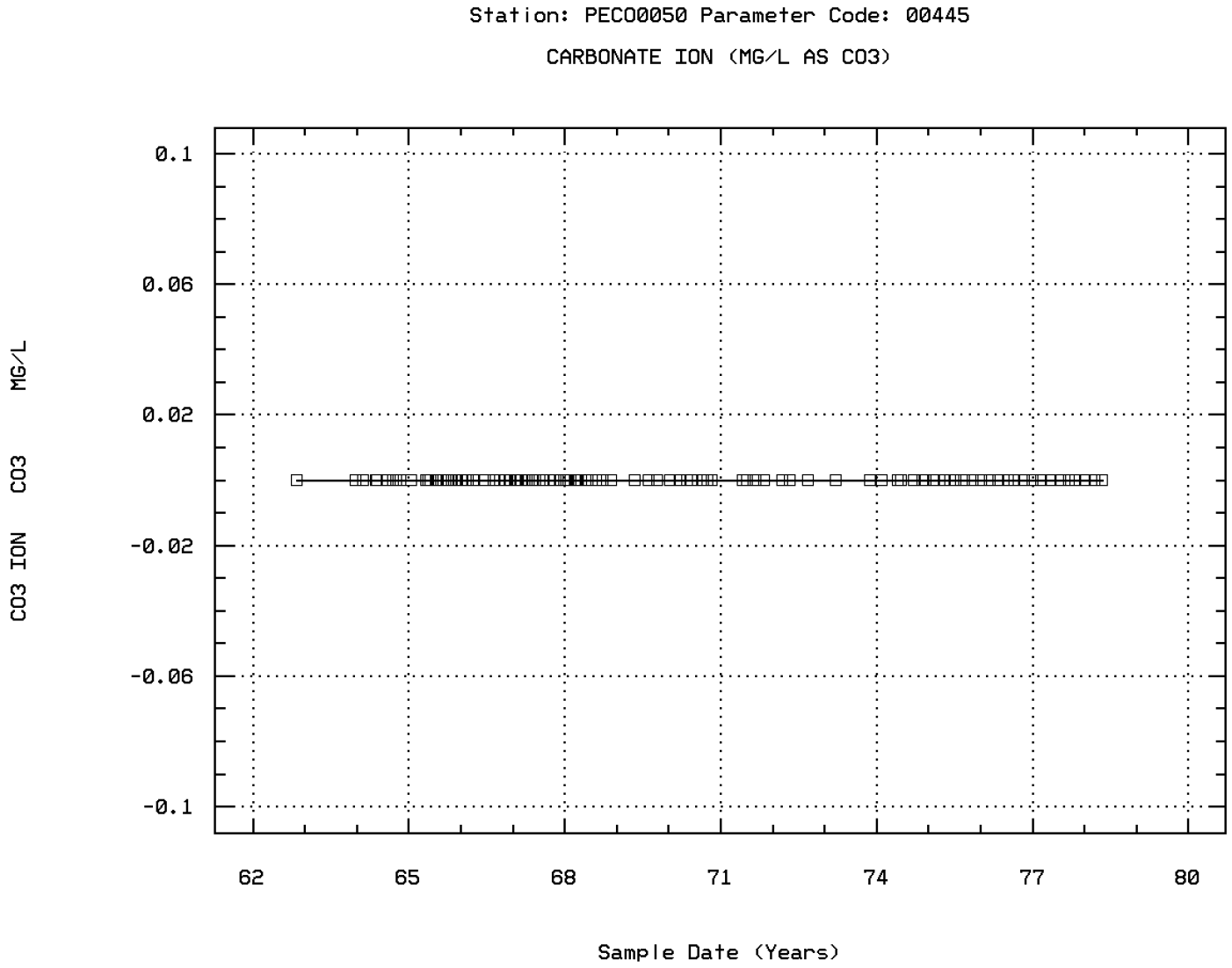
ALKALINITY, TOTAL (MG/L AS CACO3)



RIO MORA NEAR TERRERO, NM



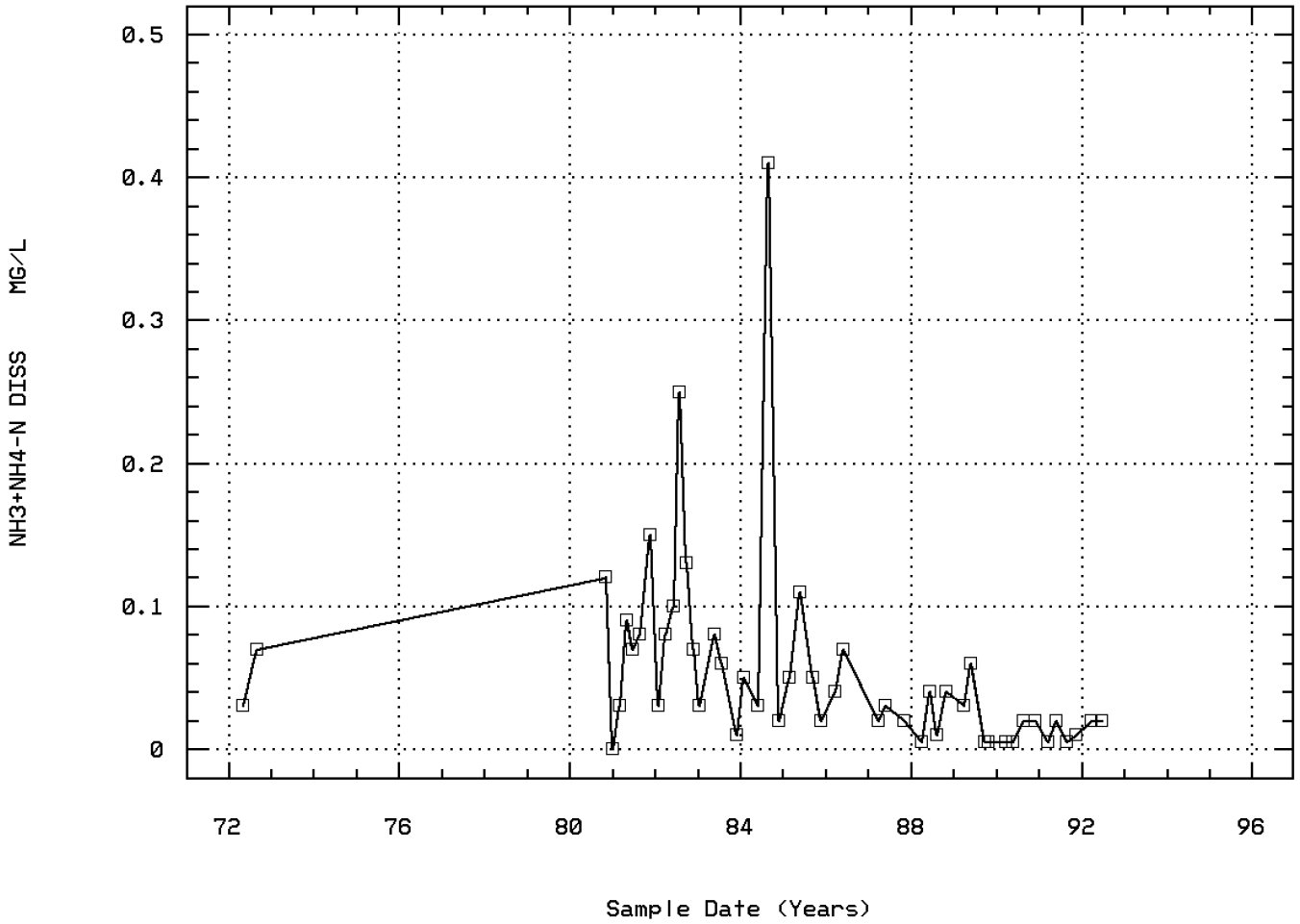
RIO MORA NEAR TERRERO, NM



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00608

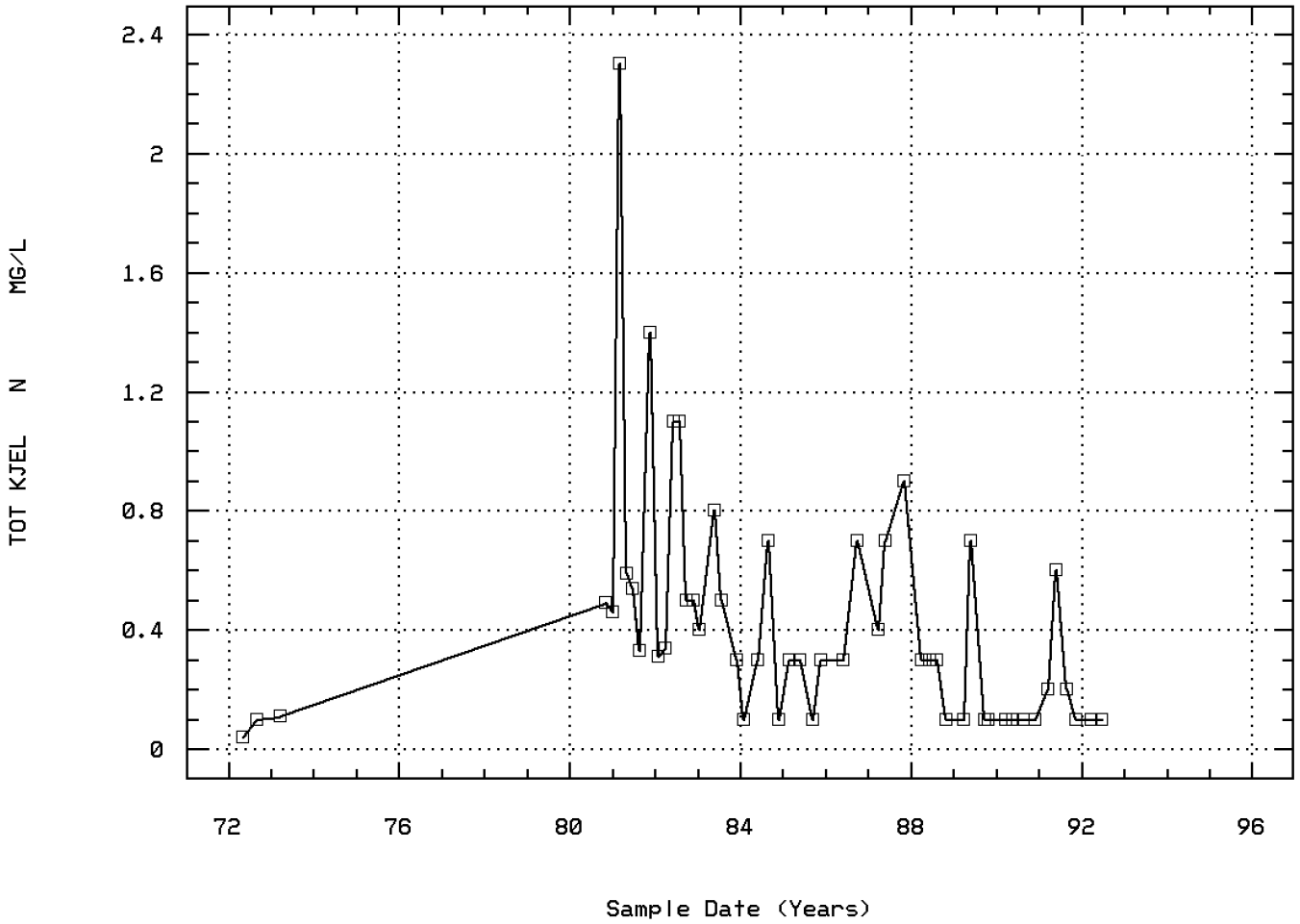
NITROGEN, AMMONIA, DISSOLVED (MG/L AS N



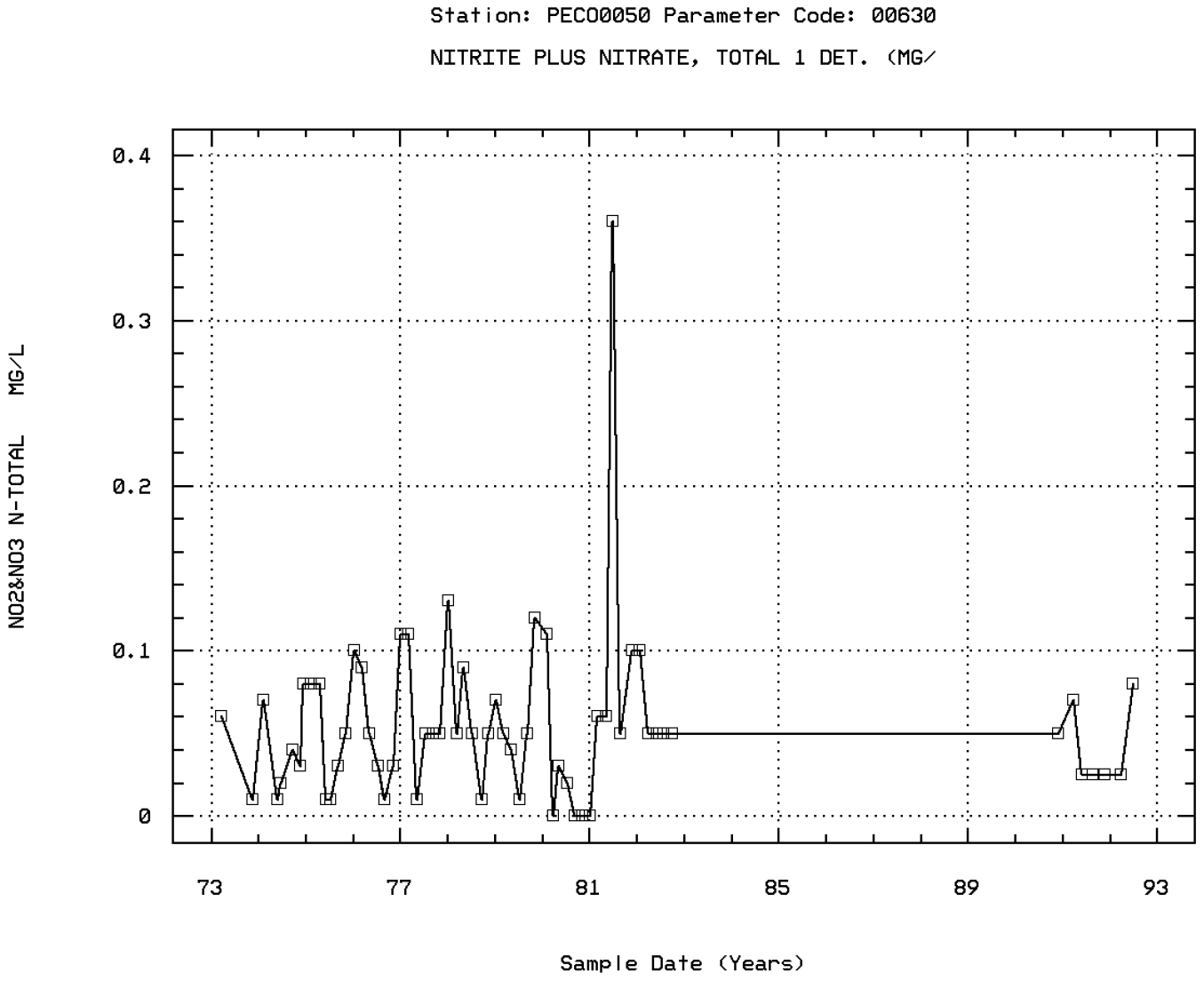
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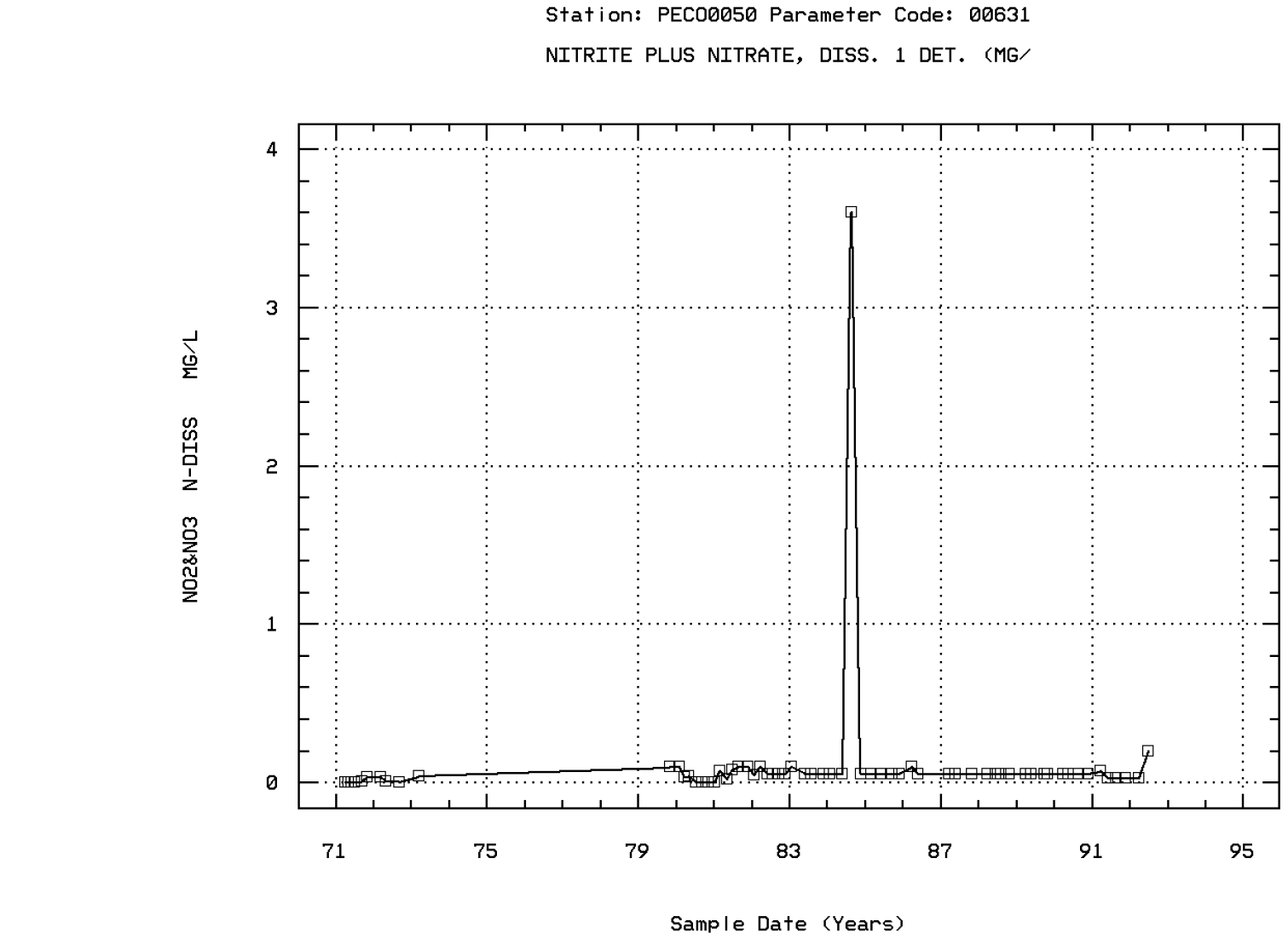
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RIO MORA NEAR TERRERO, NM



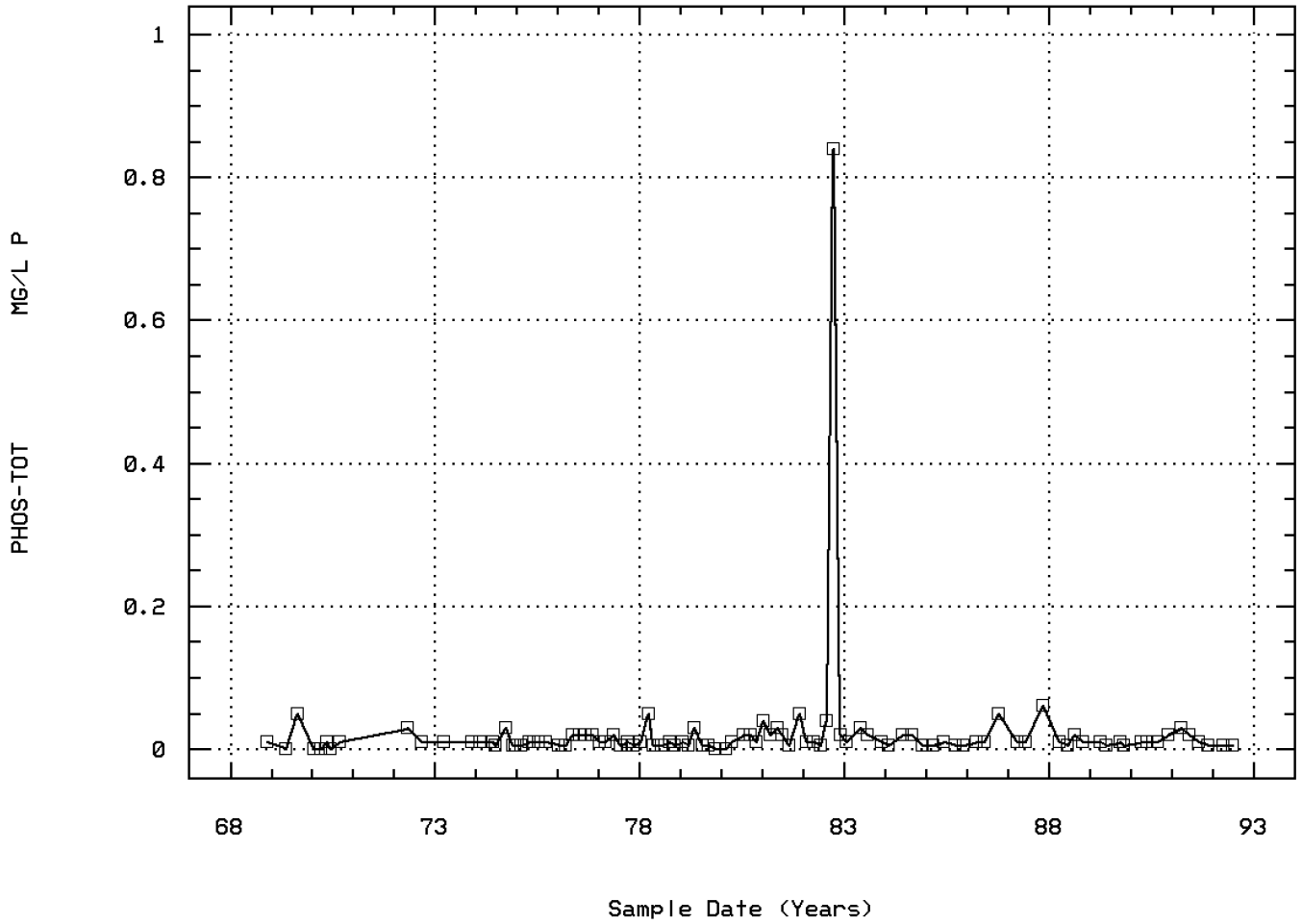
RIO MORA NEAR TERRERO, NM



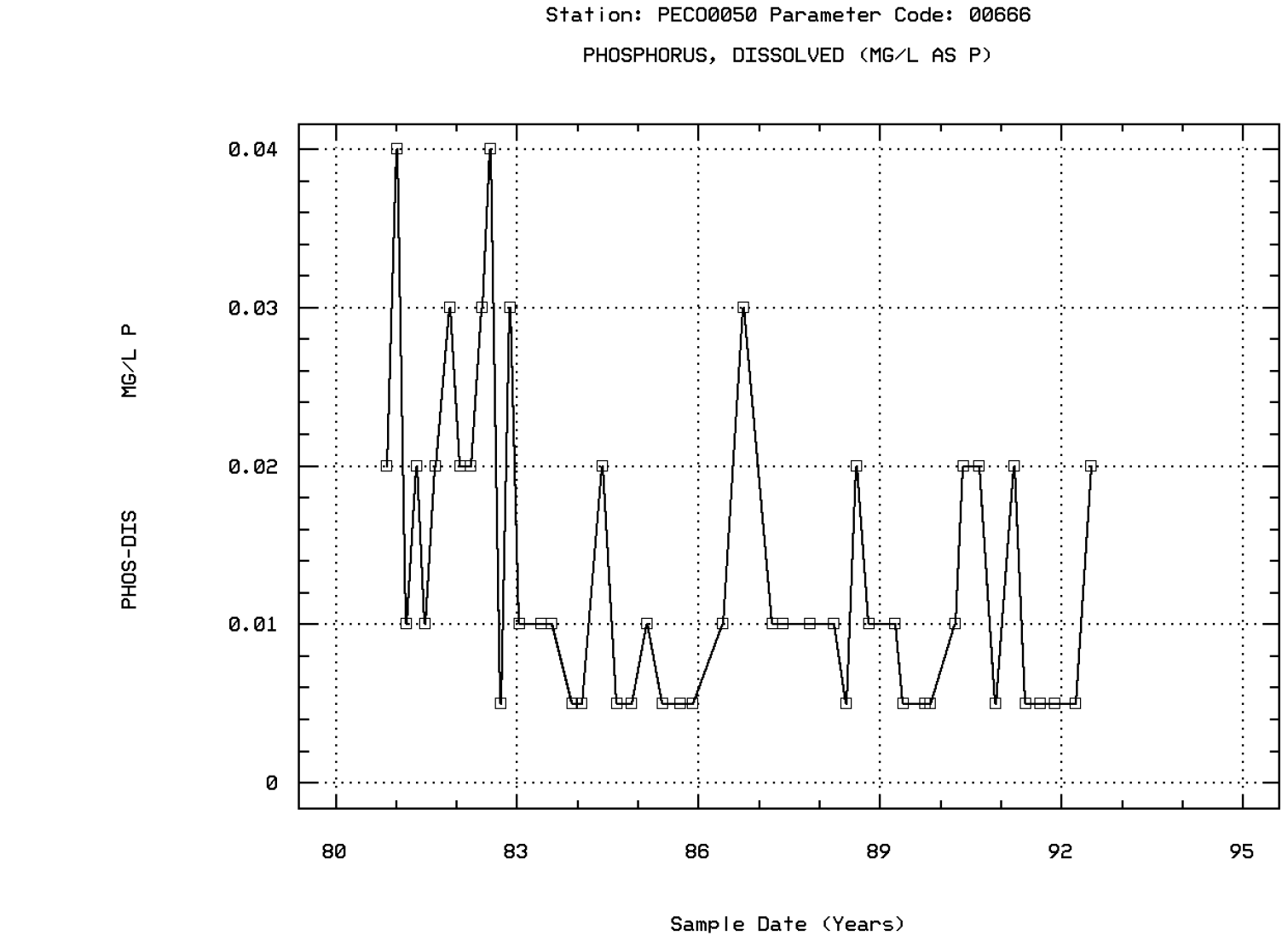
RIO MORA NEAR TERRERO, NM

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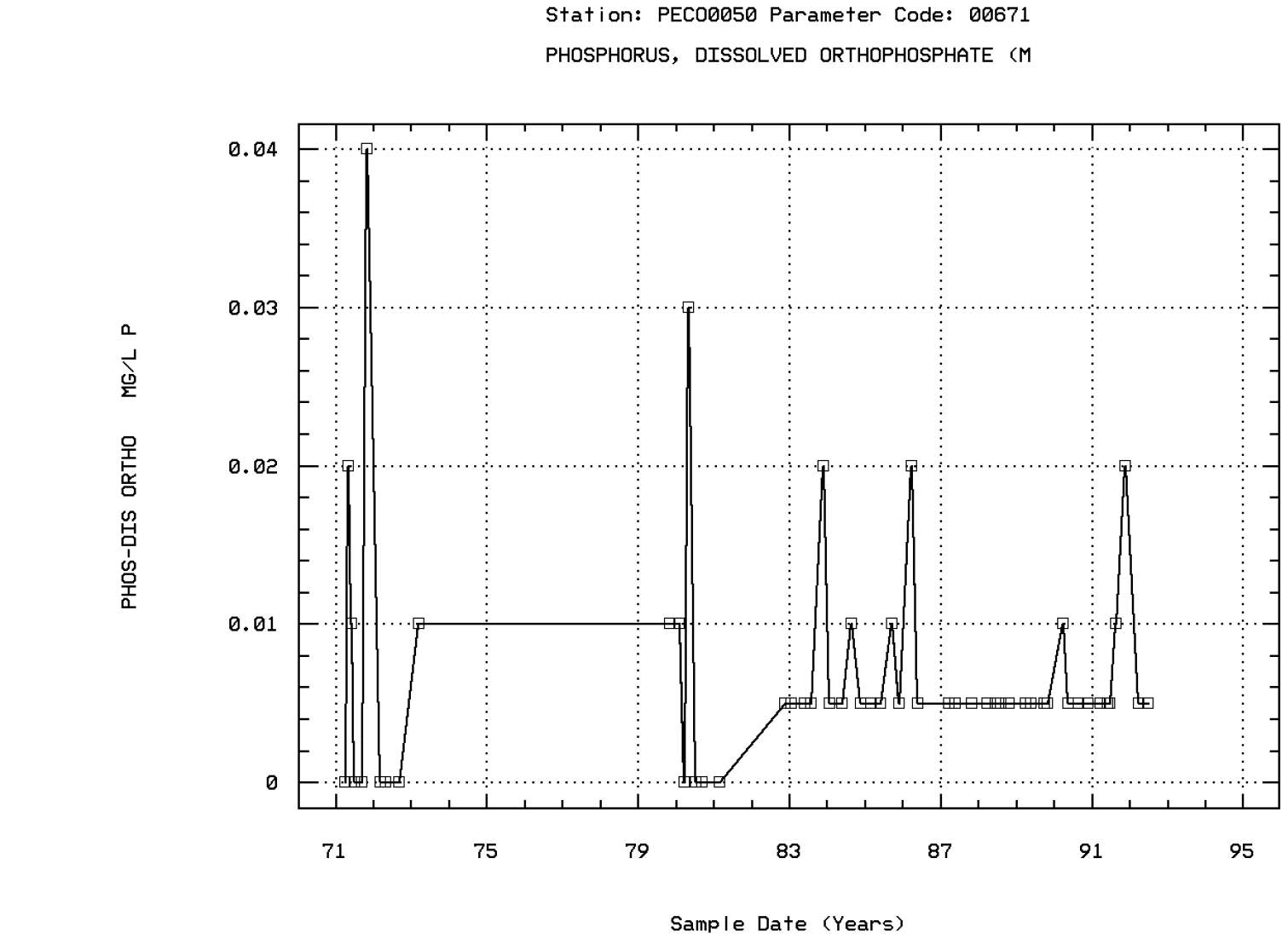
PHOSPHORUS, TOTAL (MG/L AS P)



RIO MORA NEAR TERRERO, NM



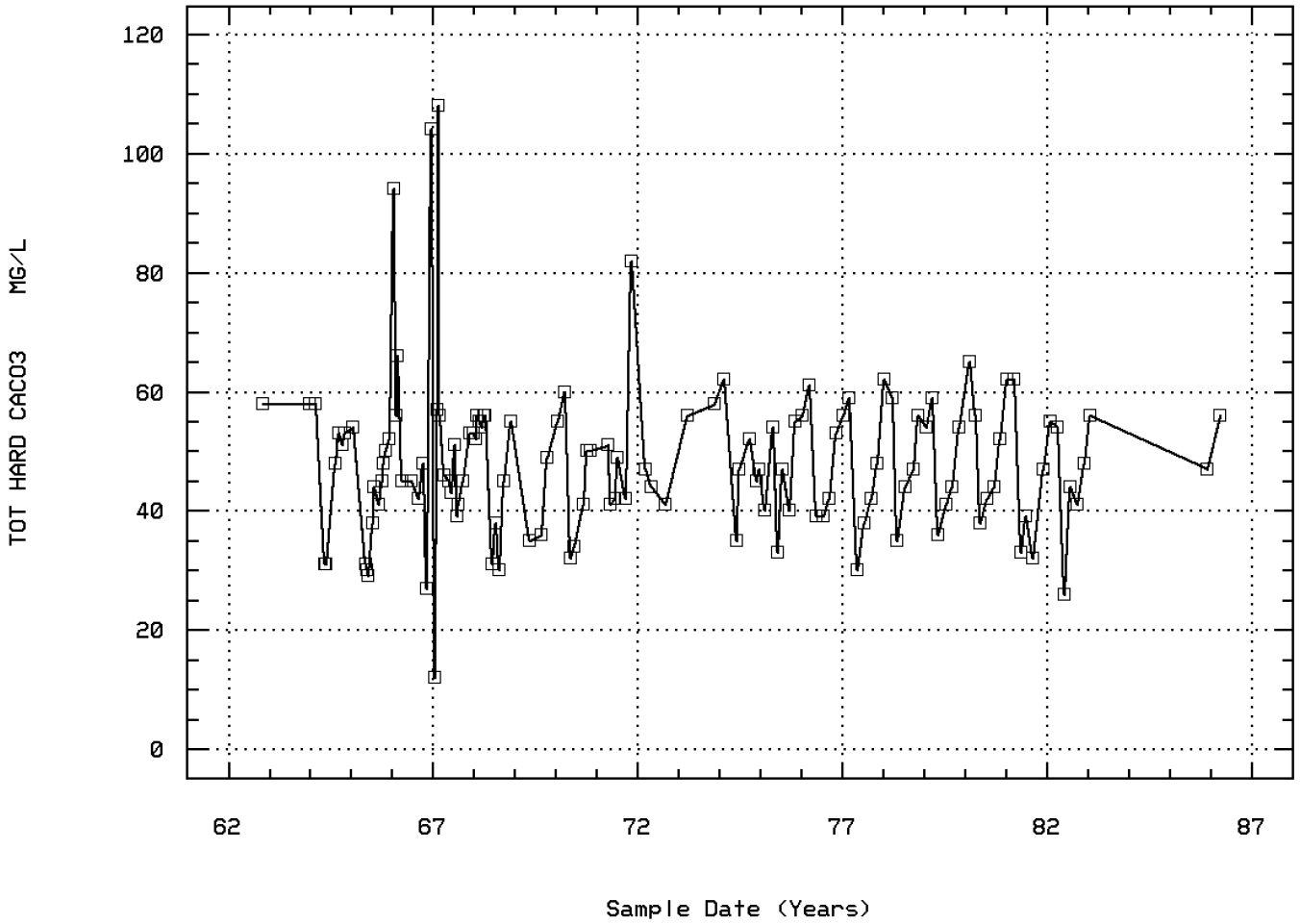
RIO MORA NEAR TERRERO, NM



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00900

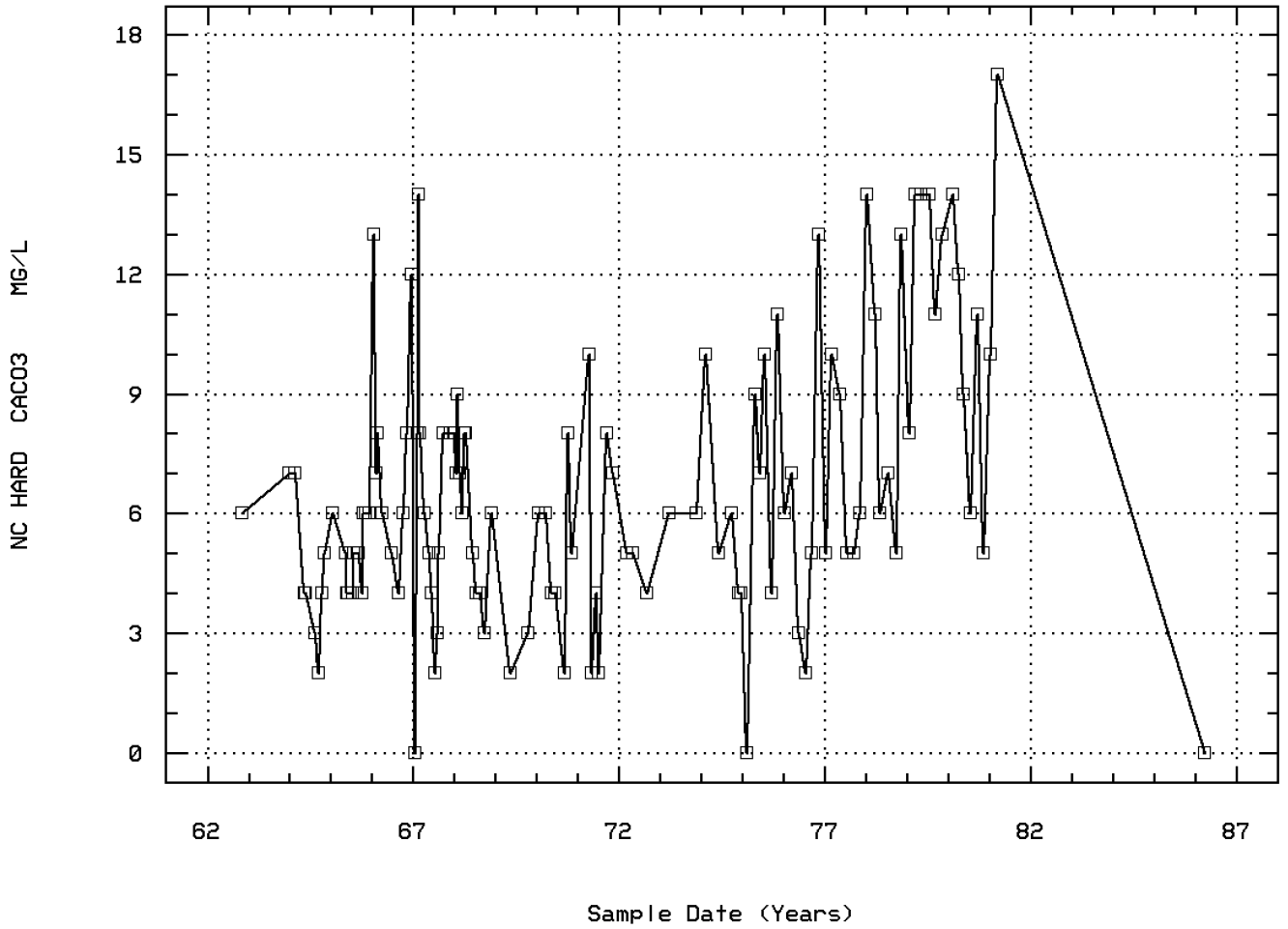
HARDNESS, TOTAL (MG/L AS CACO3)



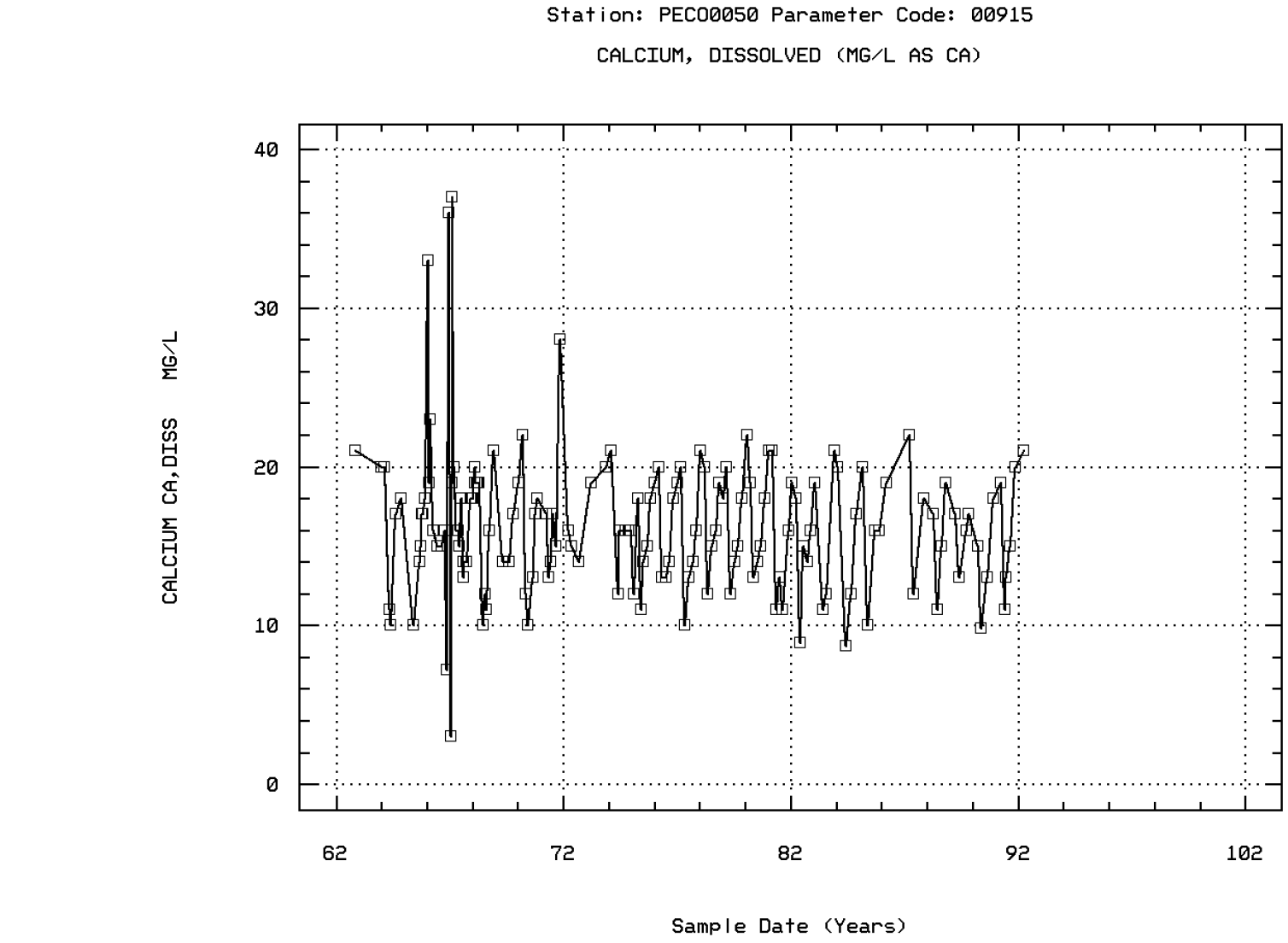
RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00902

HARDNESS, NON-CARBONATE (MG/L AS CACO3)



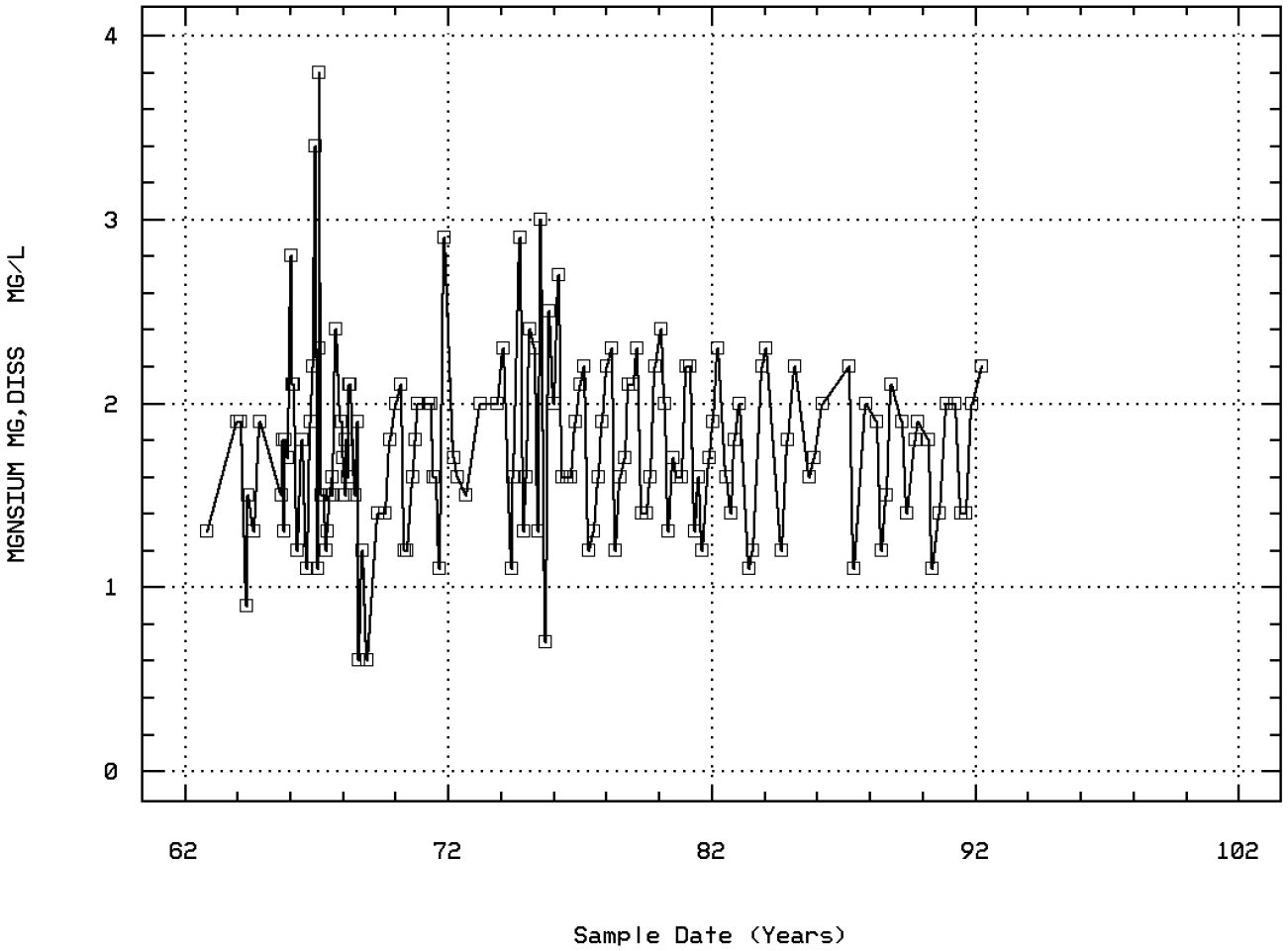
RIO MORA NEAR TERRERO, NM



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00925

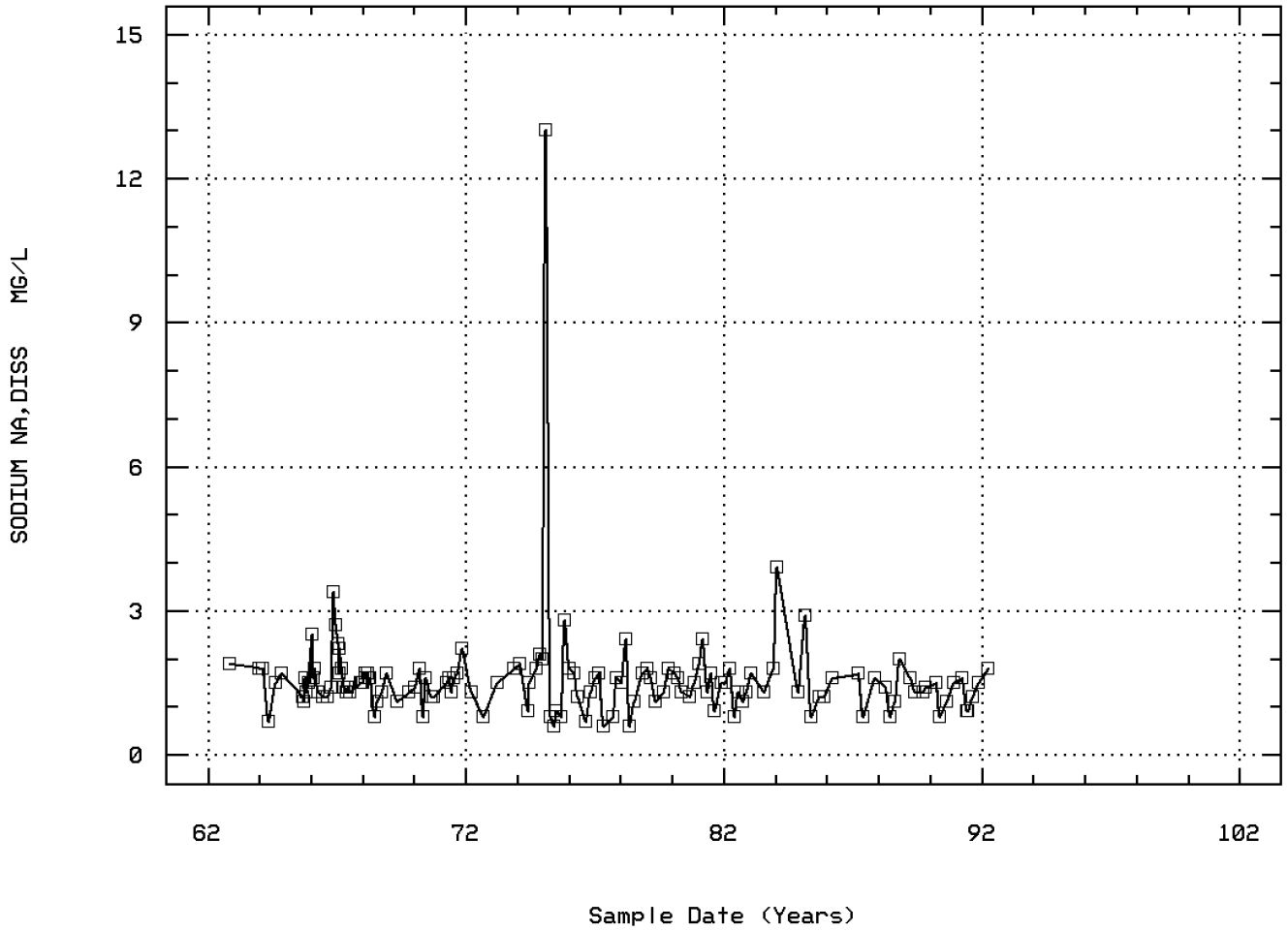
MAGNESIUM, DISSOLVED (MG/L AS MG)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00930

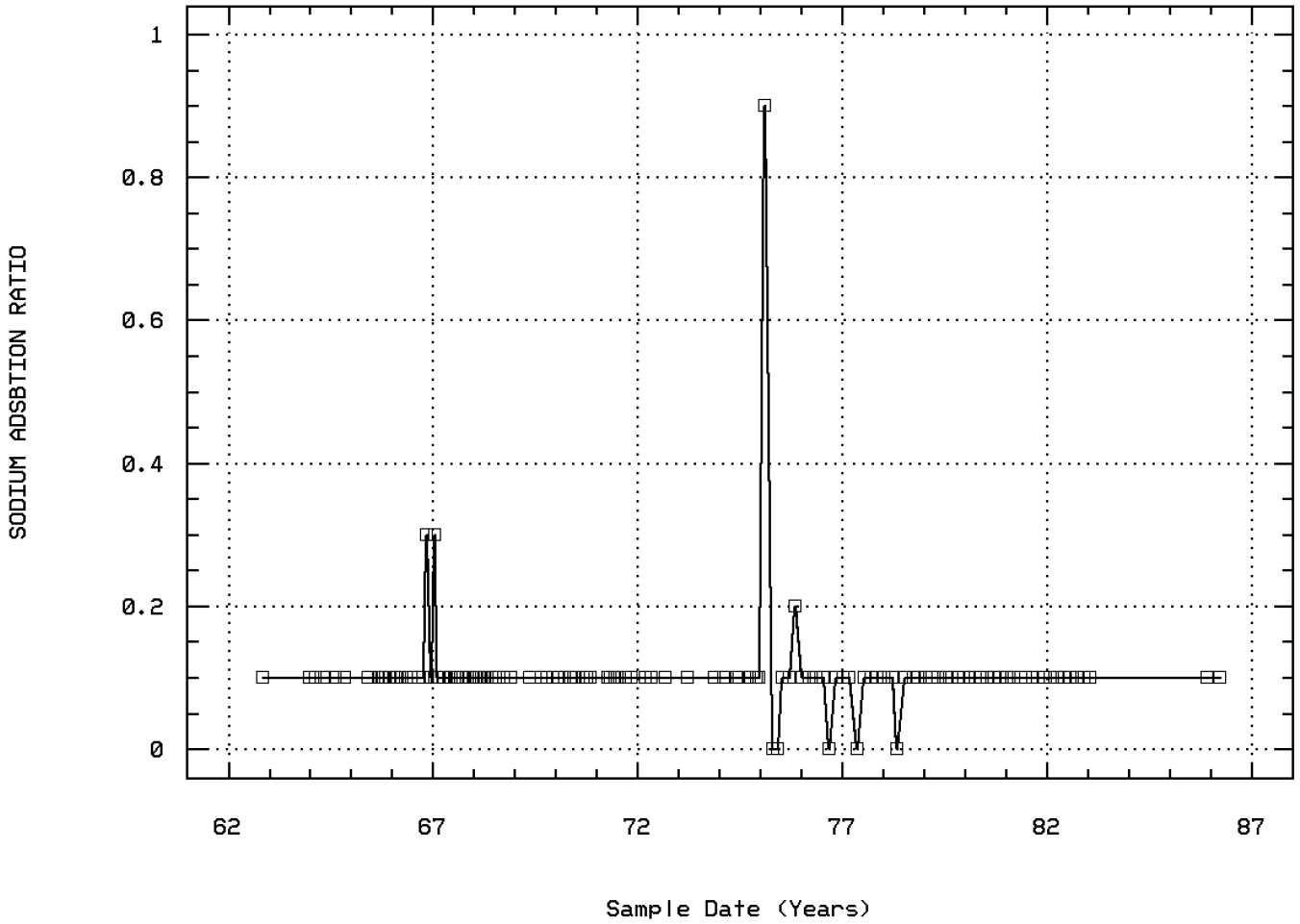
SODIUM, DISSOLVED (MG/L AS NA)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00931

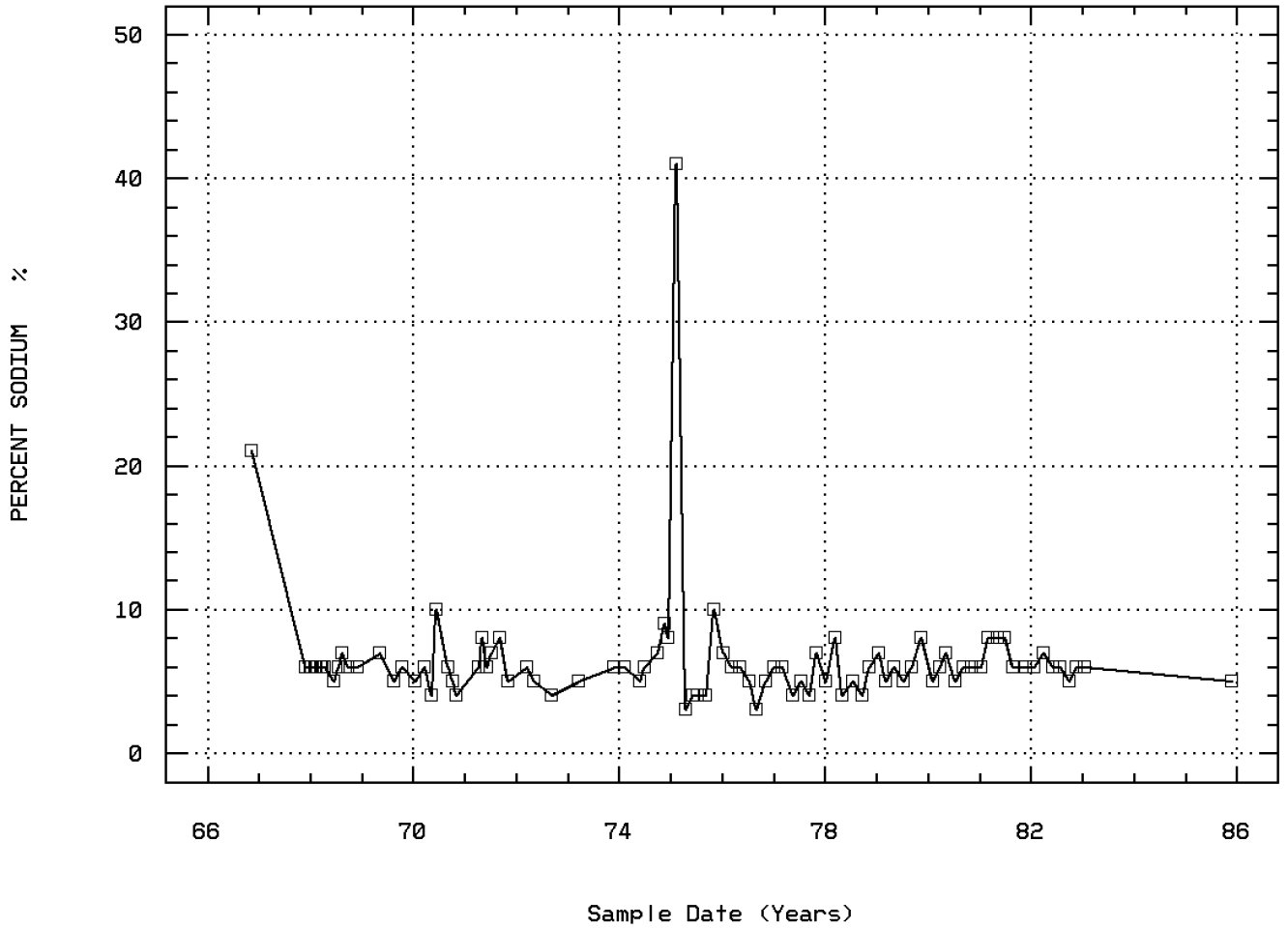
SODIUM ADSORPTION RATIO



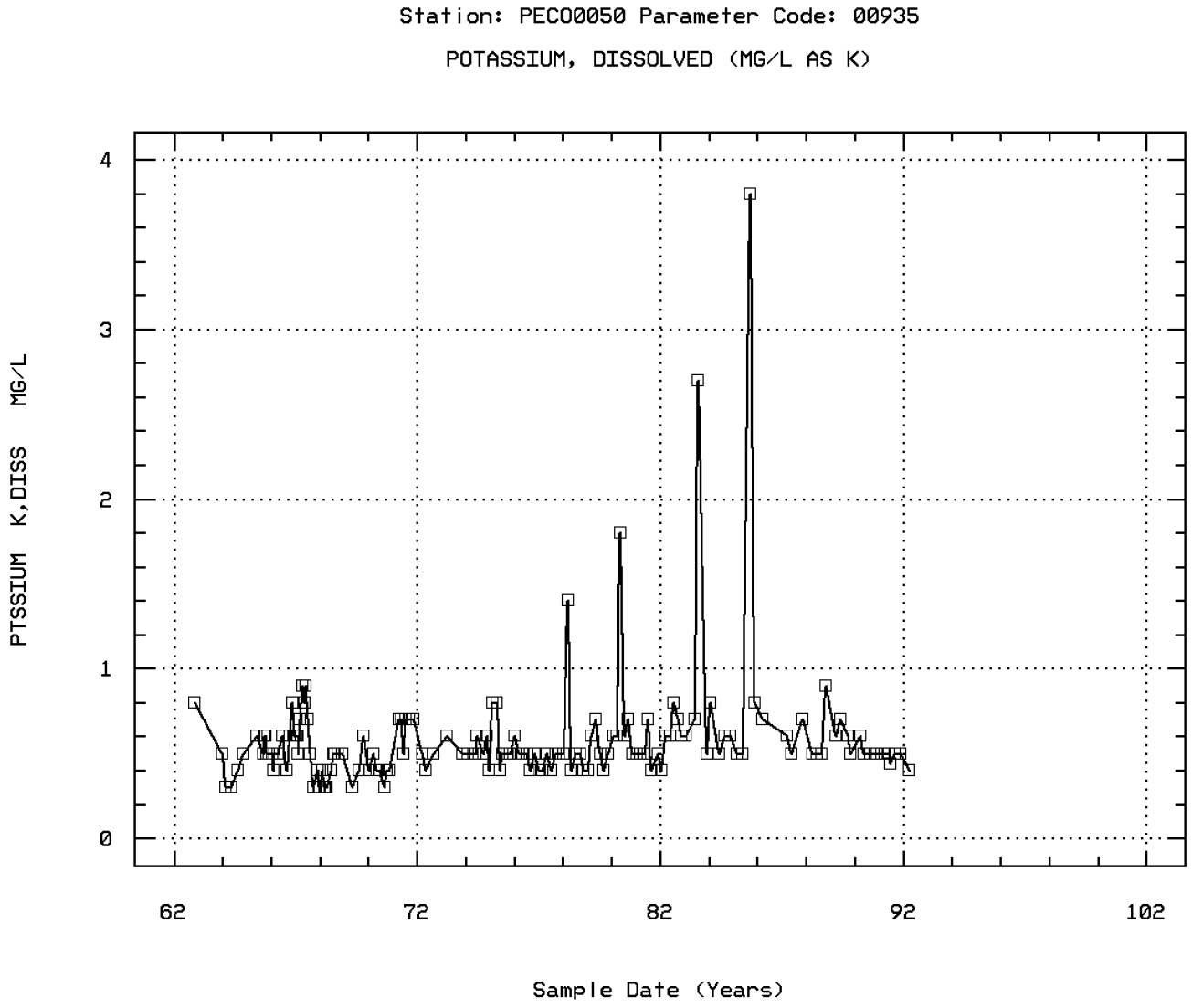
RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00932

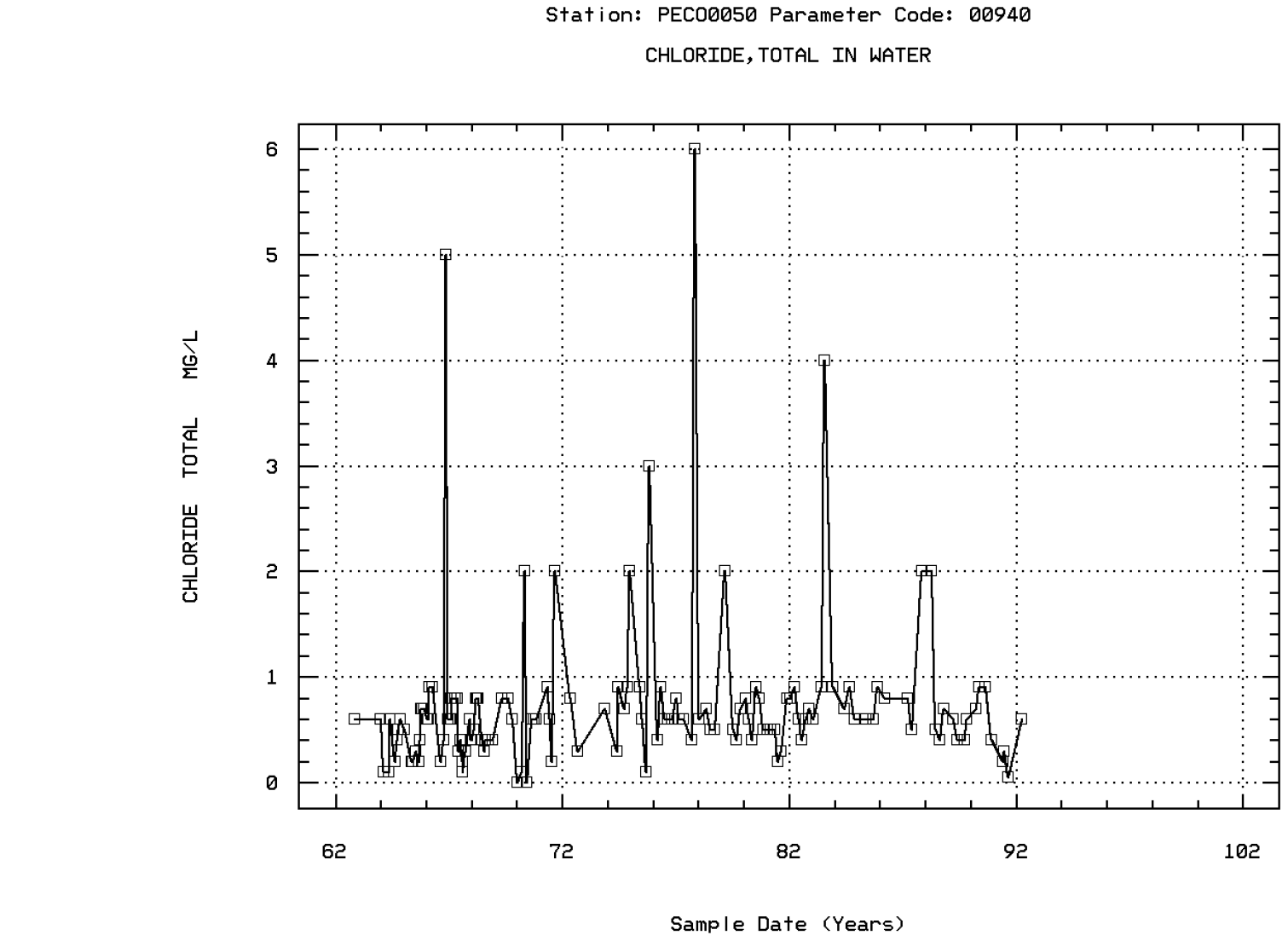
SODIUM, PERCENT



RIO MORA NEAR TERRERO, NM



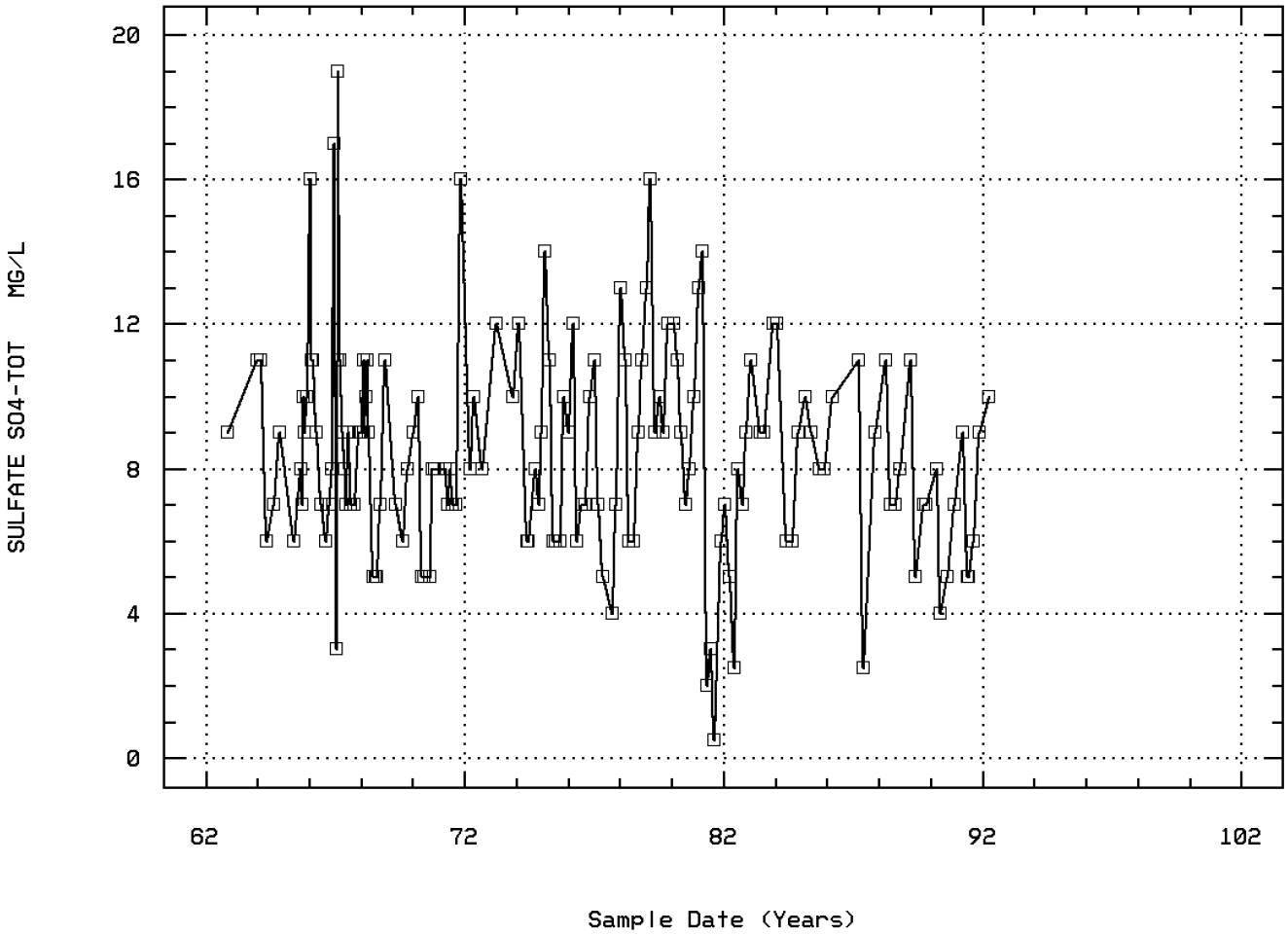
RIO MORA NEAR TERRERO, NM



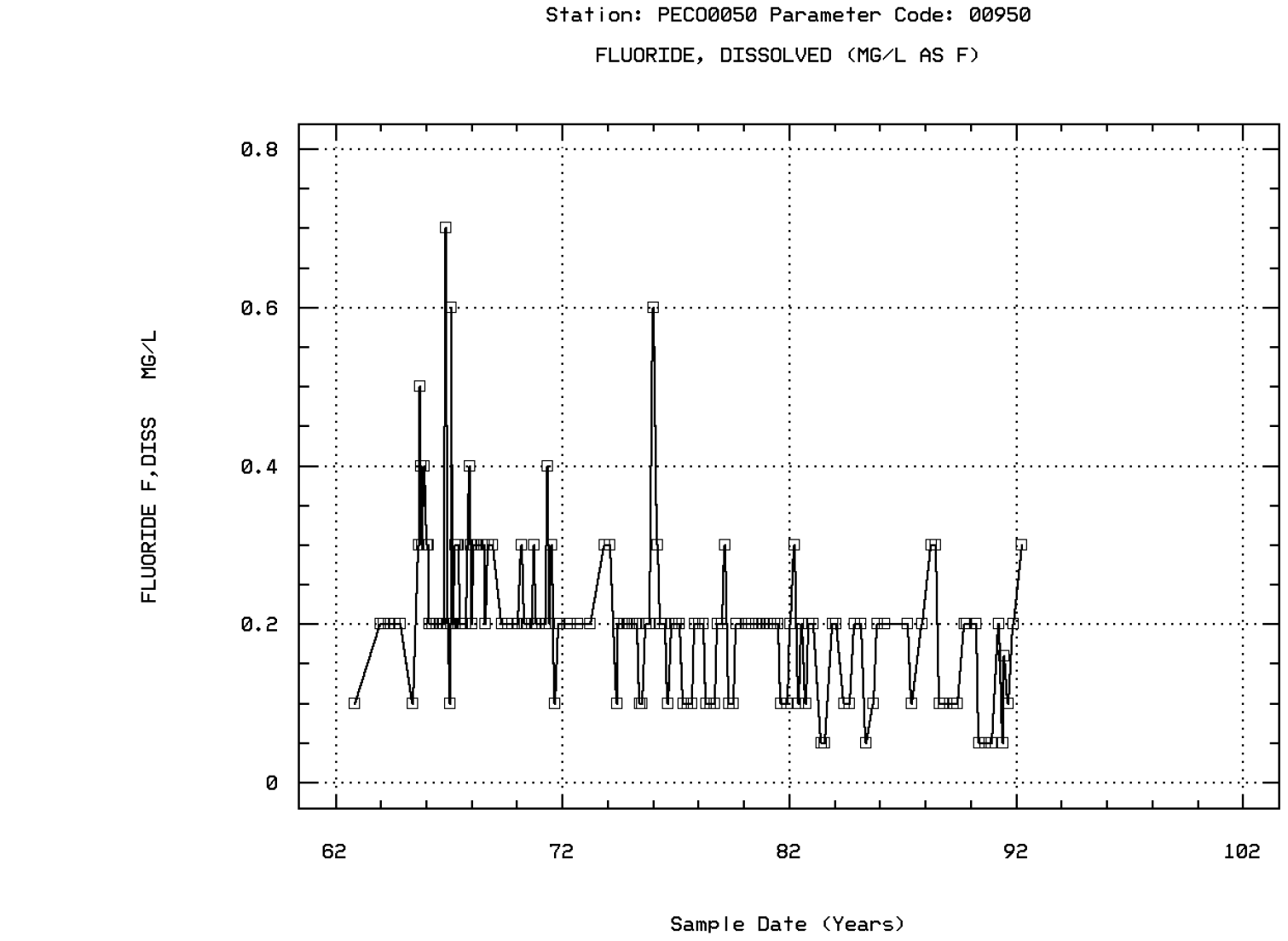
RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00945

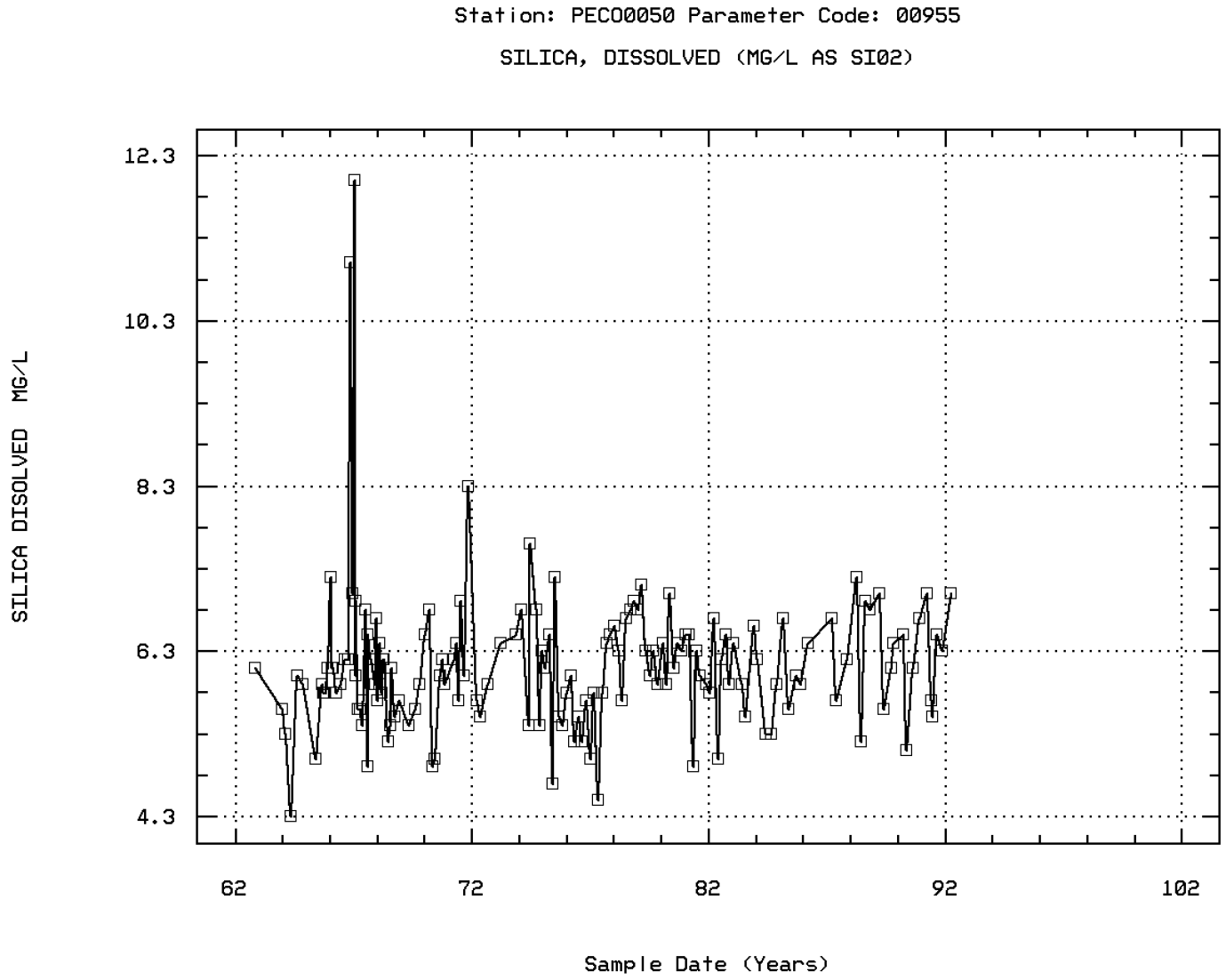
SULFATE, TOTAL (MG/L AS SO4)



RIO MORA NEAR TERRERO, NM



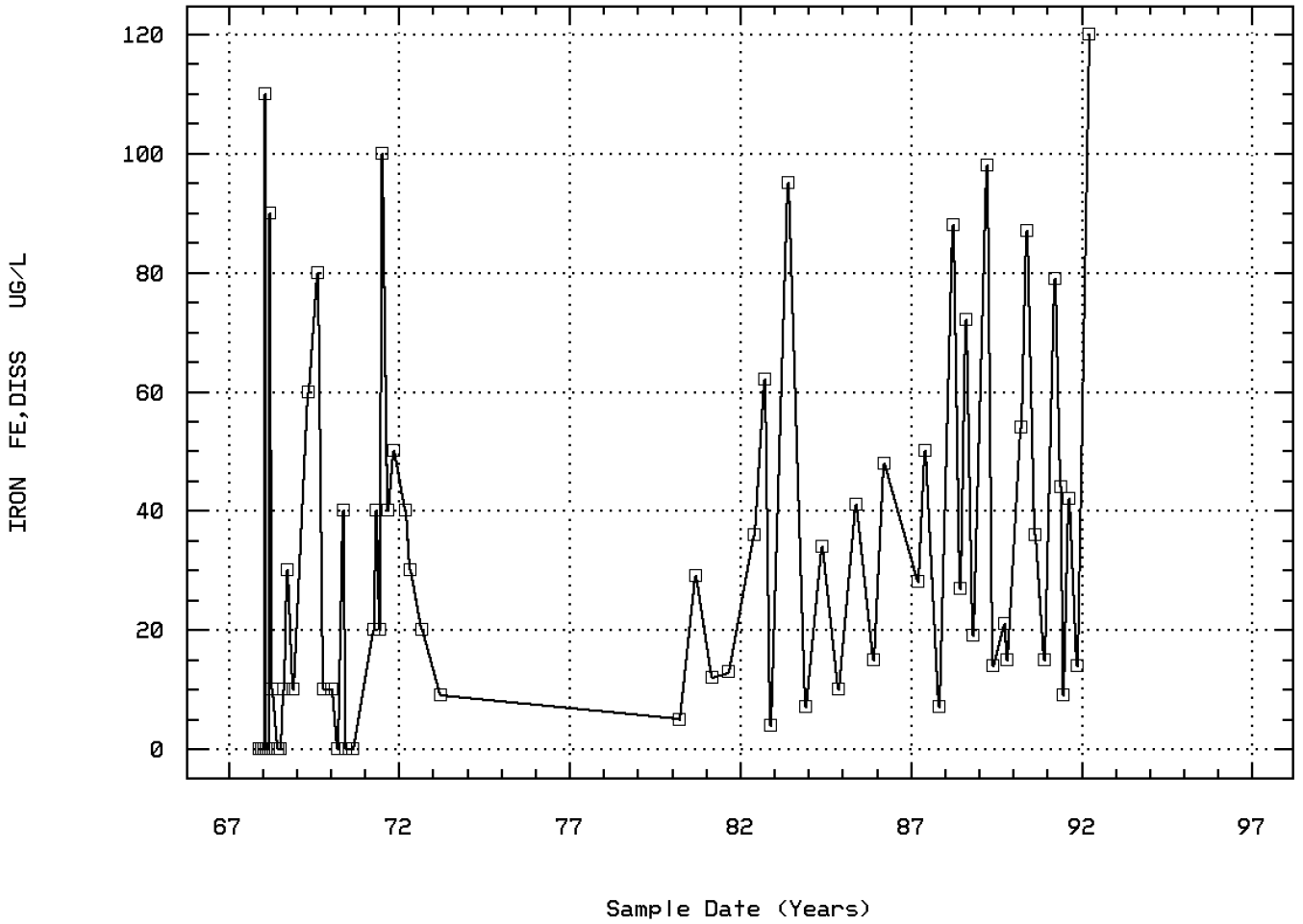
RIO MORA NEAR TERRERO, NM



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 01046

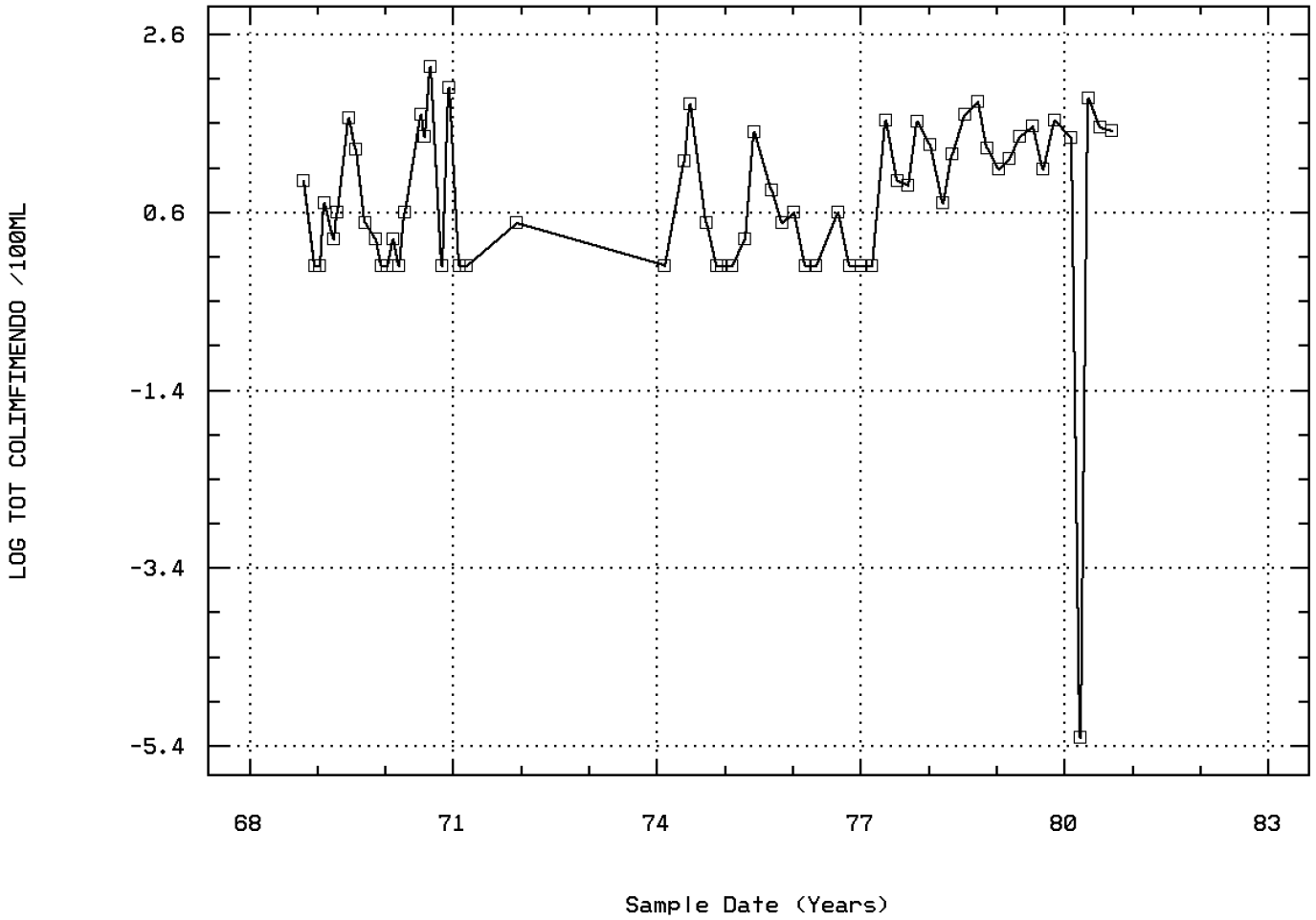
IRON, DISSOLVED (UG/L AS FE)



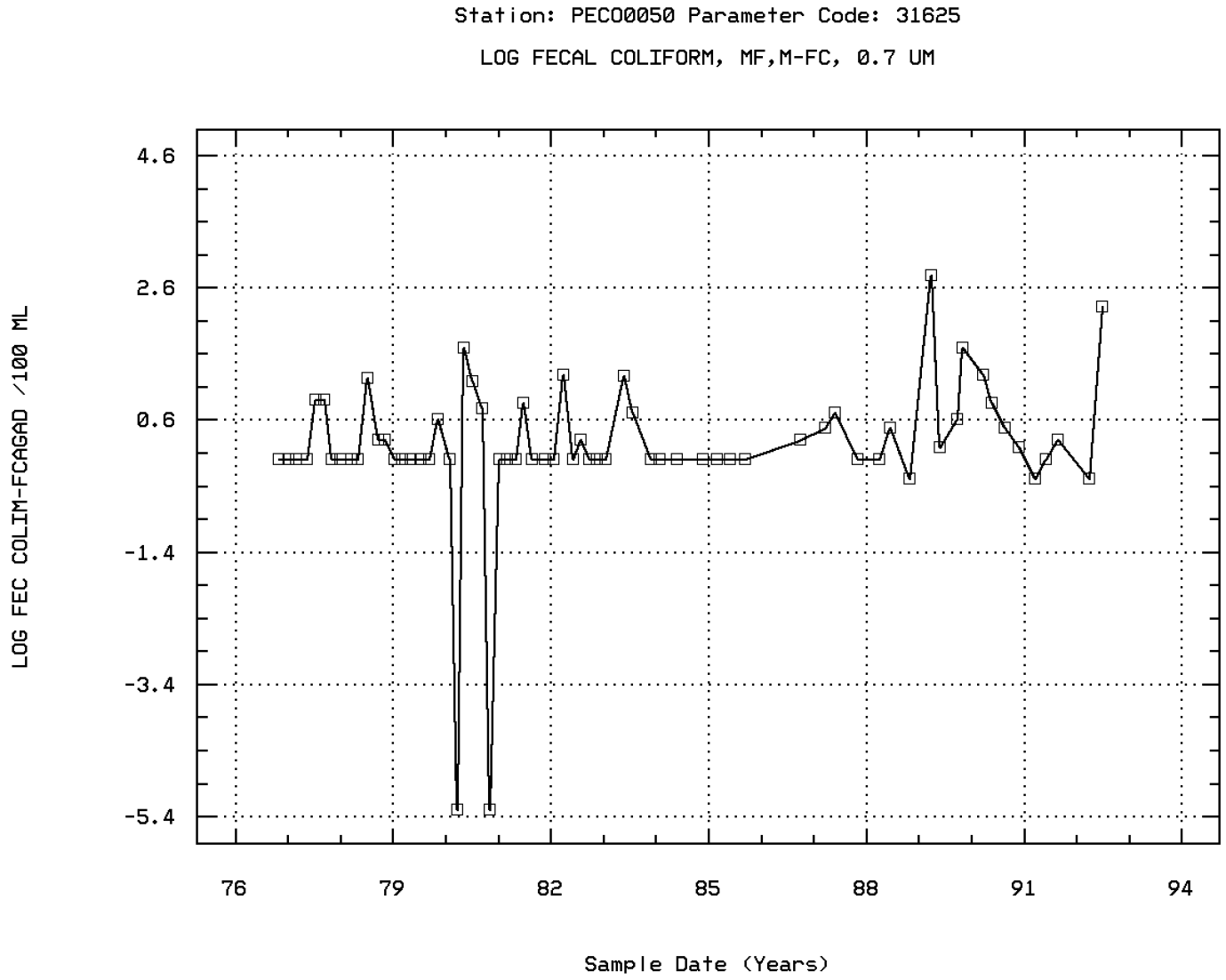
RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 31501

LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.



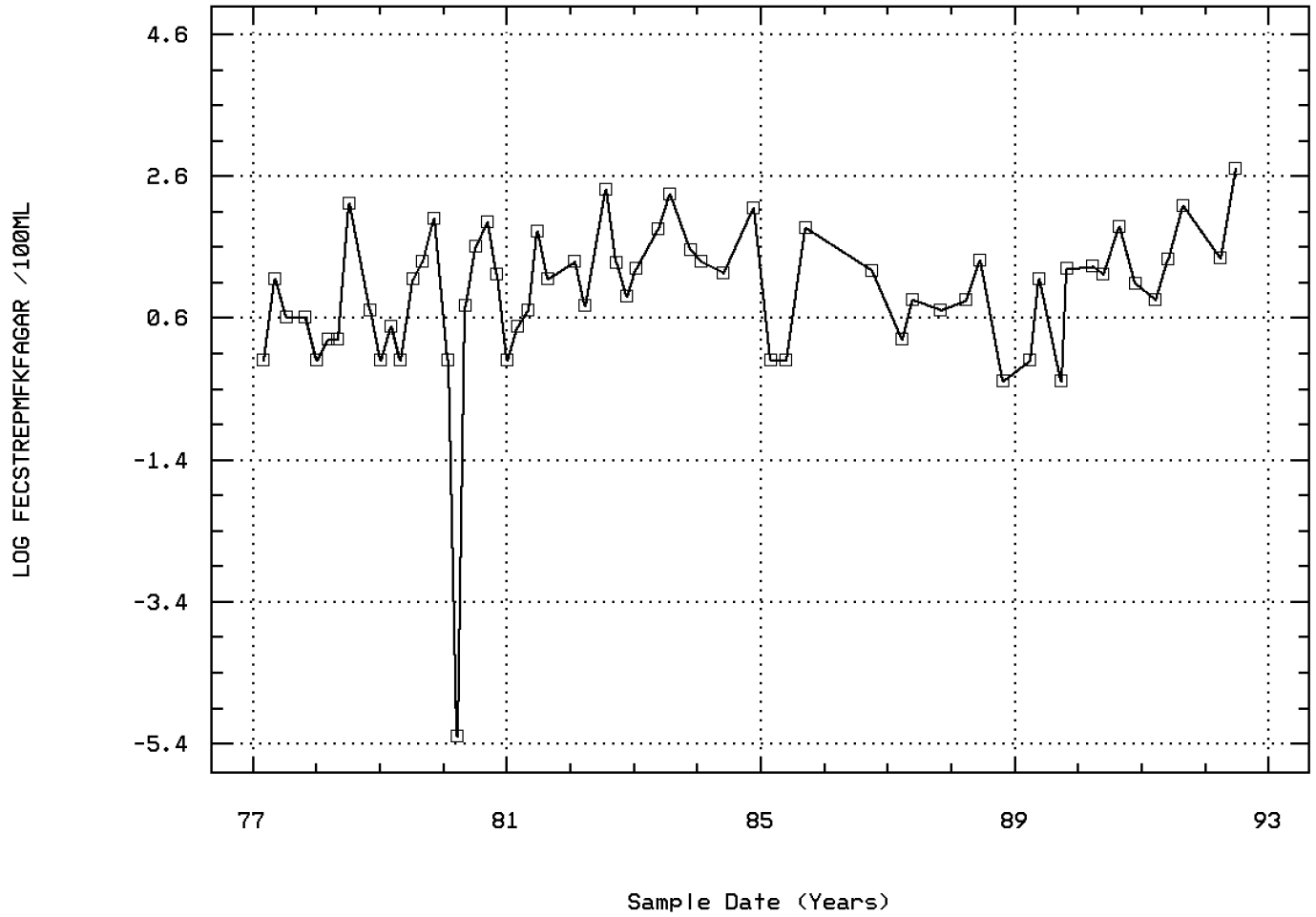
RIO MORA NEAR TERRERO, NM



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 31673

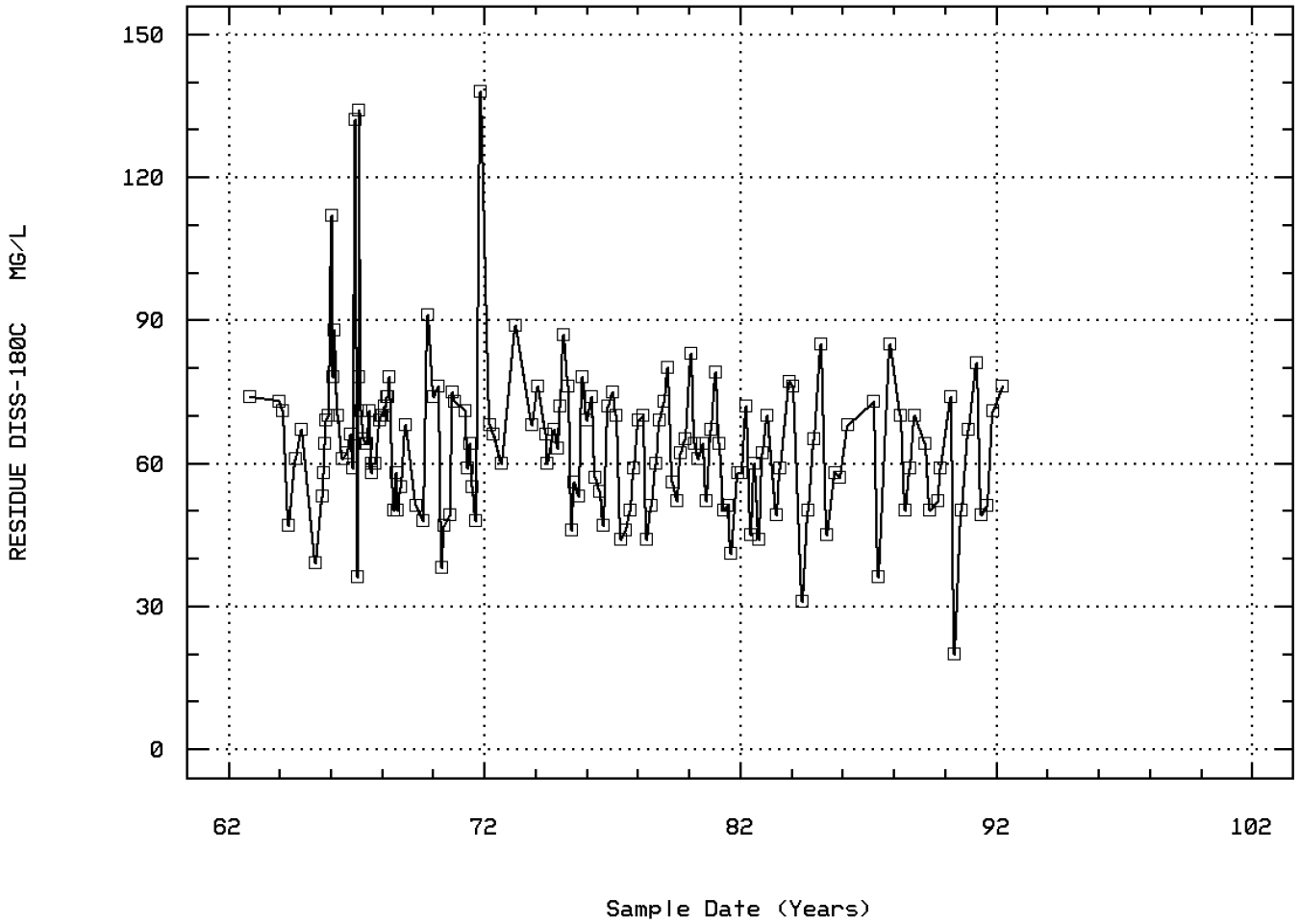
LOG FECAL STREPTOCOCCI, MBR FILT,KF AGA



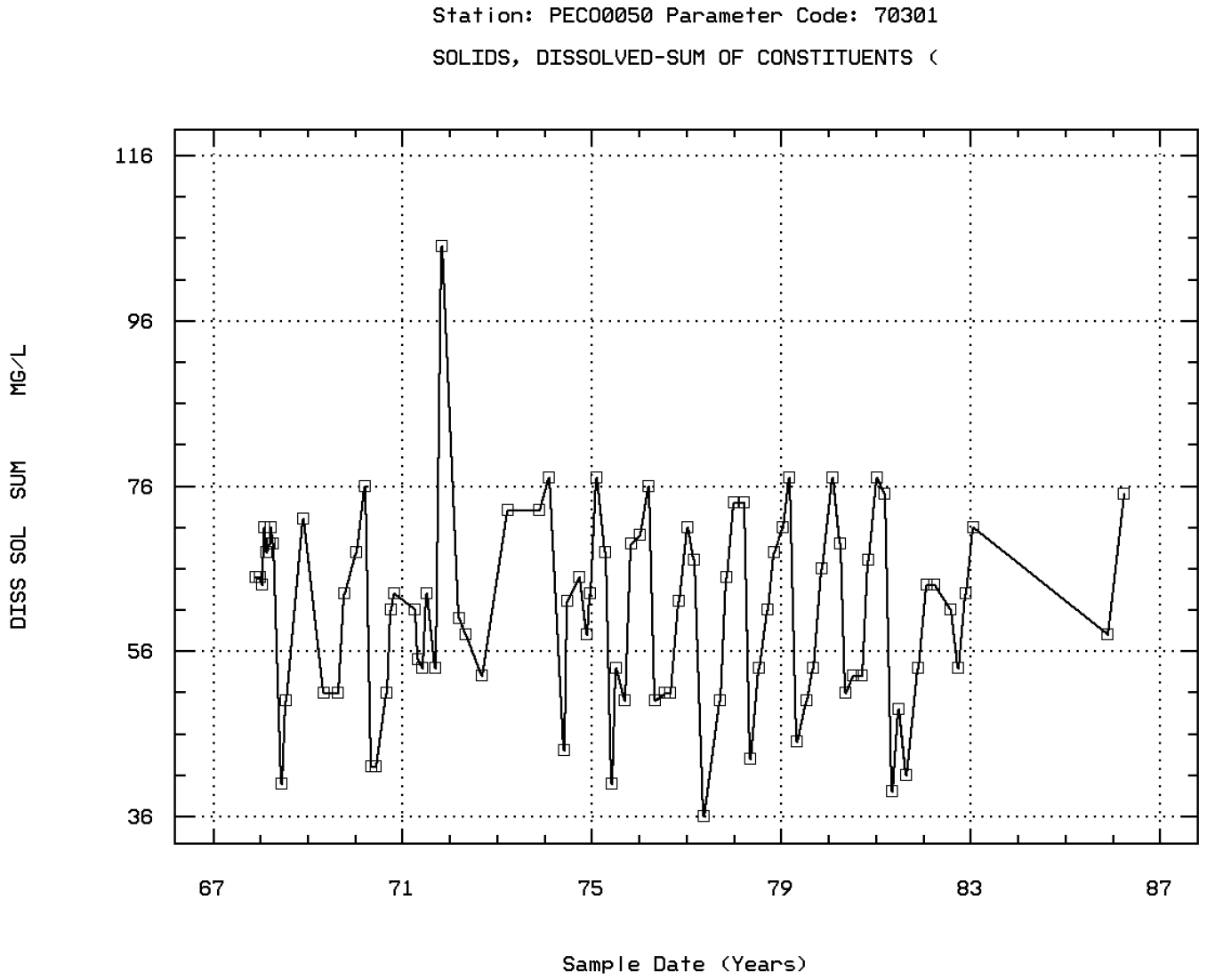
RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 70300

RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



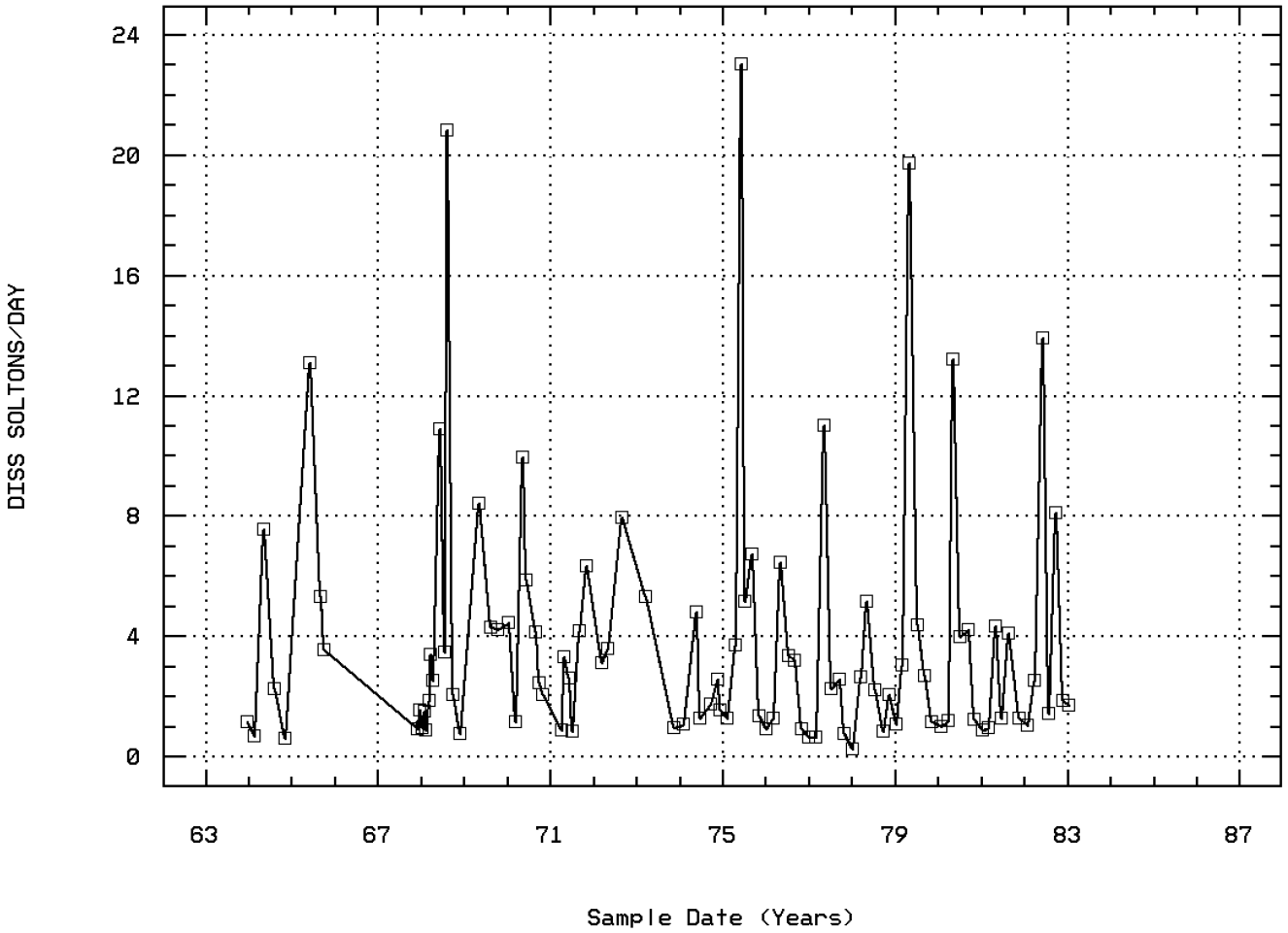
RIO MORA NEAR TERRERO, NM



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 70302

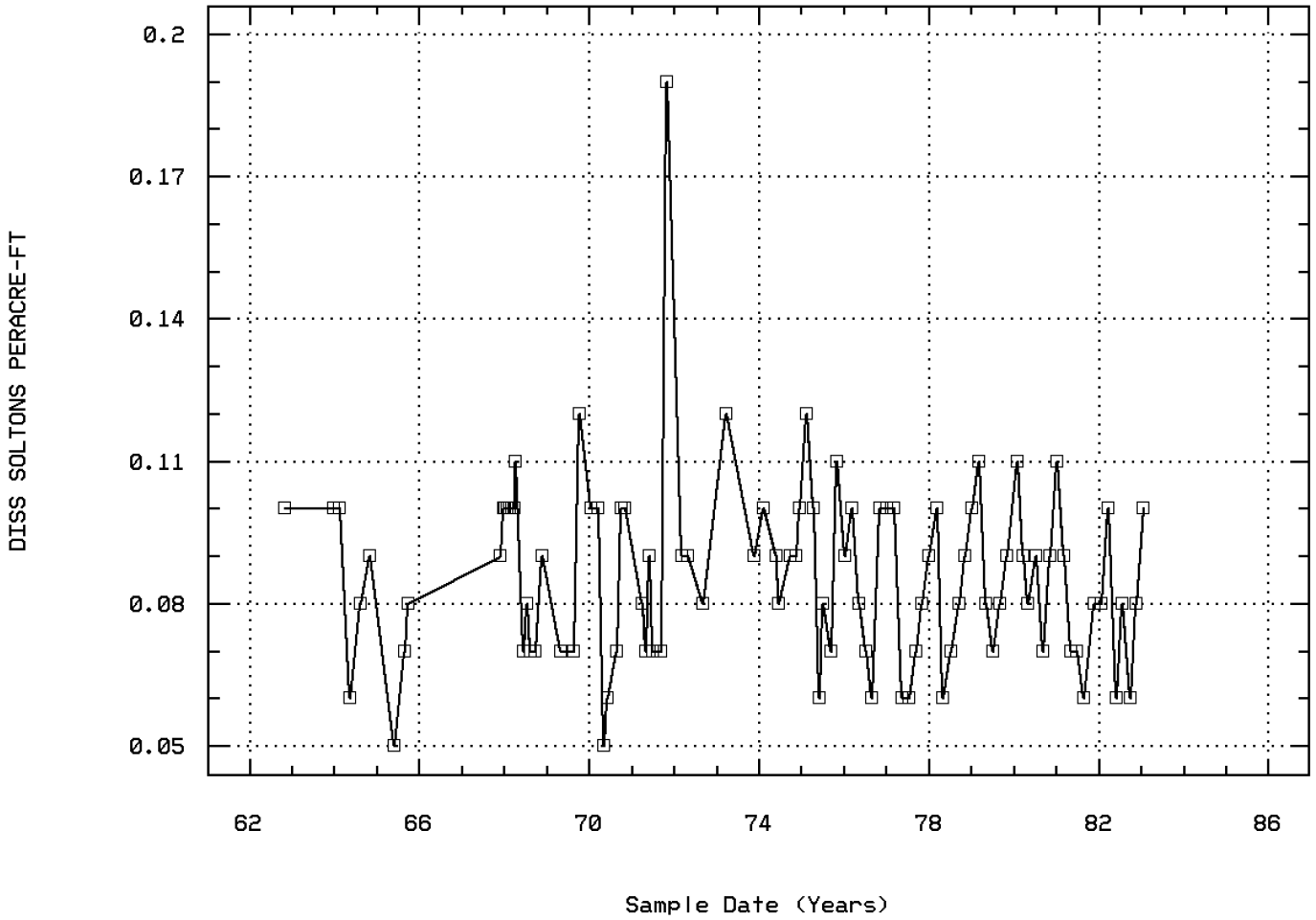
SOLIDS, DISSOLVED-TONS PER DAY



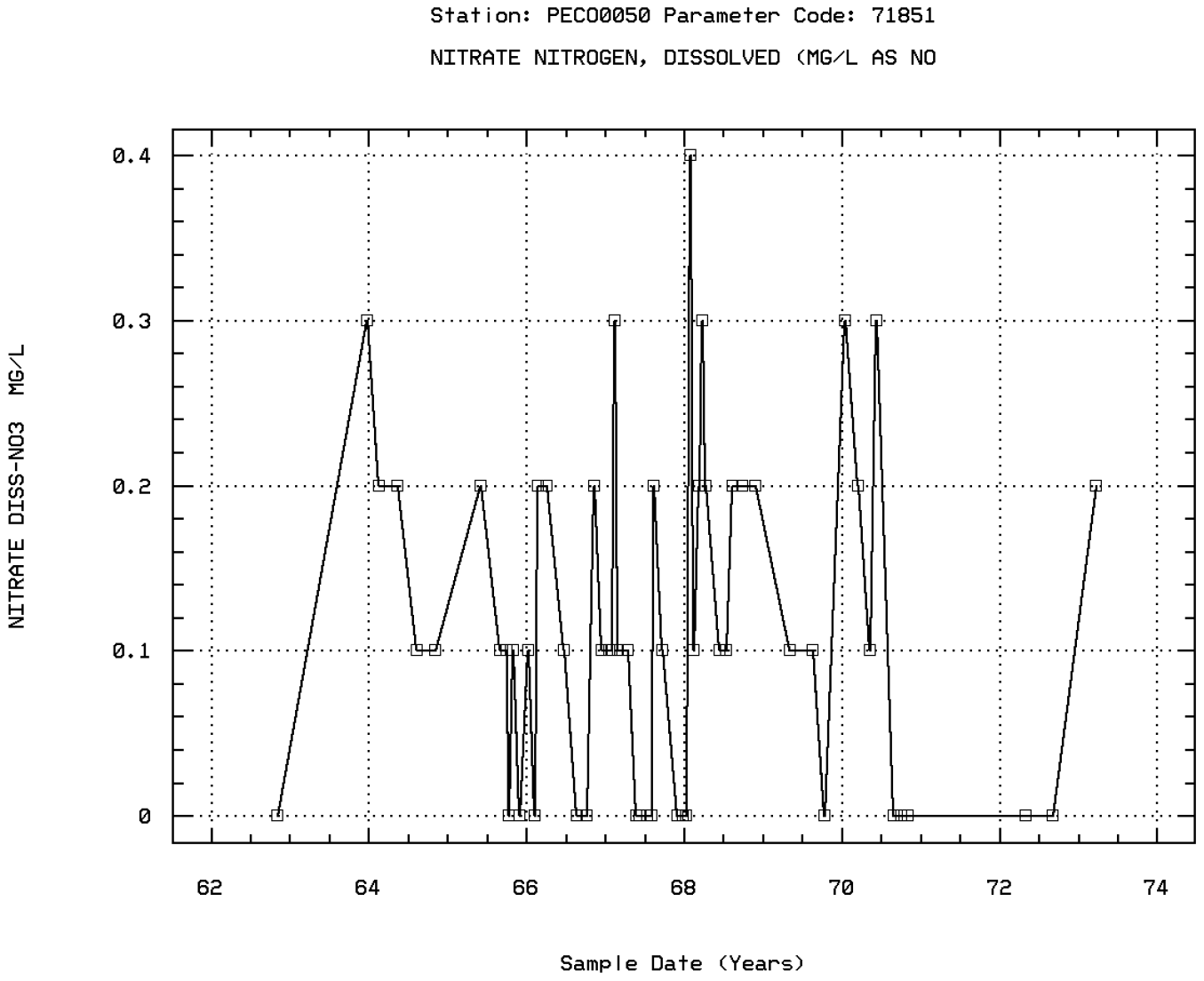
RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 70303

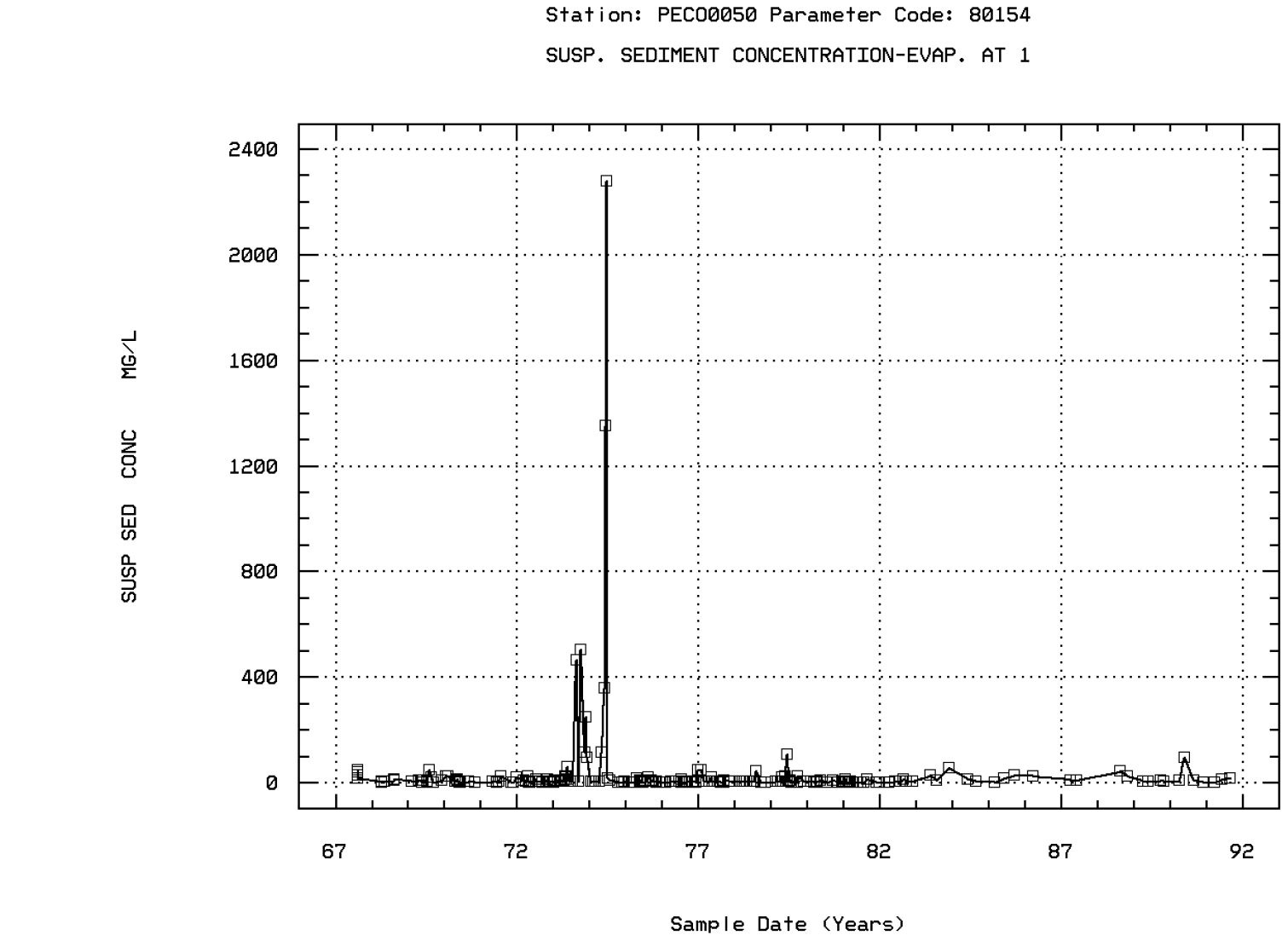
SOLIDS, DISSOLVED-TONS PER ACRE-FT



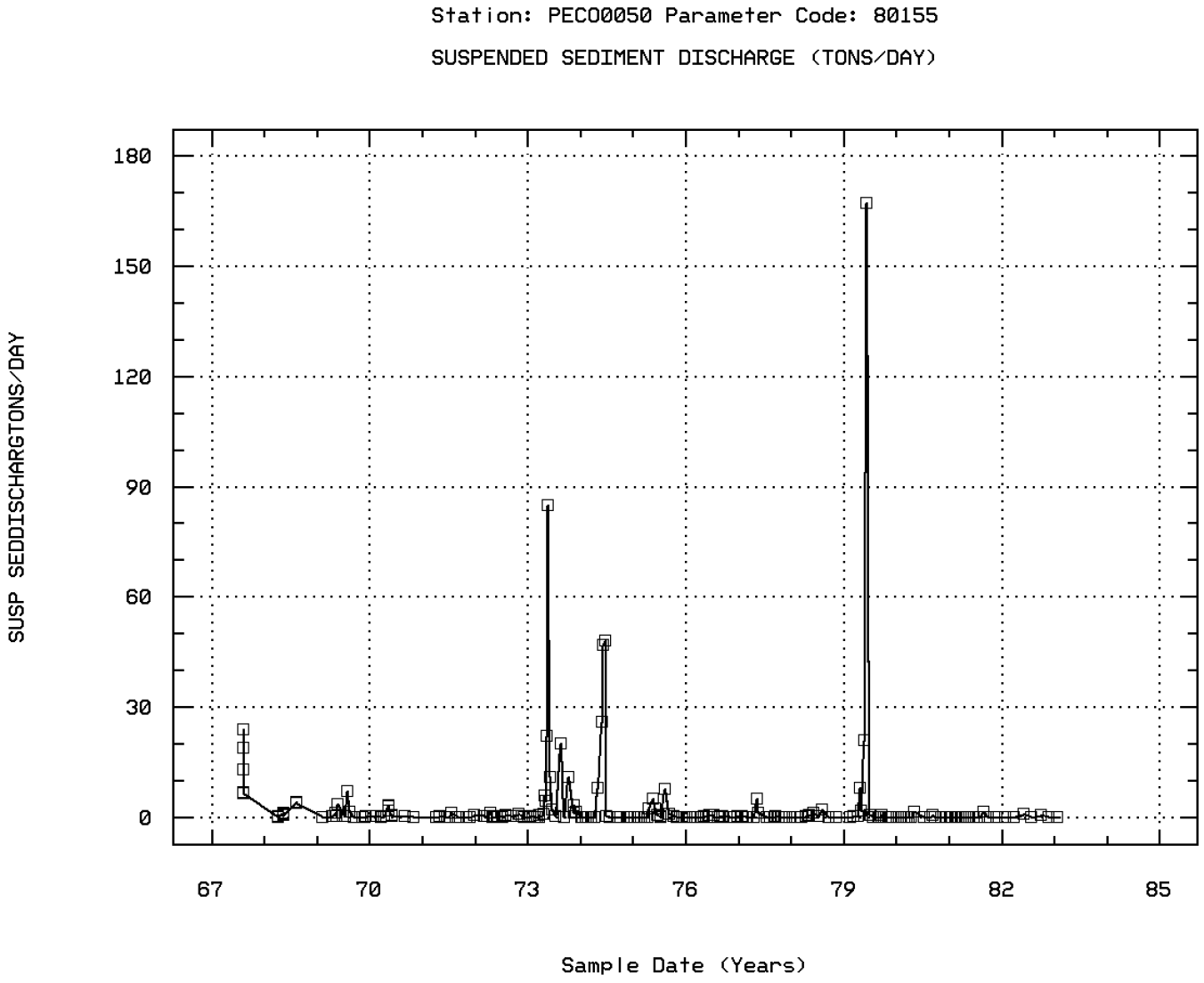
RIO MORA NEAR TERRERO, NM



RIO MORA NEAR TERRERO, NM



RIO MORA NEAR TERRERO, NM



RIO MORA NEAR TERRERO, NM

Annual Analysis for 1962 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	1	123.	123.	123.	123.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	1	0.032	0.032	0.032	0.032	0.	0.	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	1	64.	64.	64.	64.	0.	0.	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	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 box-and-whisker plot

Annual Analysis for 1963 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	1	123.	123.	123.	123.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	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 box-and-whisker plot

Annual Analysis for 1964 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	7	8.	26.429	91.	3.	1198.952	34.626	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	7	107.	99.714	127.	67.	517.571	22.75	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	7	7.6	7.529	7.9	7.1	0.086	0.293	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	7	7.6	7.442	7.9	7.1	0.094	0.307	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	7	0.025	0.036	0.079	0.013	0.001	0.025	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	7	57.	51.429	62.	33.	164.952	12.843	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	7	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	7	51.	46.429	58.	31.	119.952	10.952	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	7	4.	4.143	7.	2.	2.476	1.574	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	7	0.4	0.357	0.6	0.1	0.05	0.223	**	**	**	**

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	12	26.5	46.917	147.	6.	2457.902	49.577	6.9	10.75	90.25	140.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	11	91.	91.364	117.	65.	317.855	17.828	65.8	75.	108.	116.2
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	11	7.2	7.291	7.9	6.9	0.101	0.318	6.92	7.	7.5	7.86
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	11	7.2	7.202	7.9	6.9	0.11	0.331	6.92	7.	7.5	7.86
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	11	0.063	0.063	0.126	0.013	0.001	0.037	0.014	0.032	0.1	0.121
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	11	48.	45.364	58.	31.	99.655	9.983	31.2	32.	54.	57.6

** - 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 box-and-whisker plot

Annual Analysis for 1965 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	11	44.	42.	54.	29.	80.8	8.989	29.2	31.	50.	53.6
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	11	5.	5.	6.	4.	0.8	0.894	4.	4.	6.	6.
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	11	0.4	0.464	1.	0.2	0.077	0.277	0.2	0.2	0.7	0.94

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	3	3.3	3.7	7.8	0.	15.33	3.915	**	**	**	**
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	9	7.	16.	41.	5.	228.	15.1	5.	6.	31.5	41.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	9	103.	125.333	215.	73.	2341.5	48.389	73.	94.	166.	215.
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	9	7.1	7.111	7.8	6.6	0.114	0.337	6.6	6.9	7.25	7.8
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	9	7.1	7.012	7.8	6.6	0.125	0.353	6.6	6.9	7.25	7.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	9	0.079	0.097	0.251	0.016	0.005	0.068	0.016	0.06	0.126	0.251
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	9	51.	62.222	112.	23.	773.194	27.806	23.	47.5	85.	112.
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	9	48.	58.556	104.	27.	641.528	25.328	27.	43.5	80.	104.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	9	7.	7.667	13.	4.	9.25	3.041	4.	5.5	10.	13.
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	9	0.6	1.133	5.	0.2	2.168	1.472	0.2	0.5	0.95	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 1967 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	18	9.7	7.3	18.9	0.	34.889	5.907	0.	0.45	11.3	13.86
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	13	9.	23.077	159.	3.	1761.744	41.973	3.4	5.	21.5	109.4
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	5	160.	169.8	185.	159.	192.7	13.882	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	13	98.	105.769	223.	34.	1760.359	41.957	54.	85.	116.5	182.6
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	13	7.	7.085	7.6	6.5	0.103	0.321	6.58	6.85	7.35	7.56
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	13	7.	6.976	7.6	6.5	0.116	0.34	6.58	6.85	7.35	7.56
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	13	0.1	0.106	0.316	0.025	0.007	0.081	0.028	0.045	0.142	0.27
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	13	49.	53.538	114.	16.	458.769	21.419	27.2	45.	59.	92.4
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	13	46.	49.923	108.	12.	435.744	20.874	22.8	42.	54.5	87.6
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	13	6.	6.077	14.	0.	12.577	3.546	0.8	3.5	8.	11.6
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	13	0.6	0.531	1.	0.1	0.074	0.272	0.14	0.3	0.8	0.92
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	5	29.	29.4	48.	15.	206.3	14.363	**	**	**	**
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	5	13.	13.88	24.	6.5	58.147	7.625	**	**	**	**

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	26	5.5	5.654	15.	0.	18.235	4.27	0.	1.75	8.25	11.3
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	14	8.5	25.	154.	4.	1767.385	42.04	4.5	5.	18.25	117.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	12	69.5	62.	153.	12.	2150.182	46.37	13.2	20.75	76.5	147.9
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	14	114.5	111.5	203.	65.	1104.885	33.24	65.5	91.25	120.25	164.5
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	13	7.2	7.223	8.2	6.6	0.204	0.451	6.6	6.95	7.4	8.08
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	13	7.2	7.049	8.2	6.6	0.237	0.486	6.6	6.95	7.4	8.08

** - 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 PECO0050

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	11/06/62-06/25/92	13	0.063	0.089	0.251	0.006	0.006	0.079	0.009	0.04	0.113	0.251
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	11	57.	50.909	60.	32.	115.091	10.728	32.	41.	58.	59.6
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	11	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	11	54.	48.	56.	30.	106.4	10.315	30.2	38.	56.	56.
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	11	6.	6.091	9.	3.	3.691	1.921	3.2	4.	8.	8.8
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	11	0.4	0.564	1.	0.3	0.057	0.238	0.32	0.4	0.8	0.96
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	12	3.5	4.5	11.	2.	9.182	3.03	2.	2.25	5.5	10.7
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	12	0.69	1.071	4.1	0.06	2.066	1.437	0.069	0.138	1.095	4.07

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	22	3.5	5.977	17.	0.	35.821	5.985	0.	0.	10.75	16.1
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	20	30.	38.	188.	4.	1716.842	41.435	5.1	10.25	54.25	73.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	11	32.	47.364	188.	7.	2596.455	50.955	7.2	18.	59.	164.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	12	106.	102.167	125.	77.	355.97	18.867	77.3	79.	119.5	124.4
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	12	7.8	7.808	8.2	7.3	0.088	0.297	7.36	7.6	8.075	8.2
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	12	7.789	7.717	8.2	7.3	0.097	0.312	7.36	7.6	8.075	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	12	0.016	0.019	0.05	0.006	0.	0.013	0.006	0.008	0.025	0.045
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	3	43.	46.667	56.	41.	66.333	8.145	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	3	36.	40.	49.	35.	61.	7.81	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	3	2.	2.	3.	1.	1.	1.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	3	0.8	0.733	0.8	0.6	0.013	0.115	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	11	7.	10.182	48.	1.	180.564	13.437	1.2	2.	10.	42.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	11	0.38	1.383	7.1	0.06	4.708	2.17	0.064	0.16	1.6	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 1970 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	24	3.	5.304	18.1	0.	24.409	4.941	0.	2.	10.475	11.5
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	12	15.	23.667	97.	3.	715.333	26.746	3.3	5.25	32.5	81.7
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	14	55.5	54.929	119.	3.	1994.995	44.665	4.	9.	102.5	119.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	12	103.5	100.667	130.	69.	461.152	21.474	69.3	76.	118.75	128.8
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	12	7.8	7.808	8.2	7.3	0.057	0.239	7.39	7.625	8.	8.14
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	12	7.8	7.743	8.2	7.3	0.062	0.249	7.39	7.625	8.	8.14
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	12	0.016	0.018	0.05	0.006	0.	0.012	0.007	0.01	0.024	0.043
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	7	52.	50.	65.	35.	123.	11.091	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	7	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	7	50.	46.	60.	32.	112.333	10.599	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	7	5.	5.	8.	2.	3.667	1.915	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	7	0.6	0.557	2.	0.	0.486	0.697	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	14	5.	7.5	25.	1.	62.885	7.93	1.	2.	10.	24.5
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	14	0.34	0.917	3.4	0.02	1.269	1.126	0.035	0.188	1.9	3.15

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	12	6.	7.375	19.	0.	52.642	7.255	0.	0.	14.375	18.1
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	12	13.	17.083	70.	1.	355.902	18.865	1.3	5.	20.75	58.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	9	15.	15.444	32.	5.	65.278	8.079	5.	9.	19.	32.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	10	105.	111.5	175.	77.	726.056	26.945	78.3	93.75	122.75	170.
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	9	8.	7.956	8.3	7.7	0.053	0.23	7.7	7.75	8.15	8.3
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	9	8.	7.906	8.3	7.7	0.055	0.236	7.7	7.75	8.15	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	9	0.01	0.012	0.02	0.005	0.	0.006	0.005	0.008	0.018	0.02
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	6	48.5	55.333	91.	41.	333.067	18.25	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	6	45.5	51.167	82.	41.	245.367	15.664	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	6	5.5	5.5	10.	2.	11.1	3.332	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	6	0.95	0.95	2.	0.2	0.359	0.599	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	9	2.	6.444	23.	1.	66.778	8.172	1.	1.5	11.5	23.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	9	0.09	0.277	1.3	0.01	0.176	0.419	0.01	0.08	0.38	1.3

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Annual Analysis for 1972 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	15	5.	6.833	17.	0.	38.31	6.189	0.	1.	13.	16.7
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	5	17.	22.4	49.	9.	237.8	15.421	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	13	20.	22.154	38.	9.	75.974	8.716	9.	18.	29.	36.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	5	97.	98.2	116.	83.	152.7	12.357	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	5	8.	7.96	8.3	7.6	0.093	0.305	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	5	8.	7.877	8.3	7.6	0.102	0.319	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	5	0.01	0.013	0.025	0.005	0.	0.009	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	3	48.	48.	51.	45.	9.	3.	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	3	44.	44.	47.	41.	9.	3.	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	3	5.	4.667	5.	4.	0.333	0.577	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	3	0.8	0.7	1.	0.3	0.13	0.361	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	13	6.	6.615	24.	0.	39.256	6.265	0.8	2.5	9.	19.2
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	13	0.28	0.374	1.3	0.	0.131	0.361	0.028	0.15	0.485	1.136

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	23	3.5	4.543	14.	0.	21.953	4.685	0.	0.5	9.	12.5
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	1	71.	71.	71.	71.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	24	19.5	87.417	540.	4.	18657.906	136.594	5.5	8.25	114.25	341.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	6	117.	109.667	127.	70.	455.467	21.342	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.9	7.917	8.5	7.6	0.114	0.337	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.889	7.828	8.5	7.6	0.123	0.351	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	6	0.013	0.015	0.025	0.003	0.	0.009	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	2	62.5	62.5	64.	61.	4.5	2.121	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	2	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	2	57.	57.	58.	56.	2.	1.414	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	2	6.	6.	6.	6.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	2	0.85	0.85	1.	0.7	0.045	0.212	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	20	10.5	79.85	502.	0.	22478.555	149.929	3.	3.	86.5	441.3
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	20	1.3	8.479	85.	0.	367.719	19.176	0.061	0.16	9.725	21.8

** - 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

Annual Analysis for 1974 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	18	5.25	6.611	19.5	0.	42.81	6.543	0.	0.	13.25	15.45
00060p	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	18	8.5	10.556	27.	5.	41.673	6.455	5.	6.	12.25	26.1
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	6	101.5	103.667	136.	75.	392.267	19.806	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.95	7.917	8.2	7.6	0.074	0.271	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.947	7.846	8.2	7.6	0.08	0.282	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	6	0.011	0.014	0.025	0.006	0.	0.009	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	6	53.5	52.167	63.	37.	74.967	8.658	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	6	47.	48.	62.	35.	78.4	8.854	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	6	4.5	5.	10.	1.	8.8	2.966	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	6	0.9	0.967	2.	0.3	0.319	0.565	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	18	3.	230.611	2280.	0.	364941.193	604.104	0.9	1.	40.75	1443.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	18	0.06	7.231	48.	0.	253.749	15.93	0.009	0.028	2.28	47.1

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	18	4.5	5.333	13.	0.	25.647	5.064	0.	0.	10.5	12.55
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	18	24.	51.056	185.	5.	3947.82	62.832	5.9	7.	65.25	183.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	6	100.	98.333	115.	70.	326.667	18.074	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.65	7.65	8.5	6.7	0.343	0.586	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.647	7.313	8.5	6.7	0.479	0.692	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	6	0.023	0.049	0.2	0.003	0.006	0.075	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	6	49.5	47.5	56.	31.	92.3	9.607	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	6	43.5	44.833	55.	33.	75.767	8.704	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	6	8.	6.833	11.	0.	17.367	4.167	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	6	0.95	1.1	3.	0.1	0.984	0.992	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	18	2.5	4.833	18.	0.	29.441	5.426	0.	1.	7.	17.1
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	18	0.165	1.142	7.7	0.	4.312	2.076	0.	0.03	1.243	5.18

** - 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

Annual Analysis for 1976 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	16	1.5	4.438	12.	0.	24.829	4.983	0.	0.	10.	12.
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	17	12.	14.529	42.	3.	149.89	12.243	4.6	5.	21.5	41.2
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	6	97.5	103.333	125.	90.	236.667	15.384	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.55	7.767	8.7	7.1	0.375	0.612	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.525	7.509	8.7	7.1	0.455	0.674	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	6	0.03	0.031	0.079	0.002	0.001	0.029	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	6	47.	51.5	66.	44.	92.3	9.607	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	6	47.5	48.333	61.	39.	91.067	9.543	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	6	5.5	6.	13.	2.	15.2	3.899	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	6	0.6	0.683	1.	0.4	0.05	0.223	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	17	3.	5.706	46.	0.	114.346	10.693	0.	1.5	4.5	18.
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	17	0.09	0.176	0.68	0.	0.04	0.2	0.	0.025	0.295	0.576

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	15	6.5	6.267	16.	0.	35.638	5.97	0.	0.5	13.	14.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	16	11.5	19.625	93.	1.	758.917	27.548	2.4	3.25	18.75	86.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	6	96.5	96.333	120.	60.	542.667	23.295	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.75	7.583	7.8	7.	0.106	0.325	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.747	7.462	7.8	7.	0.123	0.351	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	6	0.018	0.035	0.1	0.016	0.001	0.033	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	6	48.	47.333	62.	26.	180.667	13.441	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	6	45.	45.5	59.	30.	121.5	11.023	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	6	5.5	6.667	10.	5.	5.067	2.251	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	5	0.6	1.68	6.	0.4	5.852	2.419	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	15	3.	7.267	47.	0.	142.21	11.925	0.6	3.	5.	30.8
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	15	0.09	0.51	5.	0.	1.623	1.274	0.006	0.03	0.36	2.66

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	13	3.	5.269	15.	0.	27.276	5.223	0.	0.5	9.5	14.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	13	16.	21.692	82.	1.	525.897	22.932	1.	4.	35.5	66.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	6	105.5	101.	120.	77.	353.6	18.804	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.75	7.817	8.2	7.4	0.106	0.325	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.747	7.724	8.2	7.4	0.116	0.341	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	6	0.018	0.019	0.04	0.006	0.	0.013	**	**	**	**
00440p	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	3	58.	50.667	59.	35.	184.333	13.577	**	**	**	**
00445p	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	6	51.5	50.5	62.	35.	105.9	10.291	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	6	9.	9.333	14.	5.	14.667	3.83	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	6	0.65	0.717	1.	0.5	0.054	0.232	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	10	5.	8.2	44.	2.	159.956	12.647	2.	3.5	5.25	40.2
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	10	0.255	0.47	2.	0.01	0.402	0.634	0.012	0.03	0.71	1.91

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	19	7.	6.658	16.	0.	31.001	5.568	0.5	0.5	12.5	15.
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	19	19.	78.368	582.	5.	21046.246	145.073	7.	10.	64.	321.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	7	100.	97.286	125.	65.	491.905	22.179	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	7	7.7	7.8	8.2	7.6	0.057	0.238	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	7	7.7	7.751	8.2	7.6	0.059	0.244	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	7	0.02	0.018	0.025	0.006	0.	0.008	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	6	49.	48.	59.	36.	80.4	8.967	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	6	13.5	12.333	14.	8.	5.867	2.422	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	6	0.85	0.933	2.	0.4	0.335	0.579	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	17	4.	12.588	106.	0.	642.257	25.343	0.8	1.	13.5	41.2
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	17	0.32	11.826	167.	0.	1626.425	40.329	0.016	0.045	1.275	50.2

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Annual Analysis for 1980 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	12	3.5	5.333	15.	0.5	24.97	4.997	0.5	0.875	10.	13.95
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	12	8.	17.417	80.	4.	455.902	21.352	4.3	6.25	22.25	65.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	6	106.	106.5	127.	88.	231.5	15.215	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	6	8.1	8.117	8.4	7.9	0.034	0.183	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	6	8.089	8.086	8.4	7.9	0.035	0.186	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	6	0.008	0.008	0.013	0.004	0.	0.003	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	6	48.	49.5	65.	38.	101.5	10.075	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	6	10.	9.5	14.	5.	12.3	3.507	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	6	0.7	0.667	0.9	0.4	0.039	0.197	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	12	1.5	2.583	8.	0.	7.538	2.746	0.	0.25	4.5	7.7
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	12	0.035	0.211	1.5	0.	0.198	0.445	0.	0.005	0.138	1.245

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	18	1.75	4.556	17.	0.	28.32	5.322	0.	0.5	8.25	15.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	17	9.	13.647	37.	2.	136.868	11.699	2.8	4.5	25.5	33.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	6	80.	98.333	140.	75.	996.267	31.564	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.9	7.9	8.4	7.4	0.136	0.369	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.9	7.776	8.4	7.4	0.154	0.393	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	6	0.013	0.017	0.04	0.004	0.	0.013	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	6	43.	45.833	62.	32.	185.367	13.615	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	2	13.5	13.5	17.	10.	24.5	4.95	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	6	0.5	0.467	0.8	0.2	0.043	0.207	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	18	2.	2.778	14.	0.	14.536	3.813	0.	1.	2.	12.2
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	17	0.05	0.128	1.4	0.	0.108	0.329	0.	0.025	0.08	0.376

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	8	3.75	5.	14.	0.	27.	5.196	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	5	12.	21.8	68.	7.	672.7	25.936	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	6	100.	92.	109.	58.	377.2	19.422	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.95	7.917	8.4	7.4	0.162	0.402	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	6	7.882	7.772	8.4	7.4	0.187	0.432	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	6	0.013	0.017	0.04	0.004	0.	0.014	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	6	46.	44.667	55.	26.	113.467	10.652	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	6	0.65	0.667	0.9	0.4	0.031	0.175	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	8	3.	3.625	13.	1.	15.125	3.889	**	**	**	**
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	6	0.08	0.287	0.92	0.02	0.135	0.367	**	**	**	**

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Annual Analysis for 1983 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	4	6.5	6.75	13.5	0.5	29.75	5.454	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	4	36.5	90.25	280.	8.	16686.917	129.178	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	4	90.	91.5	112.	74.	374.333	19.348	**	**	**	**

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.7	7.725	8.1	7.4	0.109	0.33	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.655	7.638	8.1	7.4	0.119	0.345	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	4	0.022	0.023	0.04	0.008	0.	0.015	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	4	0.9	1.6	4.	0.6	2.58	1.606	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	4	18.	23.25	56.	1.	607.583	24.649	**	**	**	**
80155p	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	1	0.02	0.02	0.02	0.02	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 1984 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	4	5.	5.375	11.	0.5	32.063	5.662	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	4	29.	43.25	110.	5.	2220.917	47.127	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	3	80.	91.333	130.	64.	1185.333	34.429	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.55	7.7	8.4	7.3	0.233	0.483	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.547	7.557	8.4	7.3	0.26	0.51	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	4	0.028	0.028	0.05	0.004	0.	0.019	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	4	0.8	0.8	1.	0.6	0.033	0.183	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	4	2.5	4.25	11.	1.	22.25	4.717	**	**	**	**

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	4	5.05	5.15	10.	0.5	25.99	5.098	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	4	17.5	79.75	276.	8.	17138.917	130.916	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	4	110.	96.5	118.	48.	1059.667	32.553	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.95	7.925	8.5	7.3	0.376	0.613	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.75	7.653	8.5	7.3	0.474	0.689	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	4	0.018	0.022	0.05	0.003	0.001	0.023	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	4	0.75	0.775	1.	0.6	0.043	0.206	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	4	9.	11.25	26.	1.	143.583	11.983	**	**	**	**

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	3	6.	6.5	9.	4.5	5.25	2.291	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	3	18.	37.	77.	16.	1201.	34.655	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	3	85.	80.667	97.	60.	356.333	18.877	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	3	7.9	7.9	8.2	7.6	0.09	0.3	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	3	7.9	7.833	8.2	7.6	0.097	0.311	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	3	0.013	0.015	0.025	0.006	0.	0.01	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	1	0.8	0.8	0.8	0.8	0.	0.	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	2	11.5	11.5	22.	1.	220.5	14.849	**	**	**	**

** - 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 box-and-whisker plot

Annual Analysis for 1987 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	3	6.5	5.167	6.5	2.5	5.333	2.309	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	3	16.	74.	196.	10.	11172.	105.698	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	3	111.	100.333	130.	60.	1310.333	36.199	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	2	8.15	8.15	8.7	7.6	0.605	0.778	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	2	7.868	7.868	8.7	7.6	0.764	0.874	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	2	0.014	0.014	0.025	0.002	0.	0.016	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	3	0.8	1.1	2.	0.5	0.63	0.794	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	3	8.	6.333	10.	1.	22.333	4.726	**	**	**	**

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	4	5.	5.75	12.	1.	26.917	5.188	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	4	36.	35.25	56.	13.	575.583	23.991	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	4	90.	91.	110.	74.	284.	16.852	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.2	7.25	7.6	7.	0.07	0.265	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.189	7.196	7.6	7.	0.074	0.272	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	4	0.065	0.064	0.1	0.025	0.001	0.033	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	4	0.6	0.9	2.	0.4	0.553	0.744	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	4	12.5	17.25	43.	1.	412.25	20.304	**	**	**	**

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	4	7.	5.625	8.5	0.	15.229	3.902	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	4	20.	18.5	29.	5.	141.667	11.902	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	4	94.5	94.	98.	89.	18.	4.243	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	4	8.07	8.18	9.	7.58	0.401	0.633	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.991	7.923	9.	7.58	0.489	0.699	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	4	0.01	0.012	0.026	0.001	0.	0.011	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	4	0.5	0.5	0.6	0.4	0.013	0.115	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	4	6.	6.	8.	4.	2.667	1.633	**	**	**	**

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	4	5.	5.	10.	0.	17.333	4.163	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	4	35.	47.25	112.	7.	2304.25	48.003	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	3	100.	100.	110.	90.	100.	10.	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.635	7.693	8.	7.5	0.046	0.215	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.635	7.658	8.	7.5	0.048	0.219	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	4	0.023	0.022	0.032	0.01	0.	0.009	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	4	0.8	0.725	0.9	0.4	0.056	0.236	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	4	8.	27.75	95.	0.	2024.917	44.999	**	**	**	**

** - 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 PECO0050

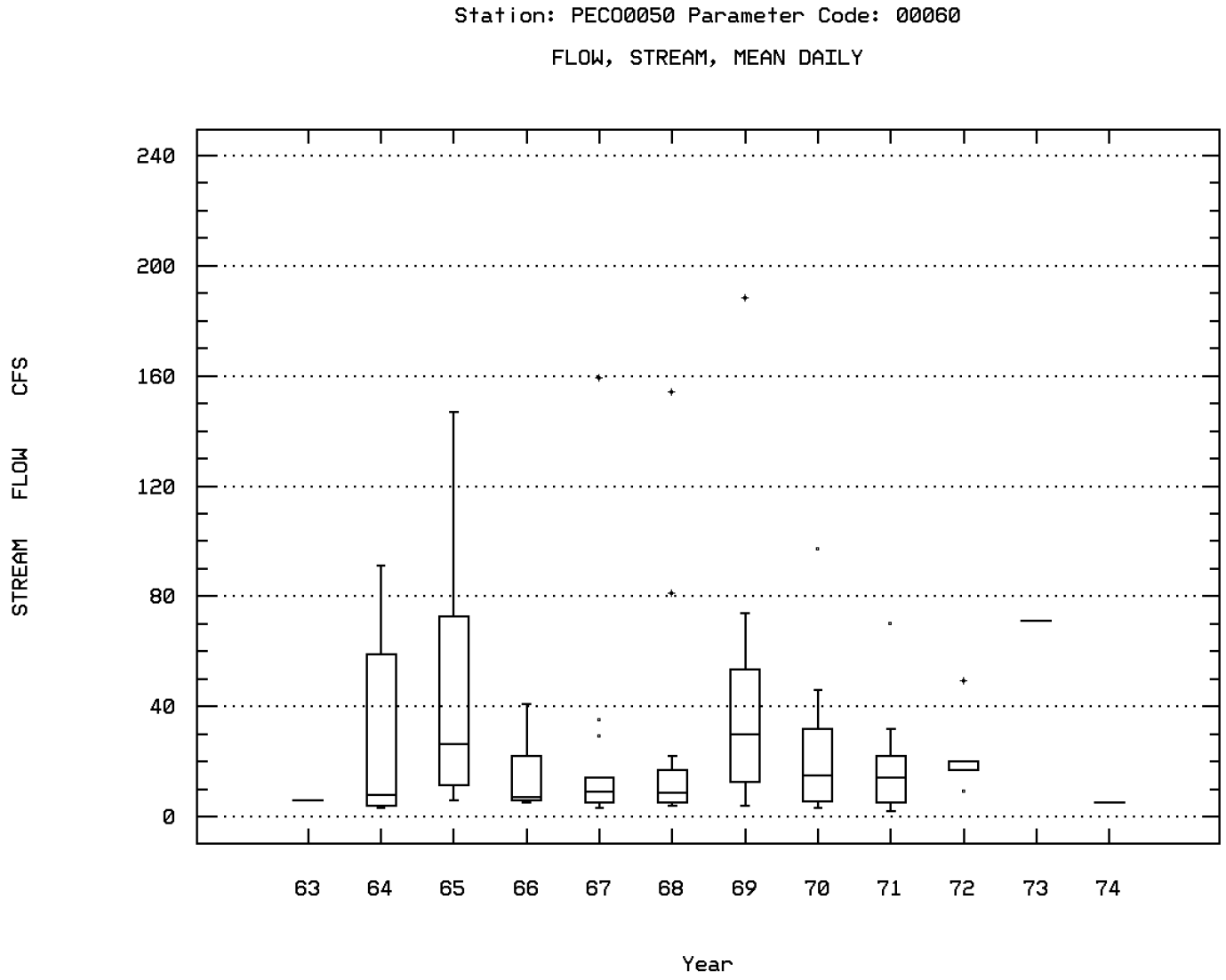
Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	4	5.25	5.375	10.5	0.5	26.063	5.105	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	3	88.	78.	135.	11.	3919.	62.602	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	4	82.	82.5	108.	58.	459.667	21.44	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.7	7.85	8.7	7.3	0.417	0.645	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	4	7.604	7.594	8.7	7.3	0.504	0.71	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	4	0.025	0.025	0.05	0.002	0.001	0.023	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	5	0.3	0.51	1.	0.05	0.208	0.456	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	3	14.	11.	17.	2.	63.	7.937	**	**	**	**

** - 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 PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	2	6.5	6.5	9.5	3.5	18.	4.243	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	2	21.5	21.5	27.	16.	60.5	7.778	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	2	87.	87.	98.	76.	242.	15.556	**	**	**	**
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	2	8.035	8.035	8.3	7.77	0.14	0.375	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	2	7.959	7.959	8.3	7.77	0.152	0.39	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	2	0.011	0.011	0.017	0.005	0.	0.008	**	**	**	**
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**

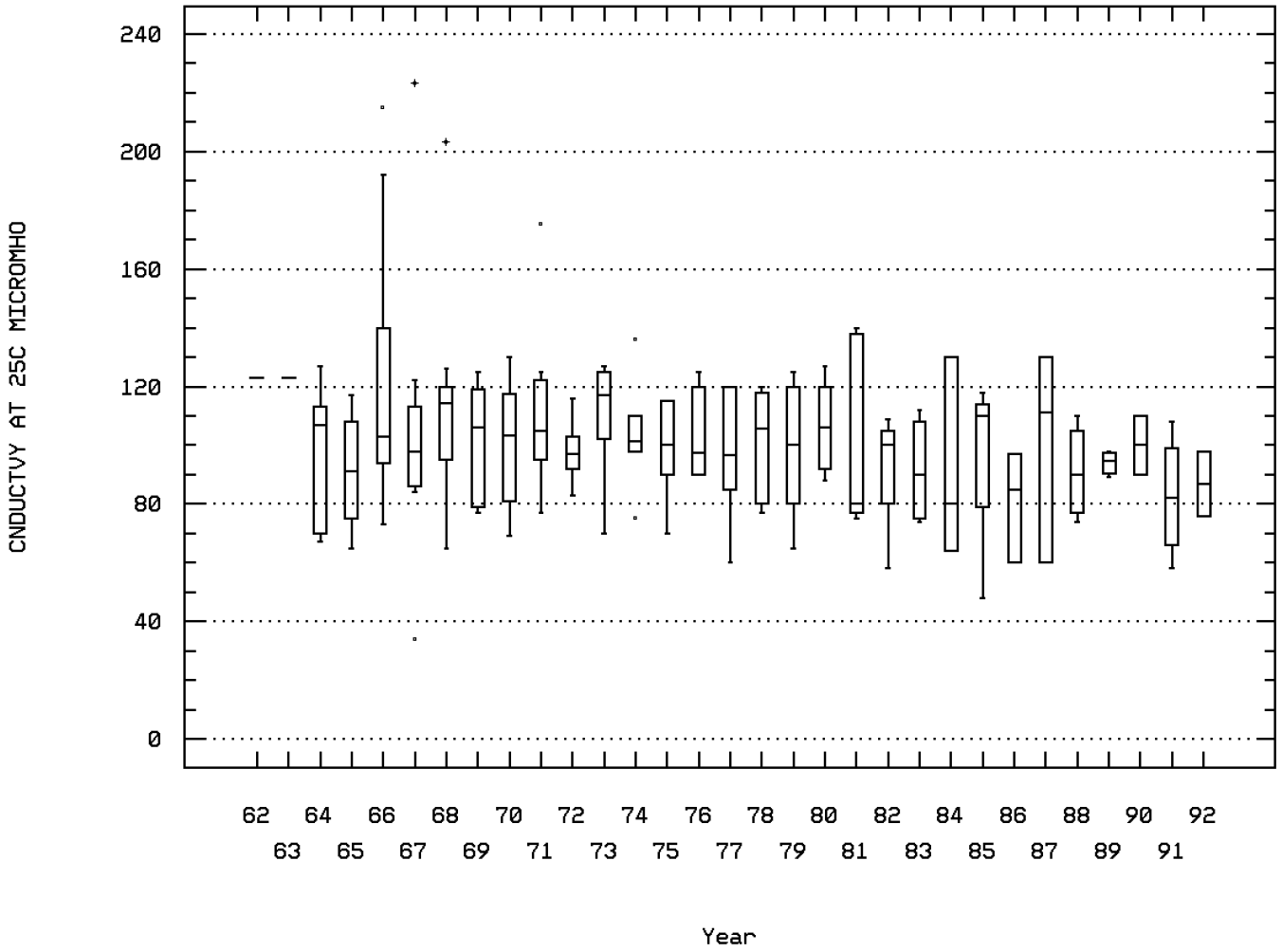
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00095

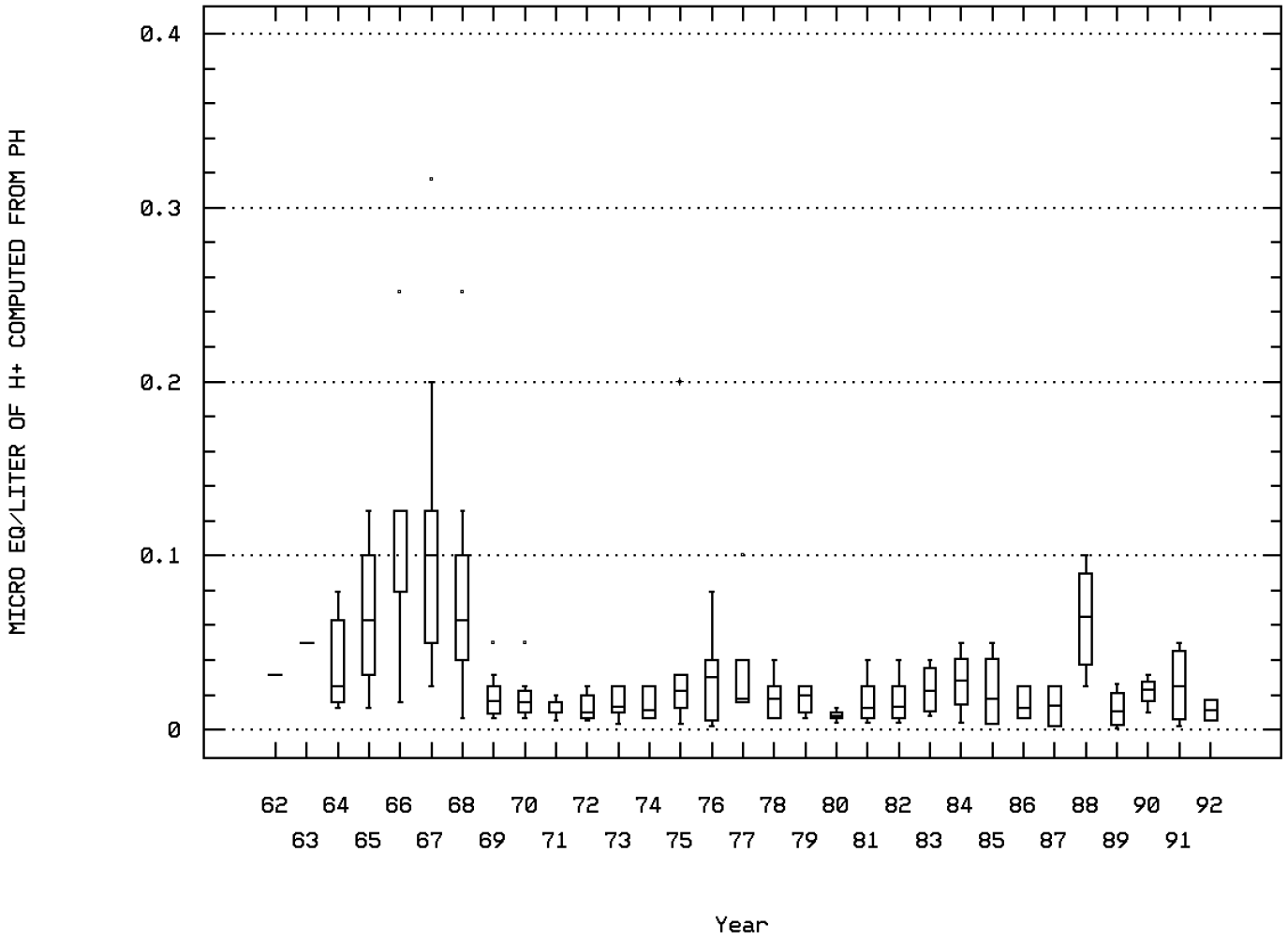
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00400

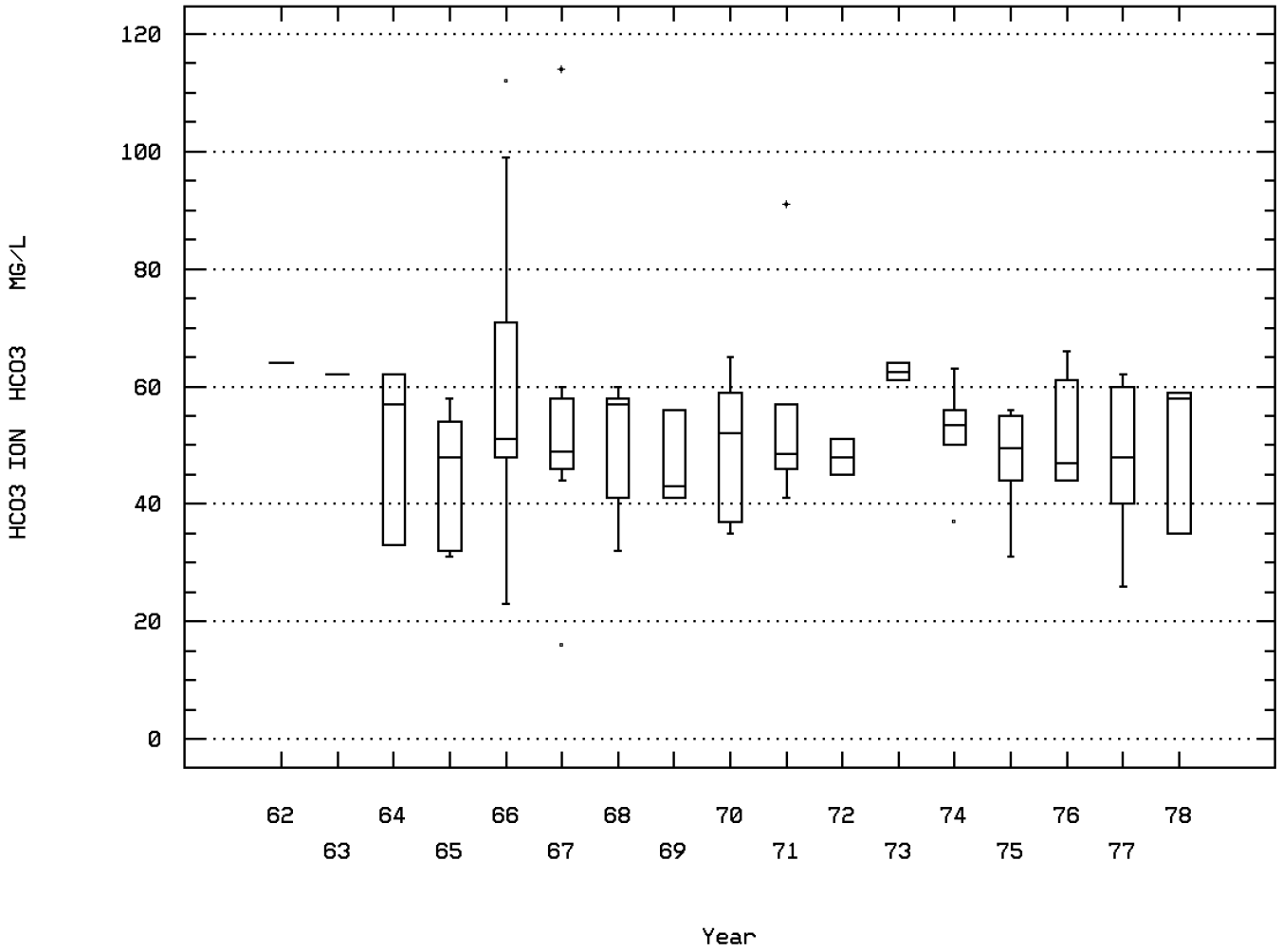
MICRO EQ/LITER OF H+ COMPUTED FROM PH



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00440

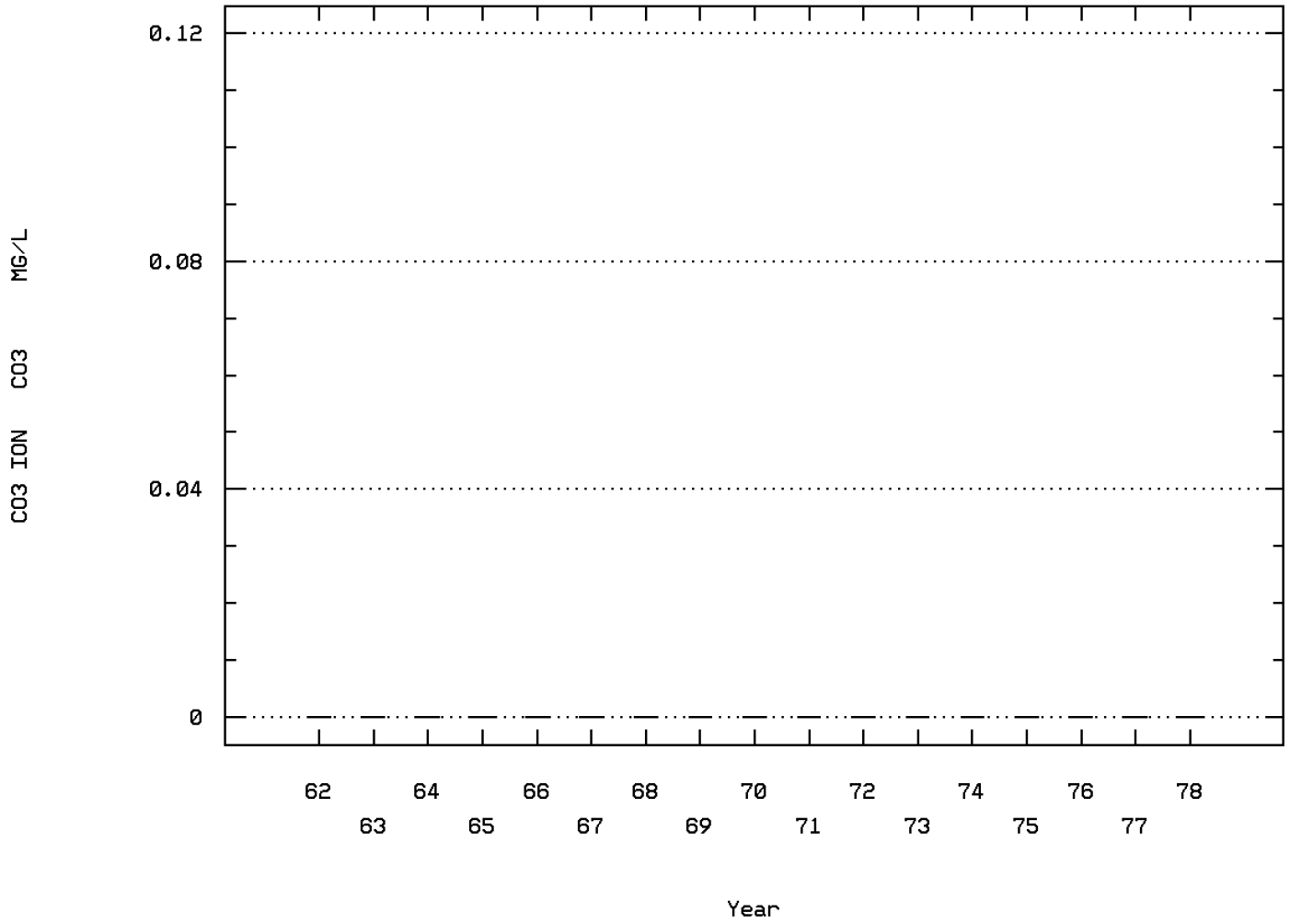
BICARBONATE ION (MG/L AS HCO3)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00445

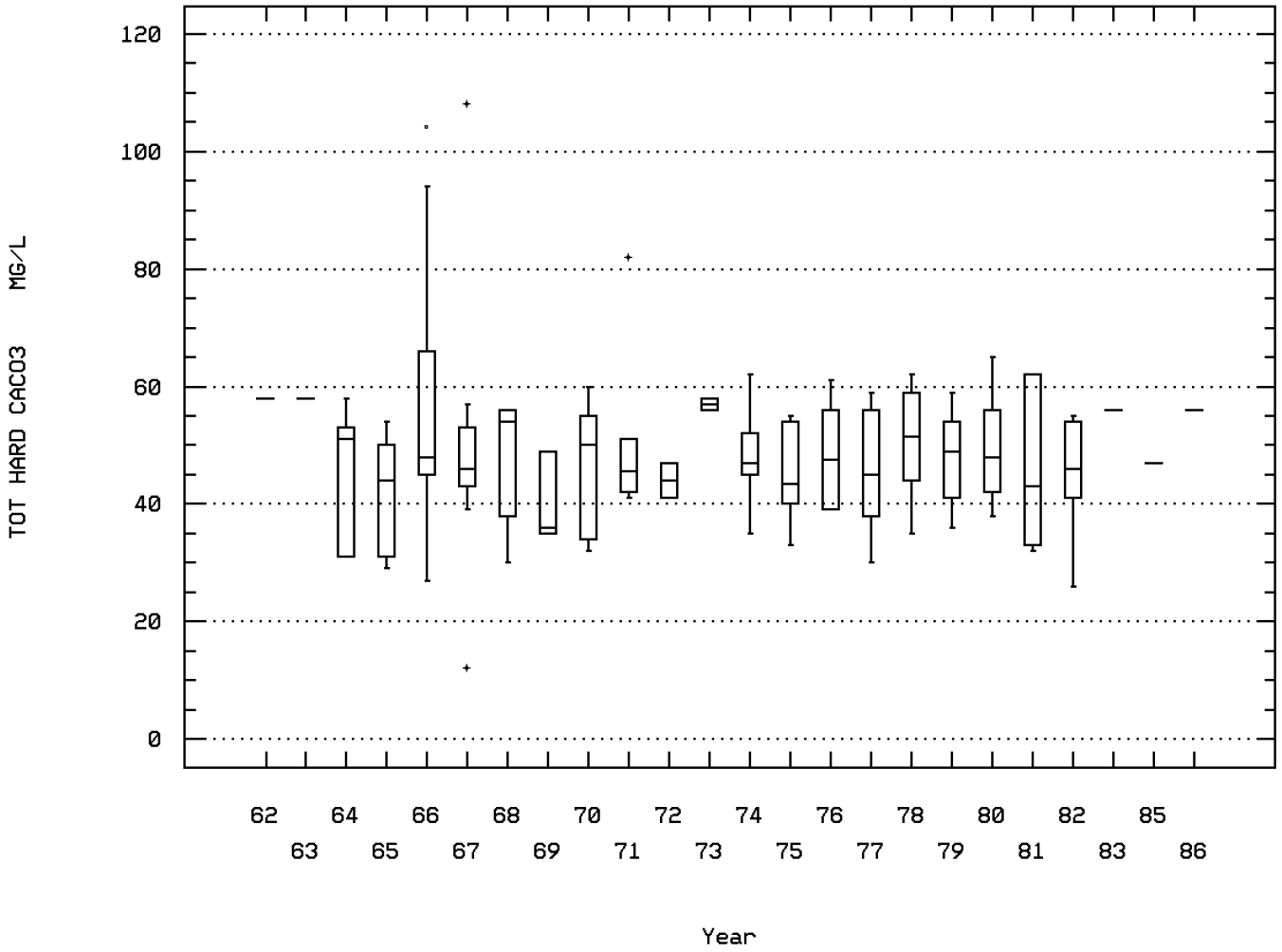
CARBONATE ION (MG/L AS CO3)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00900

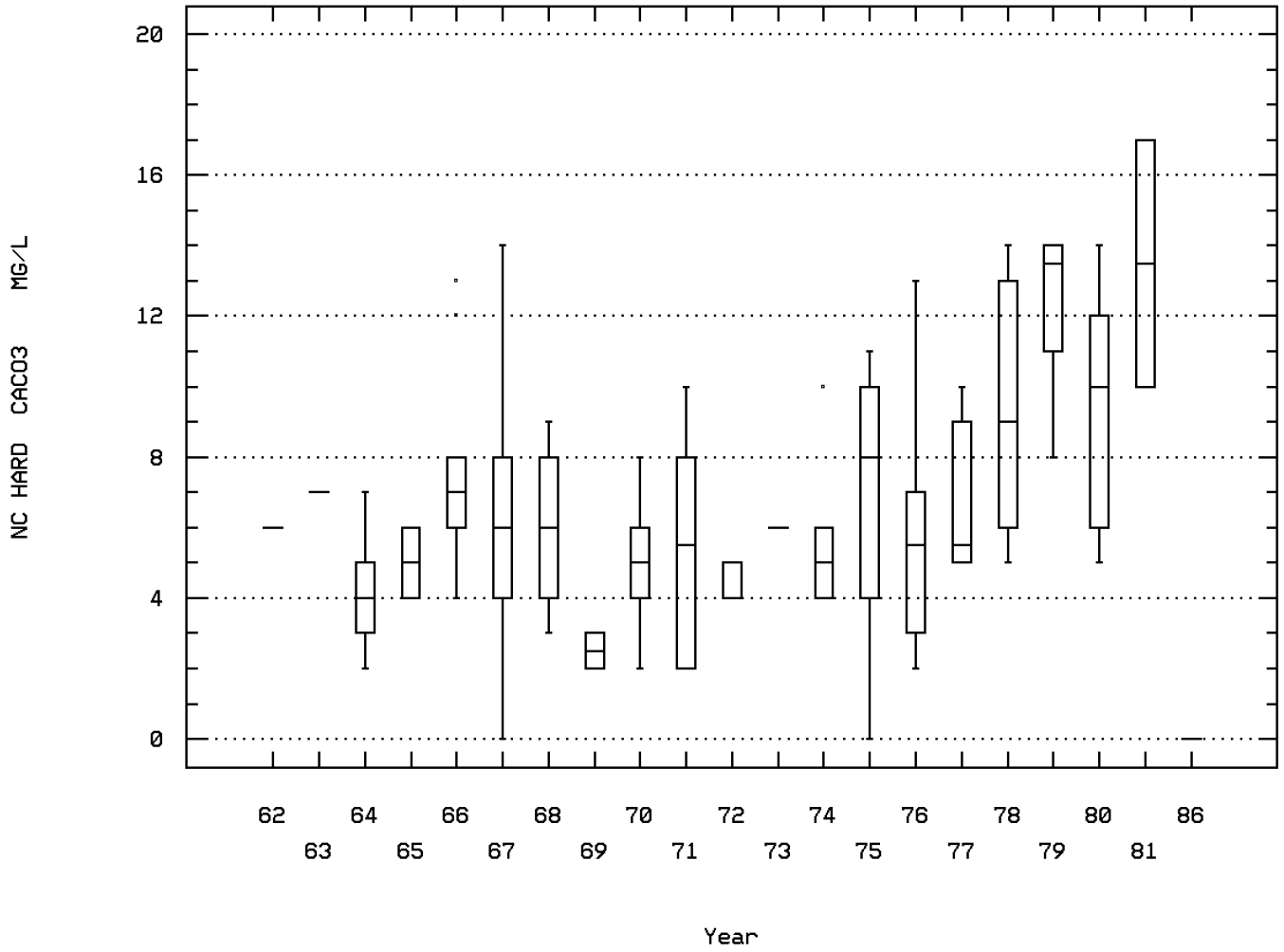
HARDNESS, TOTAL (MG/L AS CACO3)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00902

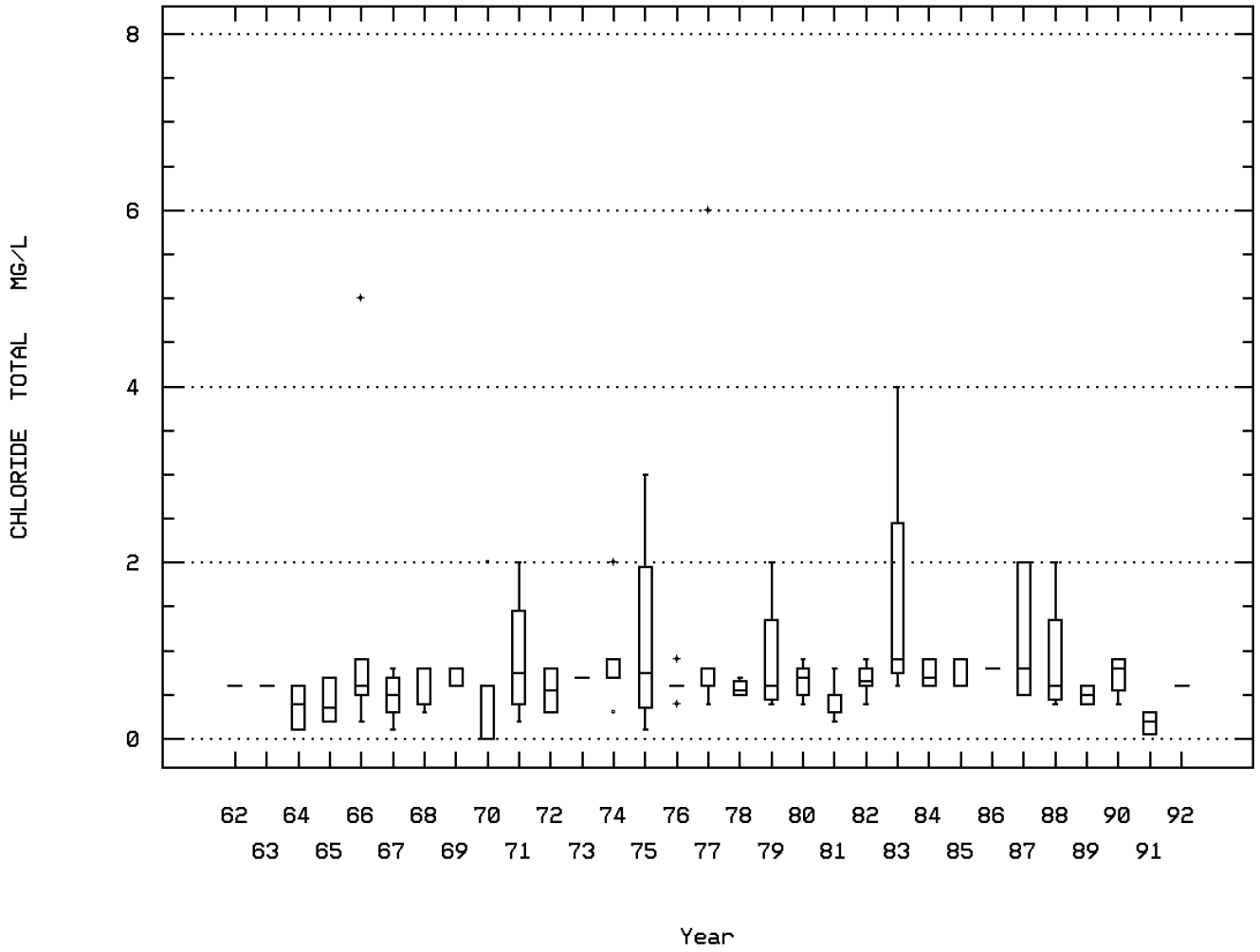
HARDNESS, NON-CARBONATE (MG/L AS CACO3)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00940

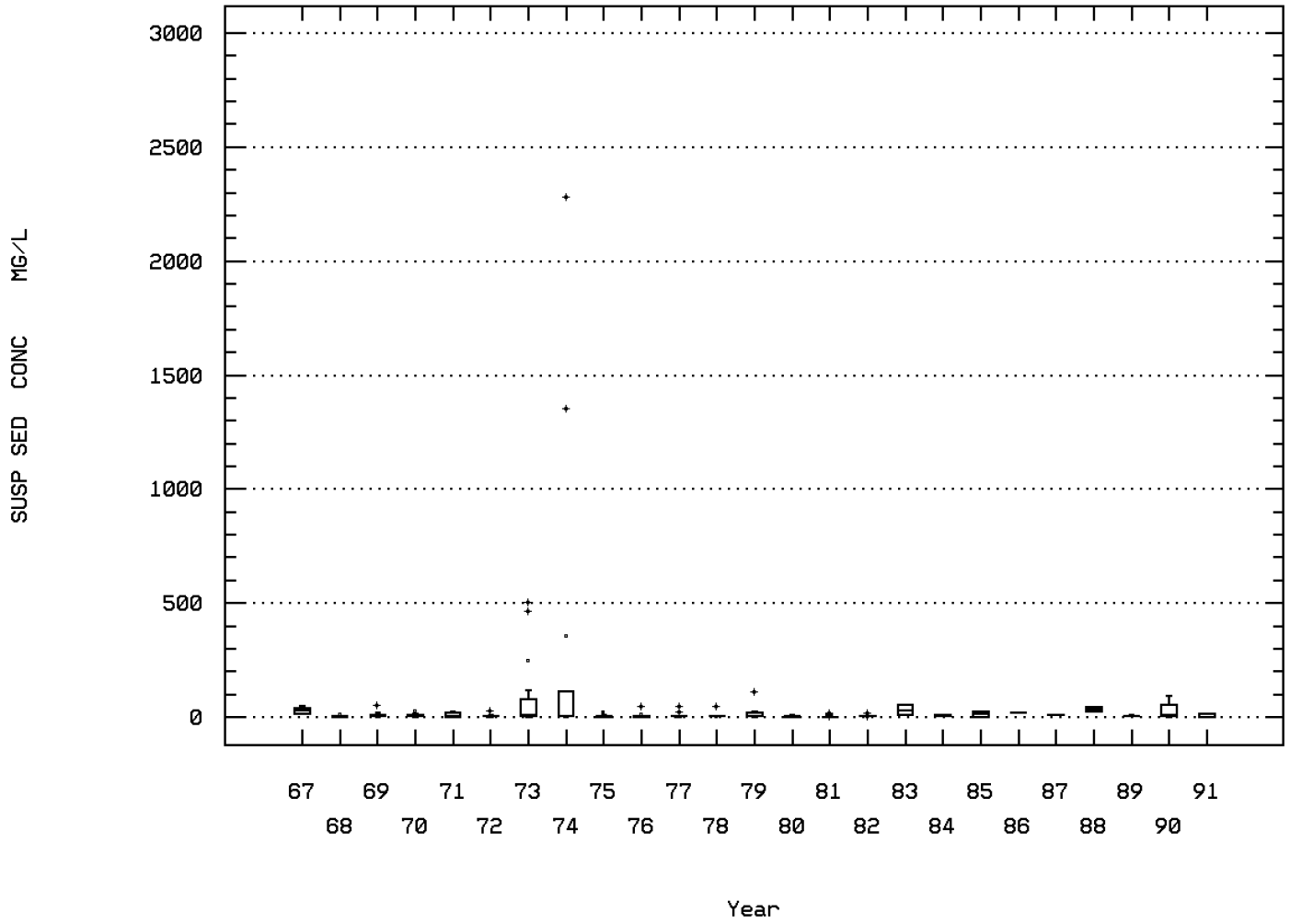
CHLORIDE,TOTAL IN WATER



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 80154

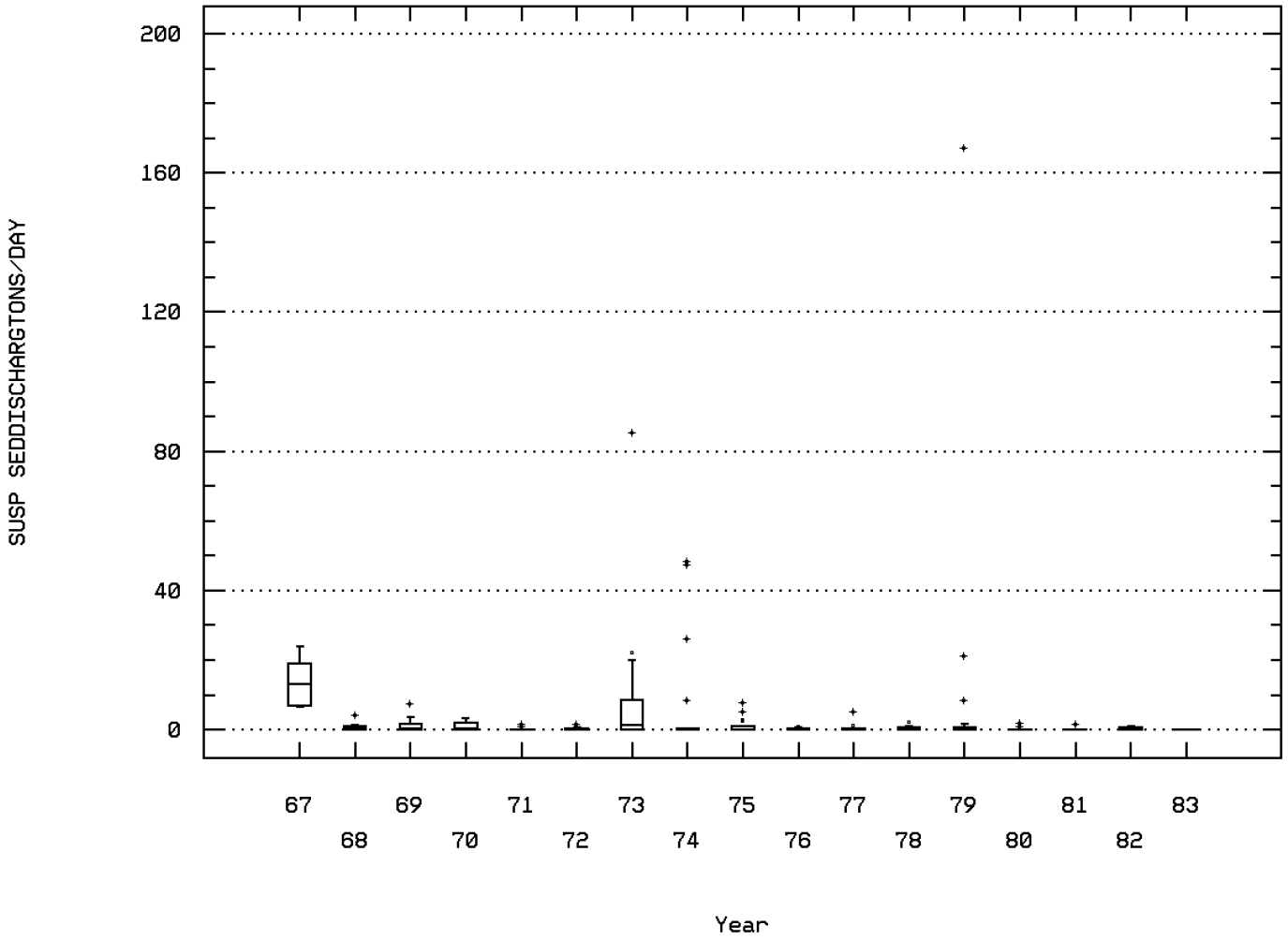
SUSP. SEDIMENT CONCENTRATION-EVAP. AT 1



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 80155

SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)



RIO MORA NEAR TERRERO, NM

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	75	11.	11.245	19.5	4.	9.433	3.071	7.	9.5	13.	16.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/15/70-06/25/92	22	19.5	18.818	30.	9.5	20.894	4.571	13.8	15.	22.	24.35
00025	BAROMETRIC PRESSURE (MM OF HG)	11/22/82-06/25/92	7	588.	627.	745.	575.	4082.667	63.896	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	30	32.	39.467	159.	6.	1278.189	35.752	10.2	20.	43.	70.9
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	63	21.	43.349	185.	5.	2422.554	49.219	9.	13.	47.	156.6
00080	COLOR (PLATINUM-COBALT UNITS)	10/05/66-07/16/73	13	5.	7.692	20.	0.	36.397	6.033	1.6	4.5	10.	20.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	44	91.	92.386	120.	64.	187.033	13.676	76.5	80.75	101.75	111.5
00300p	OXYGEN, DISSOLVED MG/L	12/28/67-06/25/92	24	8.4	8.354	10.6	4.5	2.232	1.494	6.15	7.5	9.475	10.35
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	44	7.6	7.575	8.34	6.6	0.183	0.428	6.9	7.4	7.875	8.2
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	44	7.6	7.359	8.34	6.6	0.231	0.481	6.9	7.4	7.875	8.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	44	0.025	0.044	0.251	0.005	0.003	0.052	0.006	0.013	0.04	0.126
00403	PH, LAB, STANDARD UNITS SU	11/06/80-03/27/92	10	8.	7.98	8.7	7.4	0.146	0.382	7.41	7.725	8.175	8.67
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-03/27/92	10	8.	7.842	8.7	7.4	0.167	0.409	7.41	7.725	8.175	8.67
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-03/27/92	10	0.01	0.014	0.04	0.002	0.	0.012	0.002	0.007	0.02	0.039
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/65-05/27/87	19	37.	37.579	46.	26.	26.368	5.135	33.	34.	42.	45.
00440	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	25	46.	47.24	62.	32.	40.69	6.379	40.6	44.	51.5	56.4
00445	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	25	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/02/72-06/25/92	11	0.06	0.099	0.41	0.005	0.016	0.125	0.005	0.01	0.13	0.378
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/22/73-06/25/92	7 ##	0.005	0.039	0.1	0.005	0.002	0.044	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/02/72-06/25/92	12	0.315	0.394	1.1	0.1	0.1	0.317	0.1	0.1	0.65	0.98
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/22/73-06/25/92	12 ##	0.045	0.035	0.05	0.	0.	0.019	0.003	0.014	0.05	0.05
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/06/71-06/25/92	13 ##	0.05	0.314	3.6	0.	0.975	0.988	0.	0.018	0.05	2.2
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/27/68-06/25/92	22	0.01	0.055	0.84	0.005	0.031	0.176	0.005	0.01	0.023	0.05
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/06/80-06/25/92	11	0.01	0.015	0.04	0.005	0.	0.012	0.005	0.005	0.02	0.038
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/06/71-06/25/92	10	0.005	0.005	0.01	0.	0.	0.004	0.	0.	0.01	0.01
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/29/74-09/27/82	9	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	31	42.	43.032	53.	30.	27.966	5.288	36.4	41.	47.	50.8
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	28	5.	5.036	11.	1.	5.739	2.396	2.	4.	6.	8.3
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/62-03/27/92	35	15.	14.4	17.	11.	2.6	1.612	12.	13.	16.	16.4
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/62-03/27/92	35	1.5	1.509	2.9	0.6	0.17	0.412	1.1	1.3	1.6	1.9
00930p	SODIUM, DISSOLVED (MG/L AS NA)	11/06/62-03/27/92	35	1.1	1.154	1.8	0.7	0.061	0.247	0.8	1.	1.3	1.54
00931p	SODIUM ADSORPTION RATIO	11/06/62-03/25/86	28	0.1	0.096	0.1	0.	0.	0.019	0.1	0.1	0.1	0.1
00932p	SODIUM, PERCENT	11/09/66-11/26/85	19	6.	5.421	8.	3.	1.591	1.261	4.	4.	6.	7.
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/62-03/27/92	35	0.5	0.663	3.8	0.3	0.448	0.669	0.4	0.4	0.6	0.74
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	37	0.4	0.596	4.	0.05	0.449	0.67	0.18	0.3	0.65	0.92
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/06/62-03/27/92	34	7.	6.809	10.	0.5	3.	1.732	5.	6.	8.	9.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/62-03/27/92	35	0.2	0.186	0.5	0.05	0.009	0.097	0.1	0.1	0.2	0.3
00955p	SILICA, DISSOLVED (MG/L AS SI02)	11/06/62-03/27/92	35	6.	6.014	6.9	4.9	0.212	0.461	5.36	5.8	6.3	6.62
01002	ARSENIC, TOTAL (UG/L AS AS)	11/20/73-09/27/82	9 ##	0.5	0.611	1.	0.	0.111	0.333	0.	0.5	1.	1.
01005p	BARIUM, DISSOLVED (UG/L AS BA)	10/15/69-03/27/92	7	23.	23.857	30.	20.	9.81	3.132	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	11/20/73-09/27/82	9 ##	50.	72.222	200.	0.	3194.444	56.519	0.	50.	100.	200.
01020	BORON, DISSOLVED (UG/L AS B)	12/23/63-03/22/73	16	25.	28.75	80.	0.	625.	25.	0.	2.5	50.	66.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/20/73-09/27/82	9 ##	1.	4.611	10.	0.	26.236	5.122	0.	0.	10.	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/20/73-09/27/82	9 ##	0.	3.889	20.	0.	48.611	6.972	0.	0.	7.5	20.
01042	COPPER, TOTAL (UG/L AS CU)	11/20/73-09/27/82	9 ##	5.	5.5	10.	0.	20.125	4.486	0.	1.25	10.	10.
01045	IRON, TOTAL (UG/L AS FE)	11/20/73-09/27/82	9	80.	76.111	130.	5.	2186.111	46.756	5.	25.	115.	130.
01046p	IRON, DISSOLVED (UG/L AS FE)	11/30/67-03/27/92	14	29.5	32.5	80.	0.	627.038	25.041	0.	12.25	47.	76.
01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-09/27/82	9 ##	4.	45.389	100.	0.	2685.361	51.82	0.	1.25	100.	100.
01055	MANGANESE, TOTAL (UG/L AS MN)	11/20/73-09/27/82	9 ##	5.	5.889	10.	0.	9.611	3.1	0.	5.	9.	10.
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	10/15/69-03/27/92	7	2.	1.857	4.	0.5	1.726	1.314	**	**	**	**
01075p	SILVER, DISSOLVED (UG/L AS AG)	10/15/69-03/27/92	7 ##	0.5	0.357	0.5	0.	0.06	0.244	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	11/20/73-09/27/82	9 ##	0.5	4.5	10.	0.	27.25	5.22	0.	0.	10.	10.
01092	ZINC, TOTAL (UG/L AS ZN)	11/20/73-09/27/82	9	10.	12.222	30.	0.	94.444	9.718	0.	5.	20.	30.
01145p	SELENIUM, DISSOLVED (UG/L AS SE)	05/02/72-03/27/92	7 ##	0.5	0.357	0.5	0.	0.06	0.244	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/20/73-09/27/82	9 ##	0.5	0.556	2.	0.	0.34	0.583	0.	0.25	0.5	2.
03515p	BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	10	1.05	0.99	1.5	0.5	0.137	0.37	0.5	0.65	1.325	1.49
03516p	BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	10 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
09511p	RADIUM 226, DISSOLVED, RADON METHOD	10/23/67-11/18/91	10	0.04	0.038	0.07	0.02	0.	0.015	0.02	0.028	0.043	0.068
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/16/68-09/11/80	12	10.5	30.75	172.	3.	2343.841	48.413	3.	4.75	31.75	141.4

** - 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

Seasonal Analysis for Season #1: 7/15 to 10/14 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/16/68-09/11/80	12	1.017	1.14	2.236	0.477	0.301	0.549	0.477	0.663	1.501	2.118
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			13.818								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/04/76-06/25/92	14	2.	3.143	8.	0.	7.209	2.685	0.	1.	5.25	8.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/04/76-06/25/92	14	0.301	0.398	0.903	0.	0.113	0.336	0.	0.	0.719	0.903
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			2.498								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/03/77-06/25/92	14	24.5	69.679	260.	0.5	7058.754	84.016	2.25	10.	103.5	240.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/03/77-06/25/92	14	1.389	1.437	2.415	-0.301	0.554	0.744	0.151	1.	2.002	2.379
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			27.362								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/29/69-01/06/77	7	8.	20.714	63.	0.	544.571	23.336	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/29/69-01/06/77	7	0.903	1.024	1.799	0.	0.373	0.611	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			10.578								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	10	0.	0.015	0.1	0.	0.001	0.034	0.	0.	0.013	0.095
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	10/23/67-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/23/67-09/27/82	10	0.	0.015	0.1	0.	0.001	0.034	0.	0.	0.013	0.095
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/05/70-09/27/82	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	10/05/70-09/27/82	10	0.	0.1	0.5	0.	0.044	0.211	0.	0.	0.125	0.5
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	10	0.1	0.315	1.2	0.	0.209	0.457	0.	0.	0.575	1.19
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	10	0.55	0.66	2.	0.	0.358	0.599	0.01	0.175	0.9	1.92
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	10	0.4	0.71	3.5	0.	1.085	1.042	0.	0.075	0.925	3.25
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/23/67-09/27/82	10	0.	0.015	0.1	0.	0.001	0.034	0.	0.	0.013	0.095
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	10	0.	0.015	0.1	0.	0.001	0.034	0.	0.	0.013	0.095
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/25/74-09/27/82	9	0.	0.056	0.5	0.	0.028	0.167	0.	0.	0.	0.5
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	09/25/74-09/27/82	9	0.	0.556	5.	0.	2.778	1.667	0.	0.	0.	5.
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	10	0.	0.015	0.1	0.	0.001	0.034	0.	0.	0.013	0.095
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/05/70-09/27/82	10	0.	0.015	0.1	0.	0.001	0.034	0.	0.	0.013	0.095
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/20/73-09/27/82	9	0.	0.006	0.05	0.	0.	0.017	0.	0.	0.	0.05
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/20/73-09/27/82	9	0.	0.056	0.5	0.	0.028	0.167	0.	0.	0.	0.5
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	10/15/69-09/27/82	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)	10/15/69-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	10/15/69-09/27/82	10	0.	0.001	0.005	0.	0.	0.002	0.	0.	0.	0.005
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/62-03/27/92	35	58.	55.6	75.	41.	52.894	7.273	46.6	50.	60.	64.8
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/30/67-03/25/86	16	53.	53.75	65.	41.	34.2	5.848	47.3	50.25	59.25	62.2
70302p	SOLIDS, DISSOLVED-TONS PER DAY	12/23/63-01/19/83	22	3.495	4.457	20.8	0.84	17.073	4.132	1.503	2.24	4.538	8.038
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/06/62-01/19/83	22	0.07	0.074	0.1	0.06	0.	0.01	0.06	0.07	0.08	0.087
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/07/69-08/26/91	10	77.5	72.9	95.	24.	420.767	20.513	27.5	65.	87.25	94.9
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/06/62-03/22/73	16	0.1	0.075	0.2	0.	0.006	0.077	0.	0.	0.1	0.2
71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-09/27/82	9 ##	0.25	0.222	0.8	0.	0.058	0.24	0.	0.05	0.25	0.8
80030p	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/23/67-11/18/91	10 ##	0.675	0.815	1.5	0.2	0.229	0.478	0.22	0.4	1.275	1.5
80040p	ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/23/67-11/18/91	10 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
80050p	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	10	0.9	0.84	1.2	0.5	0.056	0.237	0.5	0.65	1.025	1.19
80060p	BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	10 ##	0.2	0.2	0.2	0.2	0.	0.	0.2	0.2	0.2	0.2
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	61	5.	25.59	502.	0.	7362.246	85.804	1.	2.	15.5	42.2
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	53	0.24	2.601	24.	0.	29.133	5.397	0.024	0.075	1.5	9.68

** - 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: 10/15 to 3/14 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	113	0.5	1.119	9.	0.	3.577	1.891	0.	0.	1.25	4.3
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/15/70-06/25/92	39	6.5	5.679	16.	-10.	37.546	6.127	1.	2.5	11.	15.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/22/82-06/25/92	12	578.	588.917	648.	562.	752.992	27.441	564.4	572.25	596.25	645.6
00060	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	43	6.	7.628	21.	2.	20.239	4.499	3.4	5.	9.	17.
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	82	6.5	8.024	30.	1.	28.222	5.312	3.	5.	10.	16.
00080	COLOR (PLATINUM-COBALT UNITS)	10/05/66-07/16/73	23	3.	3.565	10.	0.	7.257	2.694	0.	2.	5.	8.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	76	114.	117.711	223.	34.	758.608	27.543	97.7	105.	122.75	138.6
00300p	OXYGEN, DISSOLVED MG/L	12/28/67-06/25/92	51	10.8	10.673	12.8	4.3	1.941	1.393	9.22	10.1	11.4	12.2
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	74	7.7	7.67	8.7	6.5	0.228	0.478	7.1	7.3	8.	8.3
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	74	7.7	7.403	8.7	6.5	0.301	0.549	7.1	7.3	8.	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	74	0.02	0.04	0.316	0.002	0.003	0.055	0.005	0.01	0.05	0.079
00403	PH, LAB, STANDARD UNITS SU	11/06/80-03/27/92	17	7.8	7.865	8.4	6.9	0.116	0.341	7.46	7.75	8.1	8.32
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-03/27/92	17	7.8	7.696	8.4	6.9	0.146	0.383	7.46	7.75	8.1	8.32
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-03/27/92	17	0.016	0.02	0.126	0.004	0.001	0.028	0.005	0.008	0.018	0.045
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/65-05/27/87	32	46.	47.375	75.	40.	40.306	6.349	41.	43.25	49.75	53.
00440	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	41	58.	60.561	114.	16.	307.652	17.54	50.2	55.	62.	87.
00445	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/02/72-06/25/92	17	0.03	0.04	0.15	0.	0.002	0.04	0.004	0.015	0.05	0.126
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/22/73-06/25/92	11	0.04	0.046	0.15	0.	0.002	0.047	0.001	0.005	0.08	0.138
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/02/72-06/25/92	17	0.3	0.486	2.3	0.1	0.333	0.577	0.1	0.1	0.495	1.58
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/22/73-06/25/92	25	0.07	0.067	0.13	0.	0.001	0.038	0.006	0.04	0.1	0.114
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/06/71-06/25/92	21 ##	0.05	0.052	0.1	0.	0.001	0.029	0.005	0.038	0.06	0.1
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/27/68-06/25/92	36	0.01	0.012	0.06	0.	0.	0.013	0.004	0.005	0.01	0.026
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/06/80-06/25/92	17	0.01	0.013	0.04	0.005	0.	0.011	0.005	0.005	0.02	0.032
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/06/71-06/25/92	17 ##	0.005	0.009	0.04	0.	0.	0.01	0.	0.005	0.01	0.024
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/29/74-09/27/82	3	0.	0.003	0.01	0.	0.	0.006	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	54	55.	56.352	108.	12.	213.93	14.626	47.	51.5	58.25	65.5
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	49	7.	7.918	17.	0.	13.327	3.651	4.	6.	10.	14.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/62-03/27/92	62	19.	19.213	37.	3.	24.384	4.938	16.	18.	20.	21.7
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/62-03/27/92	62	2.	2.016	3.8	0.6	0.228	0.477	1.53	1.8	2.2	2.47
00930p	SODIUM, DISSOLVED (MG/L AS NA)	11/06/62-03/27/92	62	1.7	1.979	13.	1.	2.281	1.51	1.3	1.5	1.9	2.64
00931p	SODIUM ADSORPTION RATIO	11/06/62-03/25/86	53	0.1	0.125	0.9	0.1	0.013	0.116	0.1	0.1	0.1	0.1
00932p	SODIUM, PERCENT	11/09/66-11/26/85	39	6.	7.462	41.	4.	37.308	6.108	5.	6.	7.	9.
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/62-03/27/92	62	0.5	0.526	0.9	0.3	0.018	0.133	0.4	0.4	0.6	0.77
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	63	0.7	0.943	6.	0.	0.906	0.952	0.4	0.6	1.	1.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/06/62-03/27/92	62	10.	10.306	19.	3.	7.921	2.814	7.	9.	12.	14.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/62-03/27/92	61	0.2	0.239	0.7	0.05	0.012	0.111	0.2	0.2	0.3	0.3
00955p	SILICA, DISSOLVED (MG/L AS SI02)	11/06/62-03/27/92	62	6.1	6.373	12.	5.	1.189	1.091	5.63	5.875	6.6	6.97
01002	ARSENIC, TOTAL (UG/L AS AS)	11/20/73-09/27/82	4 ##	0.75	1.	2.	0.5	0.5	0.707	**	**	**	**
01005p	BARIUM, DISSOLVED (UG/L AS BA)	10/15/69-03/27/92	11	26.	25.273	31.	12.	25.418	5.042	14.2	24.	28.	30.8
01007	BARIUM, TOTAL (UG/L AS BA)	11/20/73-09/27/82	4 ##	50.	62.5	100.	50.	625.	25.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	12/23/63-03/22/73	25	30.	31.6	100.	0.	822.333	28.676	0.	10.	45.	84.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/20/73-09/27/82	4 ##	6.5	5.75	10.	0.	25.583	5.058	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/20/73-09/27/82	4 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/20/73-09/27/82	4 ##	7.	6.75	10.	3.	14.25	3.775	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/20/73-09/27/82	4	40.	45.	90.	10.	1366.667	36.968	**	**	**	**
01046p	IRON, DISSOLVED (UG/L AS FE)	11/30/67-03/27/92	21	10.	16.571	110.	0.	616.157	24.823	0.	2.	15.	48.
01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-09/27/82	4 ##	63.	58.25	100.	7.	2384.25	48.829	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/20/73-09/27/82	4 ##	5.	7.5	20.	0.	75.	8.66	**	**	**	**
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	10/15/69-03/27/92	11	1.	1.5	4.	0.5	1.45	1.204	0.5	0.5	2.	3.8
01075p	SILVER, DISSOLVED (UG/L AS AG)	10/15/69-03/27/92	11 ##	0.5	0.545	1.	0.	0.073	0.27	0.1	0.5	0.5	1.
01077	SILVER, TOTAL (UG/L AS AG)	11/20/73-09/27/82	4 ##	5.	5.	10.	0.	33.333	5.774	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/20/73-09/27/82	4 ##	10.	15.	30.	10.	100.	10.	**	**	**	**
01145p	SELENIUM, DISSOLVED (UG/L AS SE)	05/02/72-03/27/92	10 ##	0.5	0.45	0.5	0.	0.025	0.158	0.05	0.5	0.5	0.5
01147	SELENIUM, TOTAL (UG/L AS SE)	11/20/73-09/27/82	4 ##	0.5	0.75	2.	0.	0.75	0.866	**	**	**	**
03515p	BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	12	1.05	1.208	2.7	0.7	0.297	0.545	0.73	0.825	1.475	2.34
03516p	BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	12 ##	0.225	0.271	0.6	0.2	0.013	0.114	0.2	0.2	0.3	0.51
09511p	RADIUM 226, DISSOLVED, RADON METHOD	10/23/67-11/18/91	12	0.045	0.055	0.13	0.02	0.001	0.031	0.023	0.04	0.073	0.118
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/16/68-09/11/80	29	2.	10.793	100.	0.	445.813	21.114	0.	0.	14.	42.

** - 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: 10/15 to 3/14 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/16/68-09/11/80	29	0.301	0.533	2.	0.	0.419	0.647	0.	0.	1.142	1.623
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			3.415								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/04/76-06/25/92	25	0.5	2.56	48.	0.	90.444	9.51	0.	0.	1.	2.8
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/04/76-06/25/92	25	-0.301	-0.114	1.681	-5.301	1.299	1.14	0.	0.	0.	0.421
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			0.77								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/03/77-06/25/92	22	5.	19.341	140.	0.	1203.223	34.688	0.	1.	21.25	80.8
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/03/77-06/25/92	22	0.699	0.77	2.146	-0.301	0.504	0.71	0.	0.	1.325	1.867
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			5.888								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/29/69-01/06/77	16	1.	2.563	11.	0.	11.329	3.366	0.	0.	5.	8.9
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/29/69-01/06/77	16	0.	0.301	1.041	0.	0.149	0.386	0.	0.	0.699	0.945
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			2.001								
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	10/23/67-09/27/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39343	GAMMA-BHC(LINDANE),SEDIMENTS,DRY WGT,UG/KG	10/23/67-09/27/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/05/70-09/27/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/05/70-09/27/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	2	1.2	1.2	2.2	0.2	2.	1.414	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	2	0.7	0.7	1.3	0.1	0.72	0.849	**	**	**	**
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	3	0.	0.003	0.01	0.	0.	0.006	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	2	1.35	1.35	1.5	1.2	0.045	0.212	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/23/67-09/27/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/67-09/27/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/23/67-09/27/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39423	HEPTACHLOR EPOXIDE IN BOT. DEP. (UG/KG DRY SOL.)	10/05/70-09/27/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	11/20/73-09/27/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39519	PCBS IN BOTTOM DEPOSITS (UG/KG DRY SOLIDS)	11/20/73-09/27/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39570	DIAZINON IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	10/05/70-09/27/82	1	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	10/15/69-09/27/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	10/15/69-09/27/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	10/15/69-09/27/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/62-03/27/92	62	71.	74.532	138.	36.	288.056	16.972	59.	67.75	77.25	87.7
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/30/67-03/25/86	38	68.	69.026	105.	54.	70.999	8.426	59.8	63.75	73.25	77.
70302p	SOLIDS, DISSOLVED-TONS PER DAY	12/23/63-01/19/83	40	1.155	1.551	6.33	0.22	1.439	1.2	0.654	0.895	1.8	3.11
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/06/62-01/19/83	41	0.1	0.099	0.19	0.08	0.	0.017	0.082	0.09	0.1	0.11
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/07/69-08/26/91	8	85.	77.25	100.	32.	543.643	23.316	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/06/62-03/22/73	25	0.1	0.124	0.4	0.	0.014	0.116	0.	0.	0.2	0.3
71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-09/27/82	4 ##	0.175	0.163	0.25	0.05	0.011	0.103	**	**	**	**
80030p	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/23/67-11/18/91	12	1.1	1.3	3.1	0.5	0.504	0.71	0.56	0.825	1.725	2.74
80040p	ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/23/67-11/18/91	12 ##	0.2	0.233	0.3	0.2	0.002	0.049	0.2	0.2	0.3	0.3
80050p	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	12	0.9	1.025	2.2	0.6	0.186	0.431	0.63	0.725	1.2	1.93
80060p	BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	12 ##	0.225	0.271	0.6	0.2	0.013	0.114	0.2	0.2	0.3	0.51
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	80	3.	11.1	246.	0.	1061.357	32.578	0.	1.	5.	24.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	69	0.04	0.179	3.4	0.	0.219	0.468	0.	0.02	0.105	0.37

** - 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 #3: 3/15 to 5/19 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	75	3.	4.179	14.	0.	12.247	3.5	0.	1.5	6.5	10.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/15/70-06/25/92	20	7.5	7.45	17.	0.	20.471	4.524	1.	4.125	10.	14.25
00025	BAROMETRIC PRESSURE (MM OF HG)	11/22/82-06/25/92	6	582.5	607.167	722.	576.	3235.367	56.88	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	19	19.	38.684	147.	1.	1684.784	41.046	5.	11.	59.	108.
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	68	22.5	45.029	350.	3.	2801.014	52.925	8.9	15.25	69.75	119.
00080	COLOR (PLATINUM-COBALT UNITS)	10/05/66-07/16/73	9	5.	8.778	35.	0.	129.444	11.377	0.	2.5	12.5	35.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	36	100.5	100.361	130.	60.	384.409	19.606	70.7	84.5	118.	125.3
00300p	OXYGEN, DISSOLVED MG/L	12/28/67-06/25/92	21	10.8	10.724	13.4	8.9	1.337	1.156	9.06	9.8	11.25	12.66
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	35	7.7	7.703	8.7	6.9	0.204	0.452	7.	7.3	8.	8.3
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	35	7.7	7.489	8.7	6.9	0.252	0.502	7.	7.3	8.	8.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	35	0.02	0.032	0.126	0.002	0.001	0.033	0.005	0.01	0.05	0.1
00403	PH, LAB, STANDARD UNITS SU	11/06/80-03/27/92	9	8.	7.978	8.3	7.7	0.027	0.164	7.7	7.9	8.	8.3
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-03/27/92	9	8.	7.951	8.3	7.7	0.028	0.167	7.7	7.9	8.	8.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-03/27/92	9	0.01	0.011	0.02	0.005	0.	0.004	0.005	0.01	0.013	0.02
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/65-05/27/87	19	39.	37.368	55.	0.	183.246	13.537	21.	29.	48.	53.
00440	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	19	48.	46.053	65.	26.	132.497	11.511	32.	35.	58.	61.
00445	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	17	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/02/72-06/25/92	10	0.025	0.032	0.09	0.005	0.001	0.03	0.005	0.005	0.05	0.089
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/22/73-06/25/92	10	0.02	0.039	0.12	0.005	0.002	0.041	0.005	0.009	0.07	0.118
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/02/72-06/25/92	10	0.155	0.228	0.59	0.04	0.031	0.176	0.046	0.1	0.355	0.571
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/22/73-06/25/92	13	0.05	0.047	0.09	0.	0.001	0.026	0.004	0.028	0.065	0.086
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/06/71-06/25/92	15	0.04	0.042	0.1	0.	0.001	0.031	0.	0.02	0.05	0.1
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/27/68-06/25/92	21	0.01	0.015	0.05	0.	0.	0.012	0.001	0.01	0.025	0.03
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/06/80-06/25/92	8	0.01	0.013	0.02	0.005	0.	0.006	**	**	**	**
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/06/71-06/25/92	13	0.005	0.009	0.03	0.	0.	0.009	0.	0.003	0.015	0.026
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/29/74-09/27/82	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	25	44.	44.16	60.	30.	114.39	10.695	30.6	34.	56.	57.2
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	23	6.	6.478	14.	0.	11.897	3.449	2.	4.	9.	11.6
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/62-03/27/92	29	17.	16.172	22.	10.	12.291	3.506	11.	13.	19.	21.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/62-03/27/92	29	1.9	1.759	2.3	0.9	0.171	0.414	1.2	1.35	2.1	2.3
00930p	SODIUM, DISSOLVED (MG/L AS NA)	11/06/62-03/27/92	29	1.5	1.372	2.4	0.6	0.17	0.412	0.7	1.1	1.6	1.8
00931p	SODIUM ADSORPTION RATIO	11/06/62-03/25/86	23	0.1	0.087	0.1	0.	0.001	0.034	0.	0.1	0.1	0.1
00932p	SODIUM, PERCENT	11/09/66-11/26/85	19	6.	5.895	8.	3.	2.099	1.449	4.	5.	7.	8.
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/62-03/27/92	29	0.5	0.607	1.8	0.3	0.101	0.318	0.3	0.4	0.7	0.9
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	31	0.8	0.79	2.	0.1	0.176	0.42	0.2	0.6	1.	1.
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/06/62-03/27/92	29	9.	8.552	12.	2.	6.042	2.458	5.	6.5	11.	11.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/62-03/27/92	29	0.2	0.217	0.4	0.1	0.005	0.071	0.1	0.2	0.3	0.3
00955p	SILICA, DISSOLVED (MG/L AS SI02)	11/06/62-03/27/92	29	6.3	6.086	7.2	4.3	0.616	0.785	4.9	5.55	6.7	7.
01002	ARSENIC, TOTAL (UG/L AS AS)	11/20/73-09/27/82	3 ##	0.5	0.333	0.5	0.	0.083	0.289	**	**	**	**
01005p	BARIUM, DISSOLVED (UG/L AS BA)	10/15/69-03/27/92	9	23.	21.778	30.	0.	76.194	8.729	0.	21.	27.	30.
01007	BARIUM, TOTAL (UG/L AS BA)	11/20/73-09/27/82	3 ##	50.	100.	200.	50.	7500.	86.603	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	12/23/63-03/22/73	12	10.	26.667	130.	0.	1569.697	39.619	0.	0.	45.	112.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/20/73-09/27/82	3	3.	7.667	20.	0.	116.333	10.786	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/20/73-09/27/82	3 ##	10.	10.	20.	0.	100.	10.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/20/73-09/27/82	3	5.	5.	10.	0.	25.	5.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/20/73-09/27/82	3	30.	96.667	240.	20.	15433.333	124.231	**	**	**	**
01046p	IRON, DISSOLVED (UG/L AS FE)	11/30/67-03/27/92	17	40.	48.176	120.	0.	1308.904	36.179	4.	15.	83.5	102.4
01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-09/27/82	4	3.5	26.75	100.	0.	2388.917	48.877	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/20/73-09/27/82	3 ##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	10/15/69-03/27/92	9	2.	3.056	13.	0.5	16.09	4.011	0.5	0.5	4.	13.
01075p	SILVER, DISSOLVED (UG/L AS AG)	10/15/69-03/27/92	9 ##	0.5	0.444	1.	0.	0.09	0.3	0.	0.25	0.5	1.
01077	SILVER, TOTAL (UG/L AS AG)	11/20/73-09/27/82	3 ##	1.	3.667	10.	0.	30.333	5.508	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/20/73-09/27/82	3	20.	23.333	40.	10.	233.333	15.275	**	**	**	**
01145p	SELENIUM, DISSOLVED (UG/L AS SE)	05/02/72-03/27/92	9 ##	0.5	0.389	0.5	0.	0.049	0.22	0.	0.25	0.5	0.5
01147	SELENIUM, TOTAL (UG/L AS SE)	11/20/73-09/27/82	3 ##	0.5	0.333	0.5	0.	0.083	0.289	**	**	**	**
03515p	BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**	**
03516p	BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
09511p	RADIUM 226, DISSOLVED, RADON METHOD	10/23/67-11/18/91	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/16/68-09/11/80	13	4.	14.	75.	0.	508.333	22.546	0.	0.5	23.	62.2

** - 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 #3: 3/15 to 5/19 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/16/68-09/11/80	13	0.602	0.263	1.875	-5.301	3.204	1.79	0.	-2.651	1.351	1.778
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			1.831								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/04/76-06/25/92	14	0.75	49.429	600.	0.	25294.841	159.044	0.	0.	19.	324.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/04/76-06/25/92	14	-0.151	0.114	2.778	-5.301	3.242	1.801	0.	0.	1.279	2.23
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			1.299								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/03/77-06/25/92	14	5.5	7.143	28.	0.	70.286	8.384	0.	1.5	8.75	24.5
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/03/77-06/25/92	14	0.739	0.247	1.447	-5.301	2.754	1.659	0.	-1.099	0.92	1.385
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			1.768								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/29/69-01/06/77	4	5.	4.5	8.	0.	11.	3.317	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/29/69-01/06/77	4	0.699	0.575	0.903	0.	0.156	0.395	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			3.761								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/62-03/27/92	29	68.	64.966	89.	38.	154.106	12.414	44.	56.5	74.	78.
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/30/67-03/25/86	20	59.5	58.5	76.	36.	174.263	13.201	39.3	46.25	70.5	74.9
70302p	SOLIDS, DISSOLVED-TONS PER DAY	12/23/63-01/19/83	20	4.005	5.795	19.7	0.87	22.374	4.73	1.163	2.56	8.183	12.98
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/06/62-01/19/83	20	0.08	0.084	0.12	0.05	0.	0.019	0.06	0.07	0.1	0.109
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/07/69-08/26/91	7	93.	77.714	100.	33.	661.238	25.715	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/06/62-03/22/73	10	0.2	0.16	0.3	0.	0.007	0.084	0.01	0.1	0.2	0.29
71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-09/27/82	4 ##	0.175	0.3	0.8	0.05	0.118	0.344	**	**	**	**
80030p	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/23/67-11/18/91	1	1.1	1.1	1.1	1.1	0.	0.	**	**	**	**
80040p	ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/23/67-11/18/91	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
80050p	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**
80060p	BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	1 ##	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	64	4.	7.719	115.	0.	223.38	14.946	1.	2.	8.	19.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	58	0.315	1.441	22.	0.	10.907	3.303	0.019	0.087	1.3	4.37

** - 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 #4: 5/20 to 7/14 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/05/66-06/25/92	53	9.4	9.919	19.	3.	16.788	4.097	5.	6.5	13.	15.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	04/15/70-06/25/92	23	22.	20.865	29.	10.5	22.236	4.716	13.4	18.	24.	27.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/22/82-06/25/92	10	571.5	516.5	587.	6.	32252.722	179.59	61.4	563.	582.	586.8
00060	FLOW, STREAM, MEAN DAILY CFS	12/23/63-02/07/74	15	22.	49.2	188.	5.	2807.457	52.985	7.4	12.	81.	149.6
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/10/67-06/25/92	45	56.	107.	582.	6.	17653.591	132.867	9.	20.5	159.	296.4
00080	COLOR (PLATINUM-COBALT UNITS)	10/05/66-07/16/73	8	4.5	5.	15.	0.	23.429	4.84	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/62-06/25/92	34	75.5	78.765	116.	48.	252.67	15.896	59.	66.5	90.5	100.
00300p	OXYGEN, DISSOLVED MG/L	12/28/67-06/25/92	24	8.55	8.383	10.8	6.6	1.016	1.008	6.75	7.575	9.1	9.5
00400p	PH (STANDARD UNITS)	11/06/62-06/25/92	36	7.6	7.708	9.	6.6	0.267	0.517	7.07	7.4	8.	8.43
00400p	CONVERTED PH (STANDARD UNITS)	11/06/62-06/25/92	36	7.6	7.444	9.	6.6	0.339	0.582	7.07	7.4	8.	8.43
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/62-06/25/92	36	0.025	0.036	0.251	0.001	0.002	0.046	0.004	0.01	0.04	0.086
00403	PH, LAB, STANDARD UNITS SU	11/06/80-03/27/92	11	7.9	7.855	8.4	7.2	0.091	0.301	7.28	7.7	8.	8.34
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-03/27/92	11	7.9	7.748	8.4	7.2	0.103	0.321	7.28	7.7	8.	8.34
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-03/27/92	11	0.013	0.018	0.063	0.004	0.	0.016	0.005	0.01	0.02	0.056
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/65-05/27/87	14	36.5	32.714	47.	0.	136.681	11.691	12.5	26.75	39.25	46.
00440	BICARBONATE ION (MG/L AS HCO3)	11/06/62-05/04/78	16	45.	43.5	60.	31.	87.467	9.352	31.	34.	49.	57.9
00445	CARBONATE ION (MG/L AS CO3)	11/06/62-05/04/78	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/02/72-06/25/92	12	0.05	0.053	0.11	0.005	0.001	0.034	0.01	0.023	0.078	0.107
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/22/73-06/25/92	9	0.03	0.043	0.12	0.005	0.001	0.036	0.005	0.02	0.065	0.12
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/02/72-06/25/92	12	0.42	0.487	1.1	0.1	0.093	0.304	0.1	0.3	0.7	1.01
00630p	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/22/73-06/25/92	12	0.023	0.056	0.36	0.01	0.01	0.098	0.01	0.01	0.05	0.276
00631p	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	04/06/71-06/25/92	15 ##	0.05	0.05	0.2	0.	0.002	0.047	0.	0.025	0.05	0.128
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	11/27/68-06/25/92	21	0.01	0.011	0.03	0.	0.	0.008	0.005	0.005	0.02	0.02
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	11/06/80-06/25/92	12	0.01	0.013	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.027
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/06/71-06/25/92	14 ##	0.005	0.005	0.01	0.	0.	0.002	0.	0.005	0.005	0.008
00720	CYANIDE, TOTAL (MG/L AS CN) MG/L	05/29/74-09/27/82	3	0.	0.002	0.005	0.	0.	0.003	**	**	**	**
00900p	HARDNESS, TOTAL (MG/L AS CACO3)	11/06/62-03/25/86	21	41.	39.571	51.	26.	48.757	6.983	29.4	33.5	45.	48.6

** - 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 box-and-whisker plot

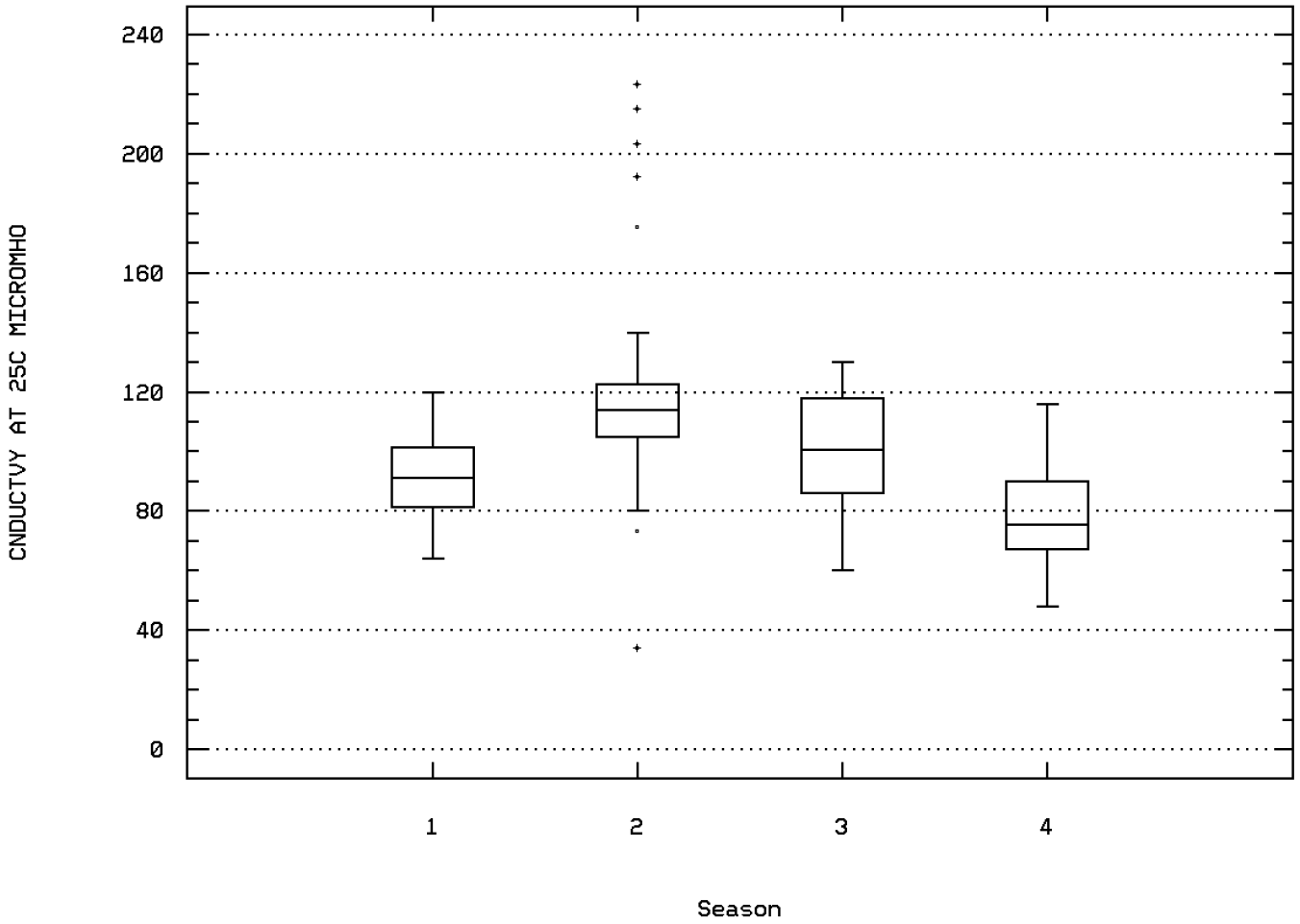
Seasonal Analysis for Season #4: 5/20 to 7/14 - Station PECO0050

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00902p	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	11/06/62-03/25/86	19	4.	5.	14.	1.	9.111	3.018	2.	4.	6.	10.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	11/06/62-03/27/92	29	13.	12.6	18.	8.7	6.389	2.528	9.8	10.	14.5	16.
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	11/06/62-03/27/92	29	1.4	1.393	3.	1.	0.156	0.395	1.	1.1	1.6	1.7
00930p	SODIUM, DISSOLVED (MG/L AS NA)	11/06/62-03/27/92	28	1.	1.082	1.7	0.6	0.084	0.291	0.8	0.825	1.3	1.6
00931p	SODIUM ADSORPTION RATIO	11/06/62-03/25/86	19	0.1	0.095	0.1	0.	0.001	0.023	0.1	0.1	0.1	0.1
00932p	SODIUM, PERCENT	11/09/66-11/26/85	14	5.	5.786	10.	4.	2.643	1.626	4.	5.	6.25	9.
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	11/06/62-03/27/92	28	0.5	0.566	0.9	0.4	0.015	0.124	0.4	0.5	0.675	0.71
00940p	CHLORIDE,TOTAL IN WATER MG/L	11/06/62-03/27/92	30	0.5	0.527	1.	0.	0.07	0.264	0.2	0.3	0.725	0.9
00945p	SULFATE, TOTAL (MG/L AS SO4)	11/06/62-03/27/92	28	6.	6.214	10.	2.5	3.638	1.907	2.95	5.	7.	9.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	11/06/62-03/27/92	28	0.13	0.159	0.3	0.05	0.007	0.085	0.05	0.1	0.2	0.3
00955p	SILICA, DISSOLVED (MG/L AS SI02)	11/06/62-03/27/92	28	5.65	5.775	7.6	4.7	0.512	0.715	5.	5.225	6.075	6.93
01002	ARSENIC, TOTAL (UG/L AS AS)	11/20/73-09/27/82	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01005p	BARIUM, DISSOLVED (UG/L AS BA)	10/15/69-03/27/92	9	19.	18.778	22.	14.	7.694	2.774	14.	16.5	21.	22.
01007	BARIUM, TOTAL (UG/L AS BA)	11/20/73-09/27/82	3 ##	50.	66.667	100.	50.	833.333	28.868	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	12/23/63-03/22/73	9	0.	6.667	30.	0.	100.	10.	0.	0.	10.	30.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/20/73-09/27/82	3 ##	10.	6.833	10.	0.5	30.083	5.485	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/20/73-09/27/82	3 ##	5.	8.333	20.	0.	108.333	10.408	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/20/73-09/27/82	3 ##	10.	7.667	10.	3.	16.333	4.041	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/20/73-09/27/82	3	180.	846.667	2300.	60.	1587733.333	1260.053	**	**	**	**
01046p	IRON, DISSOLVED (UG/L AS FE)	11/30/67-03/27/92	14	35.	39.786	100.	0.	1108.335	33.292	0.	12.75	59.25	97.5
01051	LEAD, TOTAL (UG/L AS PB)	05/02/72-09/27/82	3 ##	100.	67.	100.	1.	3267.	57.158	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/20/73-09/27/82	3	10.	108.333	310.	5.	30508.333	174.666	**	**	**	**
01056p	MANGANESE, DISSOLVED (UG/L AS MN)	10/15/69-03/27/92	10	2.	1.95	3.	1.	0.469	0.685	1.	1.375	2.25	3.
01075p	SILVER, DISSOLVED (UG/L AS AG)	10/15/69-03/27/92	9 ##	0.5	0.611	1.	0.5	0.049	0.22	0.5	0.5	0.75	1.
01077	SILVER, TOTAL (UG/L AS AG)	11/20/73-09/27/82	3 ##	10.	6.833	10.	0.5	30.083	5.485	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/20/73-09/27/82	3	40.	53.333	110.	10.	2633.333	51.316	**	**	**	**
01145p	SELENIUM, DISSOLVED (UG/L AS SE)	05/02/72-03/27/92	9 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01147	SELENIUM, TOTAL (UG/L AS SE)	11/20/73-09/27/82	3 ##	0.5	1.	2.	0.5	0.75	0.866	**	**	**	**
03515p	BETA, DISSOLVED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	6	0.65	0.583	0.7	0.3	0.026	0.16	**	**	**	**
03516p	BETA, SUSPENDED GROSS, AS CS-137, PC/L	10/23/67-11/18/91	6 ##	0.3	0.383	0.6	0.2	0.03	0.172	**	**	**	**
09511p	RADIUM 226, DISSOLVED, RADON METHOD	10/23/67-11/18/91	5	0.05	0.056	0.09	0.02	0.001	0.026	**	**	**	**
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	10/16/68-09/11/80	8	41.5	41.25	65.	15.	220.5	14.849	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	10/16/68-09/11/80	8	1.615	1.584	1.813	1.176	0.037	0.192	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			38.355								
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	11/04/76-06/25/92	14	4.	19.679	200.	0.	2734.831	52.296	0.	0.75	15.5	109.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	11/04/76-06/25/92	14	0.588	0.643	2.301	0.	0.473	0.688	0.	0.	1.19	1.778
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			4.398								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/03/77-06/25/92	14	21.5	69.214	500.	0.	17089.412	130.726	3.5	13.	67.5	330.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	03/03/77-06/25/92	14	1.323	1.4	2.699	0.	0.414	0.644	0.423	1.11	1.829	2.452
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			25.12								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	07/29/69-01/06/77	4	4.	8.5	24.	2.	108.333	10.408	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	07/29/69-01/06/77	4	0.588	0.714	1.38	0.301	0.224	0.473	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			5.18								
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	11/06/62-03/27/92	27	51.	51.481	71.	20.	130.028	11.403	35.	46.	61.	64.4
70301p	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	11/30/67-03/25/86	13	51.	50.462	63.	40.	55.769	7.468	40.	43.	54.	62.6
70302p	SOLIDS, DISSOLVED-TONS PER DAY	12/23/63-01/19/83	15	4.35	6.431	23.	0.82	38.365	6.194	1.072	2.2	10.9	17.54
70303p	SOLIDS, DISSOLVED-TONS PER ACRE-FT	11/06/62-01/19/83	15	0.07	0.072	0.09	0.05	0.	0.012	0.056	0.06	0.08	0.09
70331p	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	05/07/69-08/26/91	9	75.	73.778	95.	51.	165.694	12.872	51.	64.	82.	95.
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	11/06/62-03/22/73	7	0.1	0.1	0.3	0.	0.013	0.115	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/02/72-09/27/82	3 ##	0.25	0.633	1.6	0.05	0.711	0.843	**	**	**	**
80030p	ALPHA,DISSOLVED GROSS,AS URANIUM-NATURAL,UG/L	10/23/67-11/18/91	6 ##	0.3	0.5	1.	0.2	0.152	0.39	**	**	**	**
80040p	ALPHA,SUSPENDED GROSS, AS URANIUM-NATURAL, UG/L	10/23/67-11/18/91	6 ##	0.25	0.25	0.3	0.2	0.003	0.055	**	**	**	**
80050p	BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	6 ##	0.4	0.45	0.7	0.3	0.031	0.176	**	**	**	**
80060p	BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L	10/23/67-11/18/91	6 ##	0.3	0.367	0.6	0.2	0.023	0.151	**	**	**	**
80154p	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	08/10/67-08/26/91	44	5.	102.273	2280.	0.	156144.994	395.152	1.	2.25	13.5	100.5
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	08/10/67-01/19/83	35	0.55	12.199	167.	0.	1050.263	32.408	0.07	0.22	3.6	47.4

** - 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

Station: PECO0050 Parameter Code: 00095

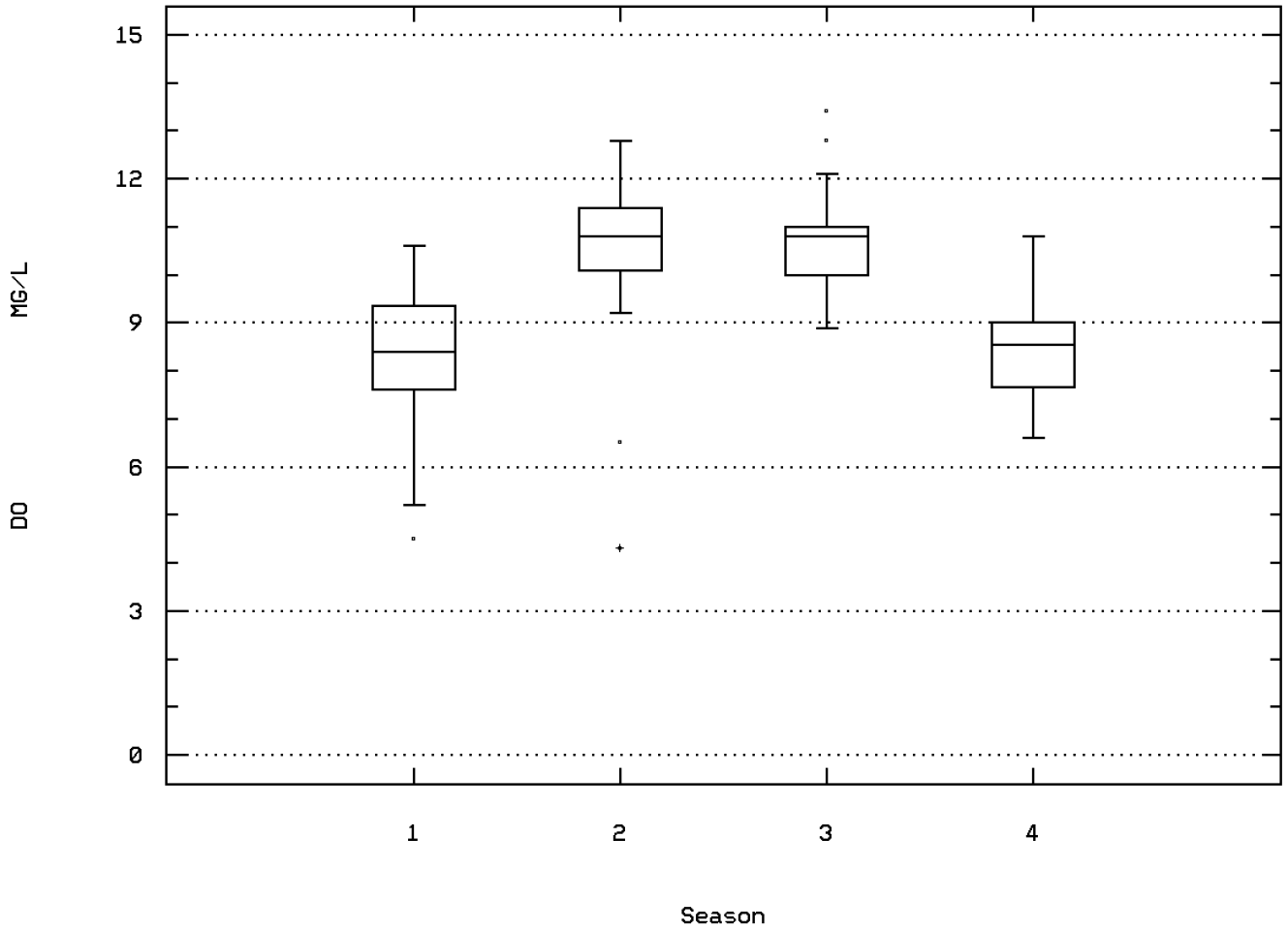
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00300

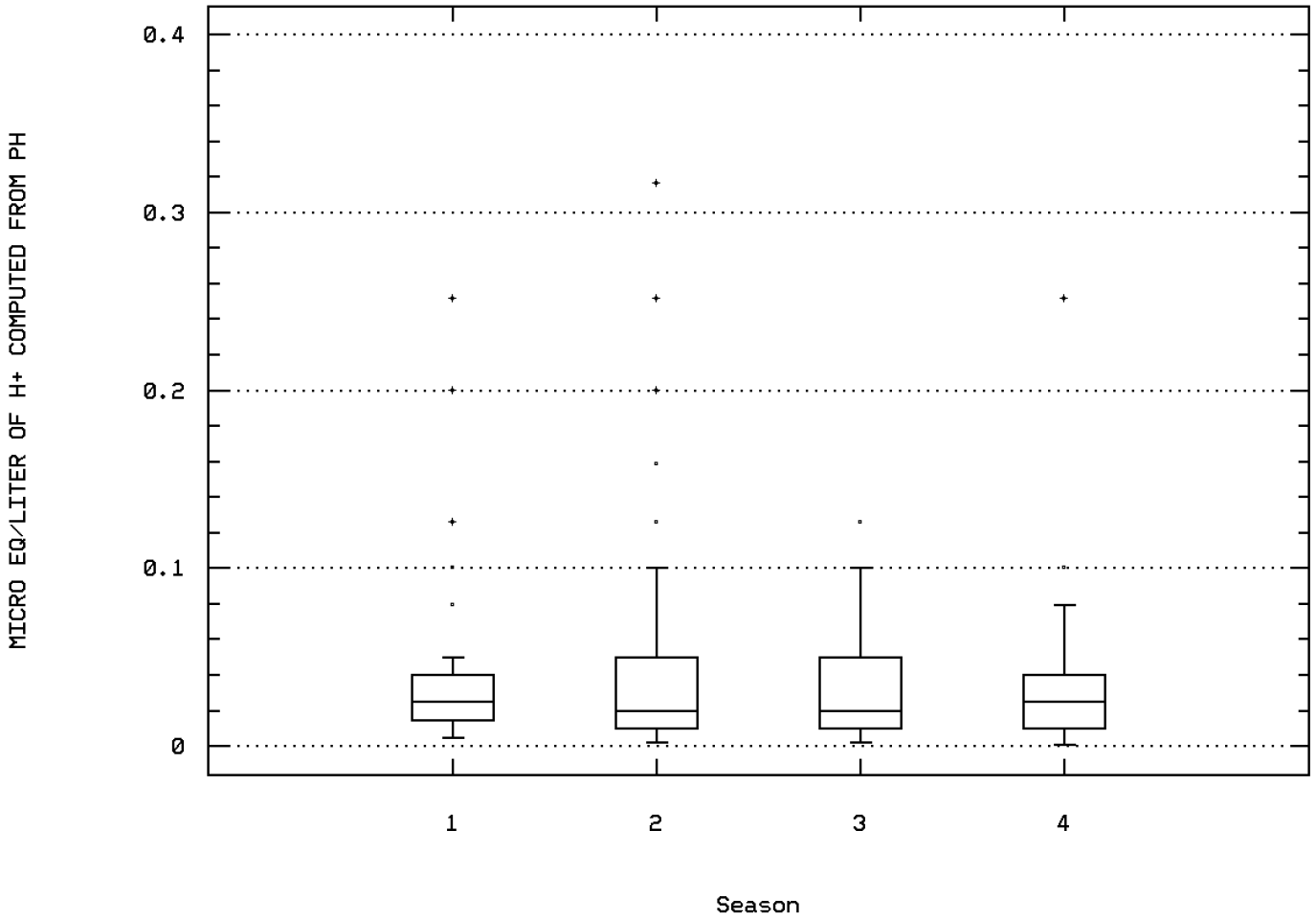
OXYGEN, DISSOLVED



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00400

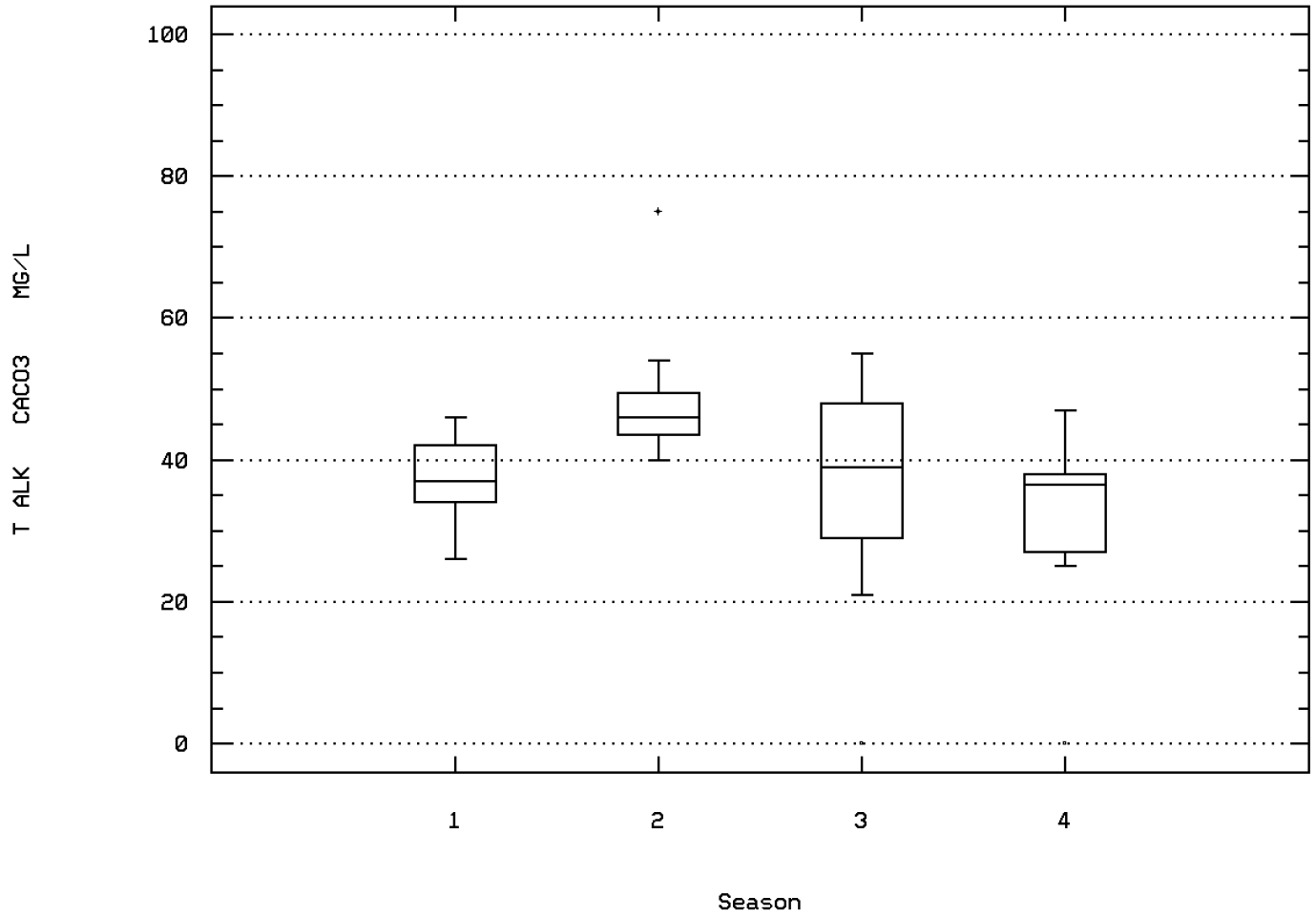
MICRO EQ/LITER OF H+ COMPUTED FROM PH



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00410

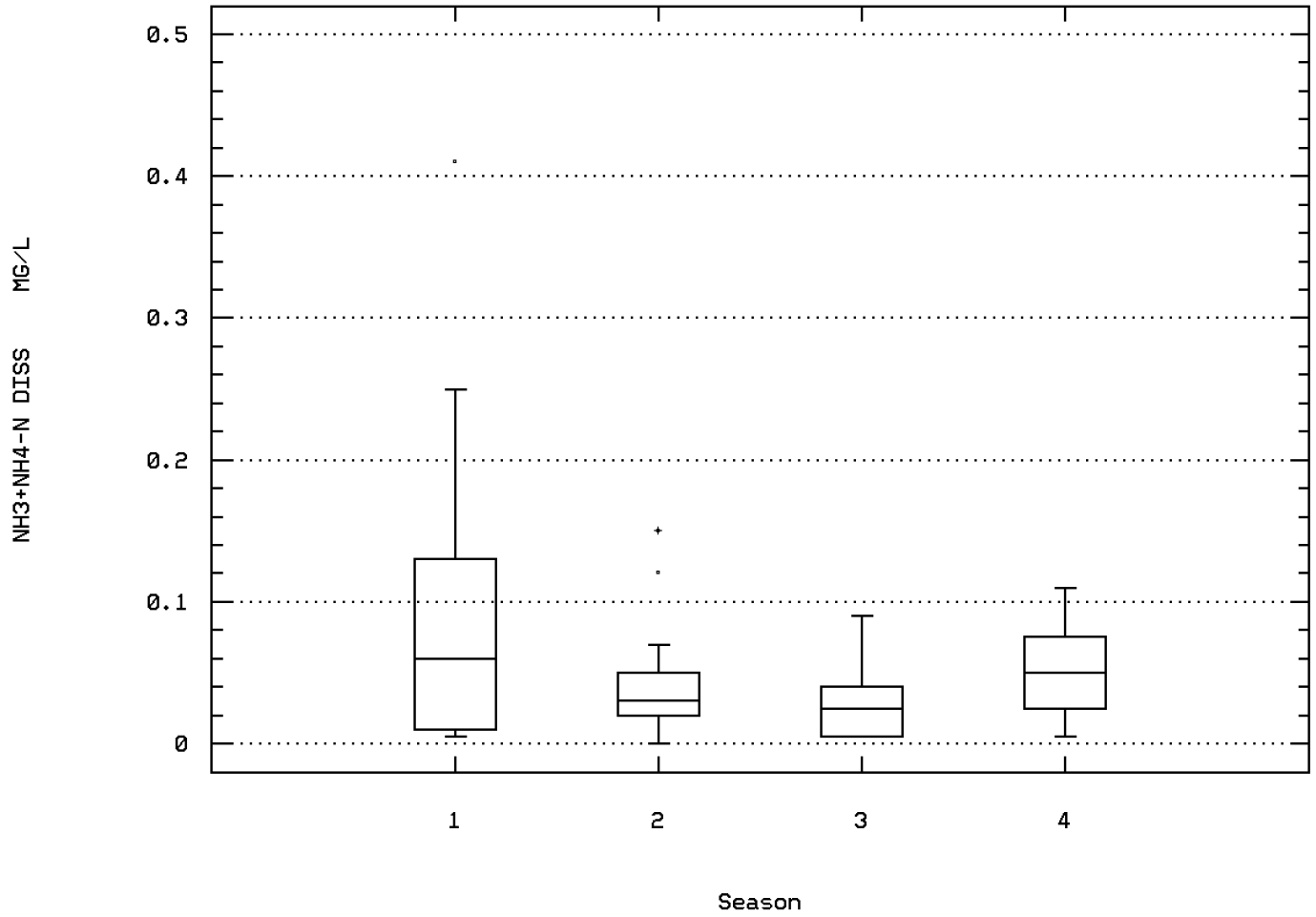
ALKALINITY, TOTAL (MG/L AS CACO3)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00608

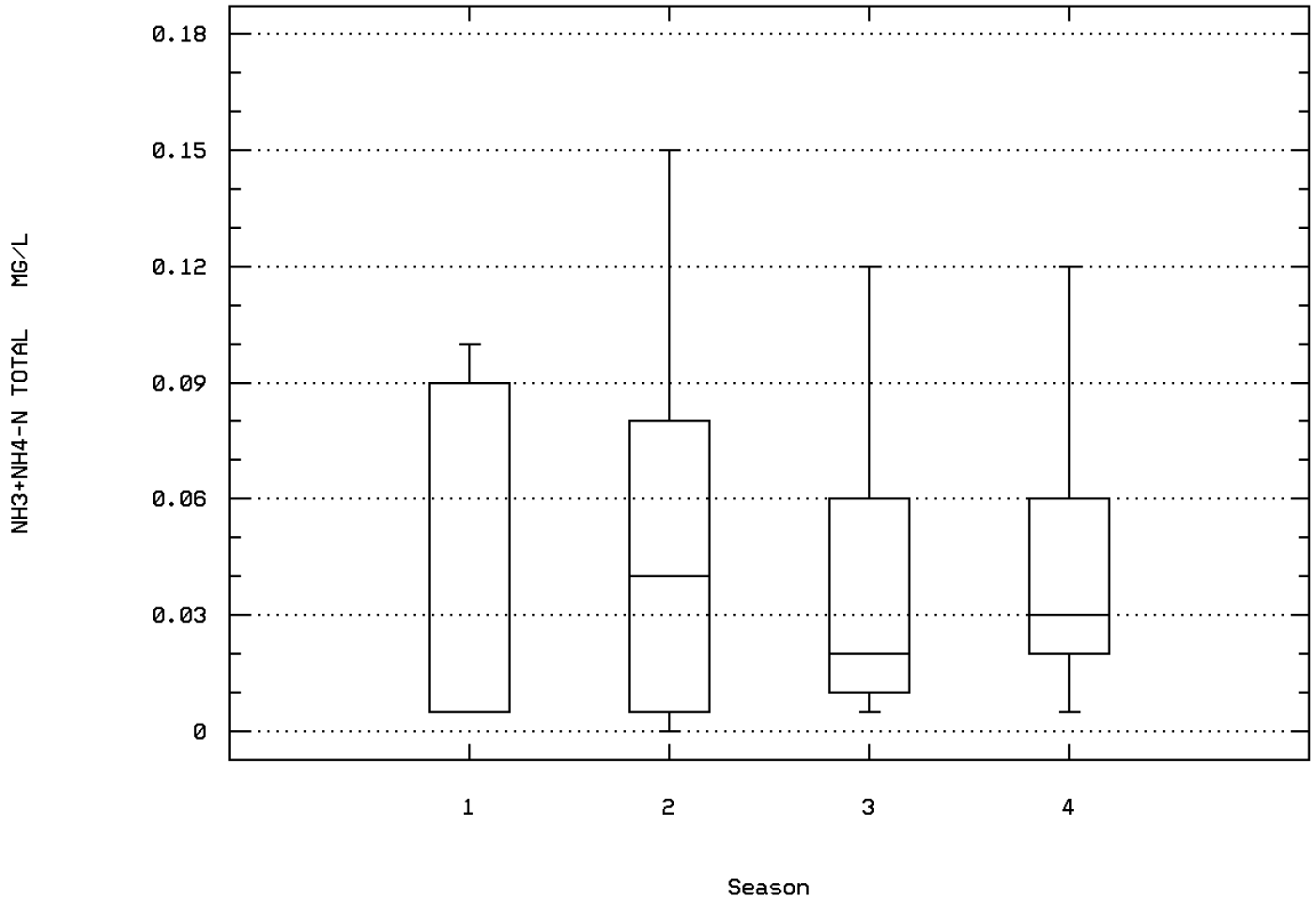
NITROGEN, AMMONIA, DISSOLVED (MG/L AS N



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00610

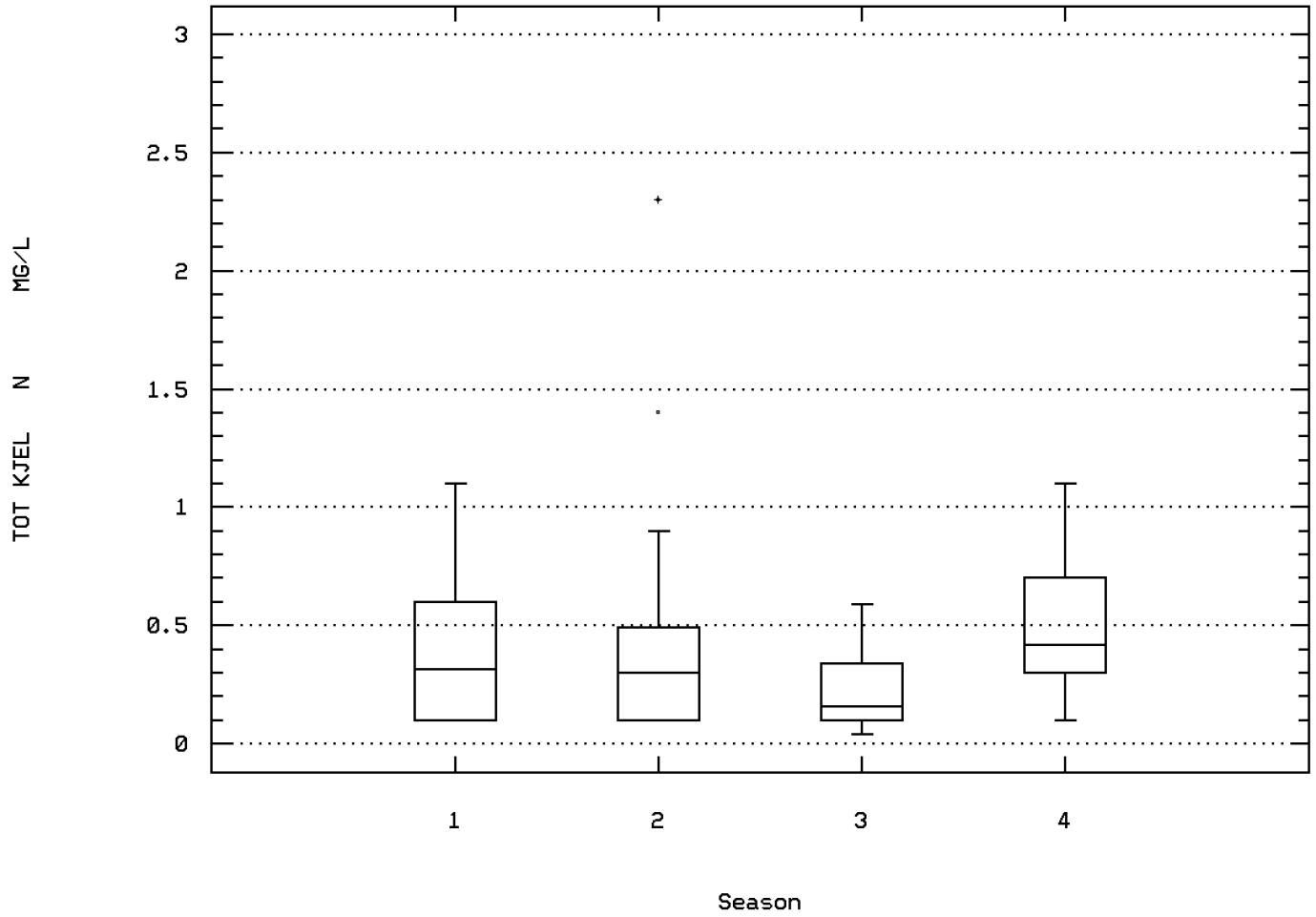
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00625

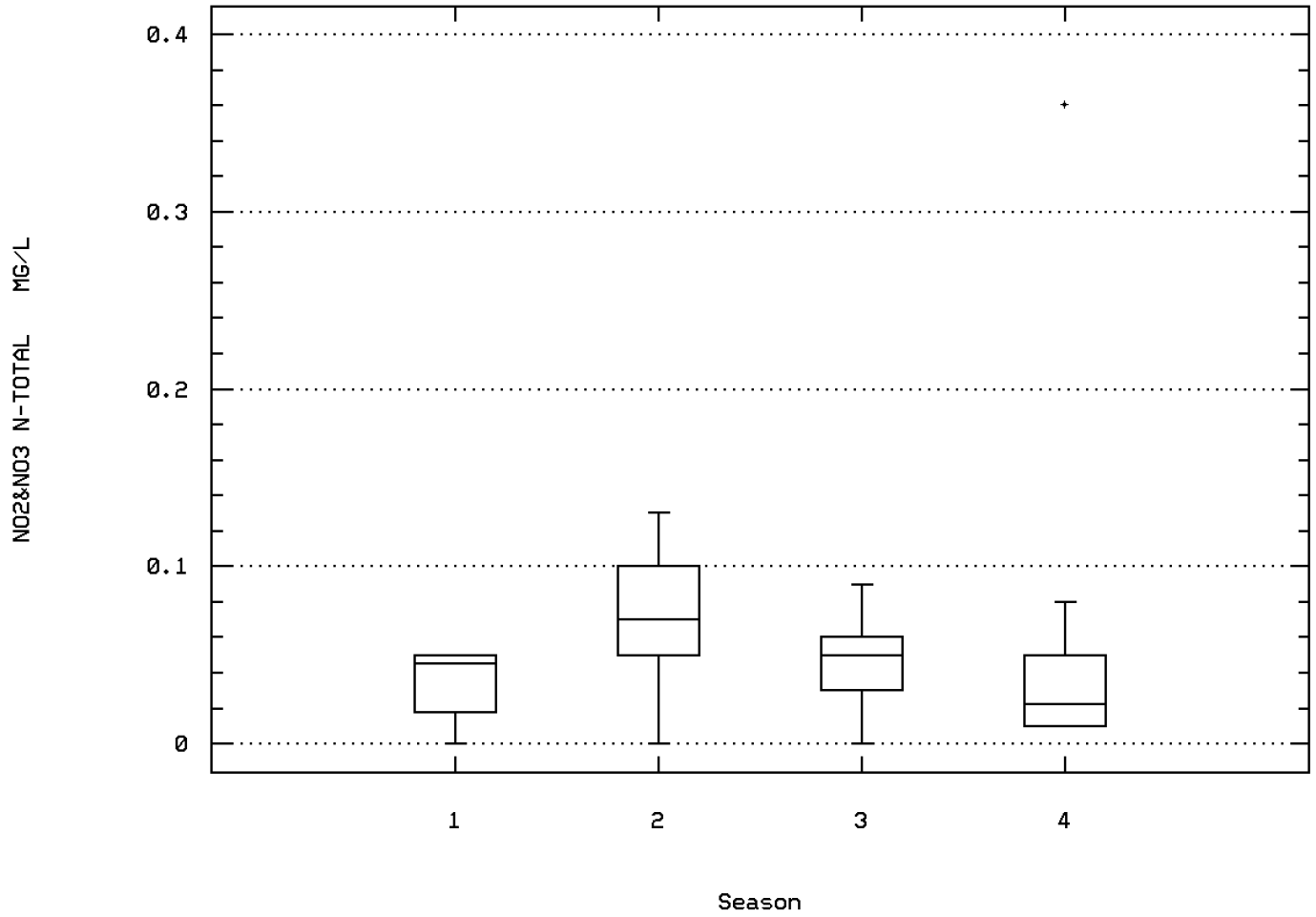
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00630

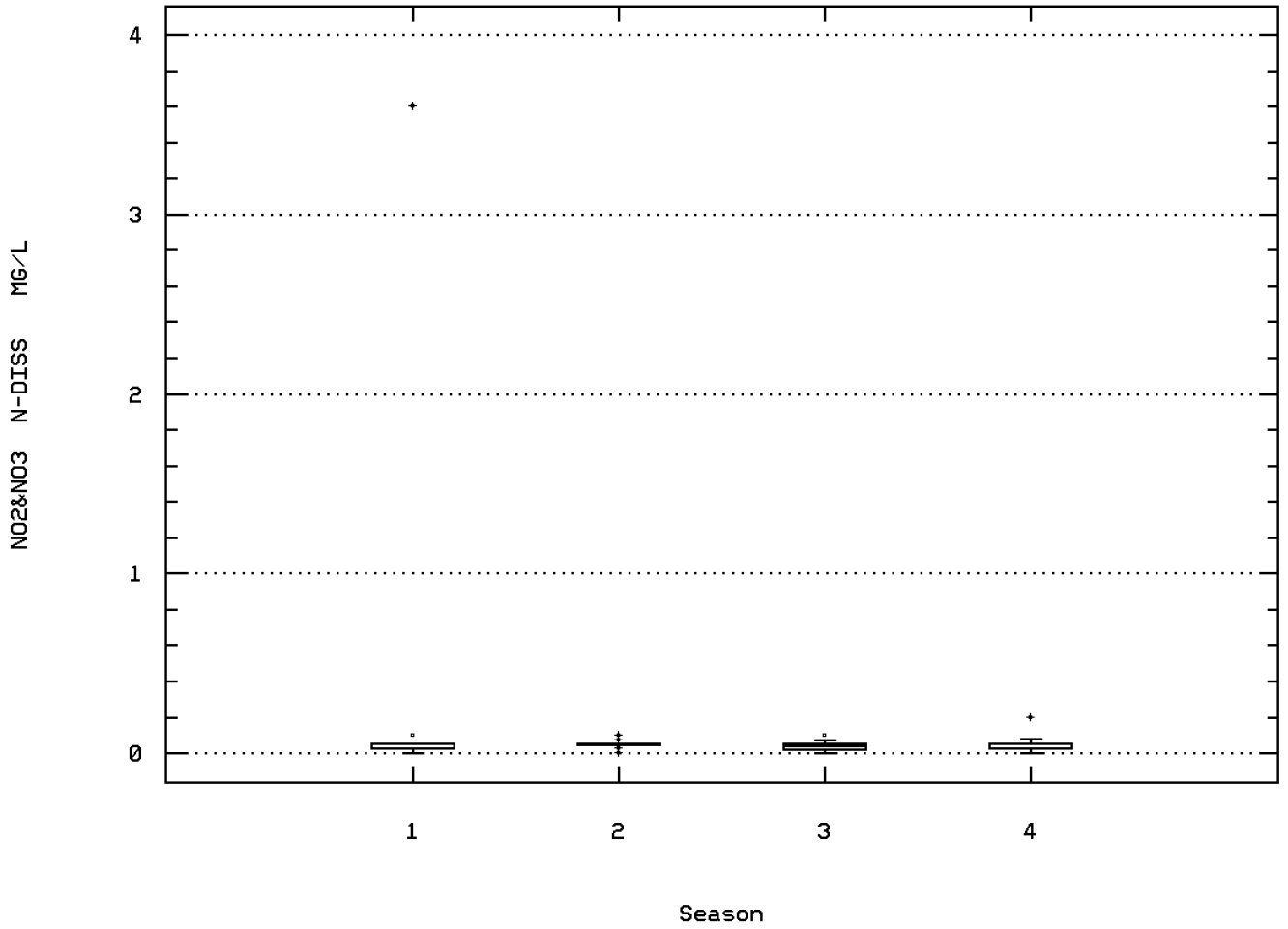
NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00631

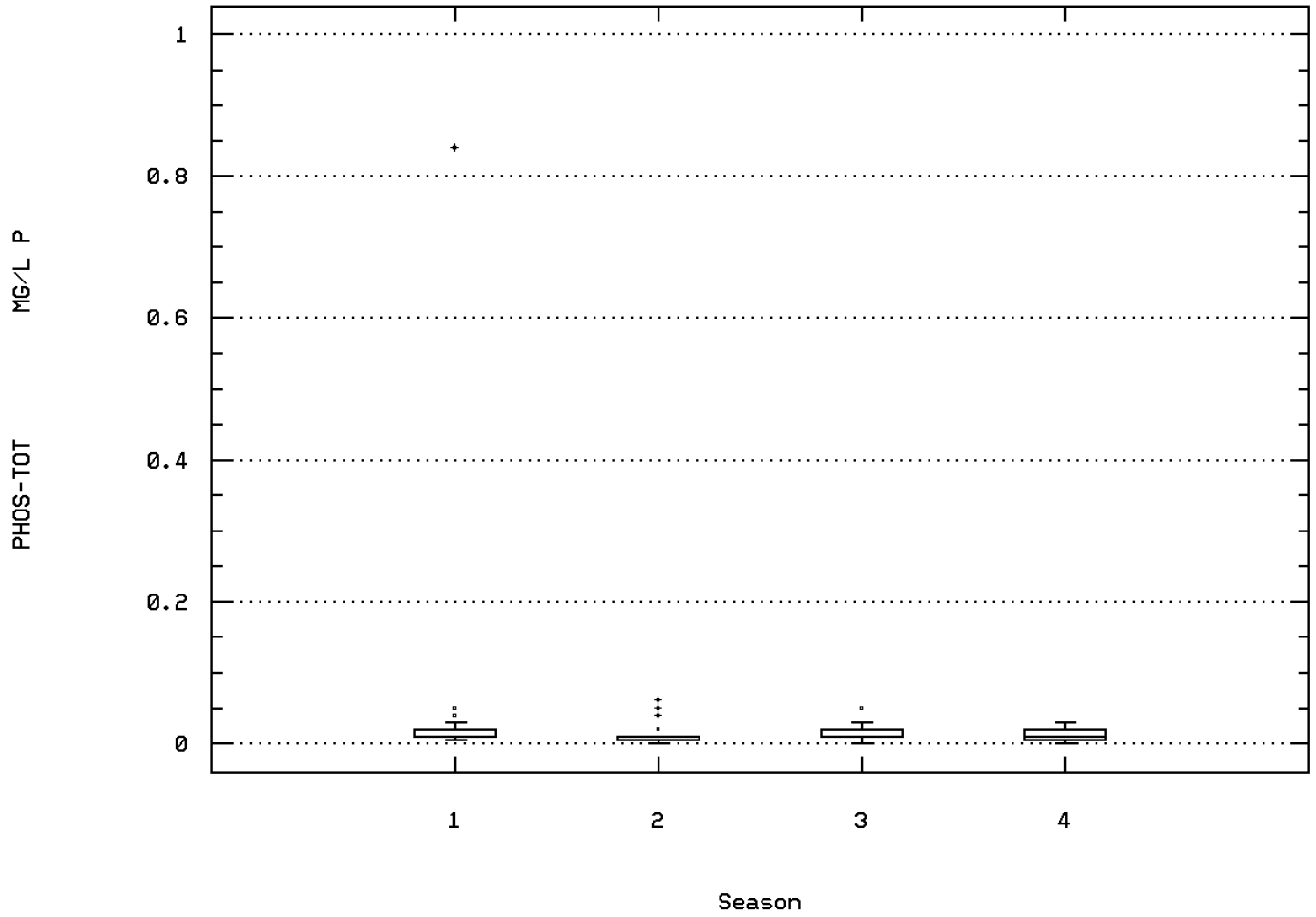
NITRITE PLUS NITRATE, DISS. 1 DET. (MG/



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00665

PHOSPHORUS, TOTAL (MG/L AS P)

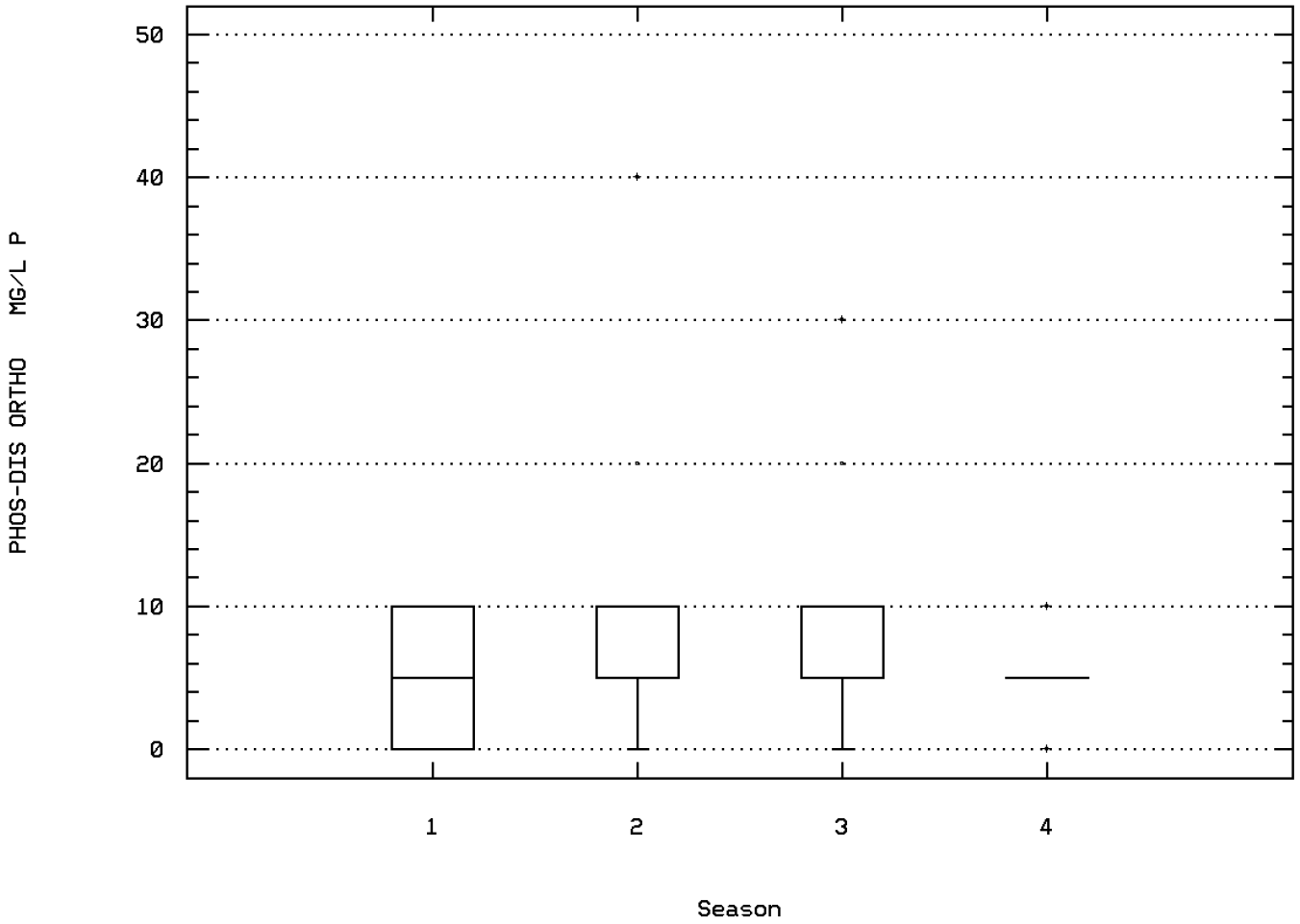


RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00671

PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (M

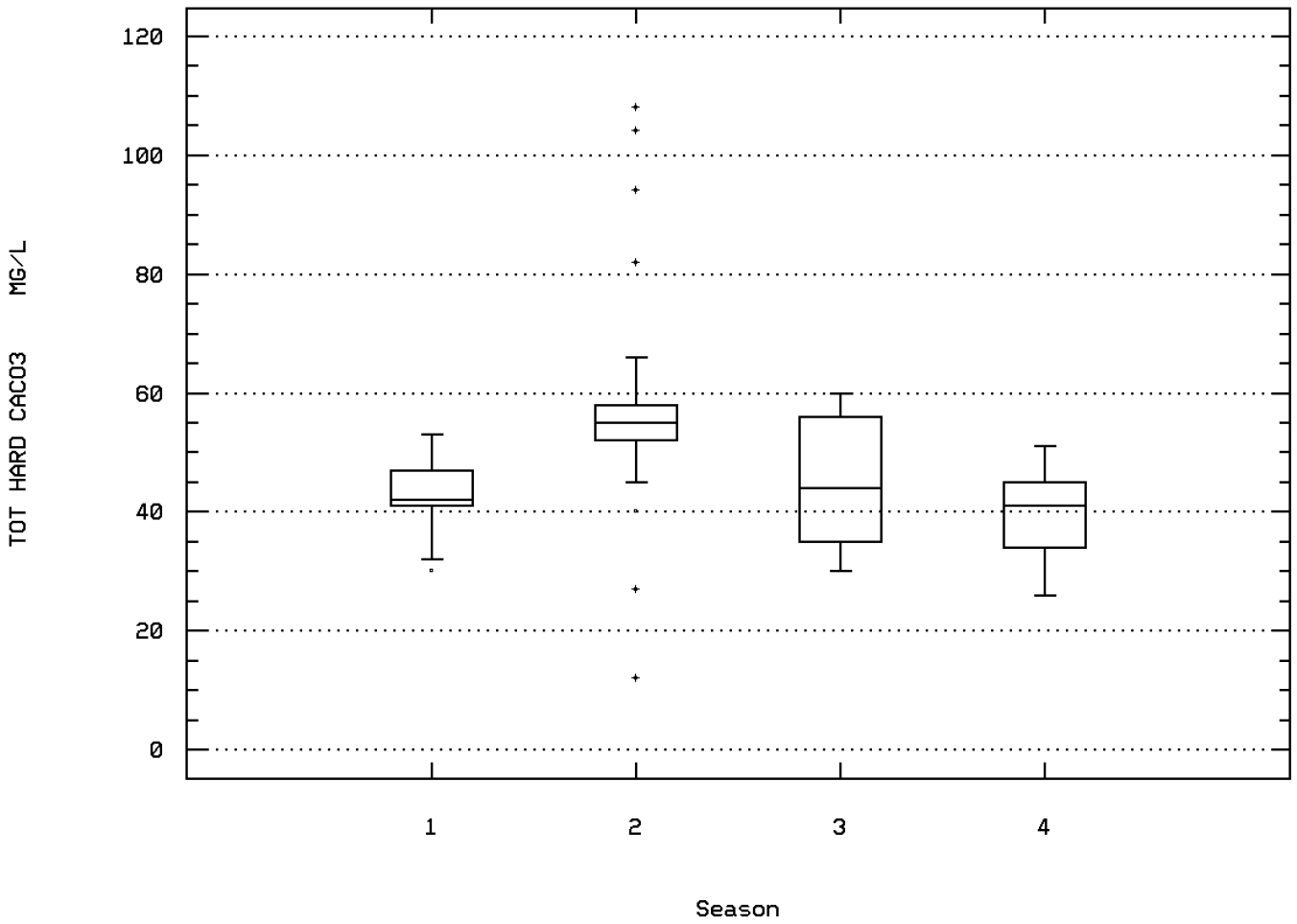
(X 0.001)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00900

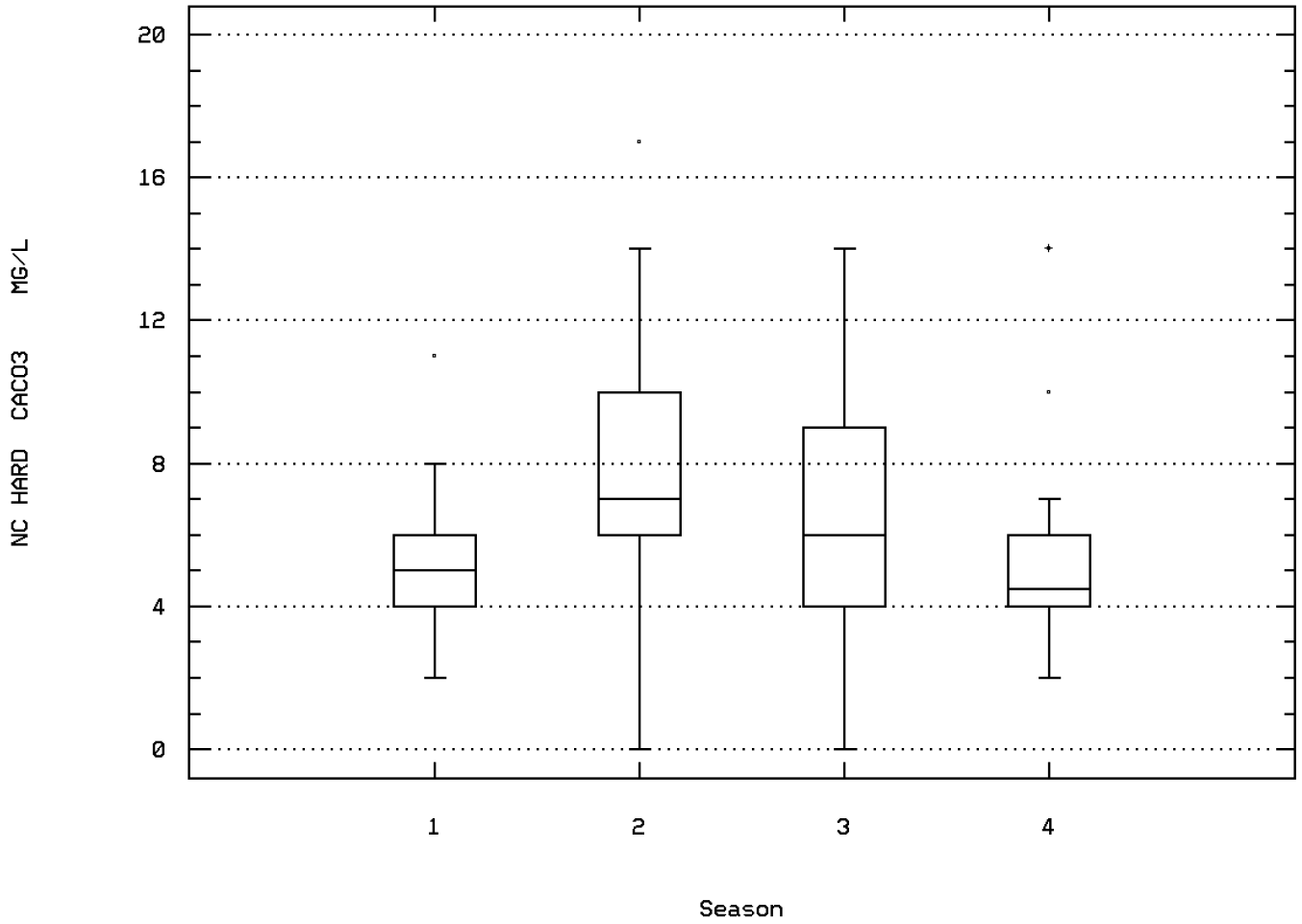
HARDNESS, TOTAL (MG/L AS CACO3)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00902

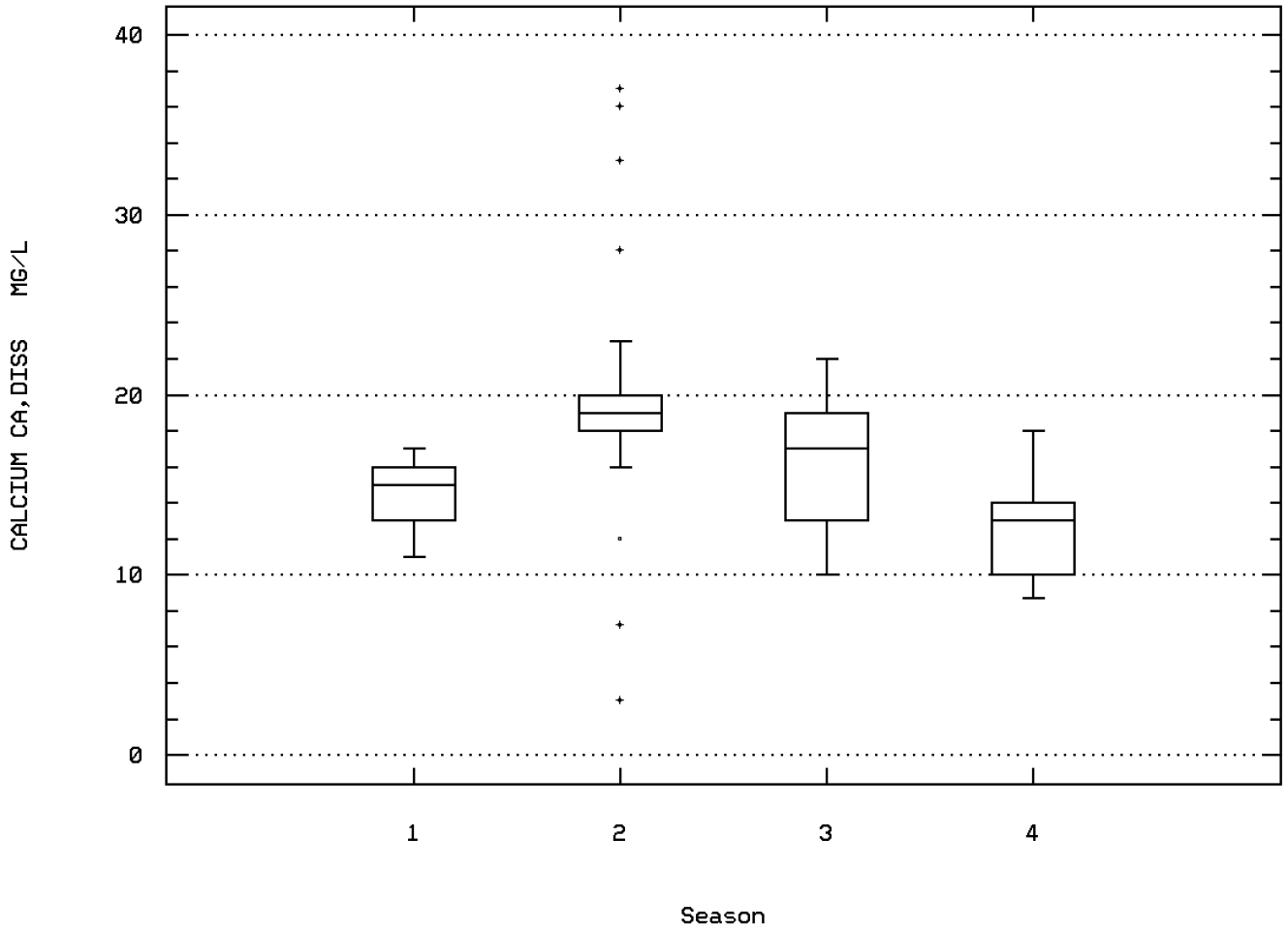
HARDNESS, NON-CARBONATE (MG/L AS CACO3)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00915

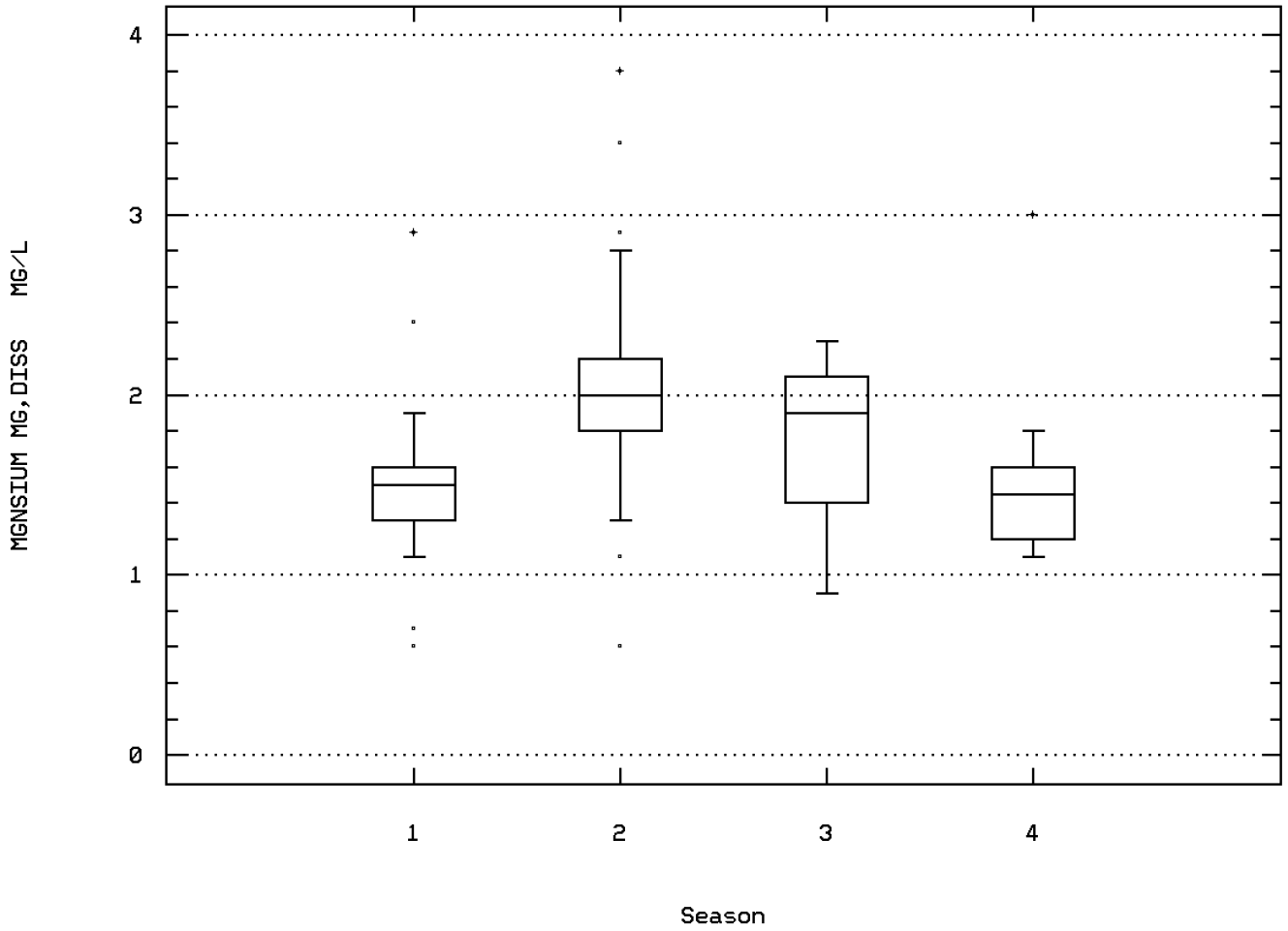
CALCIUM, DISSOLVED (MG/L AS CA)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00925

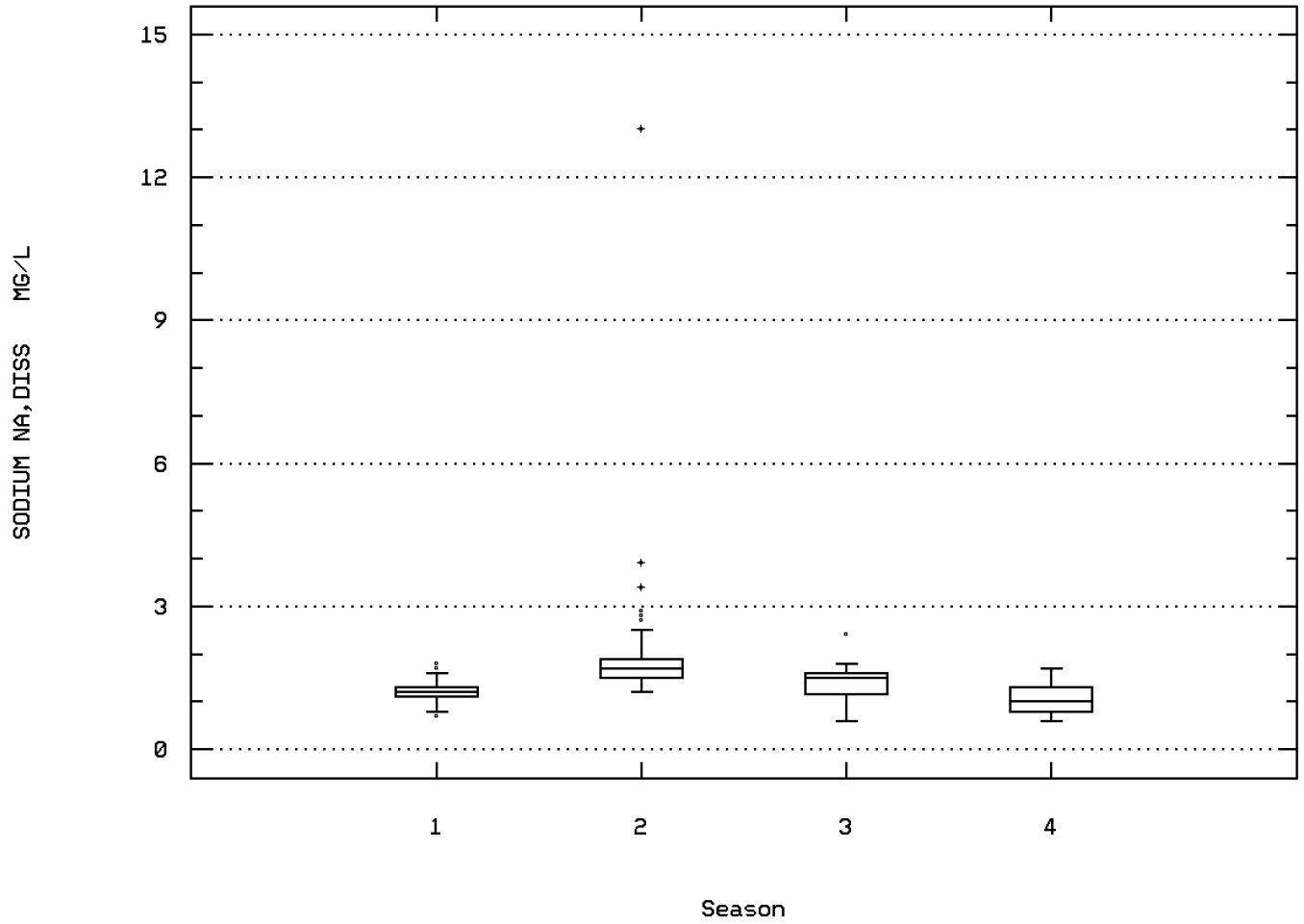
MAGNESIUM, DISSOLVED (MG/L AS MG)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00930

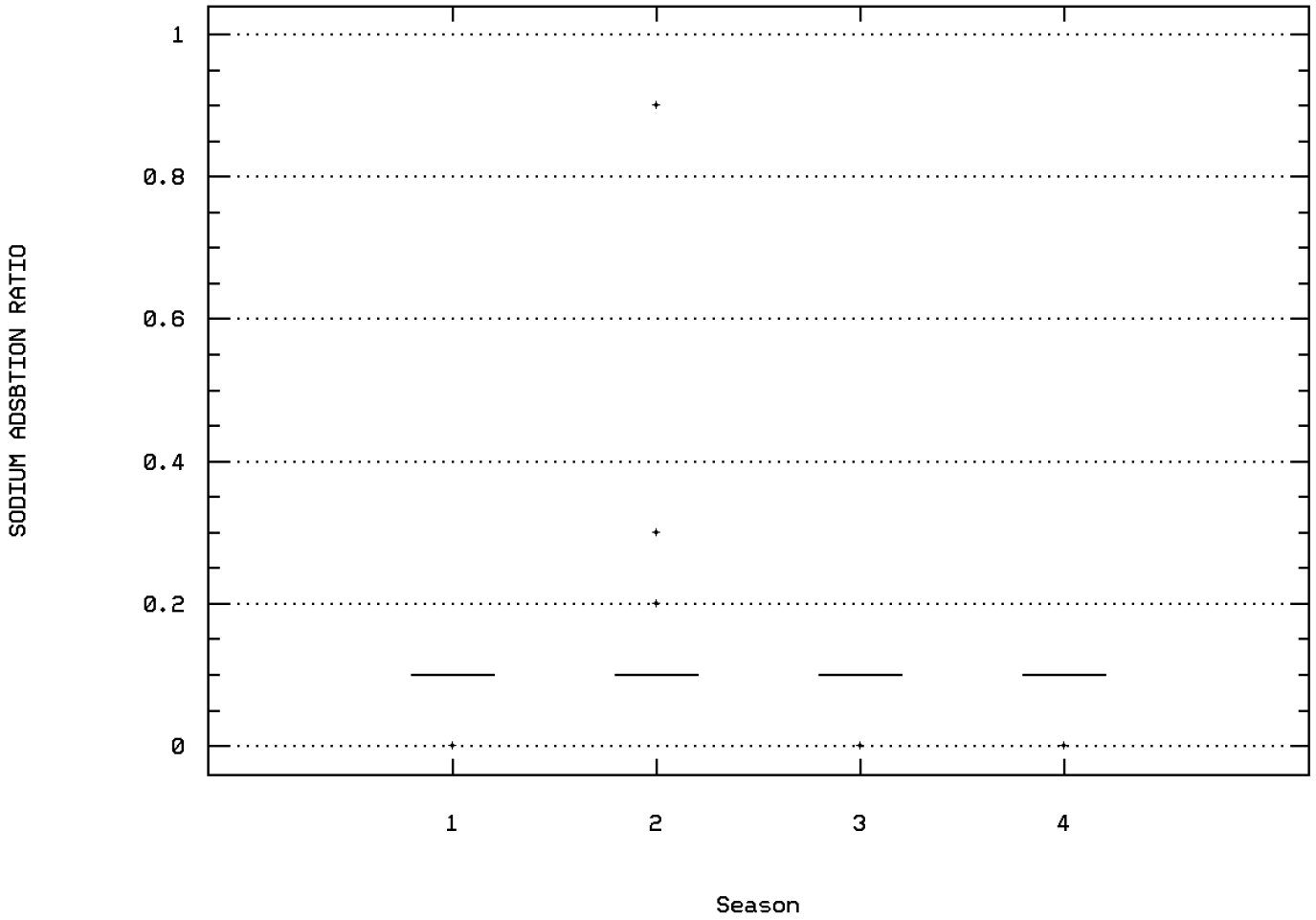
SODIUM, DISSOLVED (MG/L AS NA)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00931

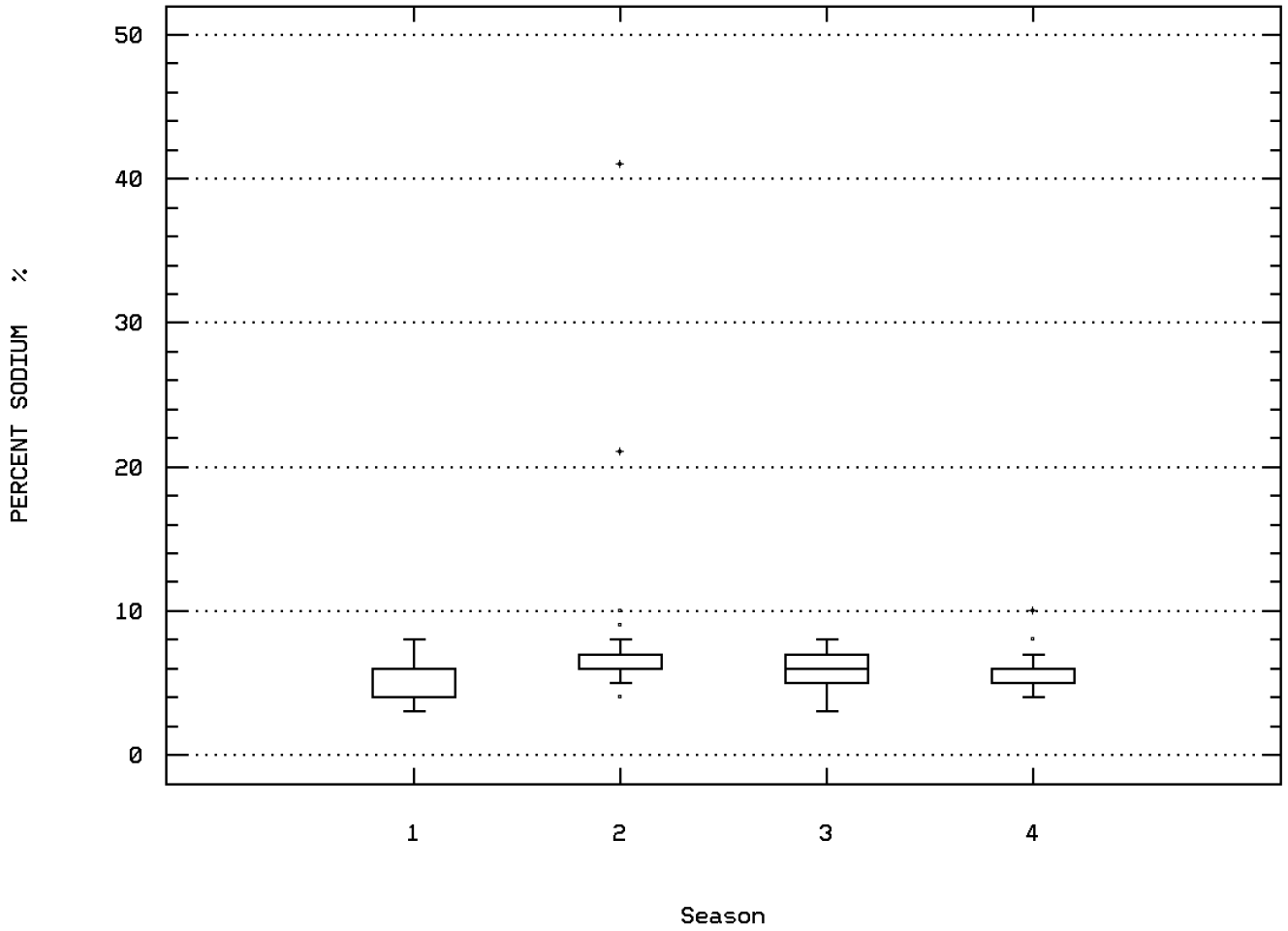
SODIUM ADSORPTION RATIO



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00932

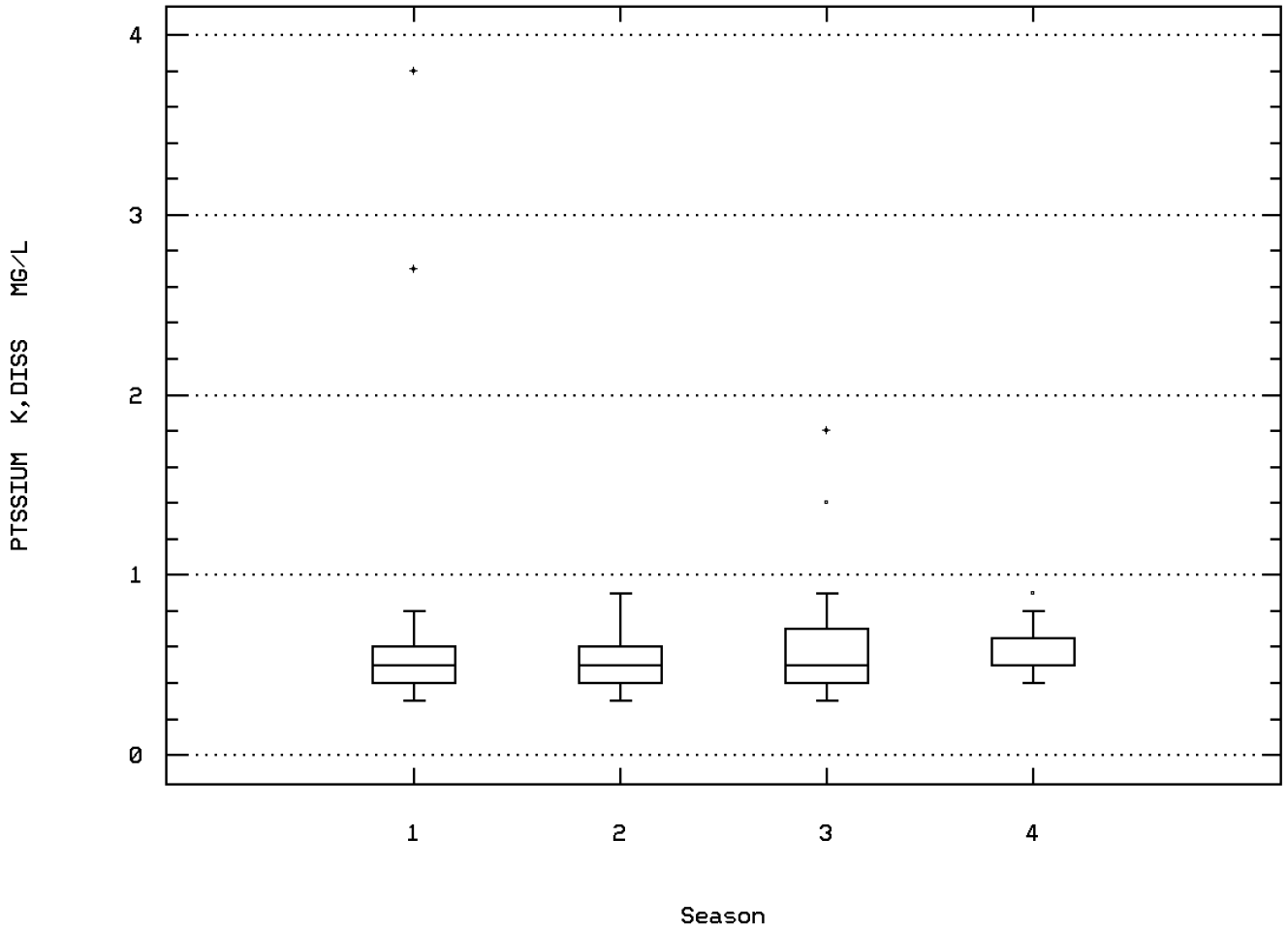
SODIUM, PERCENT



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00935

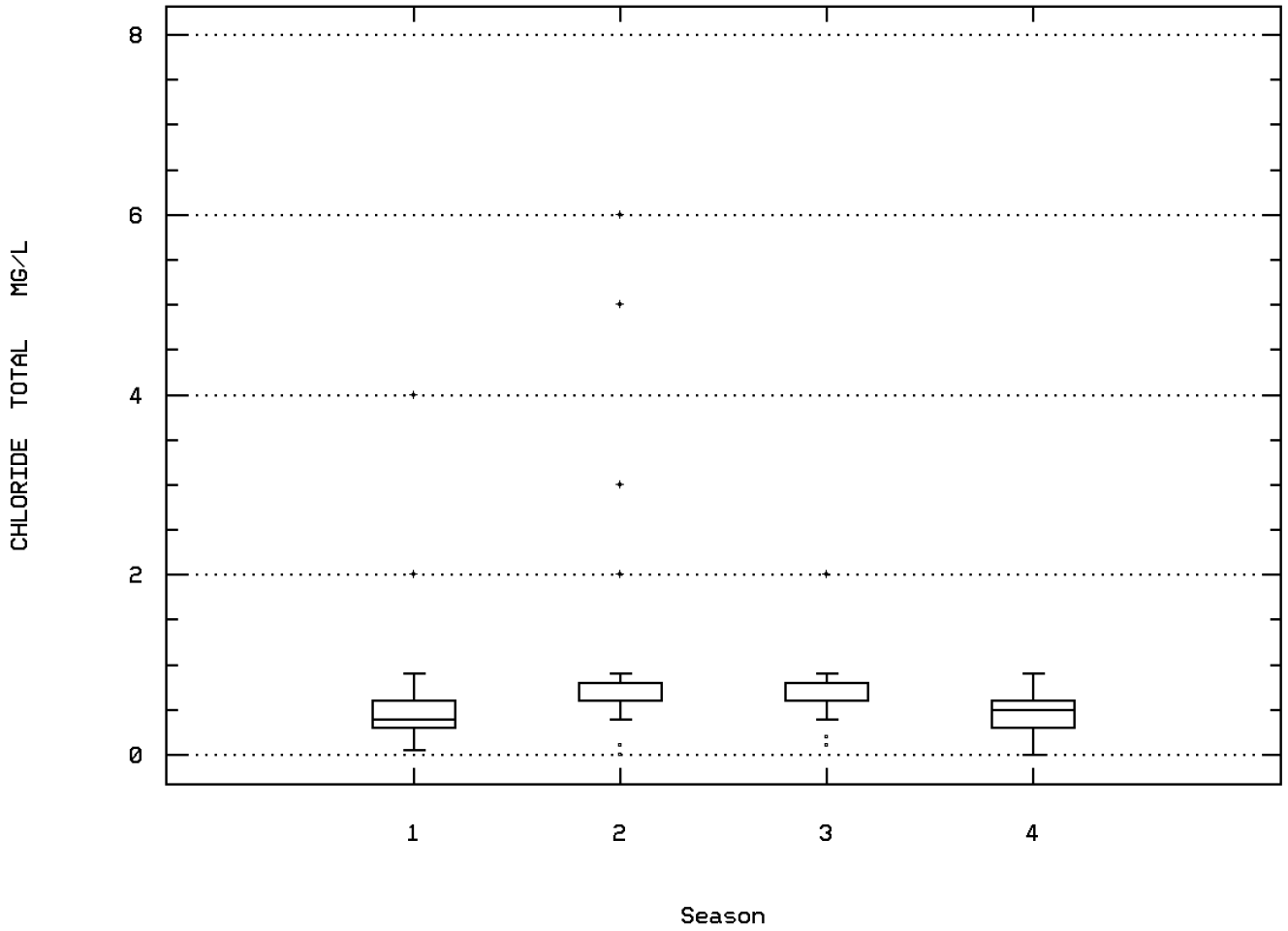
POTASSIUM, DISSOLVED (MG/L AS K)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00940

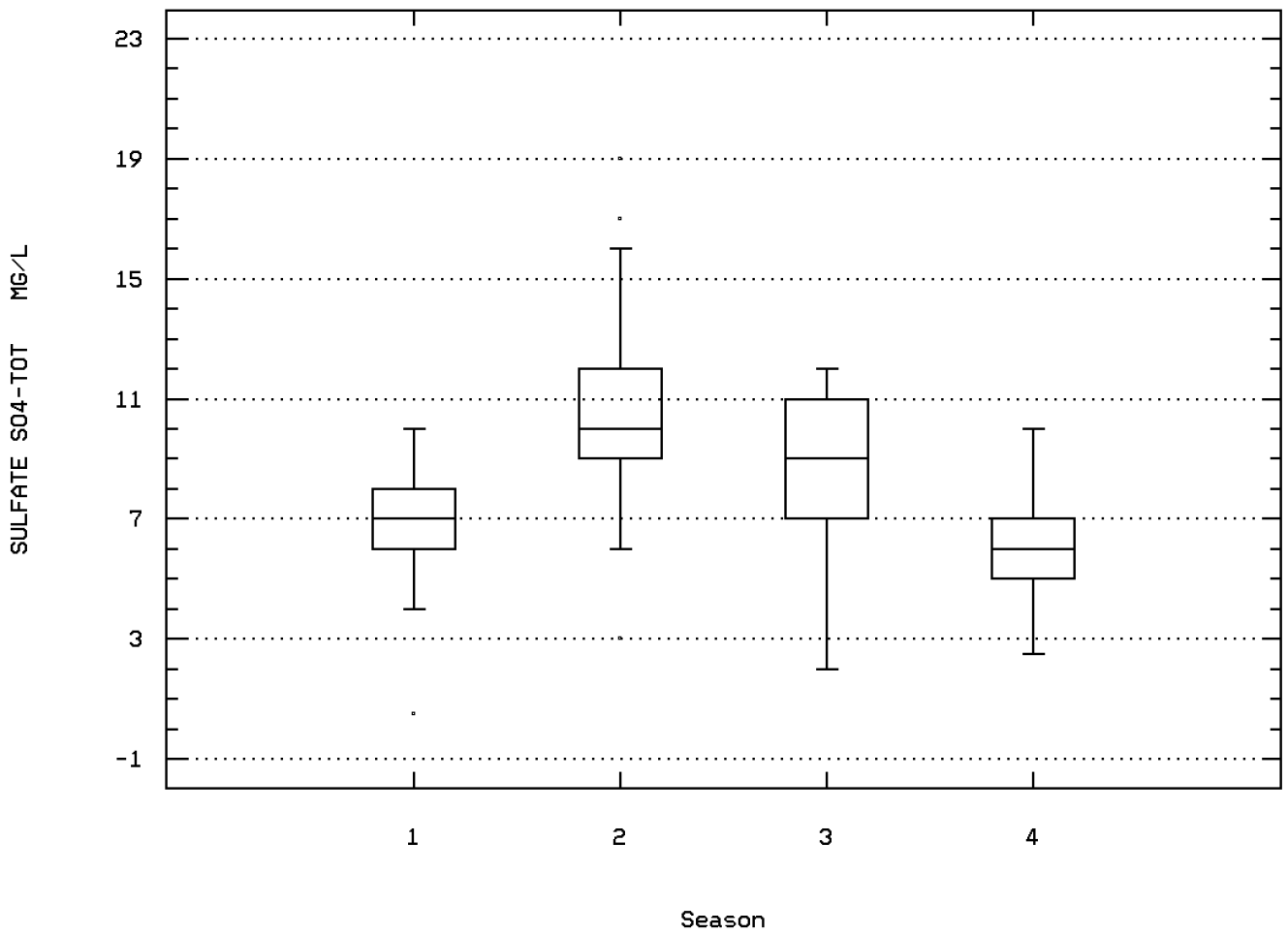
CHLORIDE,TOTAL IN WATER



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00945

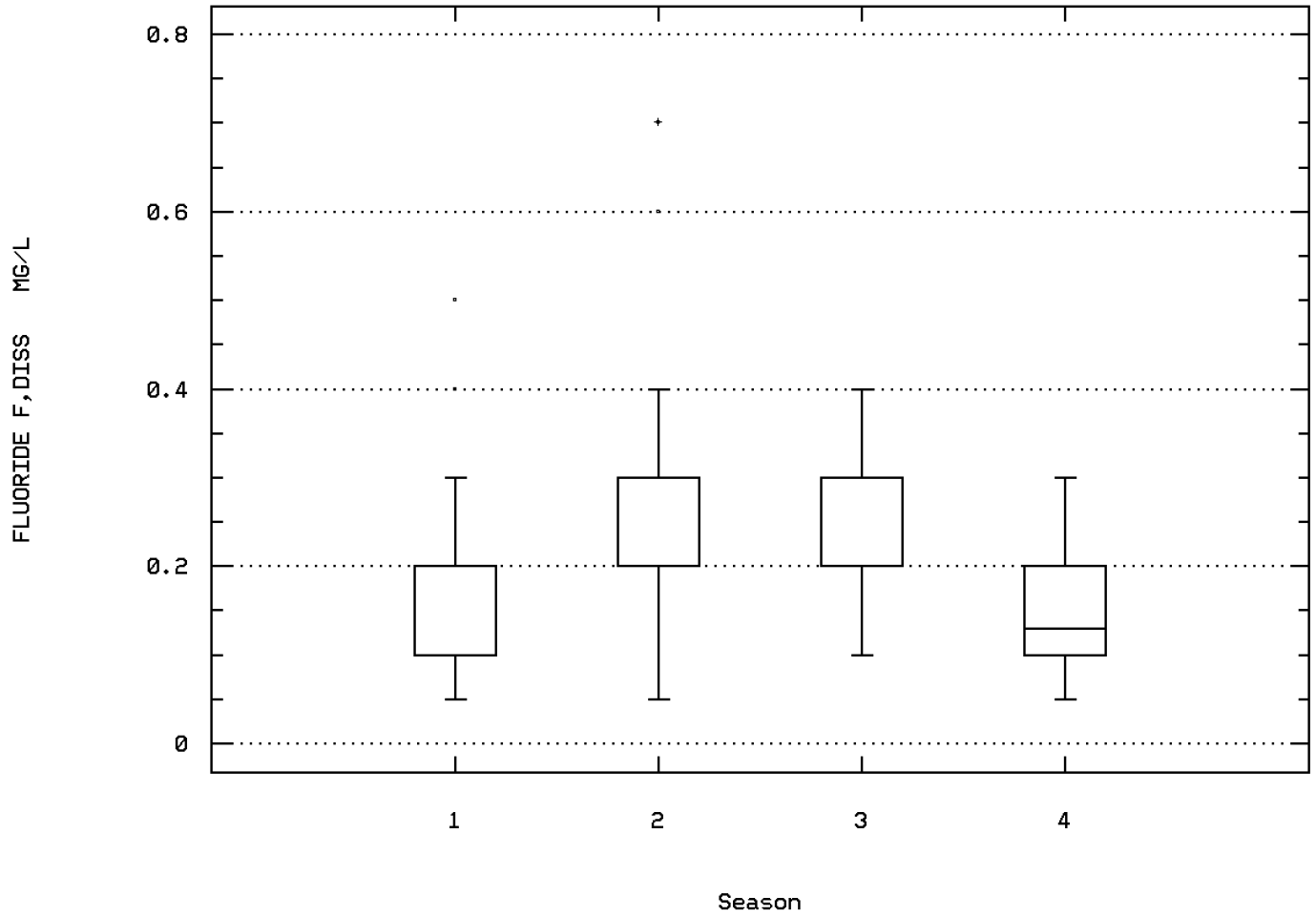
SULFATE, TOTAL (MG/L AS SO4)



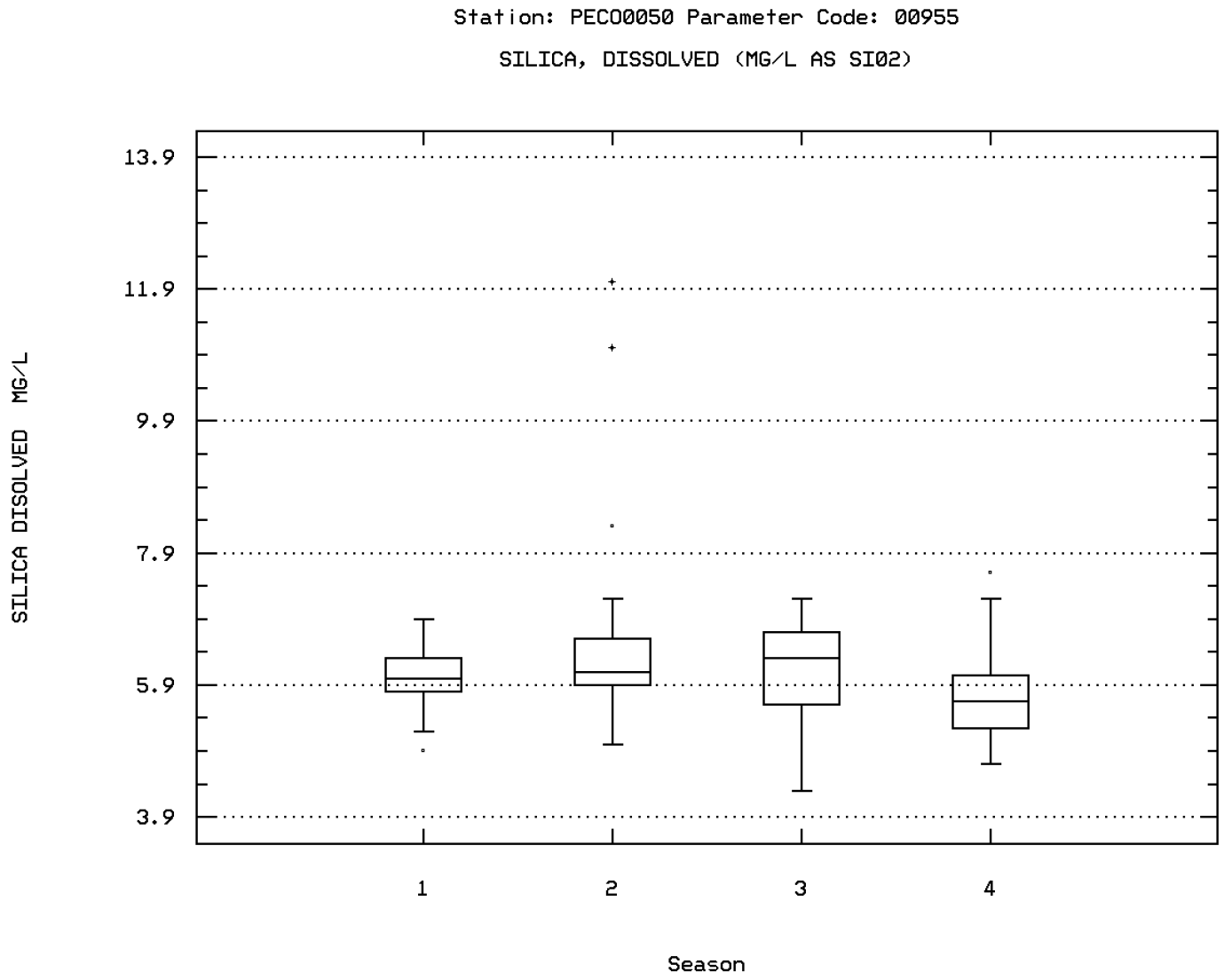
RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 00950

FLUORIDE, DISSOLVED (MG/L AS F)



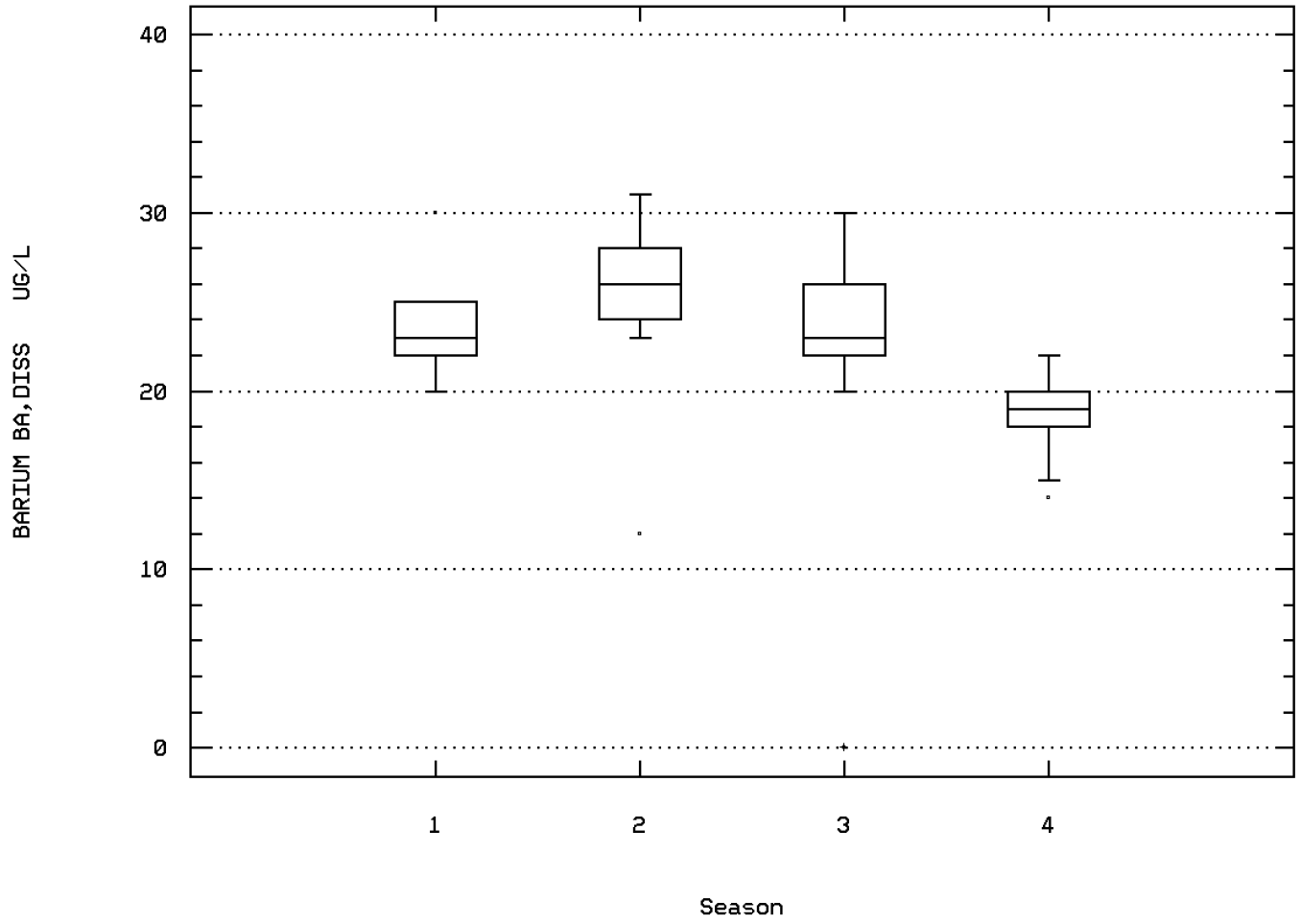
RIO MORA NEAR TERRERO, NM



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 01005

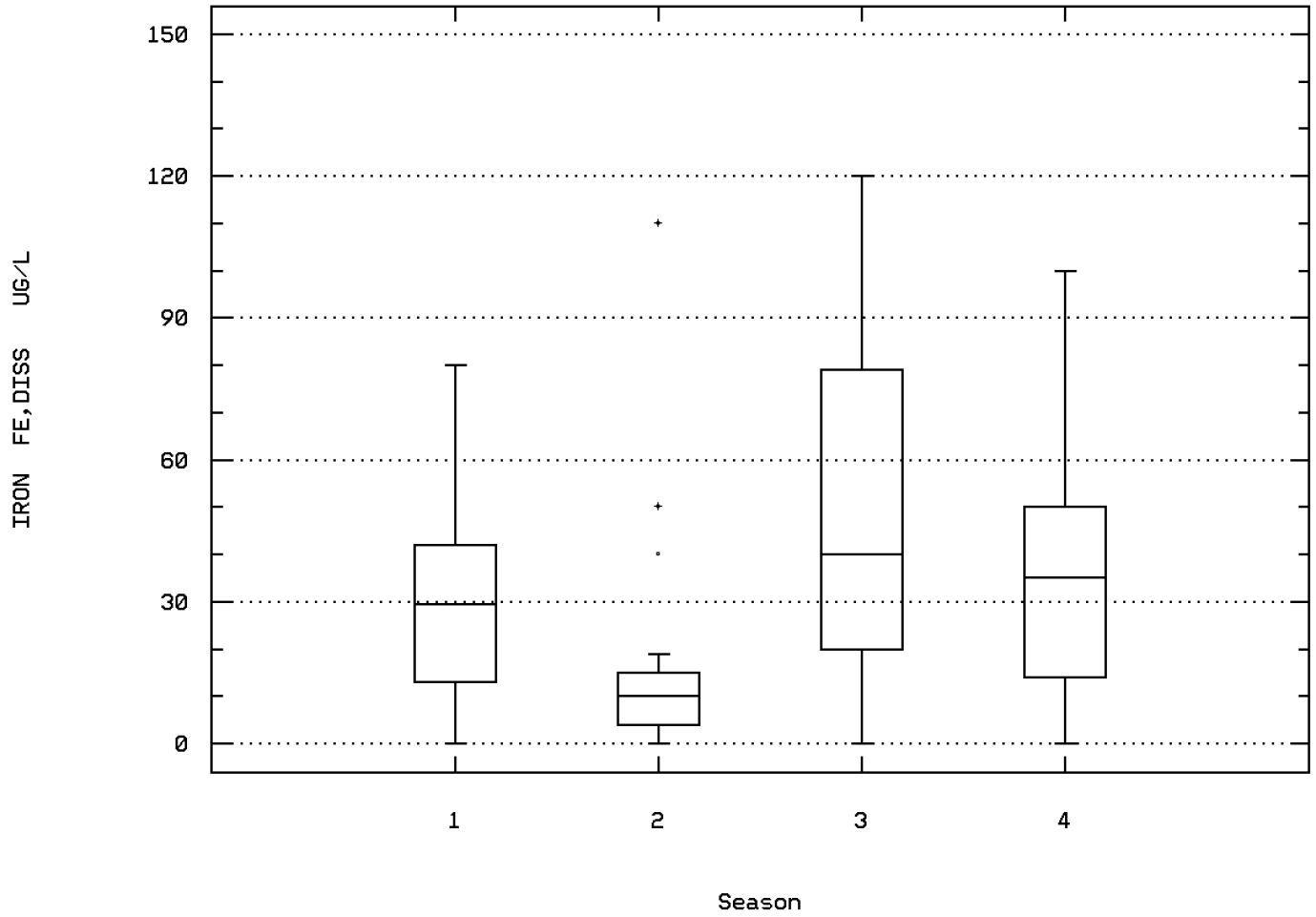
BARIUM, DISSOLVED (UG/L AS BA)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 01046

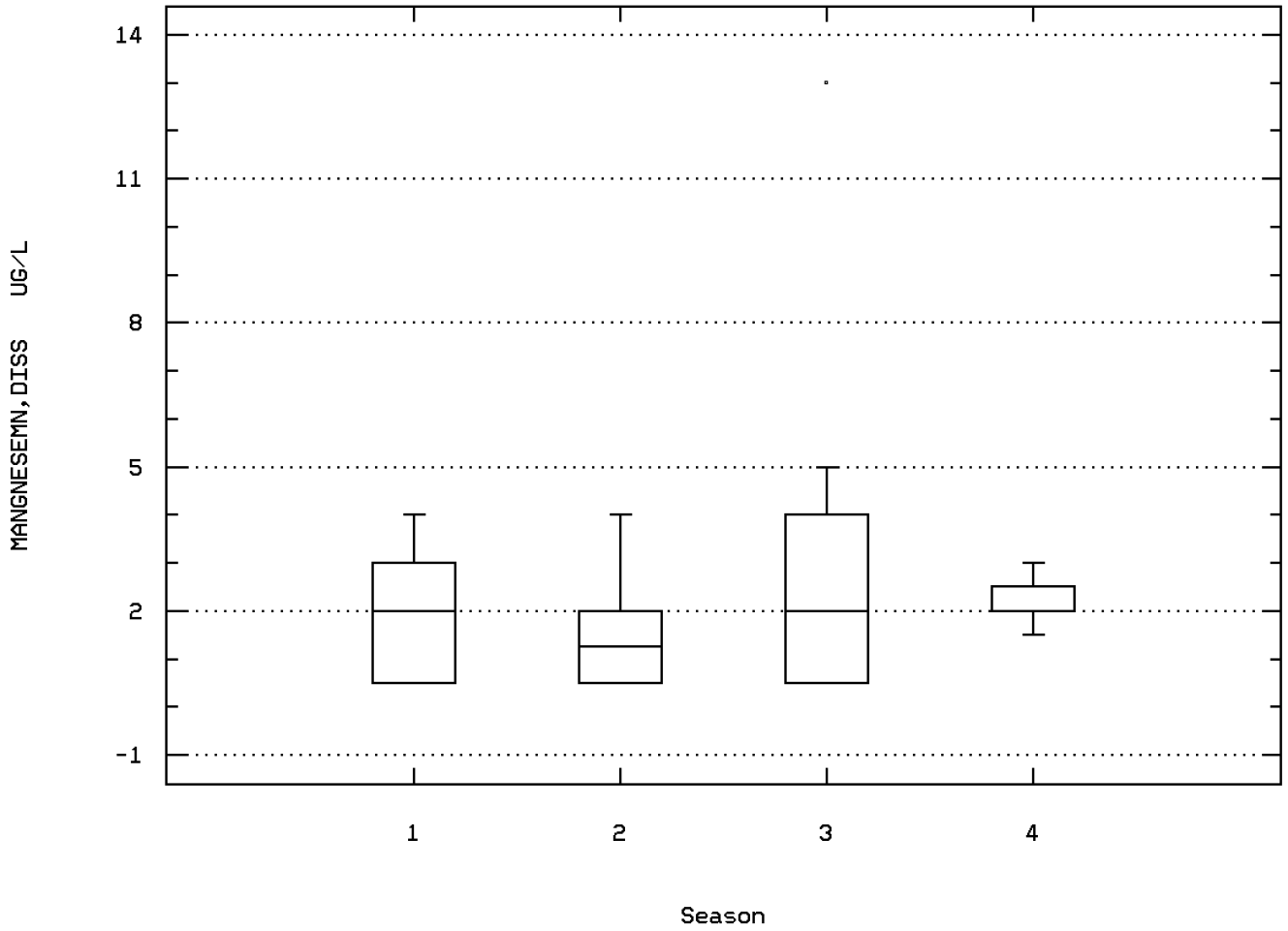
IRON, DISSOLVED (UG/L AS FE)



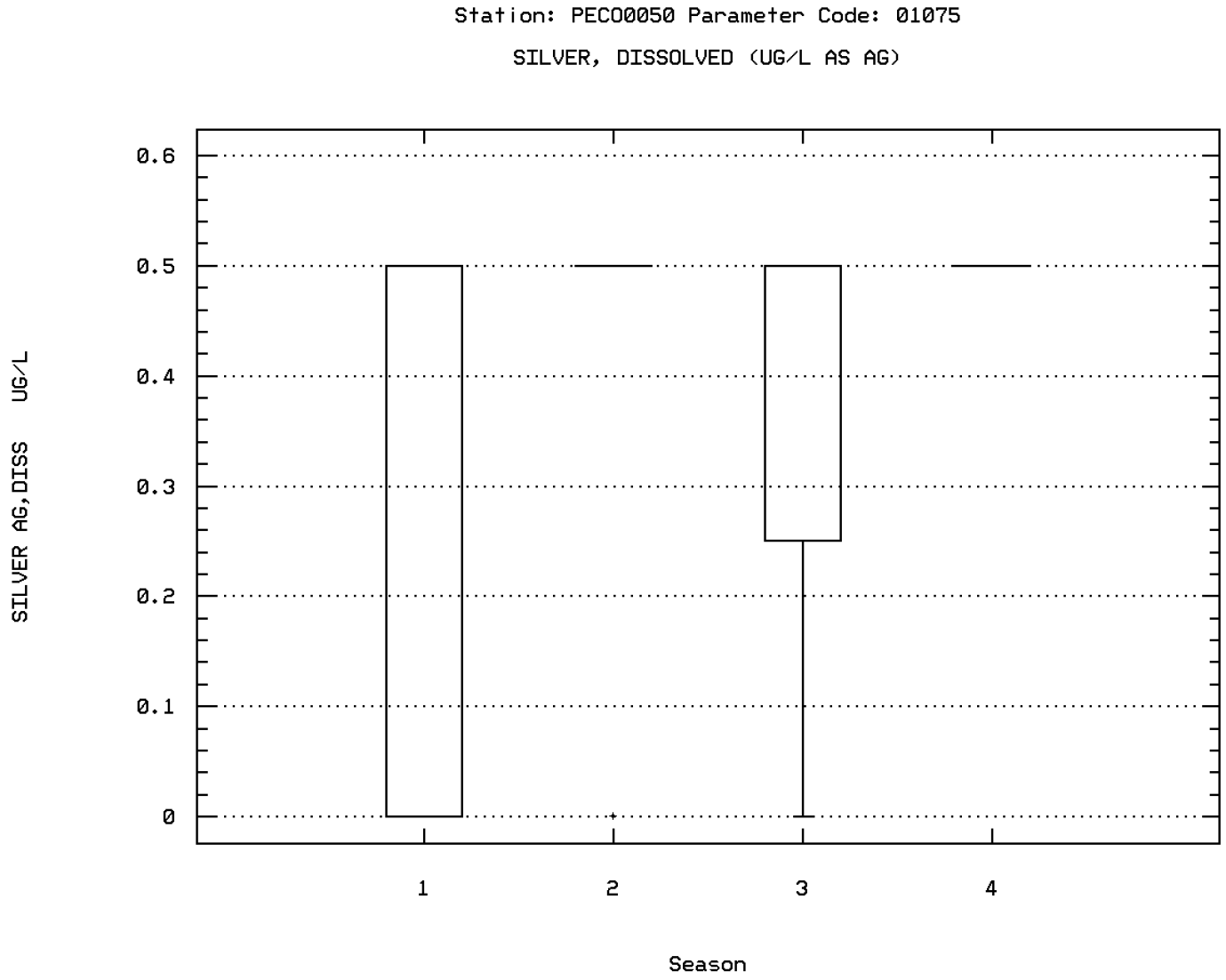
RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 01056

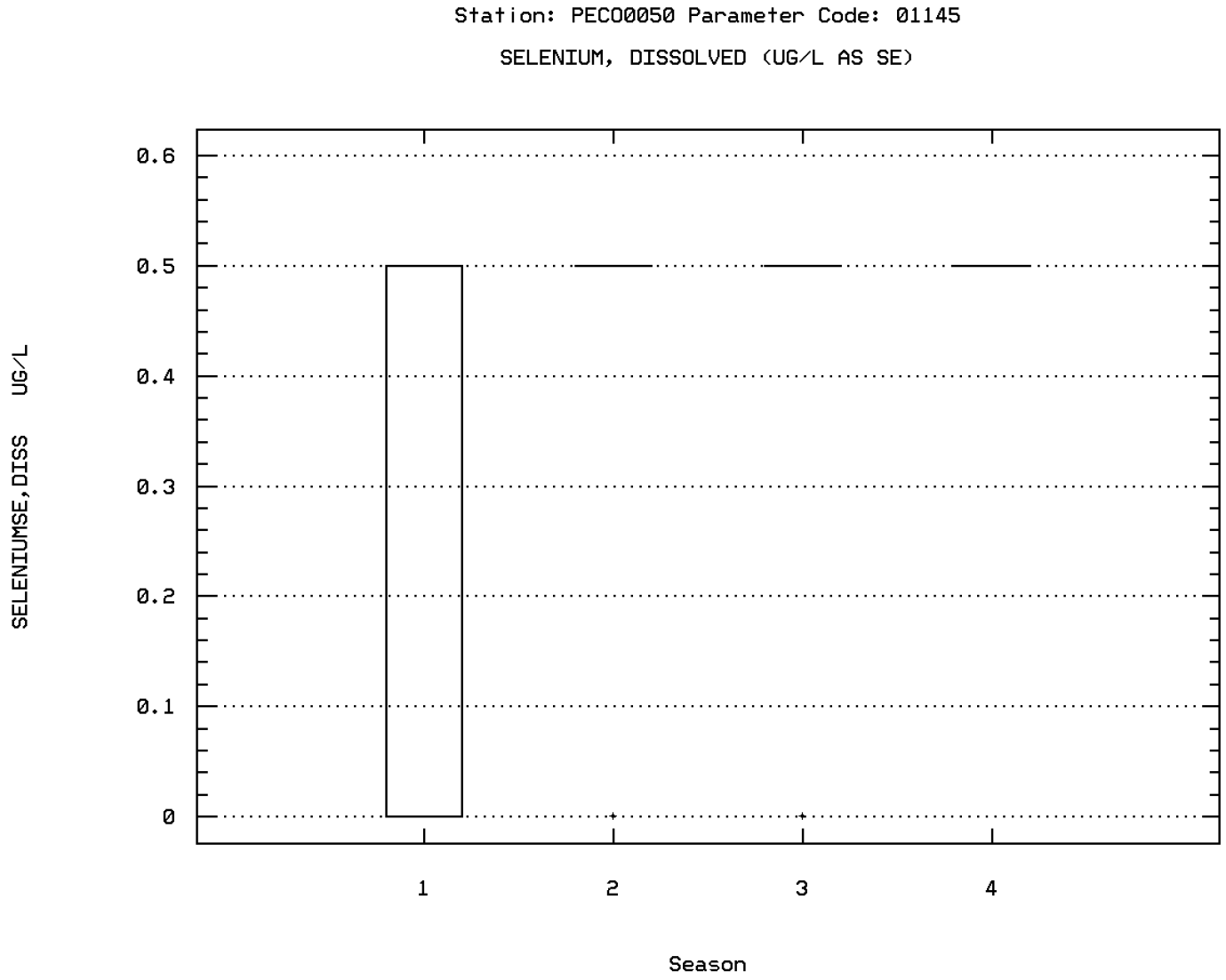
MANGANESE, DISSOLVED (UG/L AS MN)



RIO MORA NEAR TERRERO, NM



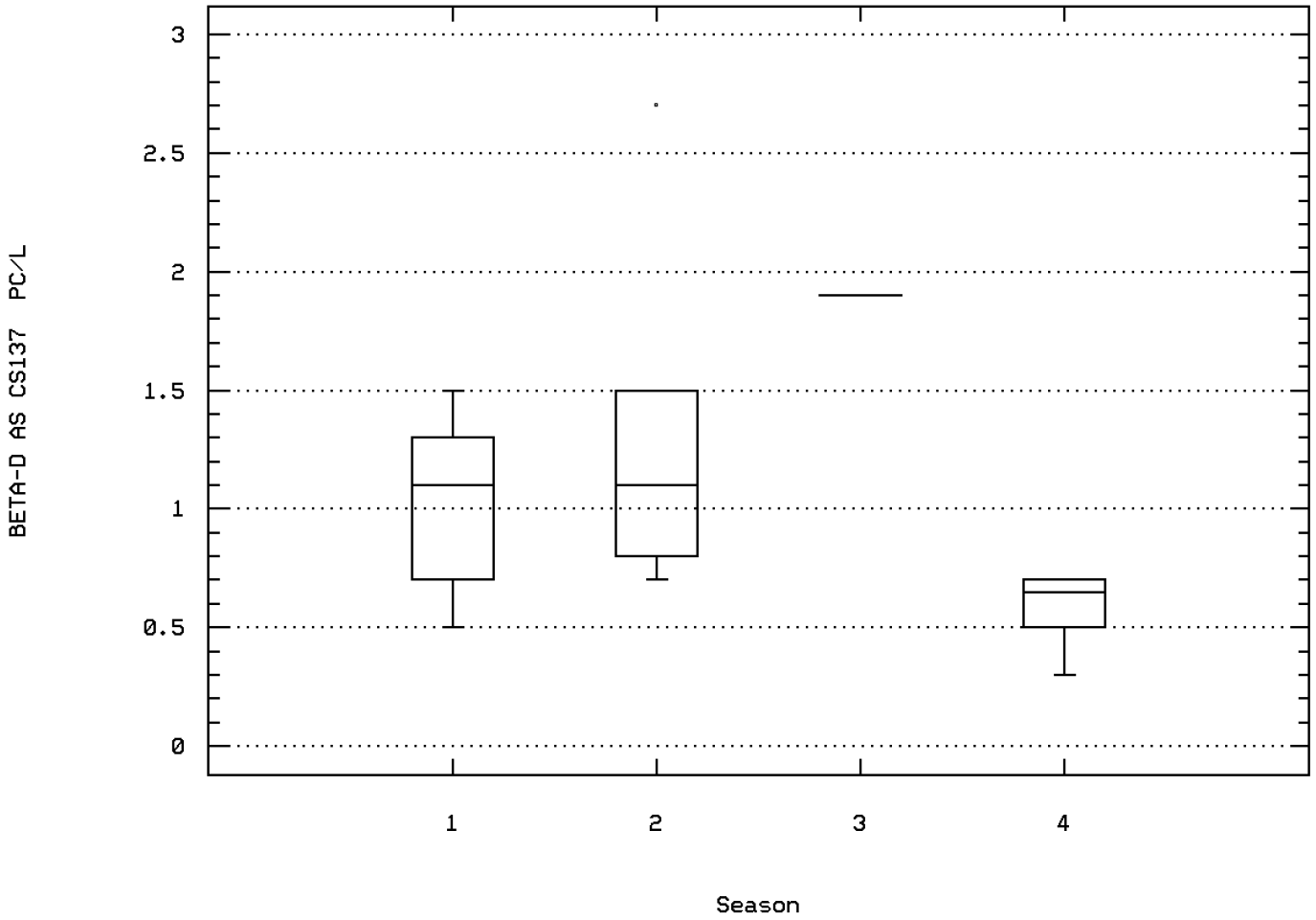
RIO MORA NEAR TERRERO, NM



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 03515

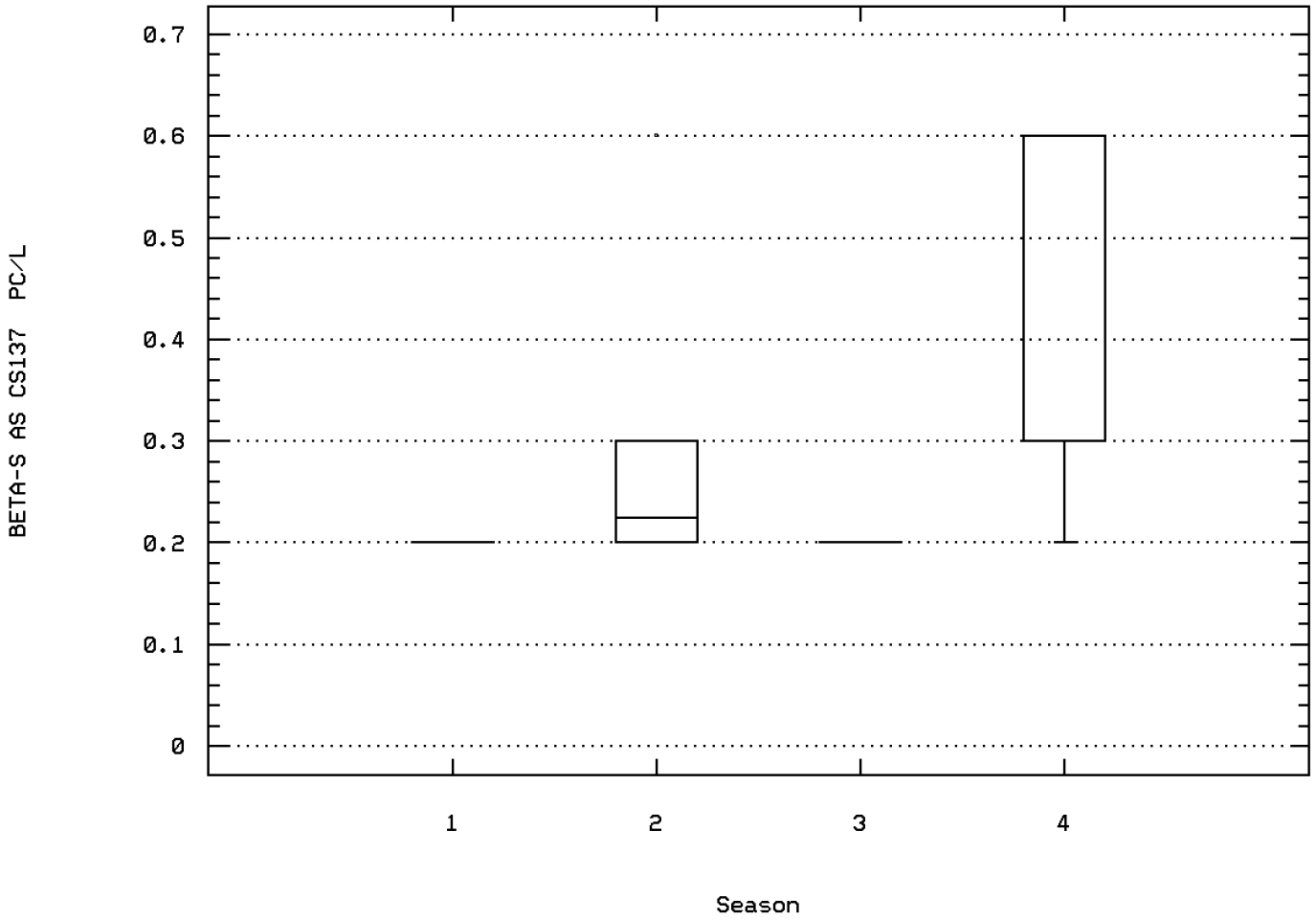
BETA, DISSOLVED GROSS, AS CS-137, PC/L



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 03516

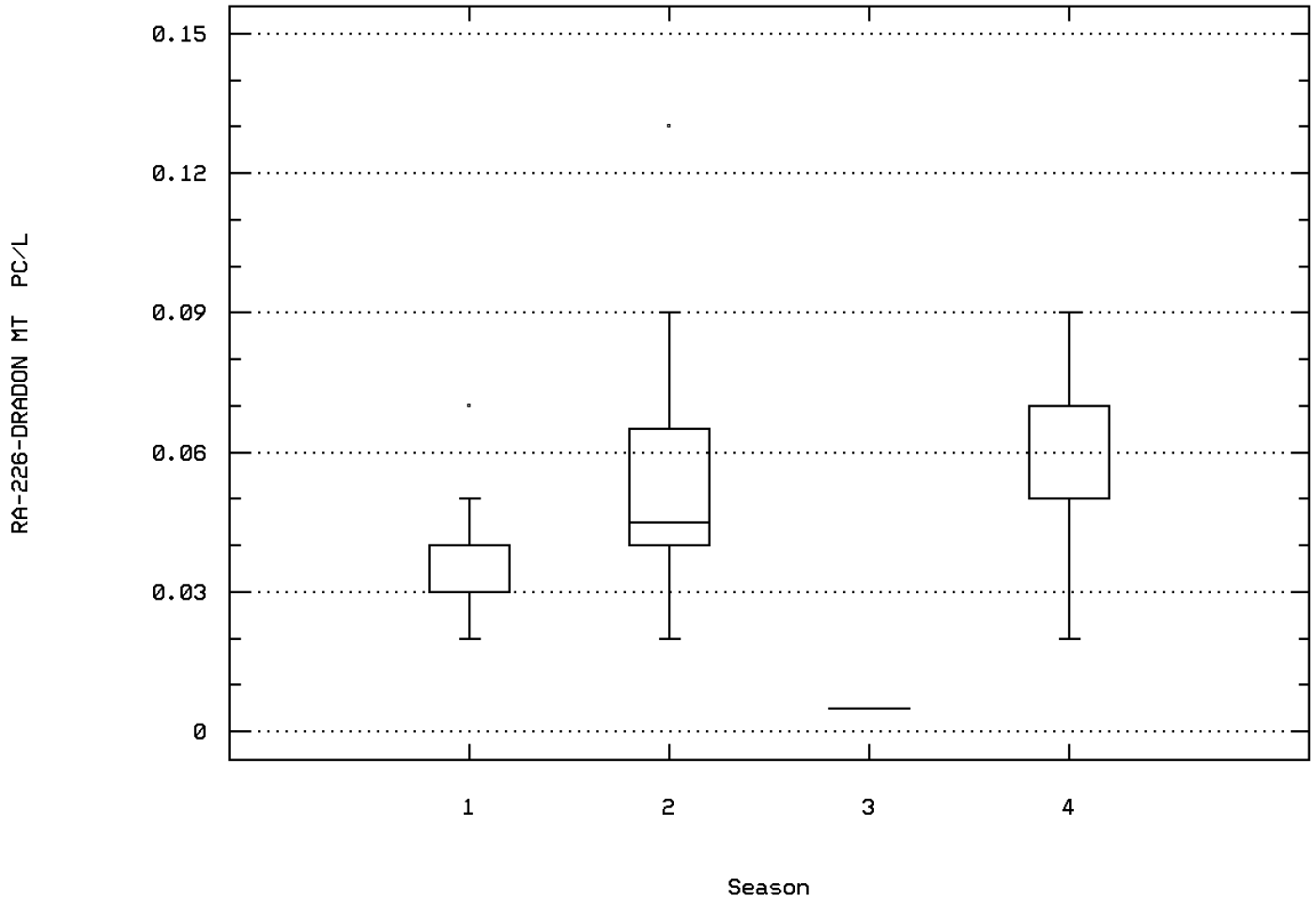
BETA, SUSPENDED GROSS, AS CS-137, PC/L



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 09511

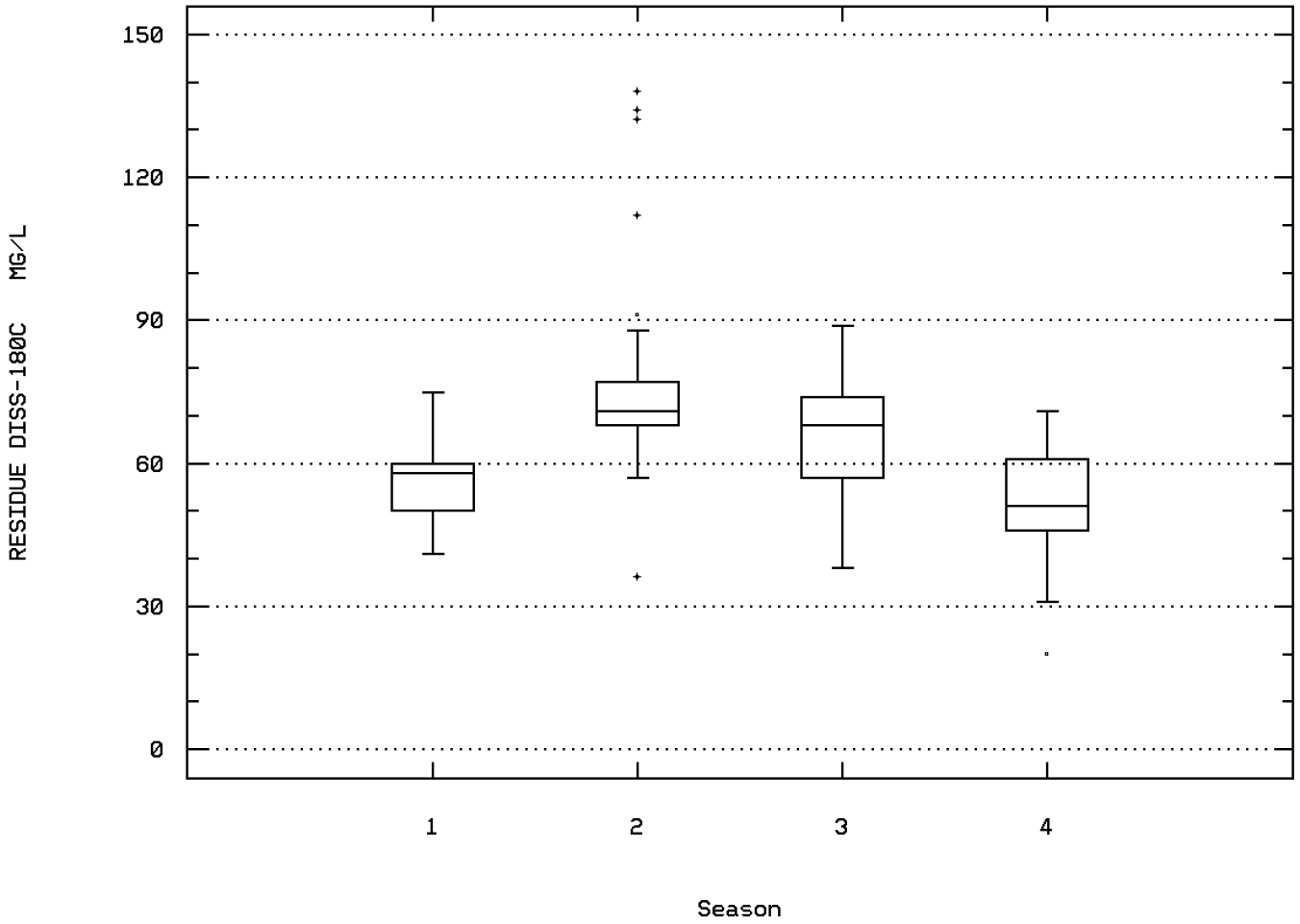
RADIUM 226, DISSOLVED, RADON METHOD



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 70300

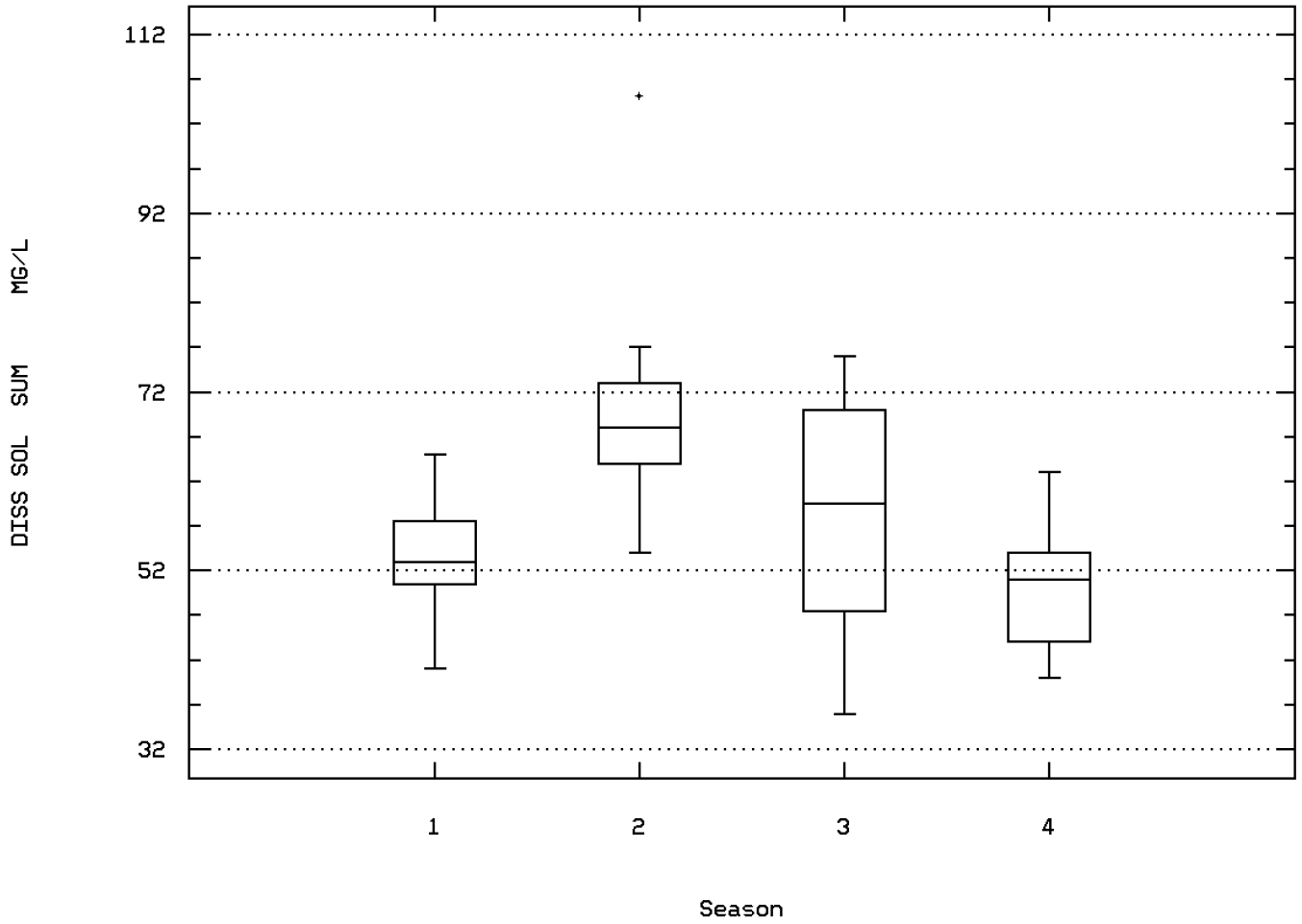
RESIDUE,TOTAL FILTRABLE (DRIED AT 180C)



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 70301

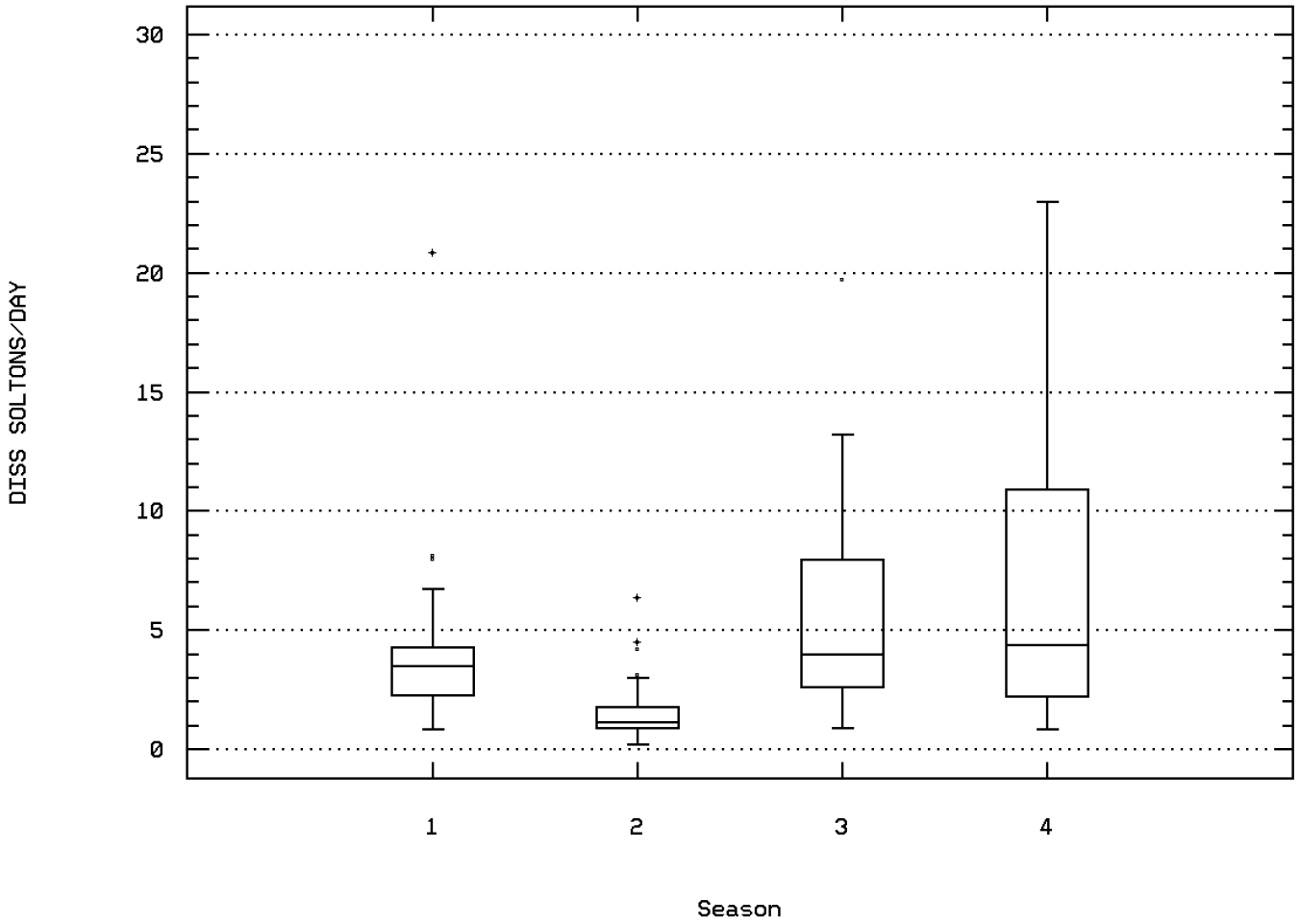
SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 70302

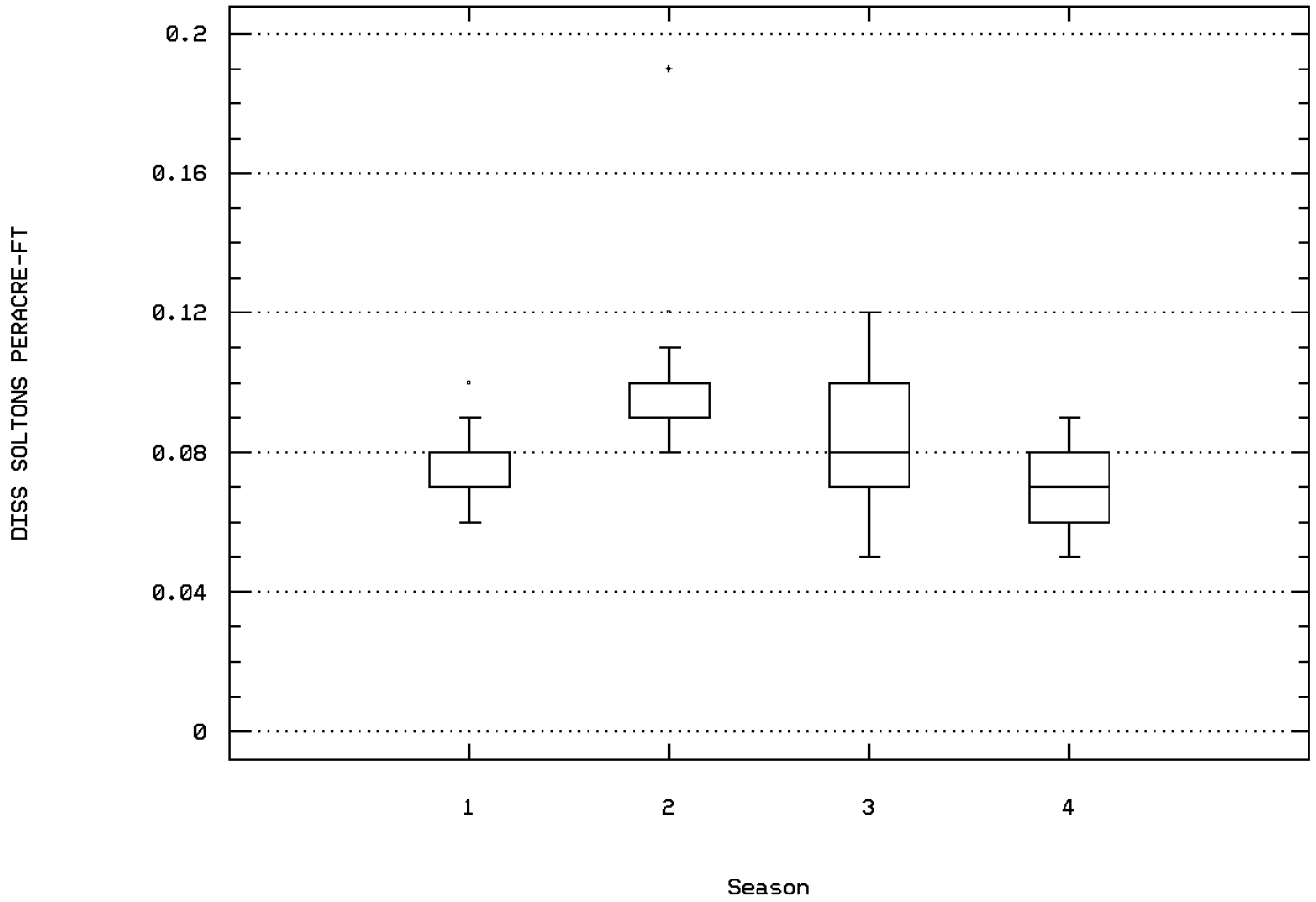
SOLIDS, DISSOLVED-TONS PER DAY



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 70303

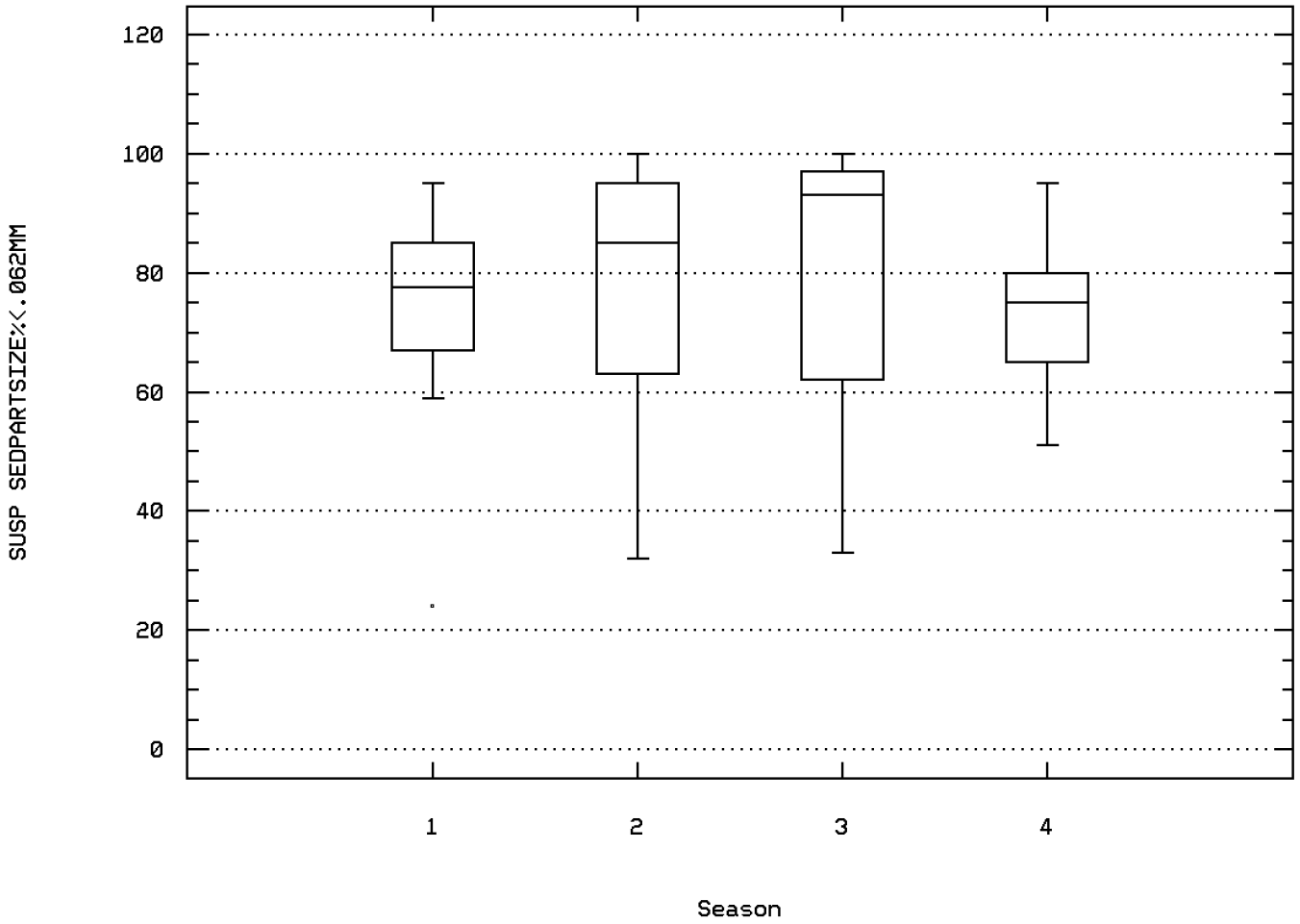
SOLIDS, DISSOLVED-TONS PER ACRE-FT



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 70331

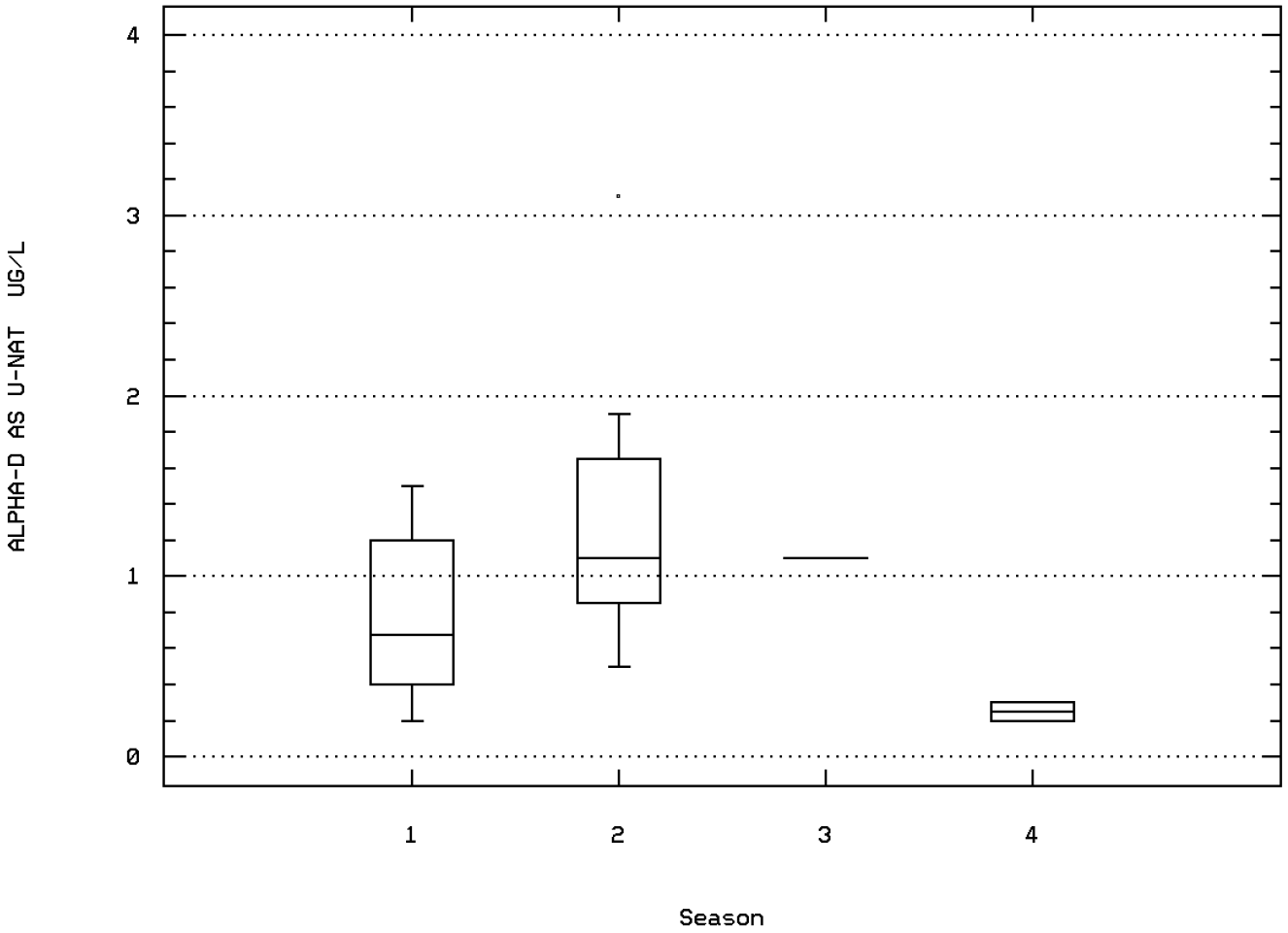
SUSPENDED SED SIEVE DIAMETER,% FINER TH



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 80030

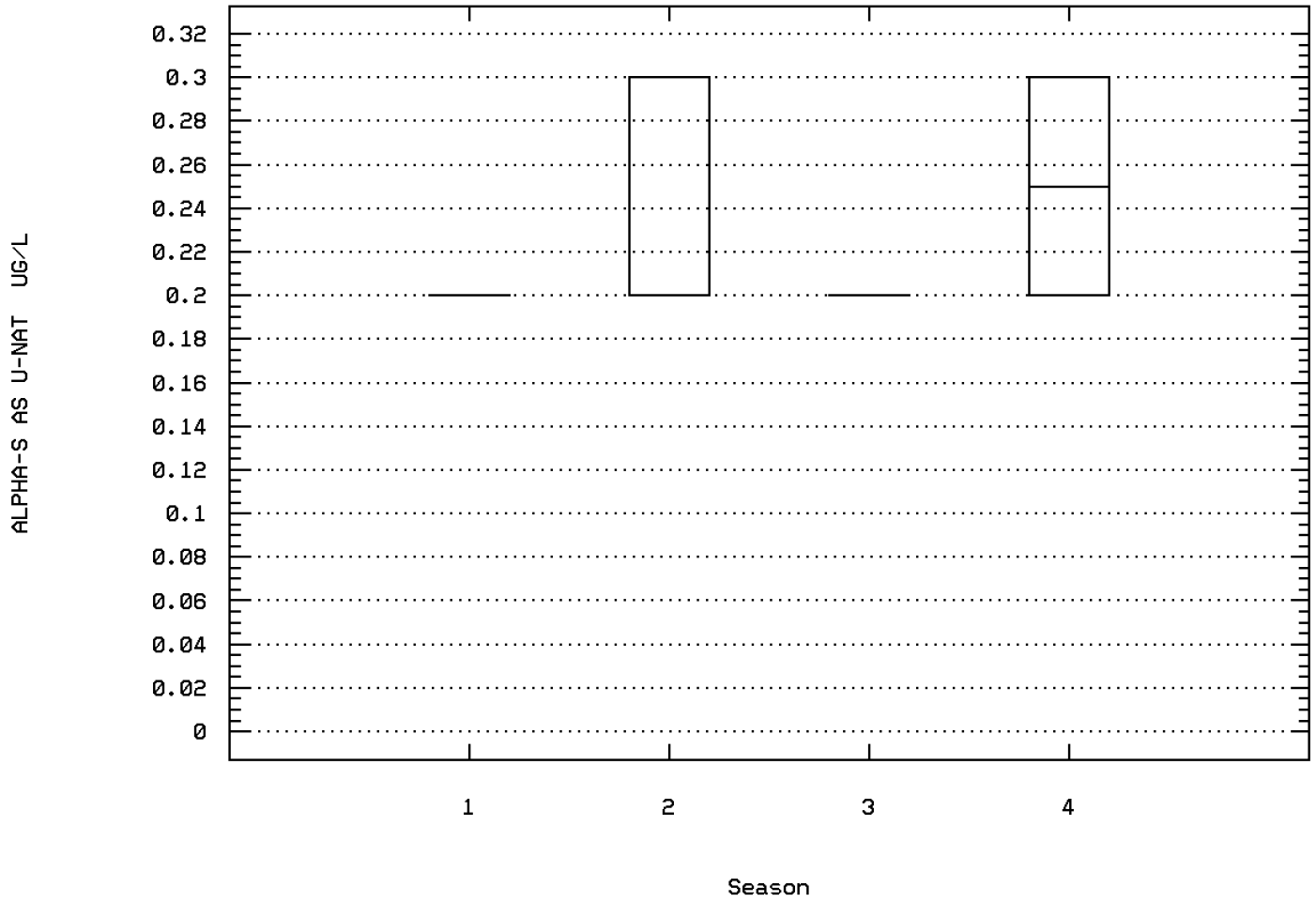
ALPHA,DISSOLVED GROSS,AS URANIUM-NATURA



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 80040

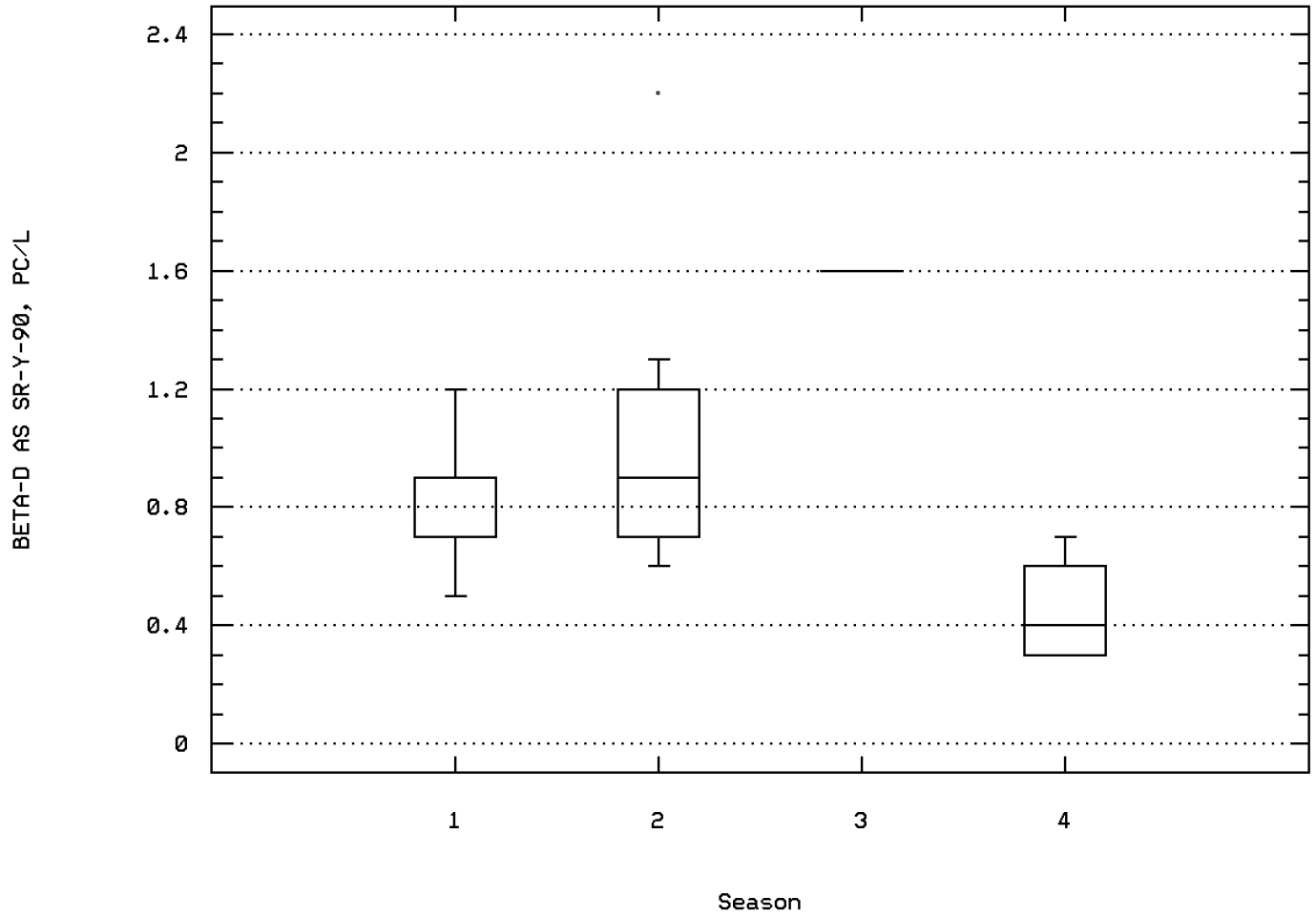
ALPHA,SUSPENDED GROSS, AS URANIUM-NATUR



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 80050

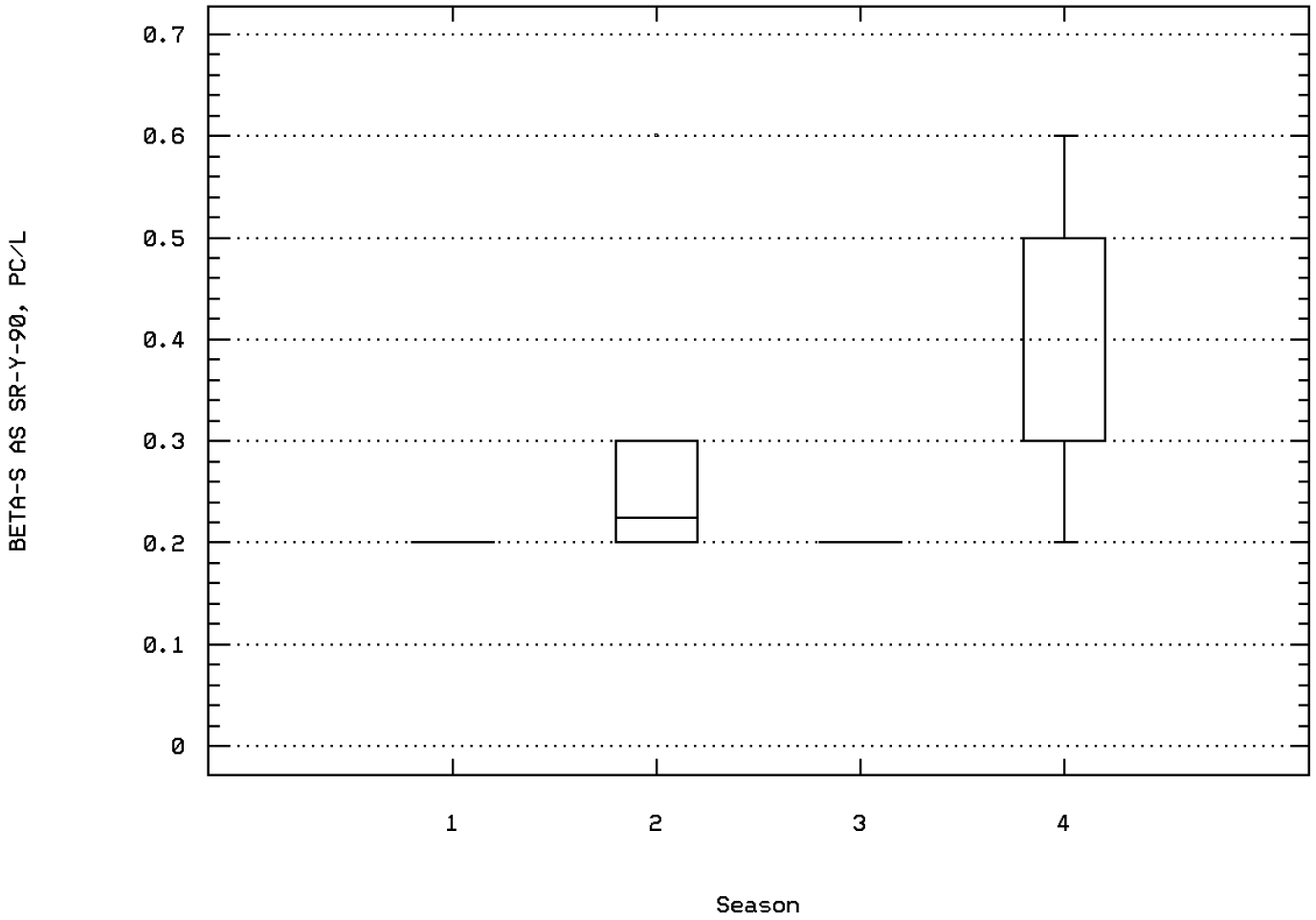
BETA,DISSOLVED GROSS,AS SR-Y-90, PC/L



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 80060

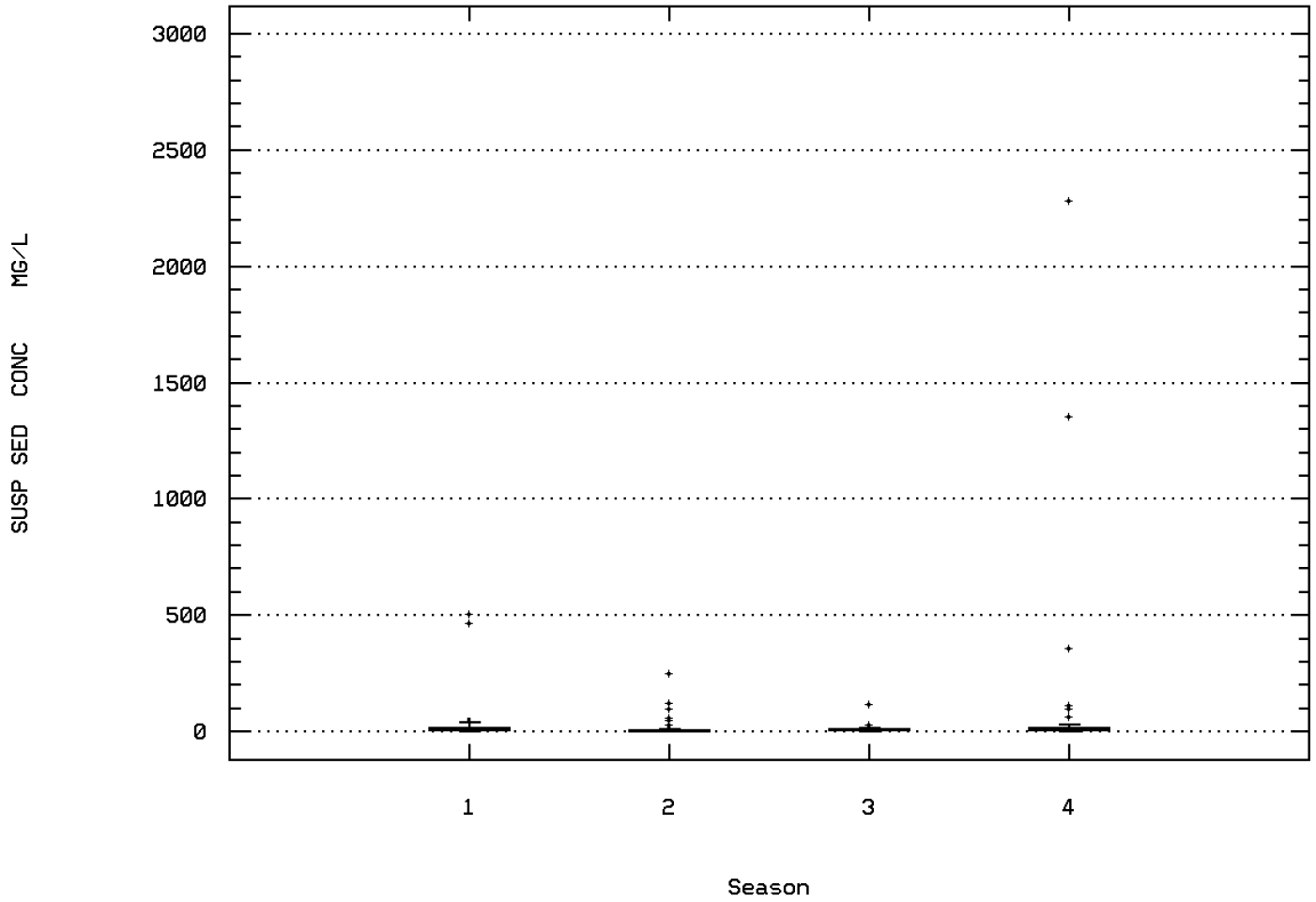
BETA,SUSPENDED GROSS,AS SR-Y-90, PC/L



RIO MORA NEAR TERRERO, NM

Station: PECO0050 Parameter Code: 80154

SUSP. SEDIMENT CONCENTRATION-EVAP. AT 1



RIO MORA NEAR TERRERO, NM

Station Inventory for Station: PECO0051

NPS Station ID: PECO0051
LAT/LON: 35.777226/-105.657503
Agency: 113FORS3
Date Created: 07/21/79
Location: RIO MORA AT USGS GAGING STATION
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): 352040 /USGS08377900/FS031071
RMI-Indexes: 1202001 000001 00020
Within Park Boundary: No
RMI-Miles: 0500.00 0792.00 000.10
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: PECOS RIVER
Elevation: 0
Water Body Id:
Minor Basin: UPPER PECOS RIVER
ECO Region:
RF1 Index: 13060001021
RF1 Mile Point: 0.100
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13060001057400.00
RF3 Mile Point: 0.02
Distance from RF3: 0.00
On/Off RF3:
Description:
STN ESTAB 7/20/67. STATION IS LOCATED AT THE USGS STN 08377900 WHICH IS 600 FEET (183 M) UPSTREAM FROM THE CONFLUENCE WITH THE PECOS RIVER. T18N, R12E, SEC. 22 NE1/4, NMPM, SANTA FE NATIONAL FOREST, SAN MIGUEL CO., N.M. ELEV. 7920 FT (2414 M).DRAINAGE AREA 53.2 SQ MI (137.8 SQ KM). ESTABLISH BASELINE AND MONITOR RUNOFF FROM THE PECOS WILDERNESS. FIELD

Parameter Inventory for Station: PECO0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/78-08/02/78	2	11.5	11.5	12.	11.	0.5	0.707	**	**	**	**
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	07/20/67-11/16/70	13	51.	46.385	60.	31.	124.756	11.169	31.	32.	55.5	59.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/02/78-08/02/78	1	19.	19.	19.	19.	0.	0.	**	**	**	**
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	07/20/67-11/16/70	14	65.	58.	75.	21.	280.154	16.738	26.5	46.	72.25	74.5
00060	FLOW, STREAM, MEAN DAILY CFS	07/20/67-11/16/70	14	26.	48.571	217.	8.	3247.648	56.988	8.5	15.	68.25	163.5
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/20/67-11/16/70	14	0.	3.214	15.	0.	29.258	5.409	0.	0.	10.	12.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	06/28/78-08/02/78	2	5.05	5.05	7.3	2.8	10.125	3.182	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	06/28/78-08/02/78	2	88.5	88.5	92.	85.	24.5	4.95	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/20/67-08/02/78	16	9.25	9.644	14.	8.	2.991	1.729	8.	8.075	10.375	12.6
00400	PH (STANDARD UNITS)	07/20/67-08/02/78	15	8.3	8.157	8.5	7.5	0.09	0.299	7.56	8.	8.4	8.44
00400	CONVERTED PH (STANDARD UNITS)	07/20/67-08/02/78	15	8.3	8.041	8.5	7.5	0.104	0.322	7.56	8.	8.4	8.44
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/20/67-08/02/78	15	0.005	0.009	0.032	0.003	0.	0.008	0.004	0.004	0.01	0.028
00405	CARBON DIOXIDE (MG/L AS CO2)	07/20/67-11/16/70	14	4.	4.071	5.	4.	0.071	0.267	4.	4.	4.	4.5
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/67-11/16/70	13	40.	41.154	80.	0.	321.474	17.93	12.	32.5	50.	70.
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	07/20/67-11/16/70	13	0.	4.615	60.	0.	276.923	16.641	0.	0.	0.	36.
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	05/22/69-05/22/69	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	05/22/69-05/22/69	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/20/67-12/01/69	7	60.	60.	90.	35.	316.667	17.795	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/13/70-11/16/70	3	50.	50.	60.	40.	100.	10.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/78-08/02/78	2	0.033	0.033	0.05	0.015	0.001	0.025	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/01/68-11/16/70	3	6.	6.	7.	5.	1.	1.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/28/78-08/02/78	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00655	PHOSPHATE, POLY (MG/L AS PO4)	10/01/68-11/16/70	3	0.	0.033	0.1	0.	0.003	0.058	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/01/68-11/16/70	3	0.1	0.167	0.3	0.1	0.013	0.115	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/78-08/02/78	2 ##	0.015	0.015	0.019	0.01	0.	0.006	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/20/67-11/16/70	14	50.	47.5	60.	30.	102.885	10.143	32.5	38.75	56.25	60.
00901	HARDNESS, CARBONATE (MG/L AS CACO3)	07/20/67-11/16/70	14	40.	40.357	50.	25.	74.863	8.652	27.5	30.	50.	50.
00940	CHLORIDE,TOTAL IN WATER MG/L	07/20/67-11/16/70	13	3.	2.615	5.	0.	4.256	2.063	0.	0.	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	07/20/67-11/16/70	14	5.	5.571	12.	0.	9.956	3.155	1.	3.75	8.	10.5
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/01/68-11/16/70	3	0.3	0.4	0.6	0.3	0.03	0.173	**	**	**	**
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	10/01/68-11/16/70	3	0.04	0.047	0.06	0.04	0.	0.012	**	**	**	**

** - 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: PECO0051

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01040	COPPER, DISSOLVED (UG/L AS CU)	07/20/67-11/16/70	14	5.	47.857	200.	0.	4295.055	65.537	0.	0.	100.	165.
01045	IRON, TOTAL (UG/L AS FE)	07/20/67-11/16/70	14	30.	38.571	130.	0.	2013.187	44.869	0.	0.	62.5	115.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/67-11/16/70	14	0.	71.429	250.	0.	13736.264	117.202	0.	0.	250.	250.
31501	COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,35C	05/22/69-05/18/71	7 ##	50.	45.	100.	5.	991.667	31.491	**	**	**	**
31501	LOG COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,	05/22/69-05/18/71	7 ##	1.699	1.499	2.	0.699	0.217	0.465	**	**	**	**
31501	GM COLIFORM,TOT,MEMBRANE FILTER,IMMED.M-ENDO MED,3	GEOMETRIC MEAN =			31.569								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/22/69-05/18/71	7 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/22/69-05/18/71	7 ##	0.699	0.699	0.699	0.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			5.								
31679	FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,48H	05/22/69-05/18/71	7 ##	5.	147.143	1000.	5.	141432.143	376.075	**	**	**	**
31679	LOG FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,	05/22/69-05/18/71	7 ##	0.699	1.028	3.	0.699	0.756	0.87	**	**	**	**
31679	GM FECAL STREPTOCOCCI,MF M-ENTEROCOCCUS AGAR,35C,4	GEOMETRIC MEAN =			10.658								
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10/01/68-11/16/70	3	0.	0.	0.	0.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	10/01/68-11/16/70	3	0.	0.	0.	0.	0.	0.	**	**	**	**
71875	HYDROGEN SULFIDE (MG/L)	10/01/68-11/16/70	3	0.1	0.067	0.1	0.	0.003	0.058	**	**	**	**

** - 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: PECO0051

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	14	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00							1	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	16	0	0.00	8	0	0.00	4	0	0.00	2	0	0.00	2	0	0.00
00400	PH	Other-Hi Lim.	9.	15	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
		Other-Lo Lim.	6.5	15	0	0.00	8	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00
00620	NITRATE NITROGEN, TOTAL 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.	2	0	0.00	1	0	0.00							1	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	13	0	0.00	7	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	250.	13	0	0.00	7	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	14	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	2	0	0.00	1	0	0.00						
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	100.	3	0	0.00	2	0	0.00	1	0	0.00						
01040	COPPER, DISSOLVED	Fresh Acute	18.	14	6	0.43	7	2	0.29	4	2	0.50	2	2	1.00	1	0	0.00
		Drinking Water	1300.	14	0	0.00	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	7	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	7	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	3	0	0.00	2	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: PECO0052

NPS Station ID: PECO0052
LAT/LON: 35.777226/-105.657503
Agency: 11NATDC
Date Created: 07/13/85
Location: RIO MORA NR TERRERO
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): T0706365 /2052
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 0
Water Body Id:
Minor Basin: UPPER PECOS R
ECO Region:
RF1 Index: 13060001021
RF1 Mile Point: 0.100
Distance from RF1: 0.00
On/Off RF1: ON
RF3 Index: 13060001001452.74
RF3 Mile Point: 52.97
Distance from RF3: 0.09
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0052

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: PECO0053

NPS Station ID: PECO0053
LAT/LON: 35.777226/-105.657503
Agency: 21NMEX
Date Created: 08/09/86
Location: RIO MORA AT USGS GAGE 08377900
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/STREAM
STORET Station ID(s): UPR214.007505 /UPR214007505/08377900
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin: WESTERN GULF
Elevation: 0
Water Body Id:
Minor Basin: PECOS RIVER
ECO Region:
RF1 Index: 13060001021
RF1 Mile Point: 0.100
Distance from RF1: 0.00
On/Off RF1: OFF
RF3 Index: 13060001001921.22
RF3 Mile Point: 21.69
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/05/86-08/07/91	11	4.5	5.318	12.8	0.2	23.182	4.815	0.32	0.8	9.5	12.74
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	02/28/91-02/28/91	1	4.5	4.5	4.5	4.5	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/09/87-08/02/87	3	0.1	2.217	6.5	0.05	13.761	3.71	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/09/87-02/28/88	5	0.	6.	25.	0.	117.5	10.84	**	**	**	**
00081	COLOR,APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	02/28/91-08/07/91	3	10.	13.333	30.	0.	233.333	15.275	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/05/86-08/07/91	10	61.	62.5	82.	45.	124.722	11.168	45.5	56.	72.75	81.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/05/86-08/07/91	12	104.5	102.833	136.	70.	465.424	21.574	71.2	86.75	118.	133.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/07/91-08/07/91	1	9.3	9.3	9.3	9.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/05/86-08/07/91	11	7.8	7.814	8.3	7.3	0.106	0.326	7.3	7.6	8.11	8.268
00400	CONVERTED PH (STANDARD UNITS)	04/05/86-08/07/91	11	7.8	7.7	8.3	7.3	0.12	0.347	7.3	7.6	8.11	8.268
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/05/86-08/07/91	11	0.016	0.02	0.05	0.005	0.	0.016	0.005	0.008	0.025	0.05
00403	PH, LAB, STANDARD UNITS SU	02/09/87-08/07/91	8	7.7	7.663	8.2	7.	0.168	0.41	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	02/09/87-08/07/91	8	7.689	7.493	8.2	7.	0.201	0.449	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/09/87-08/07/91	8	0.02	0.032	0.1	0.006	0.001	0.032	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/20/86-08/07/91	11	47.	43.909	52.	27.	52.691	7.259	28.6	40.	48.	51.4
00440	BICARBONATE ION (MG/L AS HCO3)	07/20/86-08/07/91	11	58.	53.818	63.	33.	78.764	8.875	35.	49.	59.	62.4
00445	CARBONATE ION (MG/L AS CO3)	02/09/87-08/07/91	8	0.	0.	0.	0.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/05/86-08/07/91	12 ##	1.5	3.333	11.	1.5	9.697	3.114	1.5	1.5	5.5	9.8
00600	NITROGEN, TOTAL (MG/L AS N)	04/05/86-08/07/91	12 ##	0.18	0.228	0.61	0.09	0.031	0.175	0.092	0.104	0.229	0.595
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	02/09/87-08/07/91	8	0.09	0.099	0.25	0.	0.01	0.099	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/05/86-08/07/91	12 ##	0.05	0.108	0.24	0.05	0.005	0.074	0.05	0.05	0.178	0.225
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/09/87-02/28/88	5 ##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/20/86-02/28/88	7 ##	0.02	0.039	0.07	0.02	0.001	0.024	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/05/86-08/07/91	12	0.295	0.282	0.53	0.05	0.028	0.166	0.05	0.138	0.398	0.527
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	04/05/86-08/07/91	7 ##	0.02	0.04	0.08	0.02	0.001	0.028	**	**	**	**
00640	NITROGEN, INORGANIC, TOTAL (MG/L AS N)	04/05/86-08/07/91	12 ##	0.098	0.103	0.15	0.07	0.001	0.025	0.07	0.09	0.124	0.147
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/05/86-08/07/91	12 ##	0.005	0.011	0.05	0.005	0.	0.014	0.005	0.005	0.016	0.041
00900	HARDNESS, TOTAL (MG/L AS CACO3)	02/09/87-08/07/91	8	59.	58.625	100.	33.	390.268	19.755	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/20/86-08/07/91	11	20.	19.8	36.	11.	39.008	6.246	11.44	18.	20.8	32.96
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/20/86-08/07/91	11	2.4	2.455	3.9	0.6	1.375	1.172	0.68	1.3	3.7	3.9
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/20/86-08/07/91	11	3.	4.809	11.5	1.	12.751	3.571	1.2	2.2	9.2	11.04
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/20/86-08/07/91	11 ##	0.8	1.083	2.5	0.15	0.866	0.931	0.15	0.25	2.	2.4
00940	CHLORIDE,TOTAL IN WATER MG/L	04/05/86-08/07/91	12 ##	2.5	2.417	5.	0.5	1.311	1.145	0.5	2.5	2.5	4.4
00945	SULFATE, TOTAL (MG/L AS SO4)	02/09/87-08/07/91	8	8.5	9.438	16.	2.5	22.96	4.792	**	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	04/05/86-10/31/86	4	14.95	13.475	19.	5.	41.769	6.463	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	02/28/91-08/07/91	3	0.22	0.203	0.28	0.11	0.007	0.086	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	02/28/91-08/07/91	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	04/05/86-03/18/91	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5

** - 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: PECO0053

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01005	BARIUM, DISSOLVED (UG/L AS BA)	02/28/91-08/07/91	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01007	BARIUM, TOTAL (UG/L AS BA)	04/05/86-03/18/91	11 ##	50.	50.	50.	50.	0.	0.	50.	50.	50.	50.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	02/28/91-08/07/91	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/28/91-03/18/91	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01020	BORON, DISSOLVED (UG/L AS B)	02/28/91-08/07/91	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01022	BORON, TOTAL (UG/L AS B)	02/28/91-03/18/91	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01025	CADMIUM, DISSOLVED (UG/L AS CD)	02/28/91-08/07/91	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/05/86-03/18/91	11 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	02/28/91-08/07/91	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/05/86-03/18/91	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
01035	COBALT, DISSOLVED (UG/L AS CO)	02/28/91-08/07/91	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01037	COBALT, TOTAL (UG/L AS CO)	02/28/91-03/18/91	2 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	02/28/91-08/07/91	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/20/86-03/18/91	10 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01045	IRON, TOTAL (UG/L AS FE)	07/20/86-03/18/91	8	115.	216.875	670.	25.	58085.268	241.009	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	02/28/91-08/07/91	3	200.	200.	300.	100.	10000.	100.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	02/28/91-08/07/91	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/05/86-03/18/91	11 ##	5.	4.545	5.	2.5	1.023	1.011	2.5	5.	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	07/20/86-03/18/91	9 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	02/28/91-08/07/91	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	02/28/91-08/07/91	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01062	MOLYBDENUM, TOTAL (UG/L AS MO)	07/20/86-03/18/91	10 ##	5.	14.	50.	5.	360.	18.974	5.	5.	16.25	50.
01065	NICKEL, DISSOLVED (UG/L AS NI)	02/28/91-08/07/91	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/20/86-03/18/91	10 ##	25.	30.	50.	25.	111.111	10.541	25.	25.	31.25	50.
01075	SILVER, DISSOLVED (UG/L AS AG)	02/28/91-08/07/91	3 ##	0.5	17.	50.	0.5	816.75	28.579	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	04/05/86-03/18/91	11 ##	0.5	0.5	0.5	0.5	0.	0.	0.5	0.5	0.5	0.5
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	02/28/91-08/07/91	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01082	STRONTIUM, TOTAL (UG/L AS SR)	02/28/91-03/18/91	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	02/28/91-08/07/91	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01086	VANADIUM, SUSPENDED (UG/L AS V)	02/28/91-08/07/91	3	200.	200.	300.	100.	10000.	100.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	02/28/91-08/07/91	3 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/20/86-03/18/91	10 ##	25.	25.	25.	25.	0.	0.	25.	25.	25.	25.
01100	TIN, DISSOLVED (UG/L AS SN)	02/28/91-08/07/91	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01102	TIN, TOTAL (UG/L AS SN)	02/28/91-03/18/91	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	02/28/91-03/18/91	2 ##	275.	275.	500.	50.	101250.	318.198	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	02/28/91-08/07/91	3	300.	283.333	500.	50.	50833.333	225.462	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	02/28/91-08/07/91	3	500.	1066.667	2400.	300.	1343333.333	1159.023	**	**	**	**
01142	SILICON, TOTAL (UG/L AS SI)	02/28/91-03/18/91	2	700.	700.	1200.	200.	500000.	707.107	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	02/28/91-08/07/91	3 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/05/86-03/18/91	11 ##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	04/05/86-08/07/91	12	73.	71.667	88.	52.	108.97	10.439	54.4	63.	80.	85.6
71890	MERCURY, DISSOLVED (UG/L AS HG)	02/28/91-08/07/91	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/05/86-03/18/91	11 ##	0.25	0.25	0.25	0.25	0.	0.	0.25	0.25	0.25	0.25
82036	CALCIUM-DISSOLVED UG/L (AS CA)	02/28/91-08/07/91	3	19.	16.667	20.	11.	24.333	4.933	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	02/28/91-08/07/91	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	04/05/86-08/07/91	11	1.1	4.173	15.5	0.1	24.428	4.942	0.12	0.7	7.9	13.98
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	02/28/91-08/07/91	3	4.1	5.367	11.	1.	26.203	5.119	**	**	**	**

** - 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: PECO0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400	PH	Other-Hi Lim.	9.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
00403	PH, LAB	Other-Hi Lim.	9.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
		Other-Lo Lim.	6.5	8	0	0.00	3	0	0.00	3	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: PECO0053

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	4	0	0.00	2	0	0.00	1	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	7	0	0.00	3	0	0.00	2	0	0.00	2	0	0.00			
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	12	0	0.00	5	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	250.	12	0	0.00	5	0	0.00	4	0	0.00	3	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	8	0	0.00	3	0	0.00	3	0	0.00	2	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01005	BARIUM, DISSOLVED	Drinking Water	2000.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01007	BARIUM, TOTAL	Drinking Water	2000.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	4.	0 &	0	0.00												
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	5.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	0 &	0	0.00												
		Drinking Water	1300.	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	15.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	100.	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
01075	SILVER, DISSOLVED	Fresh Acute	4.1	2 &	0	0.00				1	0	0.00	1	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	100.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
01090	ZINC, DISSOLVED	Fresh Acute	120.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
		Drinking Water	5000.	10	0	0.00	4	0	0.00	4	0	0.00	2	0	0.00			
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	50.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	2.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
		Drinking Water	2.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	11	0	0.00	4	0	0.00	4	0	0.00	3	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	3	0	0.00	1	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: PECO0054

NPS Station ID: PECO0054
LAT/LON: 35.777226/-105.657503
Agency: 11BIOACC
Date Created: 05/09/92
Location: RIO MORA @ TERRERO
FIPS State/County: 35047 NEW MEXICO/SAN MIGUEL
Station Type: /TYPA/AMBNT/FISH/STREAM
STORET Station ID(s): 3074
RMI-Indexes:
Within Park Boundary: No
RMI-Miles:
HUC: 13060001
Depth of Water: 0
Aquifer:
Major Basin:
Elevation: 0
Water Body Id:
Minor Basin:
ECO Region:
RF1 Index: 13060001
RF1 Mile Point: 0.000
Distance from RF1: 0.90
On/Off RF1:
RF3 Index: 13060001001453.77
RF3 Mile Point: 55.63
Distance from RF3: 0.02
On/Off RF3:
Description:

Parameter Inventory for Station: PECO0054

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	11/12/86-11/12/86	1 ##	0.24	0.24	0.24	0.24	0.	0.	**	**	**	**
30345	HEXACHLORODIBENZO-P-DIOXIN,123478,FISH,WET WT,PG/G	11/12/86-11/12/86	1 ##	0.325	0.325	0.325	0.325	0.	0.	**	**	**	**
30346	HEXACHLORODIBENZO-P-DIOXIN,123678,FISH,WET WT,PG/G	11/12/86-11/12/86	1 ##	0.325	0.325	0.325	0.325	0.	0.	**	**	**	**
30347	HEXACHLORODIBENZO-P-DIOXIN,123789,FISH,WET WT,PG/G	11/12/86-11/12/86	1 ##	0.325	0.325	0.325	0.325	0.	0.	**	**	**	**
30348	HEPTACHLORODIBENZO-P-DIOXIN,1234678,TIS,WETWT,PG/G	11/12/86-11/12/86	1 ##	0.655	0.655	0.655	0.655	0.	0.	**	**	**	**
30349	TETRACHLORODIBENZOFURAN, 2378- , FISH,WET WT.,PG/G	11/12/86-11/12/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
30350	PENTACHLORODIBENZOFURAN,12378- , FISH,WET WT.,PG/G	11/12/86-11/12/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
30351	PENTACHLORODIBENZOFURAN,23478- , FISH,WET WT.,PG/G	11/12/86-11/12/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
30352	HEXACHLORODIBENZOFURAN,123478- , FISH,WET WT.,PG/G	11/12/86-11/12/86	1 ##	0.115	0.115	0.115	0.115	0.	0.	**	**	**	**
30353	HEXACHLORODIBENZOFURAN,123678- , FISH,WET WT.,PG/G	11/12/86-11/12/86	1 ##	0.115	0.115	0.115	0.115	0.	0.	**	**	**	**
30354	HEXACHLORODIBENZOFURAN,123789- , FISH,WET WT.,PG/G	11/12/86-11/12/86	1 ##	0.115	0.115	0.115	0.115	0.	0.	**	**	**	**
30355	HEXACHLORODIBENZOFURAN,234678- , FISH,WET WT.,PG/G	11/12/86-11/12/86	1 ##	0.115	0.115	0.115	0.115	0.	0.	**	**	**	**
30356	HEPTACHLORODIBENZOFURAN,1234678- ,FISH,WET WT,PG/G	11/12/86-11/12/86	1 ##	0.385	0.385	0.385	0.385	0.	0.	**	**	**	**
30357	HEPTACHLORODIBENZOFURAN,1234789- ,FISH,WET WT,PG/G	11/12/86-11/12/86	1 ##	0.385	0.385	0.385	0.385	0.	0.	**	**	**	**
34395	HEXACHLOROBUTADIENE WET WGTTISMG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34555	1,2,4-TRICHLOROBENZENE WET WGTTISMG/KG	11/12/86-11/12/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
34685	ENDRIN WET WGTTISMG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34686	HEPTACHLOR EPOXIDE WET WGTTISMG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34687	HEPTACHLOR WET WGTTISMG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34688	HEXACHLOROBENZENE WET WGTTISMG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
34754	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN TISWETWTPG/G	11/12/86-11/12/86	1 ##	0.375	0.375	0.375	0.375	0.	0.	**	**	**	**
38824	ISOPROPALIN TISWETWGTMG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39063	CHLORDANE-CIS ISOMER,TISSUE WET WGT (UG/G)	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39066	CHLORDANE-TRANS ISOMER,TISSUE WET WGT (UG/G)	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39074	BHC-ALPHA ISOMER,TISSUE UG/G WET WGT	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39319	MONOCHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39322	P,P'-DDE IN TISSUE WET WGT MG/KG	11/12/86-11/12/86	1	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
39335	DICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39339	TRICHLOROBIPHENYL,TOTAL, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.001	0.001	0.001	0.001	0.	0.	**	**	**	**
39345	TETRACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1	0.008	0.008	0.008	0.008	0.	0.	**	**	**	**
39347	PENTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1	0.019	0.019	0.019	0.019	0.	0.	**	**	**	**
39354	HEPTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39355	OCTACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39404	DIELDRIN IN TISSUE WET WGT (UG/G)	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
39408	NONACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39409	DECACHLOROBIPHENYL,TOT, TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
39785	GAMMA-BHC(LINDANE),TISSUE,WET WEIGHT,MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
46333	PENTACHLORONITROBENZENE (PCNB) IN TISSUE WET MG/KG	11/12/86-11/12/86	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: PECO0054

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70977	INSTRUMENT RATIO, LAB/FIELD CONCENTRATIONS, NUMBER	11/12/86-11/12/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
71935	MERCURY, TOTAL IN FISH (PPM,WET WEIGHT BASIS)	11/12/86-11/12/86	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**
76530	BIPHENYL TISSUE ,WET WGT,MG/KG	11/12/86-11/12/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
78907	HEXACHLOROBIPHENYLS IN FISH TISSUE WET WGT. MG/KG	11/12/86-11/12/86	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
78922	NONACHLOR, TRANS, TISSUE, WET WEIGHT MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
78923	NONACHLOR, CIS, TISSUE, WET WEIGHT MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
79026	1,2,3,4,-TETRACHLOROBENZENE IN FISH WET WGT MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81312	POLYCHLORINATEDBIPHENYLS FISH TISSUE WET WGT MG/KG	11/12/86-11/12/86	1	0.045	0.045	0.045	0.045	0.	0.	**	**	**	**
81644	METHOXYCHLOR IN FISH TISSUE,UG/G WET WEIGHT	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81645	MIREX IN FISH TISSUE WET WEIGHT UG/G	11/12/86-11/12/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
81652	TREFLAN IN FISH TISSUE WET WEIGHT MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81807	DURSBAN IN FISH TISSUE WET WEIGHT MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
81823	PENTACHLOROANISOLE(PCA)INFISH TISSUE WET WGT MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
82029	OXYCHLORDANE IN TISSUE SAMPLE WET WEIGHT MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85675	TRICHLOROBENZENE,1,3,5- TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85676	TRICHLOROBENZENE,1,2,3- TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.	0.	0.	0.	0.	0.	**	**	**	**
85677	TETRACHLOROBENZENE,1,2,4,5- TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85678	TETRACHLOROBENZENE,1,2,3,5- TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85679	PENTACHLOROBENZENE TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85680	DIPHENYL DISULFIDE TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85681	OCTACHLOROSTYRENE TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85682	NITROFEN TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85683	PERTHANE TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	1 ##	0.002	0.002	0.002	0.002	0.	0.	**	**	**	**
85684	DICOFOL (KELTHANE) TISSUE,WET,WT,MG/KG	11/12/86-11/12/86	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 exist to compare against the data at this station. **********

EPA Water Quality Criteria Analysis for Entire PECO Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	254	0	0.00	102	0	0.00	48	0	0.00	35	0	0.00	69	0	0.00
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	80	0	0.00	21	0	0.00	27	0	0.00	11	0	0.00	21	0	0.00
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	58	0	0.00	21	0	0.00	27	0	0.00	10	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	352	0	0.00	97	0	0.00	116	0	0.00	52	0	0.00	87	0	0.00
00400	PH	Other-Hi Lim.	9.	665	12	0.02	205	2	0.01	209	6	0.03	124	1	0.01	127	3	0.02
		Other-Lo Lim.	6.5	665	9	0.01	205	4	0.02	209	1	0.00	124	4	0.03	127	0	0.00
00403	PH, LAB	Other-Hi Lim.	9.	272	0	0.00	81	0	0.00	88	0	0.00	86	0	0.00	17	0	0.00
		Other-Lo Lim.	6.5	272	13	0.05	81	6	0.07	88	1	0.01	86	6	0.07	17	0	0.00
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	27	0	0.00	5	0	0.00	6	0	0.00	9	0	0.00	7	0	0.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	63	0	0.00	20	0	0.00	24	0	0.00	13	0	0.00	6	0	0.00
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	13	0	0.00	4	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	119	1	0.01	55	1	0.02	33	0	0.00	17	0	0.00	14	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	337	0	0.00	87	0	0.00	113	0	0.00	102	0	0.00	35	0	0.00
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	65	0	0.00	13	0	0.00	21	0	0.00	15	0	0.00	16	0	0.00
00720	CYANIDE, TOTAL	Fresh Acute	0.022	18	0	0.00	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00
		Drinking Water	0.2	18	0	0.00	9	0	0.00	3	0	0.00	3	0	0.00	3	0	0.00
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	521	0	0.00	156	0	0.00	178	0	0.00	131	0	0.00	56	0	0.00
		Drinking Water	250.	521	0	0.00	156	0	0.00	178	0	0.00	131	0	0.00	56	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	487	10	0.02	143	5	0.03	171	0	0.00	121	5	0.04	52	0	0.00
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	25	0	0.00	11	0	0.00	6	0	0.00	8	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	163	0	0.00	42	0	0.00	63	0	0.00	29	0	0.00	29	0	0.00
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	158	0	0.00	52	0	0.00	40	0	0.00	64	0	0.00	2	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	152	0	0.00	43	0	0.00	54	0	0.00	43	0	0.00	12	0	0.00
		Drinking Water	50.	152	0	0.00	43	0	0.00	54	0	0.00	43	0	0.00	12	0	0.00
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	294	0	0.00	88	0	0.00	90	0	0.00	97	0	0.00	19	0	0.00
		Drinking Water	50.	294	0	0.00	88	0	0.00	90	0	0.00	97	0	0.00	19	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	155	0	0.00	43	0	0.00	56	0	0.00	44	0	0.00	12	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	5	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	293	0	0.00	88	0	0.00	90	0	0.00	96	0	0.00	19	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	133	0	0.00	31	0	0.00	51	0	0.00	42	0	0.00	9	0	0.00
		Drinking Water	4.	33 &	0	0.00	7	0	0.00	10	0	0.00	7	0	0.00	9	0	0.00
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	142	0	0.00	35	0	0.00	48	0	0.00	47	0	0.00	12	0	0.00
		Drinking Water	4.	18 &	2	0.11	10	2	0.20	8	0	0.00						
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	152 &	18	0.12	43	8	0.19	54	3	0.06	43	7	0.16	12	0	0.00
		Drinking Water	5.	152 &	17	0.11	43	8	0.19	54	3	0.06	43	6	0.14	12	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	286 &	25	0.09	84	10	0.12	88	2	0.02	97	13	0.13	17	0	0.00
		Drinking Water	5.	286 &	23	0.08	84	10	0.12	88	2	0.02	97	11	0.11	17	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	151	0	0.00	43	0	0.00	55	0	0.00	42	0	0.00	11	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01032	CHROMIUM, HEXAVALENT	Fresh Acute	16.	11	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	100.	11	0	0.00	7	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	293	0	0.00	88	0	0.00	90	0	0.00	96	0	0.00	19	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	99 &	37	0.37	37	18	0.49	28	7	0.25	19	10	0.53	15	2	0.13
		Drinking Water	1300.	190	8	0.04	64	4	0.06	63	0	0.00	48	4	0.08	15	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	62 &	19	0.31	19	10	0.53	18	2	0.11	16	7	0.44	9	0	0.00
		Drinking Water	1300.	281	9	0.03	86	4	0.05	88	0	0.00	88	5	0.06	19	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	151	5	0.03	43	2	0.05	55	0	0.00	42	3	0.07	11	0	0.00
		Drinking Water	15.	150 &	8	0.05	43	4	0.09	55	0	0.00	42	4	0.10	10	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	285 &	8	0.03	84	4	0.05	87	0	0.00	97	4	0.04	17	0	0.00
		Drinking Water	15.	285 &	17	0.06	84	7	0.08	87	2	0.02	97	8	0.08	17	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	136	0	0.00	40	0	0.00	46	0	0.00	42	0	0.00	8	0	0.00
		Drinking Water	100.	136	7	0.05	40	4	0.10	46	0	0.00	42	3	0.07	8	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	204	0	0.00	61	0	0.00	63	0	0.00	76	0	0.00	4	0	0.00
		Drinking Water	100.	204	8	0.04	61	4	0.07	63	0	0.00	76	4	0.05	4	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	108 &	0	0.00	19	0	0.00	45	0	0.00	32	0	0.00	12	0	0.00
		Drinking Water	100.	155	0	0.00	43	0	0.00	56	0	0.00	44	0	0.00	12	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	100.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01077	SILVER, TOTAL	Fresh Acute	4.1	219 &	1	0.00	65	1	0.02	70	0	0.00	67	0	0.00	17	0	0.00
		Drinking Water	100.	287	0	0.00	88	0	0.00	83	0	0.00	97	0	0.00	19	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 PECO Study Area

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/15-10/14 Obs	7/15-10/14 Exceed	7/15-10/14 Prop.	10/15-3/14 Obs	10/15-3/14 Exceed	10/15-3/14 Prop.	3/15-5/19 Obs	3/15-5/19 Exceed	3/15-5/19 Prop.	5/20-7/14 Obs	5/20-7/14 Exceed	5/20-7/14 Prop.
01090	ZINC, DISSOLVED	Fresh Acute	120.	143 &	36	0.25	43	9	0.21	47	12	0.26	43	15	0.35	10	0	0.00
		Drinking Water	5000.	148	15	0.10	43	8	0.19	52	1	0.02	43	6	0.14	10	0	0.00
01091	ZINC, SUSPENDED	Fresh Acute	120.	4	0	0.00	3	0	0.00	1	0	0.00						
		Drinking Water	5000.	4	0	0.00	3	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	275 &	55	0.20	86	14	0.16	82	14	0.17	88	27	0.31	19	0	0.00
		Drinking Water	5000.	281	16	0.06	86	8	0.09	88	1	0.01	88	7	0.08	19	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	154	0	0.00	43	0	0.00	55	0	0.00	44	0	0.00	12	0	0.00
		Drinking Water	50.	154	0	0.00	43	0	0.00	55	0	0.00	44	0	0.00	12	0	0.00
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	50.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	293	2	0.01	87	1	0.01	90	0	0.00	97	0	0.00	19	1	0.05
		Drinking Water	50.	293	0	0.00	87	0	0.00	90	0	0.00	97	0	0.00	19	0	0.00
22703	URANIUM, NATURAL DISSOLVED	Drinking Water	20.	10	0	0.00				6	0	0.00				4	0	0.00
28011	URANIUM, NATURAL, TOTAL	Drinking Water	20.	12	0	0.00				6	0	0.00				6	0	0.00
31501	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	Other-Hi Lim.	1000.	88	1	0.01	22	1	0.05	34	0	0.00	19	0	0.00	13	0	0.00
31507	COLIFORM, TOTAL, MPN	Other-Hi Lim.	1000.	7	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	341	18	0.05	149	14	0.09	25	0	0.00	12	0	0.00	155	4	0.03
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	67	2	0.03	14	0	0.00	25	0	0.00	14	1	0.07	14	1	0.07
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	13	0	0.00	10	0	0.00	3	0	0.00						
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	13	0	0.00	10	0	0.00	3	0	0.00						
		Drinking Water	0.2	13	0	0.00	10	0	0.00	3	0	0.00						
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	11	0	0.00	10	0	0.00	1	0	0.00						
		Drinking Water	2.	11	0	0.00	10	0	0.00	1	0	0.00						
39360	DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	13	0	0.00	10	0	0.00	3	0	0.00						
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	13	0	0.00	10	0	0.00	3	0	0.00						
39370	DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	13	0	0.00	10	0	0.00	3	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	13	0	0.00	10	0	0.00	3	0	0.00						
39388	ENDOSULFAN IN WHOLE WATER SAMPLE	Fresh Acute	0.22	6	0	0.00	6	0	0.00									
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	13	0	0.00	10	0	0.00	3	0	0.00						
		Drinking Water	2.	13	0	0.00	10	0	0.00	3	0	0.00						
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	9	0	0.00	9	0	0.00									
		Drinking Water	3.	9	0	0.00	9	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	13	0	0.00	10	0	0.00	3	0	0.00						
		Drinking Water	0.4	13	0	0.00	10	0	0.00	3	0	0.00						
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	11	0	0.00	10	0	0.00	1	0	0.00						
		Drinking Water	0.2	11	0	0.00	10	0	0.00	1	0	0.00						
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00	4	0	0.00									
39540	PARATHION IN WHOLE WATER SAMPLE	Fresh Acute	0.065	11	0	0.00	10	0	0.00	1	0	0.00						
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	12	0	0.00	10	0	0.00	2	0	0.00						
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	12	0	0.00	10	0	0.00	2	0	0.00						
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	9	0	0.00	7	0	0.00	2	0	0.00						
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	58	0	0.00	16	0	0.00	25	0	0.00	10	0	0.00	7	0	0.00
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	4	0	0.00	2	0	0.00				2	0	0.00			
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	147	0	0.00	43	0	0.00	54	0	0.00	40	0	0.00	10	0	0.00
		Drinking Water	2.	147	0	0.00	43	0	0.00	54	0	0.00	40	0	0.00	10	0	0.00
71895	MERCURY, SUSPENDED	Fresh Acute	2.4	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	296	0	0.00	88	0	0.00	90	0	0.00	98	0	0.00	20	0	0.00
		Drinking Water	2.	296	0	0.00	88	0	0.00	90	0	0.00	98	0	0.00	20	0	0.00
80020	URANIUM, DISS. BY EXTRACTION FLUOROMETRI	Drinking Water	20.	18	0	0.00	10	0	0.00	6	0	0.00	1	0	0.00	1	0	0.00
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	176 &	3	0.02	61	2	0.03	58	0	0.00	55	1	0.02	2	0	0.00
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	150	7	0.05	53	5	0.09	52	0	0.00	40	2	0.05	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

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Missing Level I Groups

No STORET Data Within the PECO Study Area Exist for These Groups:

Chlorophyll*

*Not A Priority Parameter

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Present Level I Groups

STORET Data Within the PECO Study Area Exist for These Groups:

Alkalinity		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	369	253	35	81	29
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	39	0	0	39	3
00440	BICARBONATE ION (MG/L AS HCO3)	409	245	80	84	29
00445	CARBONATE ION (MG/L AS CO3)	296	197	21	78	24
		1113	695	136	282	85 (32)[!]

pH		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00400	PH (STANDARD UNITS)	665	267	154	244	41
00403	PH, LAB (STANDARD UNITS)	272	251	21	0	24
		937	518	175	244	65 (43)[!]

Conductivity		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	176	176	0	0	21
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	856	332	291	233	41
		1032	508	291	233	62 (41)[!]

Dissolved Oxygen		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	58	58	0	0	12
00300	OXYGEN, DISSOLVED (MG/L)	352	81	140	131	29
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	98	48	50	0	11
		508	187	190	131	52 (37)[!]

Water Temperature		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	933	267	408	258	44
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	41	0	0	41	3
		974	267	408	299	47 (46)[!]

Flow		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00060	FLOW, STREAM, MEAN DAILY CFS	211	0	25	186	10
00061	FLOW, STREAM, INSTANTANEOUS CFS	308	27	166	115	7
00065	STAGE, STREAM (FEET)	2	0	2	0	1
		521	27	193	301	18 (15)[!]

[!]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Clarity/Turbidity		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070	TURBIDITY, (JACKSON CANDLE UNITS)	260	31	34	195	25
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	80	25	55	0	6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	322	252	55	15	30
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	177	177	0	0	21
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	150	150	0	0	17
		989	635	144	210	99 (42)[!]

Nitrate/Nitrogen		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600	NITROGEN, TOTAL (MG/L AS N)	255	243	7	5	24
00602	NITROGEN, DISSOLVED (MG/L AS N)	8	0	8	0	1
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	236	220	12	4	24
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	12	0	12	0	1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	52	27	23	2	3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	385	269	115	1	34
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	13	2	2	9	3
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	119	70	40	9	23
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	13	1	12	0	1
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	359	272	84	3	28
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	337	195	134	8	29
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	65	27	27	11	2
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	2	0	2	0	1
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	19	2	14	3	1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	58	0	0	58	1
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	4	0	0	4	1
		1937	1328	492	117	177 (41)[!]

Phosphate/Phosphorus		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14	0	2	12	1
00655	PHOSPHATE, POLY (MG/L AS PO4)	9	0	0	9	3
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	27	0	7	20	5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	449	273	158	18	34
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	48	27	21	0	1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	57	28	18	11	4
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	9	7	2	0	1
		613	335	208	70	49 (37)[!]

Sulfates/Total Dissolved Solids/Hardness		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900	HARDNESS, TOTAL (MG/L AS CACO3)	406	228	52	126	31
00945	SULFATE, TOTAL (MG/L AS SO4)	487	255	117	115	32
00946	SULFATE, DISSOLVED (MG/L AS SO4)	25	25	0	0	6
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	459	277	109	73	28
		1377	785	278	314	97 (33)[!]

Bacteria		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31501	COLIFORM, TOT, MEMBRANE FILTER,IMMED.M-ENDOMED,35C	88	0	33	55	4
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	7	0	0	7	1
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	344	4	145	195	14
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	67	23	44	0	1
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	64	23	41	0	1
		570	50	263	257	21 (14)[!]

[!]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

Toxic Elements		Total Obs.	01/01/85 to 04/28/95	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01000	ARSENIC, DISSOLVED (UG/L AS AS)	152	132	18	2	21
01001	ARSENIC, SUSPENDED (UG/L AS AS)	4	0	4	0	1
01002	ARSENIC, TOTAL (UG/L AS AS)	294	220	70	4	27
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	133	116	16	1	16
01012	BERYLLIUM, TOTAL (UG/L AS BE)	142	87	55	0	19
01025	CADMIUM, DISSOLVED (UG/L AS CD)	153	132	18	3	21
01027	CADMIUM, TOTAL (UG/L AS CD)	294	220	70	4	27
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	151	132	18	1	20
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	4	0	4	0	1
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	11	0	0	11	5
01034	CHROMIUM, TOTAL (UG/L AS CR)	293	220	69	4	27
01040	COPPER, DISSOLVED (UG/L AS CU)	190	128	16	46	21
01042	COPPER, TOTAL (UG/L AS CU)	281	207	70	4	24
01049	LEAD, DISSOLVED (UG/L AS PB)	151	132	18	1	20
01051	LEAD, TOTAL (UG/L AS PB)	295	220	69	6	28
71890	MERCURY, DISSOLVED (UG/L AS HG)	147	129	18	0	20
71895	MERCURY, SUSPENDED (UG/L AS HG)	4	0	4	0	1
71900	MERCURY, TOTAL (UG/L AS HG)	296	220	70	6	28
01065	NICKEL, DISSOLVED (UG/L AS NI)	136	130	5	1	15
01067	NICKEL, TOTAL (UG/L AS NI)	204	204	0	0	21
01145	SELENIUM, DISSOLVED (UG/L AS SE)	154	134	18	2	21
01146	SELENIUM, SUSPENDED (UG/L AS SE)	4	0	4	0	1
01147	SELENIUM, TOTAL (UG/L AS SE)	293	220	69	4	27
01075	SILVER, DISSOLVED (UG/L AS AG)	155	134	18	3	21
01076	SILVER, SUSPENDED (UG/L AS AG)	4	0	4	0	1
01077	SILVER, TOTAL (UG/L AS AG)	287	219	64	4	27
01090	ZINC, DISSOLVED (UG/L AS ZN)	148	128	16	4	18
01091	ZINC, SUSPENDED (UG/L ZN)	4	0	4	0	1
01092	ZINC, TOTAL (UG/L AS ZN)	281	207	70	4	24
00720	CYANIDE, TOTAL (MG/L AS CN)	18	0	15	3	1
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	13	0	8	5	1
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	11	0	8	3	1
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	13	0	8	5	1
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	11	0	8	3	1
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	9	0	8	1	1
		4818	3671	982	165	516 (32)[1]

[1]Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	1113	695	62.4	32	66.7	34.8	11/06/62-12/08/92	37.0
pH	937	518	55.3	43	89.6	21.8	11/06/62-04/28/95	28.9
Conductivity	1032	508	49.2	41	85.4	25.2	11/06/62-04/28/95	31.8
Dissolved Oxygen	508	187	36.8	37	77.1	13.7	07/20/67-04/28/95	18.3
Water Temperature	974	267	27.4	46	95.8	21.2	10/05/66-04/28/95	34.1
Flow	521	27	5.2	15	31.3	34.7	05/15/63-06/25/92	17.9
Clarity/Turbidity	989	635	64.2	42	87.5	23.5	07/20/67-12/08/92	39.0
Nitrate/Nitrogen	1937	1328	68.6	41	85.4	47.2	11/06/62-06/25/92	65.4
Phosphate/Phosphorus	613	335	54.6	37	77.1	16.6	11/30/67-06/25/92	24.9
Chlorophyll	0	0	0.0	0	0.0	0.0	No Data For Group	0.0
Sulfates/Total Dissolved Solids/Hardness	1377	785	57.0	33	68.8	41.7	11/06/62-12/08/92	45.8
Bacteria	570	50	8.8	14	29.2	40.7	12/28/67-06/25/92	23.3
Toxic Elements	4818	3671	76.2	32	66.7	150.6	11/09/66-05/01/92	189.1

Water Quality Observations
Outside STORET Edit Criteria for PECO

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
PECO0042	01025	CADMIUM, DISSOLVED (UG/L AS CD)	920318	1105	1100.0000000	21NMEX	UPR214.007010	
PECO0042	01027	CADMIUM, TOTAL (UG/L AS CD)	920318	1105	1200.0000000	21NMEX	UPR214.007010	
PECO0042	01040	COPPER, DISSOLVED (UG/L AS CU)	920318	1105	10000.0000000	21NMEX	UPR214.007010	
PECO0042	01042	COPPER, TOTAL (UG/L AS CU)	920318	1105	8500.0000000	21NMEX	UPR214.007010	
PECO0042	01090	ZINC, DISSOLVED (UG/L AS ZN)	900906	1230	43000.0000000	21NMEX	UPR214.007010	
PECO0042	01090	ZINC, DISSOLVED (UG/L AS ZN)	910807	1200	32000.0000000	21NMEX	UPR214.007010	
PECO0042	01090	ZINC, DISSOLVED (UG/L AS ZN)	910911	1200	44000.0000000	21NMEX	UPR214.007010	
PECO0042	01090	ZINC, DISSOLVED (UG/L AS ZN)	920318	1105	330000.0000000	21NMEX	UPR214.007010	
PECO0042	01092	ZINC, TOTAL (UG/L AS ZN)	900906	1230	52000.0000000	21NMEX	UPR214.007010	
PECO0042	01092	ZINC, TOTAL (UG/L AS ZN)	910911	1200	45000.0000000	21NMEX	UPR214.007010	
PECO0042	01092	ZINC, TOTAL (UG/L AS ZN)	920318	1105	330000.0000000	21NMEX	UPR214.007010	
PECO0042	01105	ALUMINUM, TOTAL (UG/L AS AL)	920318	1105	51000.0000000	21NMEX	UPR214.007010	
PECO0044	00900	HARDNESS, TOTAL (MG/L AS CACO3)	900508	1310	5300.0000000	21NMEX	UPR214.007007	
PECO0044	00900	HARDNESS, TOTAL (MG/L AS CACO3)	910804	1115	5320.0000000	21NMEX	UPR214.007007	
PECO0044	00915	CALCIUM, DISSOLVED (MG/L AS CA)	900508	1310	1030.0000000	21NMEX	UPR214.007007	
PECO0044	00915	CALCIUM, DISSOLVED (MG/L AS CA)	910318	1430	1400.0000000	21NMEX	UPR214.007007	
PECO0044	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	910804	1115	1050.0000000	21NMEX	UPR214.007007	
PECO0044	00945	SULFATE, TOTAL (MG/L AS SO4)	900508	1310	5675.0000000	21NMEX	UPR214.007007	
PECO0044	00945	SULFATE, TOTAL (MG/L AS SO4)	900906	1215	2700.0000000	21NMEX	UPR214.007007	
PECO0044	00945	SULFATE, TOTAL (MG/L AS SO4)	910318	1430	4750.0000000	21NMEX	UPR214.007007	
PECO0044	00945	SULFATE, TOTAL (MG/L AS SO4)	910507	1115	5975.0000000	21NMEX	UPR214.007007	
PECO0044	00945	SULFATE, TOTAL (MG/L AS SO4)	910807	1150	9300.0000000	21NMEX	UPR214.007007	
PECO0044	00945	SULFATE, TOTAL (MG/L AS SO4)	910911	1205	5025.0000000	21NMEX	UPR214.007007	
PECO0044	00945	SULFATE, TOTAL (MG/L AS SO4)	911007	1250	2930.0000000	21NMEX	UPR214.007007	
PECO0044	00945	SULFATE, TOTAL (MG/L AS SO4)	920318	1130	4650.0000000	21NMEX	UPR214.007007	
PECO0044	00945	SULFATE, TOTAL (MG/L AS SO4)	920902	1230	3675.0000000	21NMEX	UPR214.007007	
PECO0044	01025	CADMIUM, DISSOLVED (UG/L AS CD)	900906	1215	1900.0000000	21NMEX	UPR214.007007	
PECO0044	01025	CADMIUM, DISSOLVED (UG/L AS CD)	910318	1430	4000.0000000	21NMEX	UPR214.007007	
PECO0044	01025	CADMIUM, DISSOLVED (UG/L AS CD)	910507	1115	6500.0000000	21NMEX	UPR214.007007	
PECO0044	01025	CADMIUM, DISSOLVED (UG/L AS CD)	910807	1150	9999.0000000	21NMEX	UPR214.007007	
PECO0044	01025	CADMIUM, DISSOLVED (UG/L AS CD)	910911	1205	4400.0000000	21NMEX	UPR214.007007	
PECO0044	01025	CADMIUM, DISSOLVED (UG/L AS CD)	911007	1250	2500.0000000	21NMEX	UPR214.007007	
PECO0044	01025	CADMIUM, DISSOLVED (UG/L AS CD)	920318	1130	4800.0000000	21NMEX	UPR214.007007	
PECO0044	01027	CADMIUM, TOTAL (UG/L AS CD)	900412	1055	3000.0000000	21NMEX	UPR214.007007	
PECO0044	01027	CADMIUM, TOTAL (UG/L AS CD)	900508	1310	6200.0000000	21NMEX	UPR214.007007	
PECO0044	01027	CADMIUM, TOTAL (UG/L AS CD)	900906	1215	1900.0000000	21NMEX	UPR214.007007	
PECO0044	01027	CADMIUM, TOTAL (UG/L AS CD)	910318	1430	4200.0000000	21NMEX	UPR214.007007	
PECO0044	01027	CADMIUM, TOTAL (UG/L AS CD)	910804	1115	18000.0000000	21NMEX	UPR214.007007	
PECO0044	01027	CADMIUM, TOTAL (UG/L AS CD)	910911	1205	5100.0000000	21NMEX	UPR214.007007	
PECO0044	01027	CADMIUM, TOTAL (UG/L AS CD)	911007	1250	2400.0000000	21NMEX	UPR214.007007	
PECO0044	01027	CADMIUM, TOTAL (UG/L AS CD)	920318	1130	4600.0000000	21NMEX	UPR214.007007	

Water Quality Observations
Outside STORET Edit Criteria for PECO

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
PECO0044	01040	COPPER, DISSOLVED (UG/L AS CU)	900906	1215	3500.0000000	21NMEX	UPR214.007007	
PECO0044	01040	COPPER, DISSOLVED (UG/L AS CU)	910318	1430	11000.0000000	21NMEX	UPR214.007007	
PECO0044	01040	COPPER, DISSOLVED (UG/L AS CU)	910507	1115	23000.0000000	21NMEX	UPR214.007007	
PECO0044	01040	COPPER, DISSOLVED (UG/L AS CU)	910807	1150	40000.0000000	21NMEX	UPR214.007007	
PECO0044	01040	COPPER, DISSOLVED (UG/L AS CU)	910911	1205	13000.0000000	21NMEX	UPR214.007007	
PECO0044	01040	COPPER, DISSOLVED (UG/L AS CU)	911007	1250	4700.0000000	21NMEX	UPR214.007007	
PECO0044	01040	COPPER, DISSOLVED (UG/L AS CU)	920318	1130	14000.0000000	21NMEX	UPR214.007007	
PECO0044	01042	COPPER, TOTAL (UG/L AS CU)	900412	1055	7100.0000000	21NMEX	UPR214.007007	
PECO0044	01042	COPPER, TOTAL (UG/L AS CU)	900508	1310	19000.0000000	21NMEX	UPR214.007007	
PECO0044	01042	COPPER, TOTAL (UG/L AS CU)	900906	1215	7200.0000000	21NMEX	UPR214.007007	
PECO0044	01042	COPPER, TOTAL (UG/L AS CU)	910318	1430	13000.0000000	21NMEX	UPR214.007007	
PECO0044	01042	COPPER, TOTAL (UG/L AS CU)	910804	1115	90000.0000000	21NMEX	UPR214.007007	
PECO0044	01042	COPPER, TOTAL (UG/L AS CU)	910911	1205	15700.0000000	21NMEX	UPR214.007007	
PECO0044	01042	COPPER, TOTAL (UG/L AS CU)	911007	1250	31000.0000000	21NMEX	UPR214.007007	
PECO0044	01042	COPPER, TOTAL (UG/L AS CU)	920318	1130	18000.0000000	21NMEX	UPR214.007007	
PECO0044	01051	LEAD, TOTAL (UG/L AS PB)	900508	1310	1200.0000000	21NMEX	UPR214.007007	
PECO0044	01051	LEAD, TOTAL (UG/L AS PB)	900906	1215	1200.0000000	21NMEX	UPR214.007007	
PECO0044	01051	LEAD, TOTAL (UG/L AS PB)	911007	1250	1100.0000000	21NMEX	UPR214.007007	
PECO0044	01055	MANGANESE, TOTAL (UG/L AS MN)	900412	1055	19000.0000000	21NMEX	UPR214.007007	
PECO0044	01055	MANGANESE, TOTAL (UG/L AS MN)	900508	1310	26000.0000000	21NMEX	UPR214.007007	
PECO0044	01055	MANGANESE, TOTAL (UG/L AS MN)	900906	1215	17000.0000000	21NMEX	UPR214.007007	
PECO0044	01055	MANGANESE, TOTAL (UG/L AS MN)	910318	1430	25000.0000000	21NMEX	UPR214.007007	
PECO0044	01055	MANGANESE, TOTAL (UG/L AS MN)	910804	1115	54000.0000000	21NMEX	UPR214.007007	
PECO0044	01055	MANGANESE, TOTAL (UG/L AS MN)	910911	1205	23000.0000000	21NMEX	UPR214.007007	
PECO0044	01055	MANGANESE, TOTAL (UG/L AS MN)	911007	1250	15000.0000000	21NMEX	UPR214.007007	
PECO0044	01055	MANGANESE, TOTAL (UG/L AS MN)	920318	1130	23000.0000000	21NMEX	UPR214.007007	
PECO0044	01056	MANGANESE, DISSOLVED (UG/L AS MN)	900906	1215	8900.0000000	21NMEX	UPR214.007007	
PECO0044	01056	MANGANESE, DISSOLVED (UG/L AS MN)	910318	1430	25000.0000000	21NMEX	UPR214.007007	
PECO0044	01056	MANGANESE, DISSOLVED (UG/L AS MN)	910507	1115	29000.0000000	21NMEX	UPR214.007007	
PECO0044	01056	MANGANESE, DISSOLVED (UG/L AS MN)	910807	1150	33000.0000000	21NMEX	UPR214.007007	
PECO0044	01056	MANGANESE, DISSOLVED (UG/L AS MN)	910911	1205	24000.0000000	21NMEX	UPR214.007007	
PECO0044	01056	MANGANESE, DISSOLVED (UG/L AS MN)	911007	1250	16000.0000000	21NMEX	UPR214.007007	
PECO0044	01056	MANGANESE, DISSOLVED (UG/L AS MN)	920318	1130	20000.0000000	21NMEX	UPR214.007007	
PECO0044	01090	ZINC, DISSOLVED (UG/L AS ZN)	900906	1215	610000.0000000	21NMEX	UPR214.007007	
PECO0044	01090	ZINC, DISSOLVED (UG/L AS ZN)	910318	1430	1260000.0000000	21NMEX	UPR214.007007	
PECO0044	01090	ZINC, DISSOLVED (UG/L AS ZN)	910507	1115	1822000.0000000	21NMEX	UPR214.007007	
PECO0044	01090	ZINC, DISSOLVED (UG/L AS ZN)	910807	1150	2700000.0000000	21NMEX	UPR214.007007	
PECO0044	01090	ZINC, DISSOLVED (UG/L AS ZN)	910911	1205	1440000.0000000	21NMEX	UPR214.007007	
PECO0044	01090	ZINC, DISSOLVED (UG/L AS ZN)	911007	1250	690000.0000000	21NMEX	UPR214.007007	
PECO0044	01090	ZINC, DISSOLVED (UG/L AS ZN)	920318	1130	1400000.0000000	21NMEX	UPR214.007007	
PECO0044	01092	ZINC, TOTAL (UG/L AS ZN)	900412	1055	850000.0000000	21NMEX	UPR214.007007	

Water Quality Observations
Outside STORET Edit Criteria for PECO

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter		Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
PECO0044	01092	ZINC, TOTAL (UG/L AS ZN)	900508	1310	1600000.0000000	21NMEX	UPR214.007007	
PECO0044	01092	ZINC, TOTAL (UG/L AS ZN)	900906	1215	600000.0000000	21NMEX	UPR214.007007	
PECO0044	01092	ZINC, TOTAL (UG/L AS ZN)	910318	1430	1330000.0000000	21NMEX	UPR214.007007	
PECO0044	01092	ZINC, TOTAL (UG/L AS ZN)	910804	1115	4970000.0000000	21NMEX	UPR214.007007	
PECO0044	01092	ZINC, TOTAL (UG/L AS ZN)	910911	1205	1510000.0000000	21NMEX	UPR214.007007	
PECO0044	01092	ZINC, TOTAL (UG/L AS ZN)	911007	1250	760000.0000000	21NMEX	UPR214.007007	
PECO0044	01092	ZINC, TOTAL (UG/L AS ZN)	920318	1130	1400000.0000000	21NMEX	UPR214.007007	
PECO0044	01105	ALUMINUM, TOTAL (UG/L AS AL)	900412	1055	43000.0000000	21NMEX	UPR214.007007	
PECO0044	01105	ALUMINUM, TOTAL (UG/L AS AL)	900508	1310	99000.0000000	21NMEX	UPR214.007007	
PECO0044	01105	ALUMINUM, TOTAL (UG/L AS AL)	900906	1215	68000.0000000	21NMEX	UPR214.007007	
PECO0044	01105	ALUMINUM, TOTAL (UG/L AS AL)	910318	1430	81000.0000000	21NMEX	UPR214.007007	
PECO0044	01105	ALUMINUM, TOTAL (UG/L AS AL)	910804	1115	550000.0000000	21NMEX	UPR214.007007	
PECO0044	01105	ALUMINUM, TOTAL (UG/L AS AL)	910911	1205	91000.0000000	21NMEX	UPR214.007007	
PECO0044	01105	ALUMINUM, TOTAL (UG/L AS AL)	911007	1250	340000.0000000	21NMEX	UPR214.007007	
PECO0044	01105	ALUMINUM, TOTAL (UG/L AS AL)	920318	1130	250000.0000000	21NMEX	UPR214.007007	
PECO0044	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	910318	1430	29000.0000000	21NMEX	UPR214.007007	
PECO0044	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	910507	1115	110000.0000000	21NMEX	UPR214.007007	
PECO0044	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	910807	1150	170000.0000000	21NMEX	UPR214.007007	
PECO0044	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	910911	1205	33000.0000000	21NMEX	UPR214.007007	
PECO0044	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	920318	1130	37000.0000000	21NMEX	UPR214.007007	
PECO0044	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	900508	1310	9240.0000000	21NMEX	UPR214.007007	
PECO0044	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	910318	1430	7564.0000000	21NMEX	UPR214.007007	
PECO0044	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	910507	1115	8882.0000000	21NMEX	UPR214.007007	
PECO0044	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	910804	1115	26302.0000000	21NMEX	UPR214.007007	
PECO0044	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	910807	1150	15916.0000000	21NMEX	UPR214.007007	
PECO0044	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	911007	1250	4548.0000000	21NMEX	UPR214.007007	
PECO0044	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	920318	1130	8320.0000000	21NMEX	UPR214.007007	
PECO0044	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	920902	1230	5398.0000000	21NMEX	UPR214.007007	
PECO0050	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	900522	1100	0.0000000	112WRD	08377900	x
PECO0050	00400	PH (STANDARD UNITS)	870325	1315	0.0000000	112WRD	08377900	x
PECO0051	00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	680502	0900	30.0000000	113FORS3	352040	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 seven (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 seven 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 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 seven 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 above 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) PECOTABS.ZIP

This compressed file contains all the tables presented in the report. The files compressed into this file include:

(a) PECOSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.

(b) PECOAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.

(c) PECOAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

(d) PECOOV0.DOC - Overview of park and retrieved data.

(e) PECOOV1.DOC - Station period of record table.

(f) PECOOV2.DOC - Parameter period of record table.

(g) PECOOV3.DOC - Station/parameter period of record table.

(h) PECOINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.

(i) PECOSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.

(j) PECOEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.

(k) PECOIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.

(l) PECOBAD.DOC - Water quality observation values that were outside the range of one of 190 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 PECOOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\PECOOV1.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) PECOFIGS.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 PECO0001. 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 PECO0001) 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) PECOPARM.ZIP

This file compresses PECOPARM.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) PECOSITE.ZIP

This compressed file contains up to five 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, water gages, and water impoundments. These files include:

(a) PECOWQ.DBF - All water quality monitoring station locations within the project's study area downloaded from STORET.

(b) PECOIFD.DBF - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.

(c) PECODRIN.DBF - All drinking water intakes within the project's study area downloaded from the DRINKS database.

(d) PECOGAGE.DBF - All water gages within the project's study area downloaded from the GAGES database.

(e) PECODAMS.DBF - All water impoundments within the project's study area downloaded from the DAMS 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) PECOMISC.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) PECOEXEC.DOC - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.

(b) PECOTOC.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) APPENDIX.DOC - WordPerfect Ver. 5.1 copy of all the Appendices in the report.

(e) PECOREGI - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.

(f) PECOWQ - PCL and CLP (Windows Clipboard) 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 (PECOWQA, PECOWQB, PECOWQC, etc.) and the index map name will end with an ampersand (&).

(g) PECOIDG - PCL and CLP (Windows Clipboard) 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 (PECOIDGA, PECOIDGB, PECOIDGC, etc.) and the index map name will end with an ampersand (&). If no industrial facilities discharges, drinking water intakes, water gages, or water impoundments exist within the park's study area, these files will not be in the compressed (ZIP) file.

(h) PECOSEHY - PCL and CLP (Windows Clipboard) 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.

Other materials may also be included in this miscellaneous compressed (ZIP) file as warranted by conditions at the park. As with PECOFIGS.ZIP and PECOTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in PECOMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files. The CLP (Windows Clipboard) files can be imported (pasted) and/or edited in most Windows-based word processors and graphics packages.

(6) PECORF3.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.

(7) PECOWQMW.ZIP

Between 2000 and 2002, all Baseline Water Quality Data Inventory and Analysis Reports were compiled or re-compiled in Microsoft Word 2000 (Ver. 9.0) format. This complete, digital version of the report will be made available through various means, including the Internet. Although the reports can be opened in Microsoft Word 1997 (Ver. 8.0), the time series and annual and seasonal box-plots may not be centered appropriately on a page due to discrepancies with how Word 2000 formats pictures and how Word 1997 formatted pictures. Consequently, Word 2000 is the recommended software for viewing the report. Prior to printing the report from Word, be sure to enable "Print Text as Graphics" or "Print True Type Font as Graphics" in the Printer Properties. This ensures a more faithful reproduction of the maps included in the Word document.

The Microsoft Word version of the Baseline Water Quality Data Inventory and Analysis Report may differ slightly from the original analog version. Reports issued during 1994-1996 didn't have as many "bells-and-whistles" as subsequent reports. In compiling digital Microsoft Word versions of these earlier reports, attempts were made to bring these 1994-1996 reports up to the current standard wherever feasible and practicable. Unfortunately, some changes were not feasible or practicable. For example, water quality criteria screens were added or modified over time when newer criteria became available. The digital Microsoft Word version of Appendix F presents the latest criteria screening parameters and values. Some of these parameters and/or values may not have been screened against in the EPA water quality criteria analyses for each station and the entire study area in the 1994-1996 analog versions of the report. Similarly, the Introduction, Methodology, and Interpretive Guide to Water Quality Results may mention certain features that aren't included in the 1994-1996 reports. Additionally, to prepare a Microsoft Word version of this report, data were processed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

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.

Parameter Data File: PECOPARM.DBF in PECOPARM.ZIP				
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
				I=Value is Less Than Practical Quantitation Limit and Greater Than or Equal to the Method Detection Limit
				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

Parameter Data File: PECOPARM.DBF in PECOPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				M=Presence Verified, But Not Quantified, Below Quantification Limit; For Species, Male; For Oxygen Reduction Potential, Indicates a Negative Value
				N=Presumptive Evidence of Presence
				O=Analysis Lost
				P=Too Numerous to Count
				Q=Exceeded Normal Holding Time
				R=Significant Rain in Last 48 Hours
				S=Laboratory test
				T=Less Than Detection Criteria
				U=Analyzed For But Not Detected, Value is Detection Limit For Process Used; If Species, Undetermined
				V=Analyte was Detected in Sample and Method Blank
				W=Less Than Lowest Value Reportable Under Remark "T"
				X=Quasi Vertically-Integrated Sample
				Y=Analysis of Unpreserved Sample
				Z=Too Many Colonies Were Present to Count (TNTC), Value Represents Filtration Value
				$=Calculated By Retrieval Software
MEDIA	41	46	6	Sample Media
DEPTH	47	55	9.3	Depth of Sample [in feet]
ENDDATE	56	61	6	Measurement End Date [yymmdd] [all composite samples]
ENDTIME	62	65	4	Measurement End Time [hhmm] [all composite samples]
SAMPTYPE	66	69	4	Type of Sample ["sophisticated" composite samples]
				C=Continuous Collection
				G=Collection of Individual Grab Samples
				GNxx=xx is the Number of Individual Grab Samples
				B=N/A

Parameter Data File: PECOPARM.DBF in PECOPARM.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
COMPTYPE	70	70	1	Composite Value Type ["sophisticated" composite samples]
				A=Average
				H=Maximum
				L=Minimum
				N=Number of Observations
				#=Number of Observations
				S=Standard Deviation
				U=Sum of Squares
				V=Variance
				C=Coefficient of Error
				X=Coefficient of Variance
				E=Skewness
				F=Kurtosis
				Z=Number of Observations That Exceed an Established Limit
				%=Precision
				$=Accuracy
				B=N/A
				D=Indicates Replicate Sample
COMPST	71	71	1	Composite Space/Time Indicator
				S=Space
				T=Time
				B=Space and Time
				F=Flow Proportional
				1-9=Replicate Number

Note: DBASE III+ record lengths will be one greater than the last stop column displayed (71 here) because DBASE III+ reserves the first space/column of every record for a deletion flag. Hence, DBASE III+ will display a record length of 72 for this database.

The following table provides the DBASE III+ database field structure for all the water quality station locations downloaded from STORET. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Quality Station Data File: PECOWQ.DBF in PECOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
AGENCY	9	16	8	Agency Code of Station Owner
STORIDP	17	31	15	STORET Primary Station Code
STORIDS1	32	43	12	STORET First Secondary Station Code
STORIDS2	44	55	12	STORET Second Secondary Station Code
STORIDS3	56	65	10	STORET Third Secondary Station Code
LATITUDE	66	73	8	Station Latitude [degrees:minutes:seconds]
LONGITUDE	74	82	9	Station Longitude [degrees:minutes:seconds]
LAT	83	93	11.6	Station Latitude [decimal degrees, (-) below equator]
LON	94	104	11.6	Station Longitude [decimal degrees, (-) western hemisphere]
LLPREC	105	105	1	Latitude/Longitude Precision Code
RMI	106	329	224	River Mile Index
STATLOC	330	377	48	Station Location Description
CNTYCODE	378	382	5	FIPS State/County Code
STNAME	383	398	16	State Name
CNTYNAME	399	418	20	County Name
HYDUNIT	419	426	8	Hydrologic Unit Code (MAJ/MIN/SUB = Catalog Unit)
MAJBASN	427	450	24	Major Basin Name
MINBASN	451	490	40	Minor Basin Name
STATTYPE	491	550	60	Station Type
STORDATE	551	556	6	Date Station was Stored in STORET
RF1INDEX	557	567	11	RF1 Reach Number Location [2]
RF1MILE	568	575	8.3	Mile Point on RF1 Reach [2]
RF1LOC	576	578	3	Indicates the Location as ON or OFF RF1 Reach [2]
RF1DIST	579	584	6.2	Distance From RF1 Reach

Water Quality Station Data File: PECOWQ.DBF in PECOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
RF3INDEX	585	601	17	RF3 Reach Number Location [3]
RF3MILE	602	607	6.2	Mile point on RF3 Reach [3]
RF3LOC	608	610	3	Indicates the Location as ON or OFF RF3 Reach [2]
RF3DIST	611	616	6.2	Distance From RF3 Reach
DEPH2O	617	620	4	Depth of Water at Station Location [in feet]
ELEV	621	625	5	Station Elevation
ECOREG	626	628	3	ECO Region
H2OBODY	629	678	50	Waterbody ID
AQUIFERS	679	718	40	Aquifer Description
STATDESC1	719	790	72	Station Sentence Description
STATDESC2	791	862	72	Station Sentence Description
STATDESC3	863	934	72	Station Sentence Description
STATDESC4	935	1006	72	Station Sentence Description
STATDESC5	1007	1078	72	Station Sentence Description
STATDESC6	1079	1150	72	Station Sentence Description
STATDESC7	1151	1222	72	Station Sentence Description
STATDESC8	1223	1294	72	Station Sentence Description
STATDESC9	1295	1366	72	Station Sentence Description
STATDESC10	1367	1438	72	Station Sentence Description
STATDESC11	1439	1510	72	Station Sentence Description
STATDESC12	1511	1582	72	Station Sentence Description
STATDESC13	1583	1654	72	Station Sentence Description
STATDESC14	1655	1726	72	Station Sentence Description
STATDESC15	1727	1798	72	Station Sentence Description
STATLOCKED	1799	1799	1	Station Locked (Logical) True/False

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: PECOIFD.DBF in PECOSITE.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
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source

Industrial Facilities Discharges File: PECOIFD.DBF in PECOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
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
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)

Industrial Facilities Discharges File: PECOIFD.DBF in PECOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
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
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: PECODRIN.DBF in PECOSITE.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
IDAT	262	269	8	Date (mm/dd/yy)

Drinking Water Intakes File: PECODRIN.DBF in PECOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
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
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)

Drinking Water Intakes File: PECODRIN.DBF in PECOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the Water Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Gage File: PECOGAGE.DBF in PECOSITE.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.)
DUD	205	212	8	Date of Update

Water Gage File: PECOGAGE.DBF in PECOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
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	298	48	Station Name
SHLAT	299	304	6	Sitehelp Latitude (DDMMSS)
SHLNG	305	311	7	Sitehelp Longitude (DDDMMSS)
SHMILES	312	318	7.2	Sitehelp Miles
SHNME	319	328	10	Sitehelp Source Name
SHPCT	329	335	7.2	Sitehelp Percent of Reach Miles
SITE	336	337	2	Site Location
SRC	338	340	3	Sitehelp Source Code
STCTY	341	345	5	State/County Numeric Code
SVTEN	346	352	7.2	USGS 7-10 Year Flow
BEG_WYR	353	356	4	Beginning Water Year
END_WYR	357	359	4	Ending Water Year
ELEV	361	368	8.2	Elevation (Feet)
WELL_DP	369	376	8.2	Well Depth (Feet)

The following table provides the DBASE III+ database field structures for the Water Impoundment database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Impoundment File: PECODAMS.DBF in PECOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
SITEID	1	7	7	Site Identifier
SOURCE	8	10	3	Source of Data
ST1	11	12	2	Primary State Code Abbreviation
STCTY1	13	17	5	State/County Numeric Code
NAME	18	47	30	Official Name of Dam
LATITUDE	48	53	6	Facility Latitude (DDMMSS)
LONGITUDE	54	60	7	Facility Longitude (DDDMMSS)
LAT	61	70	10.6	Facility Latitude (decimal degrees, (-) below equator)
LON	71	81	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
INME	82	111	30	Impoundment Name
RNME	112	139	28	River, Stream, or Tributary Name on Which Dam Built
CUSEGMI	140	149	10	Catalog Unit, Segment, and Segment Length
REGN	150	151	2	Water Resources Council Region Code
RGBSN	152	155	4	Water Resources Region/Basin Code
CU	156	163	8	Catalog Unit
SEG	164	166	3	Reach Segment of Dam
SEGL	167	171	5.2	Reach Segment Length
PURP	172	172	1	Major Purpose of Dam
				I=Irrigation
				H=Hydroelectric
				N=Navigation
				S=Water Supply
				R=Recreation
				P=Stock/Farm Pond
				D=Debris Control
				F=Flood Control

Water Impoundment File: PECODAMS.DBF in PECOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				O=Other
FRF3	173	189	17	RF3 Reach Number Location
FRF3MI	190	194	5	Mile Point on RF3 Reach
PURPKEY	195	195	1	Purpose Key
PUR2	196	196	1	Purpose of Dam 2 (See Above)
PUR3	197	197	1	Purpose of Dam 3 (See Above)
PUR4	198	198	1	Purpose of Dam 4 (See Above)
PUR5	199	199	1	Purpose of Dam 5 (See Above)
PUR6	200	200	1	Purpose of Dam 6 (See Above)
PUR7	201	201	1	Purpose of Dam 7 (See Above)
PUR8	202	202	1	Purpose of Dam 8 (See Above)
PUR9	203	203	1	Purpose of Dam 9 (See Above)
PUR10	204	204	1	Purpose of Dam 10 (See Above)
TYPDAM	205	206	2	Major Dam Portion Type
				RE=Earth
				VA=Vaulted Arch
				CD=Buttress
				PG=Gravity
				ER=Rockfill
				MV=Multi-Arch
				OT=Other
YRCMP	207	210	4	Year Dam Completed
SHGT	211	214	4	Structural Height (Feet)
HHGT	215	218	4	Hydraulic Height (Feet)
VNORM	219	236	8	Normal Storage of Impoundment (Acre-Feet)
VMAX	227	234	8	Maximum Storage of Impoundment (Acre-Feet)
LCRST	235	239	5	Crest Length of Dam (Feet)
TSPL	240	240	1	Spillway Type
				C=Controlled

Water Impoundment File: PECODAMS.DBF in PECOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
				U=Uncontrolled
				N=None
				X=Unknown
WSPL	241	244	4	Dam Spillway Width (Feet)
QMAX	245	251	7	Maximum Spillway Discharge (CFS)
PINS	252	258	7.2	Quantity of Installed Power (Megawatts)
PPRO	259	265	7.2	Quantity of Proposed Power (Megawatts)
LOCK	266	266	1	Number of Navigational Locks
OWNR	267	290	24	Name of Impoundment Owner
PFOWN	291	291	1	Ownership Code
				N=Non-Federal
				G=Federal Government Agency
				C=Corps of Engineers
				X=Unknown
FEDR	292	292	1	Federally Regulated (Y=Yes, N=No, X=Unknown)
FLND	293	293	1	Private Dam on Federal Land (Y=Yes, N=No, X=Unknown)
SCSA	294	294	1	Type of Soil Conservation Service Assistance
				N=No Assistance
				T=Technical Assistance
				F=Financial Assistance
				B=Both Technical and Financial Assistance
				X=Unknown
DHAZ	295	295	1	Degree of Downstream Hazard
				1=High (More than a Few Lives Lost; Excessive Economic Loss)
				2=Significant (A Few Lives Lost; Appreciable Economic Loss)
				3=Low (No Lives Expected Lost; Minimal Economic Loss)
DCITY	296	319	24	Nearest Downstream City

Water Impoundment File: PECODAMS.DBF in PECOSITE.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
POP	320	326	7	Population of Downstream City
DMILE	327	331	5.2	Distance of Downstream City From Dam (Miles)
RET	332	342	11.2	Retention Coefficient (Dimensionless)
MIX	343	353	11.2	Mixing Coefficient (Dimensionless)
SAREA	354	361	8	Surface Area of Impoundment (Acres)
SAFLG	362	362	1	Surface Area Flag (C=Calc., M=Measured, O=Other)
ILNTH	363	367	5	Length of Impoundment (Feet)
ILFLG	368	368	1	Impoundment Length Flag (C=Calc., M=Measured, O=Other)
UPKEY	369	374	6	Update Key (YYMMDD)

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 PECORF3.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 PECORF3.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
LL1KEY1	358	367	10	Starting DLG LL Key1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in PECORF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
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
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1

RF3 Structure File: 12345678.RF3 and 12345678.DBF in PECORF3.ZIP				
Field Name	**Start**	**Stop**	**Length**	**Field Description**
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 PECORF3.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 PECORF3.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 190 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
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
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
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
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	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

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	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 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)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
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)
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
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
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
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
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
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
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)
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)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
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
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
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
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
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
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
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
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
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.
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
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
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
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
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

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
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
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[t]	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50[t]	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250[s]			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0[u]	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0[u]	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, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; 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	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE,IN WATER&WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250[s]			CHLORIDE,TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250[s]			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250[s]			SULFATE, TOTAL (AS SO4)	MG/L	General Inorganic
14808798	00946		250[s]			SULFATE, DISSOLVED (AS SO4)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/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	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
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*	4.0			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*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			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	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18+	1300a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18+	1300a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18+	1300a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82+	15a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82+	15a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82+	15a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400+	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400+	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400[+]	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400[+]	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1[+]	100[s]	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1[+]	100[s]	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1[+]	100[s]	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1[+]	100[s]	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018[+]	1.3[a]	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120[+]	5000[s]	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120[+]	5000[s]	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120[+]	5000[s]	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120[+]	5000[s]	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88[p]	6.0	1500[p]		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88[p]	6.0	1500[p]		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88[p]	6.0	1500[p]		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[+]	15[a]	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[+]	1300[a]	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400[*]	2.0	2130[*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400[*]	2.0	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]	6.0	1500[p]		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120[+]	5.0[s]	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041[+]	0.1[s]	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018[+]	1.3[a]	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	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[*]	0.004			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[+]	0.1	10.3[*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082[+]	0.015[a]	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	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4*	0.002	2.13*		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1+	100s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20c			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20c			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20c			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020c			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20c			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0n		1000b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0n		1000b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0n		1000b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200^	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	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
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100[t]			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100[t]			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100[t]			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100[t]			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[t]			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100[t]			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100[t]			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[t]			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100[t]			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100[t]			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100[t]			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100[t]			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100[t]			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900[*]	100[t]			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900[*]	100[t]			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100[t]			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100[t]			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270[*]				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270[*]				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270[*]				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0[p]	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0[p]	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40[c]			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40[c]			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40[c]			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30p		7.7p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30p		7.7p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30p		7.7p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	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
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			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		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0[p]	1.0			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		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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
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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	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
56382	39540	0.065				PARATHION 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	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]	1.0			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			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			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
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[+]	1300[a]	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82[+]	15[a]	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1[+]	100[s]	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120[+]	5000[s]	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	250[s]			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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
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[+]	15[a]	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120[+]	5000[s]	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18[+]	1300[a]	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
106489	77296			29700[*]		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100[p]		240[p]		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440[*]		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250s			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20c			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE,FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			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+	1300a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal
7440020	81752	1400+	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440666	81754	120[+]	5000[s]	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
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[+]	5000[s]	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82[+]	15[a]	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[+]	1300[a]	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18[+]	1300[a]	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120[+]	5000[s]	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078				50[l]	TURBIDITY, FIELD	NTU	Physical
	82079				50[l]	TURBIDITY, LAB	NTU	Physical
88857	82226		7.0			2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide
16887006	82295	860000	250000[s]			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

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			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).

[=]Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤6.5, ≥8.5.

[!]Arizona state standard.

[a]EPA action level, 40 CFR 141.80.

[b]California and Florida state bathing water standards.

[c]A Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

[n]Total coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

[p]Proposed Criterion.

[r]Average annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

[s]EPA National Secondary Drinking Water Regulation, 40 CFR 143.

[t]The maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

[u]Coldwater criterion one day minimum; warmwater criterion seven day mean minimum.

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
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	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

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
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

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM,TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYLVINYL ETHER,WATER,WHL,RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRACENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRACENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMIUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMIUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMIUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

Literature Cited

Code of Federal Regulations. 1994. Protection of Environment. 40 CFR Parts 100 to 149. Revised as of July 1, 1994. Published by the Office of the Federal Register, National Archives and Records Administration. U.S. Government Printing Office, Washington, D.C. 20402.

Gilbert, R. O. 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold Co., New York, NY. 320p.

GKY and Associates. 1990. Dam Inventory Database and Retrieval Software: Final Report. U.S. Environmental Protection Agency, Water Quality Analysis Branch. Under Contract #68-03-3339.

Kunkle, S. and J. Wilson. 1984. Specific Conductance and pH Measurements in Surface Waters: An Introduction for Park Natural Resource Specialists. Water Resources Field Support Laboratory Report No. 84-3. National Park Service, Water Resources Division, Fort Collins, Colorado 80525. 51p.

National Park Service. 1993. Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service. National Park Service, Washington Office, Servicewide Inventory and Monitoring Program, Washington, D.C. Unpublished. 17p.

U.S. Environmental Protection Agency. 1995. Quality Criteria for Water 1995. Final Draft. Office of Water Regulations and Standards, Washington, D.C.

U.S. Environmental Protection Agency. 1989. STORET User Handbook. U.S. Environmental Proteciton Agency, Office of Water, Washington, D.C. 20460.

U.S. Environmental Protection Agency. 1992. Office of Water Environmental and Program Information Systems Compendium. U.S. Environmental Protection Agency, Office of Water, Washington, D.C. 20460. 152p.

U.S. Environmental Protection Agency. 1993. Technical Description of the Reach File. U.S. Environmental Protection Agency, Office of Water, Washington, D.C. 20460. 23p.

U.S. Geological Survey. 1982. A U.S. Geological Survey Data Standard: Codes for the Identification of Hydrologic Units in the United States and Caribbean Outlying Areas. Geological Survey Circular 878-A. U.S. Geological Survey, Water Resources Division, Reston, VA. 22092. 115p.

U.S. Geological Survey 1992. Hydro-Climatic Data Network: A U.S. Geological Survey Streamflow Data Set for the United States for the Study of Climate Variations 1874-1988. Open File Report 92-129/USGS Water Supply Paper No. 2406. U.S. Geological Survey, Water Resources Division, Reston, VA. 22092. 193p.

Ward, R. C., J. C. Loftis, and G. B. McBride. 1990. Design of Water Quality Monitoring Systems. Van Nostrand Reinhold Co., New York, NY. 231p.

Appendix I

Selected General Water Quality References

American Public Health Association. 1989. Standard Methods for the Examination of Water and Wastewater (17th ed.). Washington, D.C. 1476p.

Drever, J. I. 1982. The Geochemistry of Natural Waters. Prentice-Hall, Inc., Englewood Cliffs, NJ. 388p.

Dunne, T. and L. B. Leopold. 1978. Water in Environmental Planning. W.H. Freeman and Company, San Francisco, CA. 818p.

Everett, L. G. 1980. Groundwater Monitoring. General Electric Co., Schenectady, NY. 440p.

Fetter, C. W. 1988. Applied Hydrogeology (2nd ed.). MacMillan Publishing Co., New York, NY. 592p.

Flora, M. D., T. E. Ricketts, J. Wilson, and S. Kunkle. 1984. Water Quality Criteria: An Overview for Park Natural Resource Specialists. WRFSL Report No. 84-4. National Park Service, Water Resources Field Support Laboratory, Fort Collins, CO. 46p.

Gilbert, R. O. 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold Co., New York, NY. 320p.

Hem, J. D. 1985. Study and Interpretation of the Chemical Characteristics of Natural Water (3rd ed.). U.S. Geological Survey Water-Supply Paper 2254. U.S. Government Printing Office, Washington, D.C. 263p.

Kunkle, S., W. S. Johnson, and M. Flora. 1987. Monitoring Stream Water Quality for Land-Use Impacts: A Training Manual for Natural Resource Management Specialists. Water Resources Division, National Park Service, Fort Collins, CO. 102p.

Kunkle, S. and J. Wilson. 1984. Specific Conductance and pH Measurements in Surface Waters: An Introduction for Park Natural Resource Specialists. Water Resources Field Support Laboratory Report No. 84-3. National Park Service, Water Resources Division, Fort Collins, Colorado 80525. 51p.

Merritt, R. W., and K. W. Cummins (eds.). 1984. An Introduction to the Aquatic Insects of North America (2nd ed.). Kendall/Hunt Publishing Co., Dubuque, IA. 44p.

Morel, F. M. 1983. Principles of Aquatic Chemistry. John Wiley & Sons, Inc., New York, NY. 446p.

Nielsen, D. M. (ed.). 1991. Practical Handbook of Ground-Water Monitoring. Lewis Publishers, Inc. Chelsea, MI. 717p.

Ponce, S. L. 1980a. Statistical Methods Commonly Used in Water Quality Data Analysis. WSDG Technical Paper WSDG-TP-00001. U.S. Department of Agriculture, Forest Service, Watershed Systems Development Group, Fort Collins, CO. 136p.

Ponce, S. L. 1980b. Water Quality Monitoring Programs. WSDG Technical Paper WSDG-TP-00002. U.S. Department of Agriculture, Forest Service, Watershed Systems Development Group, Fort Collins, CO. 68p.

Rand, G. M. and S. R. Petrocelli (eds.). 1985. Fundamentals of Aquatic Toxicology. Hemisphere Publishing Co., New York, NY. 666p.

Rantz, S. E. and others. 1982. Measurement and Computation of Streamflow: Volume 1. Measurement of Stage and Discharge. Volume 2. Computation of Discharge. U.S. Department of the Interior, Geological Survey Water Supply Paper 2175. 631p.

Stednick, J.D. and D. M. Gilbert. 1998. Water Quality Inventory Protocol: Riverine Environments. National Park Service, Water Resources Division Technical Report NPS/NRWRD/NRTR-98/177. Fort Collins, CO. 103p.

Stednick, J. D. 1991. Wildland Water Quality Sampling and Analysis. Academic Press, Inc., San Diego, CA. 217p.

United Nations Educational, Scientific and Cultural Organization (UNESCO). 1978. Water Quality Surveys: A Guide for the Collection and Interpretation of Water Quality Data. IHD-WHO Working Group on the Quality of Water, Paris, France. 350p.

U.S. Department of the Interior. 1977. National Handbook of Recommended Methods for Water-Data Acquisition. U.S. Geological Survey, Office of Water-Data Coordination, Reston, VA. 990p.

U.S. Environmental Protection Agency. 1978. Microbiological Methods for Monitoring the Environment: Water and Wastes. R. H. Border, J. A. Winter, and P. W. Scarpino. EPA-600/8-78-017. Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 338p.

U.S. Environmental Protection Agency. 1979b. Methods for Chemical Analysis of Water and Wastes. EPA-600/4-79-020. (Revised March 1983). Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 460p.

U.S. Environmental Protection Agency. 1983. Water Quality Standards Handbook. Office of Water Regulations and Standards, Washington, D.C. 218p.

U.S. Environmental Protection Agency. 1995. Quality Criteria for Water 1995. Final Draft. Office of Water Regulations and Standards, Washington, D.C.

U.S. Environmental Protection Agency. 1989. Rapid Bioassessment Protocols for Use in Streams and Rivers: Benthic Macroinvertebrates and Fish. J. L. Plafkin, M. T. Barbour, K. D. Porter, S. K. Gross, and R. M. Hughes. EPA-444/4-89-001. Office of Water Regulations and Standards, Assessment and Watershed Protection Division, Washington, D.C. 162p.

U.S. Environmental Protection Agency. 1990. Macroinvertebrate Field and Laboratory Methods for Evaluating the Biological Integrity of Surface Waters. D. J. Klemm, P. A. Lewis, F. Fulk, and J. M. Lazorchak. EPA-600/4-90-030. Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 256p.

U.S. Environmental Protection Agency. 1991a. Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms (4th ed.). C. I. Weber, ed. EPA-600/4-90-027. Office of Research and Development, Environmental Monitoring Systems Laboratory, Cincinnati, OH. 293p.

U.S. Environmental Protection Agency. 1991b. Monitoring Guidelines to Evaluate Effects of Forestry Activities on Streams in the Pacific Northwest and Alaska. L. H. MacDonald, A. W.Smart, and R. C. Wissmar. EPA-910/9-91-001. Region 10, Seattle, WA. 162p.

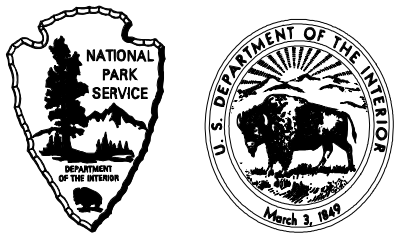
U.S. Environmental Protection Agency. 1993. Guide to Federal Water Quality Programs and Information. T. Stuart and N. P. Ross. EPA-230-B-93-001. Office of Strategic Planning and Environmental Data, Environmental Statistics and Information Division. Washington, D.C. 194p.

Verschueren, K. 1983. Handbook of Environmental Data on Organic Chemicals (2nd ed.). Van Nostrand Reinhold Co., New York, NY. 1310p.

Viessman W. and M. J. Hammer. 1985. Water Supply and Pollution Control (4th ed.). Harper and Row, Publishers, Inc. New York, NY. 797p.

Ward, R. C., J. C. Loftis, and G. B. McBride. 1990. Design of Water Quality Monitoring Systems. Van Nostrand Reinhold Co., New York, NY. 231p.

Wetzel, R. G. 1983. Limnology (2nd ed.). Sanders College Publishing, Philadelphia, PA. 767p.



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