SOUTH FLORIDA RESEARCH CENTER

Report T-531
Annual Hydrology Review: Everglades National Park 1977

Everglades National Park, South Florida Research Center, P.O. Box 279, Homestead, Florida 33030

ANNUAL HYDROLOGY REVIEW: EVERGLADES NATIONAL PARK 1977

Report T-531

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PREFACE

This is the second in a series of continuing annual hydrology reviews which are designed to provide insight into the dynamic hydrologic parameters of Everglades National Park. Each year a great effort is made to obtain these hydrologic data and this review is an attempt to put these data in perspective throughout a calendar year. The calendar year was chosen so that this review could be correlated with the Dade County Annual Hydrologic Conditions Report published annually by the U.S. Geological Survey and The Annual Hydrology Review of the Big Cypress National Preserve, published annually by the National Park Service.

This review serves as a ready reference describing the hydrologic conditions which prevailed in Everglades National Park during 1977. It is the intent of this review to provide an easily retrievable source of ENP hydrology data thus providing greater insight into hydrologic conditions within the Park.

OUTLINE

ANNUAL HYDROLOGY REVIEW: EVERGLADES NATIONAL PARK, 1977

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I. INTRODUCTION

The dynamic equilibrium of the hydrologic parameters and the response of the water budget directly affects all ecological aspects of Everglades National Park. An intensive hydrologic program of water management is mandatory if the quality of the Everglades is to be preserved. The initial thrust for such a program depends on a complete understanding of the hydrologic balance in the Park.

Throughout the years both the National Park Service and the U.S. Geological Survey have documented hydrologic inputs for South Florida and the Everglades. Some monitoring stations have periods of record exceeding 30 years of tabulation. The program has developed to such an extent that presently there are over 100 hydrologic monitoring stations (continuous and discontinuous) throughout Everglades National Park. These records, then, are the key to the past which enable researchers to assess present hydrologic conditions and formulate conclusions regarding the nature of the hydrologic balance for a given year.

The purpose of the 1977 Annual Hydrology Review is to summarize and explain hydrologic conditions experienced in Everglades National Park during the calendar year. The hydrologic parameters examined for 1977 include: precipitation, temperature, water levels, water deliveries to Everglades National Park, and discharge. The data are summarized both graphically and in tabular formats to provide greater insight into hydrologic conditions during 1977.

II. CLIMATE

Everglades National Park is situated at the southern terminus for the State of Florida. The Park is a sub-tropical wilderness located between the geographic coordinates N 24° 50' 05" and N 25° 50' 20" latitude and W 80° 20' 20" and W 81° 30' 10" longitude. The proximity of the Park to the tropics, combined with a marine influence, has produced a climatic regime with mild, dry winters and warm, wet summers.

According to the Koppen climatic classification scheme, Everglades National Park is situated in the Tropical Rainy (Aw) group. This classification characterizes a tropical wet/dry climate marked by dry winters and wet summers.

The climate of the Park is influenced by the Atlantic Ocean and the Gulf of Mexico. These oceanic waters have heat retentive capacities which liberate heat during winter months, thereby maintaining mild ambient temperatures. During the summer season the marine influence helps to maintain a uniform diurnal temperature.

Three separate weather systems throughout the year have been associated with precipitation patterns in South Florida (Thomas, 1970). The southeasterly trades influence the climate during the months of April, May, June, September, October and November. Coinciding with the southeasterly air flow, rainfall tends to be the greatest during some of these months. Conversely, rainfall greatly diminished with

the arrival of the northerlies in January and February. Finally, intense local thunderstorms are generated in July and August when hot surface temperatures encounter the cooler air aloft.

The climatological monitoring program at Everglades National Park is in conjunction with the weather programs at the National Climatic Center, National Oceanic and Atmospheric Administration and the Environmental Data Service. The National Park Service has been a cooperating agency for over 28 years at Everglades National Park reporting climatic data to the Weather Service. There are four weather stations located in the Park (Fig. 1). Each station has been recording climatological data (temperature and precipitation) for numerous years. The longest term station in the Park is the Everglades City Ranger Station, reporting climatic data for 50 years, followed by the Tamiami Ranger Station (35 years), Royal Palm Ranger Station (28 years) and Flamingo Ranger Station (25 years) (Table 1).

1977 CLIMATIC SYNOPSIS

Climatological perturbations throughout 1977 marked this year as one of extremes. During mid-January a severe cold front advanced into southern Florida. Temperatures rapidly descended and sub-freezing temperatures were recorded for two nights at Royal Palm, Flamingo and Everglades City (Tamiami experienced only one sub-freezing night). In addition, extremes in precipitation patterns were also monitored throughout the year. In retrospect, October was one of the driest on record. The Tamiami Ranger Station established a new October record low with only 0.14 inches of precipitation monitored. Conversely, December was one of the wettest months on record with the Royal Palm Ranger Station setting a new rainfall total for the month. Royal Palm monitored 3.58 inches of precipitation throughout December while Tamiami and Everglades City reported near record rainfall amounts.

TEMPERATURES

Temperature distribution throughout Everglades National Park was very close to normal during 1977. Except for the months of January and March, temperature variance between the mean monthly temperature and the actual recorded temperature was very small. During most of the year, the temperature deviation from the mean was less than 2°F (1.1°C).

The most significant temperature anomaly during 1977 was a severe cold front which invaded south Florida on January 20. Sub-freezing temperatures throughout Everglades National Park were associated with the arrival of the cold front. The temperatures dropped below 32°F (0°C) and Miami Beach reported snowfall for the first time in recorded history (Figure 2).

The coldest temperature recorded in Everglades National Park associated with this cold front was 24°F (-4.4°C) at the Royal Palm Ranger Station. All other park weather stations as well as the Homestead Experiment Station reported temperatures which dropped below 30°F (-1.11°C) on the night of January 20. Flamingo

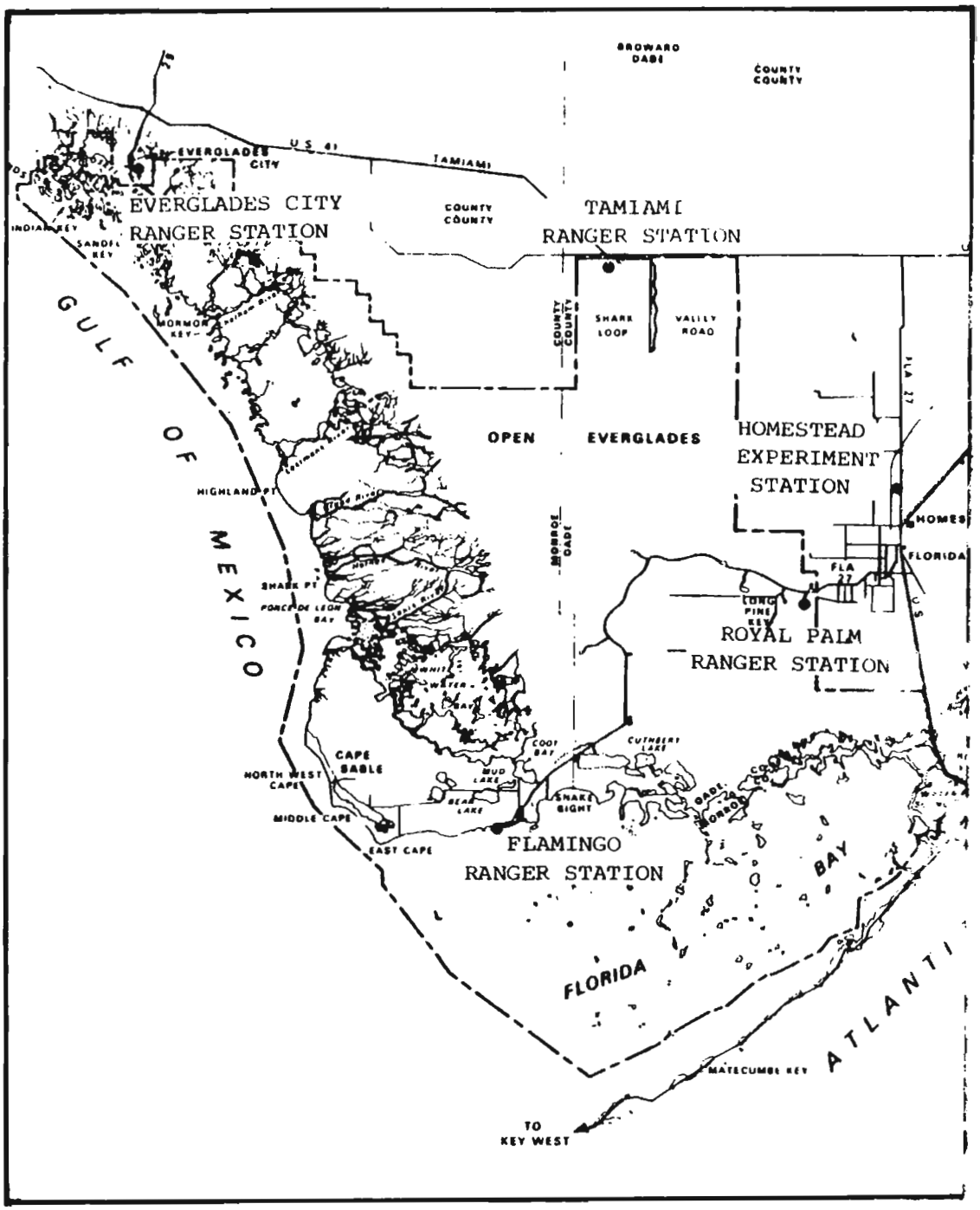


Figure 1: Map of Everglades National Park and South Florida Weather Stations

Table 1. Weather Station Index for Everglades National Park

CLIMATE

Station Index

Station	County	MSL Elevation	Latitude	Longitude	Period of Record (yrs Temp.	Precip.
Royal Palm	Dade	7	N°25'23"	W°80'36"	29	29
Flamingo	Monroe	3	N°25'09"	W°80'55"	26	26
Everglades	Collier	5	N°25'51"	W°81'23"	51	51
Tamiami	Dade	15	N°25'45"	W°80'50"	36	36
Homestead Exp. Sta.	Dade	11	N°25'30'	W°80'30"	67	67

1977 January Freeze in South Florida

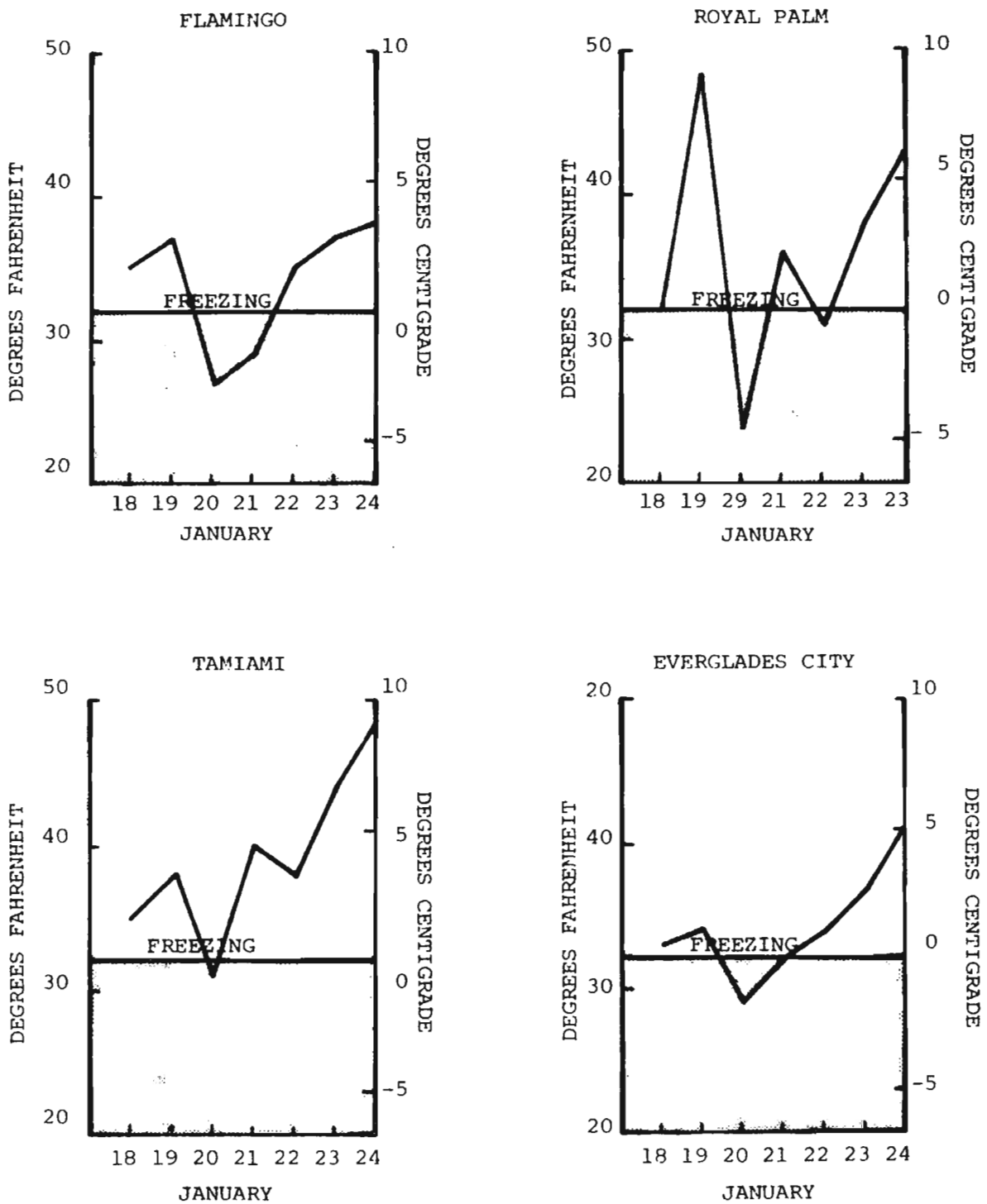


Figure 2: 1977 January freeze at Everglades National Park, Florida

and Everglades City had a repeat frost on January 21 and Royal Palm experienced freezing temperatures on January 22. These sub-freezing temperatures had an adverse impact on the vegetation and marine resources of the park. Local frost kills affected some cocoplum, mangrove, poisonwood and exotic species. Fish kills were reported in Florida Bay and damage to coral occurred in the Dry Tortugas.

Temperatures throughout the month of January continued to be cooler than normal (Figure 3). The largest variance during the month occurred at Everglades City where temperatures departed from the mean by -8.0°F (-4.4°C) (Table 2). The other weather stations experienced similar conditions with Tamiami deviating -6.7°F (-3.7°C) and the Homestead Experiment Station reporting a variance from the mean of -5.9°F (-3.3°C) (Tables 3, 4, 5, and 6). Even though the statistics for the departure from normal are unavailable for Royal Palm and Flamingo, similar temperature trends were indicated.

The only other month during 1977 where temperatures reflected a marked difference from the norm occurred in March. Both the Homestead Experiment Station and Tamiami Ranger Station experienced temperatures slightly above normal (+4.2°F or +2.3°C and +1.5°F or +0.83°C, respectively). The other stations displayed a net increase in temperatures similar to the aforementioned stations. However, the actual variance from the mean can not be compared because data is unavailable at this time.

During all of the remaining months of 1977 temperatures approximated the norm throughout Everglades National Park (Figure 3). The monthly temperature variance between actually recorded temperature versus the mean temperature was minimal.

RAINFALL

Precipitation serves as a significant source of fresh water supply to the Everglades ecosystem. Yearly variations in the amounts and distribution of rainfall supplied to this region has a direct impact upon the ecology of the park. Rainfall inputs into Everglades National Park are monitored daily by park personnel at four park weather stations (Figure 1). In addition, over 100 rain gauges (tipping bucket and cones) measure precipitation amounts in the interior of the park.

The spatial distribution of rainfall throughout Everglades National Park during 1977 indicated the nature of localized thunderstorms throughout south Florida. Both Royal Palm and Everglades City reported slightly above normal precipitation amounts (58.07 inches or 147.50 centimeters and 53.01 inches or 134.65 centimeters, respectively). The other stations, Tamiami and Flamingo, both reported a decrease of nearly 20 percent from the normally expected rainfall during 1977 (44.16 inches or 112.17 centimeters and 41.92 inches or 106.48 centimeters). Because of this deficiency at Tamiami and Flamingo, the park experienced only 93.6 percent of the normally expected fresh water contribution from rainfall during 1977 (Table 7). The most significant decrease in precipitation was generated by an extremely dry October. The park received only 24 percent of the expected

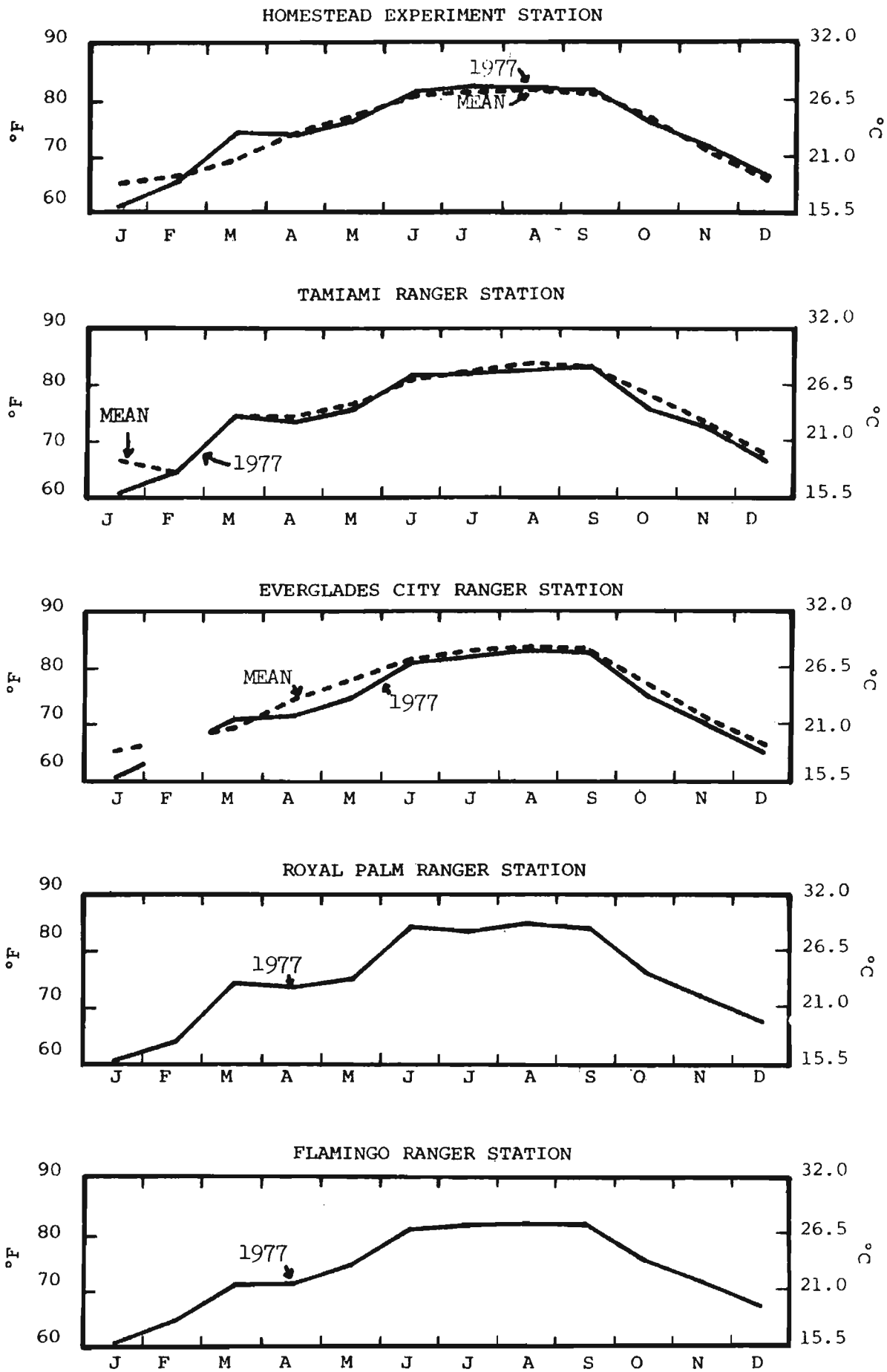


Figure 3: 1977 Everglades National Park and vicinity temperatures

Table 2: Everglades City 1977 Monthly Temperatures

Everglades City 1977
Monthly Temperatures (°F)

Month	Avg. Max.	Avg. Min.	Avg.	Departure fm mean	Highest Temp.	Date	Lowest Temp.	Date
Jan.	69.5	45.7	57.6	-8.0	81	9	29	20
Feb.	-	-	-	-	-	-	-	-
Mar.	80.6(m)	62.2(m)	71.4(m)	1.5	86	22+	46	1
Apr.	82.8(m)	61.4(m)	72.1(m)	-2.0	88	22+	53	7
May	84.3	67.1	75.7	-1.8	90	23	59	14+
Jun.	87.0	73.5	80.3	-0.5	94	23	70	15
Jul.	89.5	73.1	81.3	-1.0	94	29+	67	24
Aug.	89.5	74.7	82.1	-0.8	95	26	71	31+
Sept.	88.6	74.2	81.4	-0.6	95	13	72	26+
Oct.	84.2	64.7	74.5	-3.4	92	1	52	19+
Nov.	80.8	60.4	70.6	-1.1	86	10+	44	27+
Dec.	75.2	54.6	64.9	-1.9	83	5	37	28+

Table 3: Royal Palm 1977 Monthly Temperatures

Royal Palm 1977
Monthly Temperatures (°F)

Month	Avg. Max.	Avg. Min.	Avg.	Departure fm mean	Highest Temp.	Date	Lowest Temp.	Date
Jan.	71.3	49.0	60.2	-	82	28	24	20
Feb.	74.1	53.0	63.6	-	84	4	35	17+
Mar.	84.3	64.9	74.6	-	94	22	46	2
Apr.	82.4	64.4	73.4	-	88	5	53	27+
May	84.5	66.7	75.6	-	91	24	62	1+
Jun.	91.2	76.6	83.9	-	96	28	72	21
Jul.	89.9	74.1	82.0					
Aug.	90.6	77.3	84.0	-	94+	20	71	13
Sept.	90.1	73.7	81.9	-	95	9	71+	1
Oct.	87.9	65.3	76.6	-	94	3+	53	14
Nov.	84.25	60.2	72.2	-	89+	8	44	14
Dec.	78.9	56.9	67.8	-	88	9	35	29

Table 4: Flamingo 1977 Monthly Temperatures

Flamingo 1977
Monthly Temperatures (^{o}F)

Month	Avg. Max.	Avg. Min.	Avg.	Departure fm mean	Highest Temp.	Date	Lowest Temp.	Date
Jan.	71.9(m)	46.1(m)	56.0(m)	-	79	2	27	20
Feb.	75.0(m)	52.9(m)	64.0(m)	-	81	26	36	18
Mar.	80.5(m)	63.9(m)	72.2(m)	-	85	24+	50	2
Apr.	81.7(m)	63.7(m)	72.7(m)	-	85	10	44	28
May	83.5(m)	65.9(m)	74.7(m)	-	-	-	57	15
Jun.	87.7(m)	72.9(m)	80.3(m)	-	90	30+	58	2
Jul.	89.6	73.3	81.5	-	92	31+	70	25+
Aug.	89.6(m)	73.7(m)	81.7(m)	-	93	27	69	12
Sept.	88.1	74.9	81.5	-	94	12	72	30+
Oct.	84.9	64.8	74.9	-	91	4	51	15
Nov.	81.8	62.5	72.2	-	86	1	46	27
Dec.	77.1	56.9(m)	67.0(m)	-	84	16+	37	28+

Table 5: Tamiami 1977 Monthly Temperatures

Tamiami Ranger Station 1977
Monthly Temperatures (°F)

Month	Avg. Max.	Avg. Min.	Avg.	Departure fm mean	Highest Temp.	Date	Lowest Temp.	Date
Jan.	71.0	49.9(m)	60.5(m)	-6.7	82	28+	31	20
Feb.	76.0(m)	54.1(m)	64.8(m)	-	85(m)	27	39	17
Mar.	85.7(m)	63.1(m)	73.7(m)	-	90	21+	50	1
Apr.	84.4(m)	60.4(m)	72.4(m)	-1.3	90	2	50	26
May	87.0(m)	64.3(m)	75.7(m)	-1.2	98	26	57	15
Jun.	90.1(m)	72.7	81.4(m)	0.8	94	28+	68	21
Jul.	90.7	73.1	81.9	-0.5	93	30+	70	24
Aug.	90.4(m)	73.7(m)	82.1(m)	-1.1	93	22+	69	31+
Sept.	91.7(m)	74.0(m)	82.8(m)	-	93	11+	70	2+
Oct.	84.9(m)	66.6(m)	75.8(m)	-2.6	90	12+	55	14
Nov.	82.3(m)	62.6(m)	72.5(m)	-0.3	88	4	48	27
Dec.	77.9(m)	56.8(m)	67.4(m)	-1.0	87	2	-	-

Table 6: Homestead Experiment Station Monthly Temperatures

Homestead Experiment Station 1977
Monthly Temperatures (°F)

Month	Avg. Max.	Avg. Min.	Avg.	Departure fm mean	Highest Temp.	Date	Lowest Temp.	Date
Jan.	71.5	47.2	59.4	-5.9	84	28	27	20
Feb.	75.1	53.9	64.5	-1.6	86	24	39	21
Mar.	83.4	63.7	73.6	4.2	92	22	50	2
Apr.	82.8	63.2	73.0	-0.1	91	5	52	29
May	84.6	66.2	75.4	-0.5	91	29+	58	15
Jun.	89.8	71.5	80.7	1.5	94	13	68	26
Jul.	90.1	72.5	81.3	0.8	93	14	69	8+
Aug.	89.4	73.1	81.3	0.3	94	21	70	22+
Sept.	89.2	72.3	80.8	0.6	93	11+	68	30
Oct.	84.6	64.1	74.4	-1.9	91	3	53	17
Nov.	81.7	61.9	71.8	1.4	88	17+	46	27
Dec.	77.2	56.1	66.7	0.3	87	15	37	23

Table 7. Four Station Rainfall Data (inches), Everglades National Park

	1976 Year		Period of Record	
Month	4 Station Total Accumulated	4 Station Average	4 Station Accumulated Means	4 Station Mean
Jan.	7.83	1.96	6.14	1.54
Feb.	5.61	1.40	6.74	1.69
Mar.	1.04	0.26	6.55	1.64
Apr.	5.60	1.40	8.82	2.21
May	27.26	6.82	22.99	5.75
Jun.	31.18	7.80	38.04	9.51
Jul.	28.79	7.20	28.55	7.14
Aug.	26.42	6.61	28.72	7.18
Sept.	41.90	10.48	35.71	8.93
Oct.	5.05	1.26	21.04	5.26
Nov.	9.48	2.37	6.54	1.64
Dec.	11.11	2.78	5.19	1.30
TOTAL	201.27	50.34	215.03	53.79

October rainfall generating a deficit by an accumulated total of -15.99 inches (-40.61 cm) for the month. In addition, the months of February, March, April, June, and August were also deficit producing an accumulated overall park deficiency of -13.76 inches (-34.95 cm) of rainfall for the year (Figure 4).

Of the four weather stations located in Everglades National Park, the Royal Palm Ranger Station recorded precipitation totals which most nearly approximated the norm. By year's end, Royal Palm received 101 percent of its expected precipitation which amounted to a surplus of +0.57 inches (+1.45 cm) of rainfall for the year (Table 8). The total rainfall reported at this station was 58.07 inches (147.5 cm) and the annual mean is 57.48 inches (146.0 cm) of rainfall.

Even though the total accumulated rainfall for the year at Royal Palm was near normal, the precipitation pattern for this station was not. During seven months of 1977, Royal Palm reported below normal precipitation patterns. Conversely, excessive rainfall events occurred during the other five months enabling the station to approximate and barely exceed the normally expected amount (Figure 5). On a percentage basis, the months of February, March, April, and October were very dry. April deviated the greatest from the norm reporting only 27 percent of the expected total rainfall. The following month of May enabled Royal Palm to rectify the deficit when intense rainfall events occurred. The largest thunderstorm during May at Royal Palm generated 4.77 inches (12.12 cm) in a 24 hour period of time. By the end of May, Royal Palm had experienced 12.81 inches (32.16 cm) of precipitation which was far in excess of the mean precipitation of 6.69 inches (17.0 cm) for the month.

Dry conditions again prevailed at Royal Palm during the months of June, July and August. The accumulated precipitation deficit for these three months accounted for a net decrease from the norm by a total of 6.37 inches (16.2 cm) of rainfall during the early part of the wet season. Even though Royal Palm had experienced six months of below normal precipitation patterns by the end of August, the station continued to report an above average accumulated rainfall total due to the intense rains of May.

During the latter months of 1977, Royal Palm experienced fairly wet conditions with the exception of October. Throughout September, a frequent rainfall pattern combined with periodic intense thunderstorms enabled the station to experience 134 percent of the normally expected rainfall. The total accumulated precipitation amounted to 11.68 inches (29.6 cm) for September at Royal Palm. However, the following month, October, was one of the driest in history for Everglades National Park. Royal Palm received slightly more than half of the anticipated normal precipitation reporting only 3.53 inches (8.97 cm) compared to the mean of 6.26 inches (15.9 cm). This dry period produced a net accumulated rainfall deficit of nearly 4 inches (10.2 cm) for the months of January through October at Royal Palm.

For the remainder of the calendar year (November and December) Royal Palm reported monthly precipitation totals in excess of the normally expected amount.

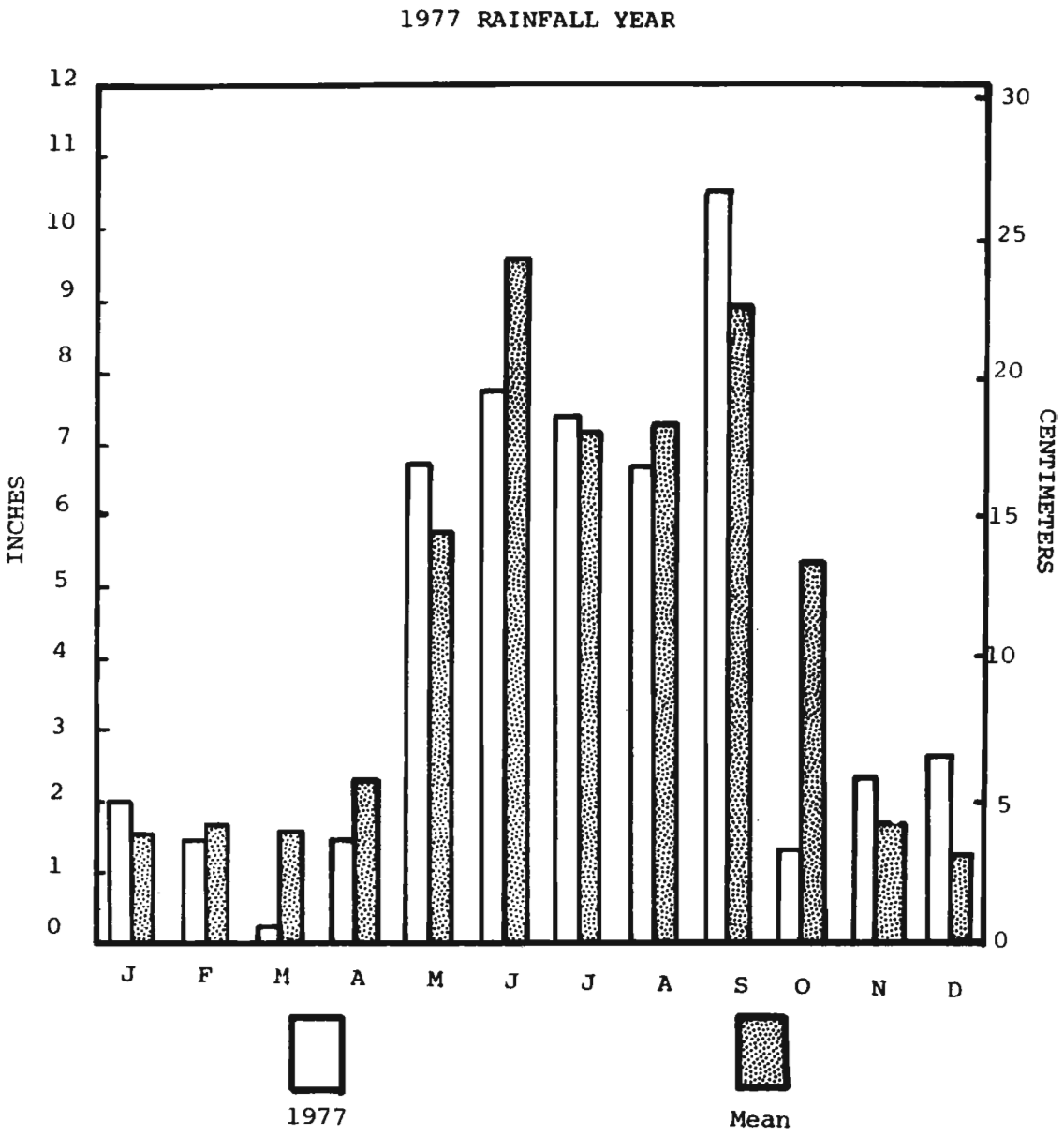


Figure 4: 1977 Rainfall Year, Everglades National Park four station accumulated totals

Table 8. Royal Palm 1977 Monthly Rainfall

Royal Palm Ranger Station

RAINFALL (inches)

Month	Total	Mean	% of Mean	Greatest	Date
Jan.	1.96	1.51	130	1.06	15
Feb.	1.65	1.81	91	0.90	15
Mar.	0.70	1.52	46	0.68	10
Apr.	0.64	2.40	27	0.52	11
May	12.81	6.69	191	4.77	10
Jun.	8.67	10.30	84	4.84	2
Jul.	5.53	7.05	78	2.01	16
Aug.	4.43	7.65	58	0.94	27
Sept.	11.68	8.74	134	3.09	1
Oct.	3.53	6.26	56	2.01	13
Nov.	2.89	2.19	132	2.31	24
Dec.	3.58	1.36	263	2.87	17
Total	58.07	57.48	101		

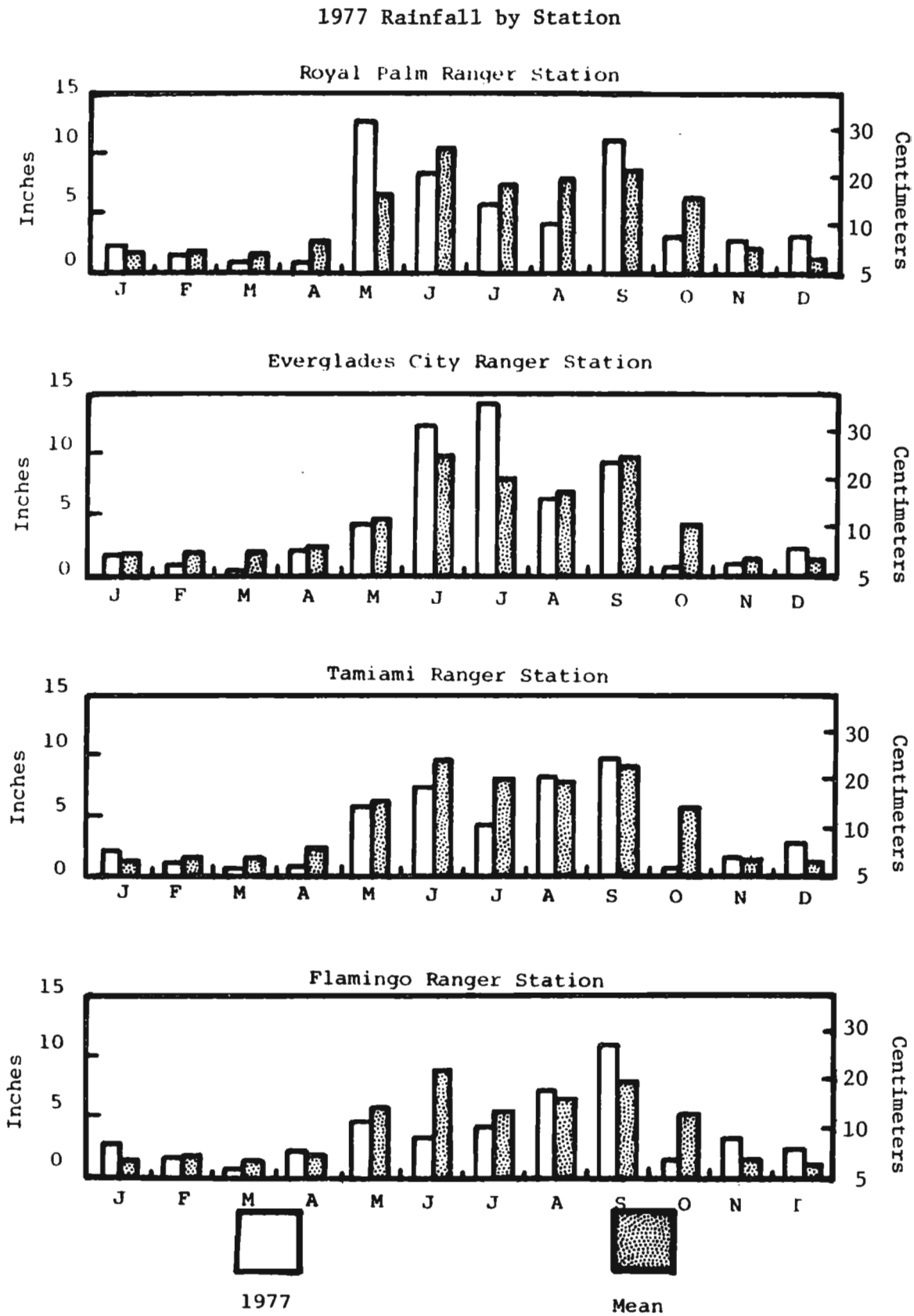


Figure 5: 1977 Everglades National Park rainfall by weather station

This was primarily a result of heavy rainfall events near the end of November. One thunderstorm generated 2.32 inches (5.9 cm) of precipitation which is greater than the monthly November mean. The precipitation continued throughout December and by month's end, Royal Palm recorded the greatest rainfall total for the month, for the period of record. The accumulated December total was 3.58 inches (9.1 cm) which measured some 263 percent above the normally expected monthly total of 1.36 inches (3.45 cm) and breaking the old record set in 1971 of 3.28 inches (9.33 cm) of precipitation.

The only other park weather station which received slightly greater than normal inputs for the year was Everglades City. This station received 105 percent of the norm, which accounted for an accumulated precipitation total of 55.79 inches (141.71 cm) during 1977 (the mean for Everglades City is 53.01 inches of 134.65 cm) (Table 9).

The distribution of rainfall at Everglades City throughout the year was similar to that experienced at Royal Palm. However, most of the months approximated much closer to normal conditions than did Royal Palm. The monitored precipitation during half of the year was fairly close to the normally expected precipitation amounts (Figure 5).

The rainfall for the first five months (January through May) of 1977 at Everglades City was below normal. Both February and March were extremely dry months compared to the normally expected precipitation. February received only 56 percent of the expected rainfall and March was even more dismal. The total accumulated rainfall at Everglades City during March was only 0.03 inches (0.08 cm) of precipitation. This was one of the driest March's on record at Everglades City. The only other year when a smaller amount of precipitation was measured occurred in 1974, when no rain fell.

Following this dry period the next two months (June and July) experienced rainfall amounts in excess of the norm. During June, Everglades City reported 11.80 inches (29.97 cm) precipitation which was 133 percent of the normally expected rainfall. The rains continued and by the end of the first week in July, Everglades City had received 76 percent of its normal amount for the month. By the end of July, this station had received 187 percent, of its expected rainfall, which was an accumulation of 14.72 inches (37.39 cm) compared to the norm of 8.01 inches (20.35 cm).

The following months of August and September experienced near normal rainfall amounts. The station reported frequent rainfall events combined with periodic intense thunderstorms. However, October was an extremely dry month for south Florida and the Everglades City data reflected this trend. During October, only 0.33 inches (0.84 cm) of rainfall was measured at Everglades City compared to the normally expected amount of 4.24 inches (10.77 cm). Only two other years experienced drier conditions at Everglades City, in 1973, 0.31 inches (0.79 cm) were reported and 0.32 inches (0.81 cm) were measured in 1942.

The October dry period was followed by a normal November and an extremely wet December. The 4.28 inches (10.87 cm) of precipitation monitored at Everglades

Table 9. Everglades City 1977 Monthly Rainfall

Everglades City Ranger Station

RAINFALL (inches)

Month	Total	Mean	% of Mean	Greatest	Date
Jan.	1.46	1.58	92	0.70	16
Feb.	0.94	1.69	56	0.33	15
Mar.	0.03	1.76	2	0.02	9
Apr.	1.80	2.20	82	0.70	16
May	4.34	4.47	97	1.95	12
Jun.	11.80	9.69	122	4.16	3
Jul.	14.72	8.01	184	2.50	25
Aug.	6.96	6.90	101	1.43	8
Sept.	9.58	9.66	99	1.99	3
Oct.	0.33	4.24	8	0.13	23
Nov.	1.26	1.37	92	0.50	25
Dec.	4.28	1.46	2.93	0.99	10
Total	55.79	53.01	105	-	-

City during the month was 293 percent of the normally expected amount. This extreme December rainfall approached the record rainfall monitored at Everglades City in 1940 when 5.13 inches (13.03 cm) was recorded at this station.

Both of the remaining stations (Tamiami and Flamingo) reported below normal rainfall amounts for 1977. Tamiami deviated the greatest from the norm, reporting only 80 percent of the expected rainfall. Flamingo was not much better, as only 85 percent of the normally expected precipitation occurred.

Like Royal Palm, both Flamingo and Tamiami reported above average rainfall amounts in January. This trend was reversed for both of these stations in the months which followed.

Tamiami reported six straight months (February through July) of lower than normal precipitation amounts (Table 10). March was the driest of these months when only 4 percent of the mean monthly rainfall was monitored. This amounted to a total of 0.08 inches (0.20 cm) of rainfall for the month. The drought condition was also reported at all south Florida weather stations for the month. This dry trend continued throughout the months of April, May, June and July.

After the dry July, Tamiami received rainfall amounts in excess of the norm during August and September. This was brought about by intense thunderstorms at the end of August changing into a pattern of frequent rainfall events throughout September. These storm systems gave some relief to the dry conditions experienced earlier in the year but was not of sufficient magnitude to counteract the overall deficiency created by earlier months.

The following month, October, was an especially dry one for Tamiami and the park. Tamiami reported a new record low for the station's 35 year period of record. Only 0.14 inches (0.36 cm) of precipitation was monitored during October.

For the remainder of the year Tamiami experienced above normal amounts of precipitation. However, since the station normally experiences a minimal amount of rainfall during November and December the excess was not sufficient to counteract the dry months experienced through the wet season. The rains started in late November and continued through December. The station received 263 percent of the normally expected rainfall for the month of December. The 3.08 inches (7.82 cm) was the second highest amount of precipitation ever monitored at Tamiami in December for the period of record. The record was set in 1963 when 3.26 inches (8.28 cm) was monitored.

By year's end, Tamiami was far from the normally expected precipitation total. The station was 11.07 inches (28.12 cm) deficient for the year 1977. The station reported an accumulated total of 44.16 inches (112.17 cm) versus an accumulated 35 year mean of 55.23 inches (140.28 cm).

Deficient rainfall hydrologic inputs were also reported at the Flamingo Ranger Station. Like Tamiami, Flamingo experienced much drier than normal conditions during the calendar year 1977 (Table 11). The station received only 85 percent of its expected accumulated precipitation total. The station reported 41.92 inches

Table 10. Tamiami 1977 Monthly Rainfall

Tamiami Ranger Station

RAINFALL (inches)

Month	Total	Mean	% of Mean	Greatest	Date
Jan.	2.01	1.45	139	0.85	3
Feb.	1.36	1.47	93	1.18	15
Mar.	0.08	1.80	4	0.08	9
Apr.	0.75	2.34	32	0.29	25
May	5.49	6.03	91	1.58	11
Jun.	7.67	9.23	83	1.13	21
Jul.	4.66	8.02	58	1.16	24
Aug.	7.90	7.62	104	2.07	31
Sept.	9.35	9.01	104	2.21	3
Oct.	0.14	5.61	2	0.14	23
Nov.	1.67	1.50	111	0.63	24
Dec.	3.08	1.17	263	1.51	17
Total	44.16	55.23	80	-	-

Table 11. Flamingo 1977 Monthly Rainfall

Flamingo Ranger Station

RAINFALL (inches)

Month	Total	Mean	% of Mean	Greatest	Date
Jan.	2.40	1.60	150	1.02	16
Feb.	1.66	1.77	94	1.22	15
Mar.	0.23	1.47	16	0.15	1
Apr.	1.94	1.88	103	0.73	23
May	4.62	5.80	80	1.80	5
Jun.	3.04	8.82	34	1.60	2
Jul.	3.88	5.47	71	1.41	21
Aug.	7.13	6.55	109	3.00	31
Sept.	11.29	8.30	136	2.11	2
Oct.	1.05	4.93	21	0.80	23
Nov.	2.80	1.48	189	1.48	25
Dec.	1.88	1.20	157	0.65	17
Total	41.92	49.27	85	-	-

(106.48 cm) accumulated rainfall, which was deficient by 7.35 inches (18.67 cm) from the normally accumulated amount of 49.27 inches (125.15 cm).

Flamingo also experienced similar precipitation conditions reported at most of the park stations during the first three months of 1977. January's excess precipitation was followed by lower than normal amounts of rainfall in February and especially March. However, in April, Flamingo was the only park station to reporter greater than normal rainfall amounts.

Deficiencies again were reported during June and July. By the end of July the accumulated deficiency for the first seven months at Flamingo was 9.04 inches (22.96 cm) of rainfall.

Like Tamiami and Everglades City, the Flamingo station reported above average monthly precipitation for August and September. This surplus was a direct result of late August thunderstorms followed by frequent rains in September. During September, Flamingo received 137 percent of the normal rainfall total.

These wet conditions were followed by the dry October experienced at all park weather stations. Only 1.05 inches (2.68 cm) of precipitation was recorded during the month. This was the second driest October for the 26 year period of record for this station. The record was set in 1962 when only 0.87 inches (2.20 cm) of rain was monitored.

For the remainder of the year, Flamingo reported above normal precipitation amounts. Even though December was a very wet month, the station was one inch (2.25 cm) from the record set in 1958 when 4.08 inches (10.36 cm) of precipitation was monitored.

III. WATER LEVELS

Surface water is one of the most prominent and characteristic natural features in South Florida. The mechanism for overland sheet flow is enacted following sufficient inputs of rainfall into the hydrologic regime. The surface water slowly inundates the flat, broad plain of the Everglades as a thin film. Even though the depth is not of great extent, the impact is widespread and life flourishes throughout the area. Eventually, the anemic flow reaches the ultimate base level, the ocean.

The National Park Service has established an extensive hydrologic monitoring network throughout all areas of Everglades National Park (Fig. 6). Presently there are over 120 hydrologic monitoring stations in the Park. These stations range from sophisticated satellite telemetry stations which continuously monitor stage levels to staff gages which are read discontinuously. National Park Service hydrology personnel work in conjunction with the U.S. Geological Survey to obtain and document water level data at these monitoring stations.

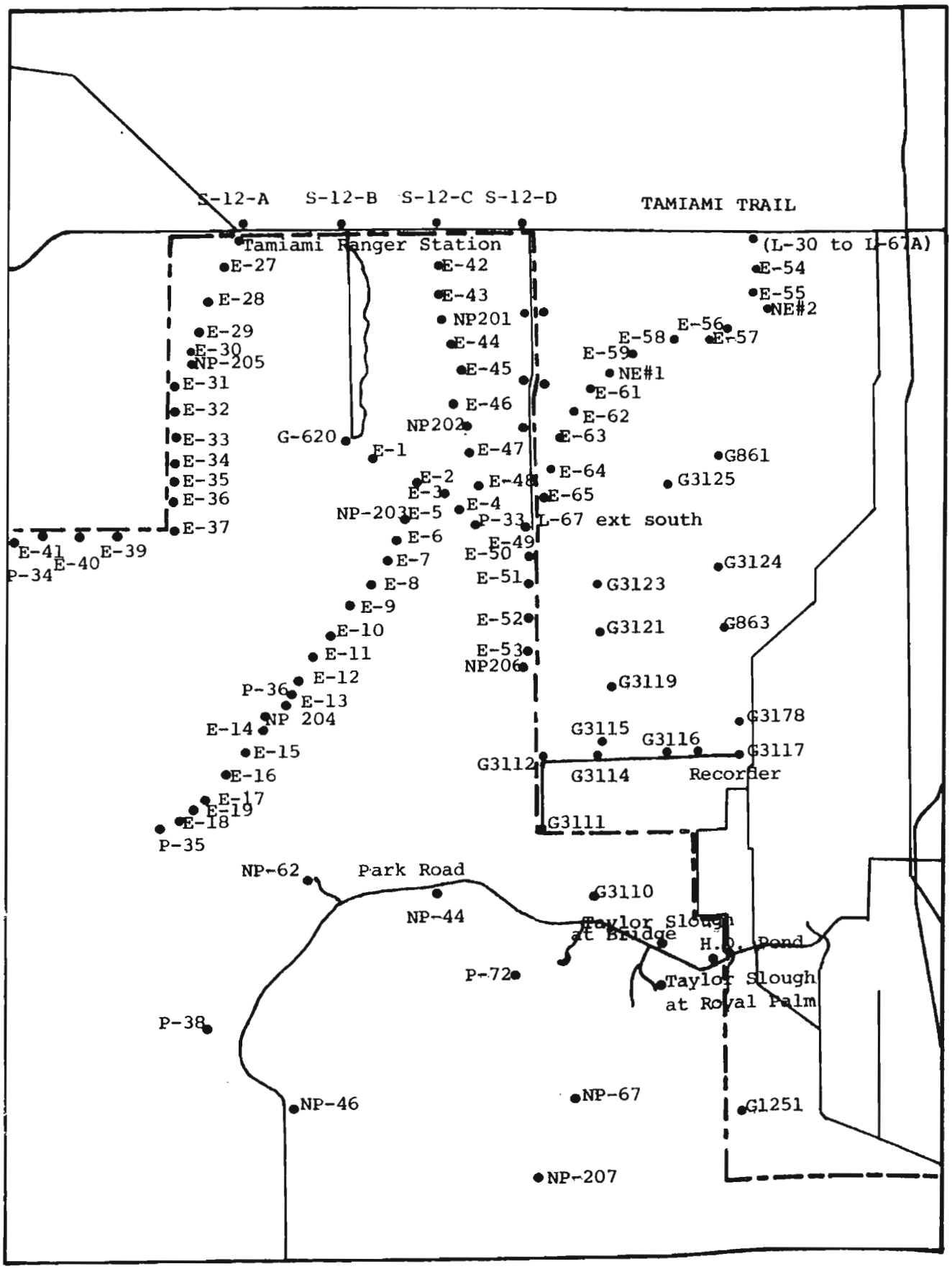


Figure 6. Everglades National Park Hydrologic Monitoring Network.

SHARK RIVER SLOUGH AND TAYLOR SLOUGH 1977 WATER CONDITIONS

A slough can be described as a low lying drainage area representing a mixture between a very wide river channel and a swamp which accommodates overland sheet flow of surface waters. Within the boundaries of Everglades National Park there are two major slough systems; the Shark River Slough and Taylor Slough. The Shark River Slough, serving as a major arterial for surface water movement, is the lifestream for much of Everglades National Park. The slough depends upon rainfall and allocations of water released through control structures outside Everglades National Park to provide input into its channel. Taylor Slough is the other major slough system located in Everglades National Park and has a very significant role in ecosystem maintenance in the eastern area of the park. The highly diverse flora and fauna of both of these sloughs attract many visitors annually to the park. Alligators, herons and tropical hardwood hammocks have all responded to the hydrologic budget of the slough.

A network of permanent recording stations which operate continuously throughout the year has been established in order to monitor hydrologic conditions of both of these sloughs. These stations are monitored in conjunction with a cooperative monitoring program with the U.S. Geological Survey and include both Stevens-digital Recorders and sophisticated ERTS satellite telemetry stations. In addition, over 65 staff gauges have been placed throughout Shark Slough and the adjacent area which are monitored bi-monthly by ENP hydrology personnel in order to determine surface water levels. This set of gauges includes the staff gauge network in the N.E. Shark Slough and Northwestern Everglades National Park boundary which was installed in March of 1977.

1977 WATER LEVELS

Water levels throughout Everglades National Park fluctuated in accordance with seasonal rainfall and surface water inflows during 1977. The surface water conditions during the early part of the year hovered near normal conditions. However, as the dry season neared its conclusion, coupled with an unusually dry March, all water levels receded far below normal. These conditions prevailed until the intense rains of May supplied the impetus required to sharply increase the water levels to above normal conditions. These above normal water levels slacked off as the thunderstorm pattern associated with the wet season did not generate normal rainfall inputs into the system. These below normal water level conditions were in existence until intense thunderstorms occurring in late August and early September reestablished water level to above normal conditions. These conditions were soon reversed when an unusually dry October lowered the water levels. The year concluded with a very wet December. During this time some weather stations monitored record-breaking December rainfall totals. Water levels responded and most stations concluded 1977 with levels slightly higher than would be normally expected.

Water level contour maps were prepared to depict the seasonal surface water conditions in Everglades National Park during the wet and dry season of 1977. The

distribution of surface water differs greatly between these time periods. Two dates were chosen to represent the extremes for each period: May 3, 1977 for the dry season and September 5, 1977, for the wet season.

One of the lower water level periods during the dry season was experienced near the beginning of May. The lowest water level recorded during the dry season was at the recording station P-38 which reported a water level of -1.08 feet MSL (-0.829 m). Conversely, the highest water level at this date in Everglades National Park was recorded just south of the control structures at NP-201. This station is located 3 miles south of S-12C and it reported a stage of nearly 7.50 feet (2.29 m).

The dry season contours delineated an overland sheet flow with the deepest water centered about the Shark River Slough (Figure 7). The impact of the Slough's physical boundary was quite apparent on the surface water movement. The deepest water during the dry season penetrated the furthest into the interior of the Everglades via the central conduit of the slough. Higher pinelands and pinnacle rock regions to the east of Shark Slough directly influenced the water movement and hence the contours indicated drier areas in these sections of the park.

During the wet season, the optimal date for analysis of water level conditions in Everglades National Park was September 5, 1977. The highest stage during the wet season was reported at 8.02 feet MSL (2.44 m), just below the control structures. Overland flow was reported at all monitoring stations and the lowest level recorded occurred at P-37 where the water level was 1.85 feet MSL (0.56 m).

The contours during the wet season depicted the overall dispersal of water throughout the Everglades (Fig. 8). The isolines became further apart and the direct influence of the sloughs decreased. Because of the increased supplies of water from rainfall and greater discharges of water through the control structures, deeper water penetrated further into the interior of the Everglades.

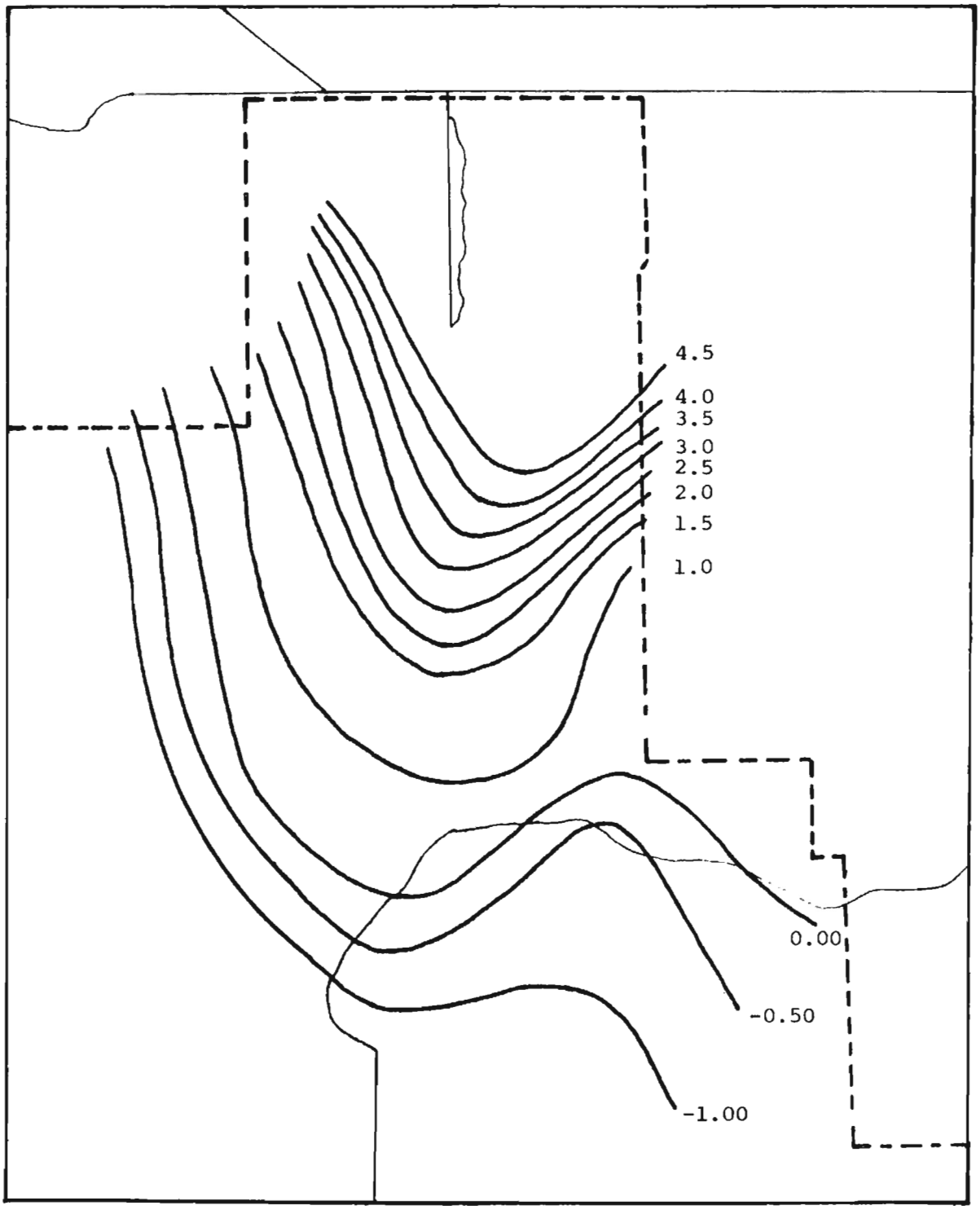
ACTUAL WATER CONDITIONS

Hydrographs depicting hydrologic conditions throughout both the Shark River and Taylor Slough regions of Everglades National Park were prepared for select hydrologic monitoring stations (Figure 9). Each of these stations have a long period of record and most of them are included in the annual U.S. Geological Survey's publication, Water Resources Data for Florida.

Park stations generally reported greater than normal water levels during the first three months of 1977. The only exception was P-38 which is located on the eastern margin of the Shark River Slough. All of the other stations in the park maintained a normal or just above normal stage. Large rainfall rates on January 15 and again on February 15 raised water levels at most park stations, but despite this perturbation, water levels continued to decline at a normal recession rate.

By April the water levels were low throughout Everglades National Park reflecting the dry conditions experienced during the month. The stage slowly receded and by

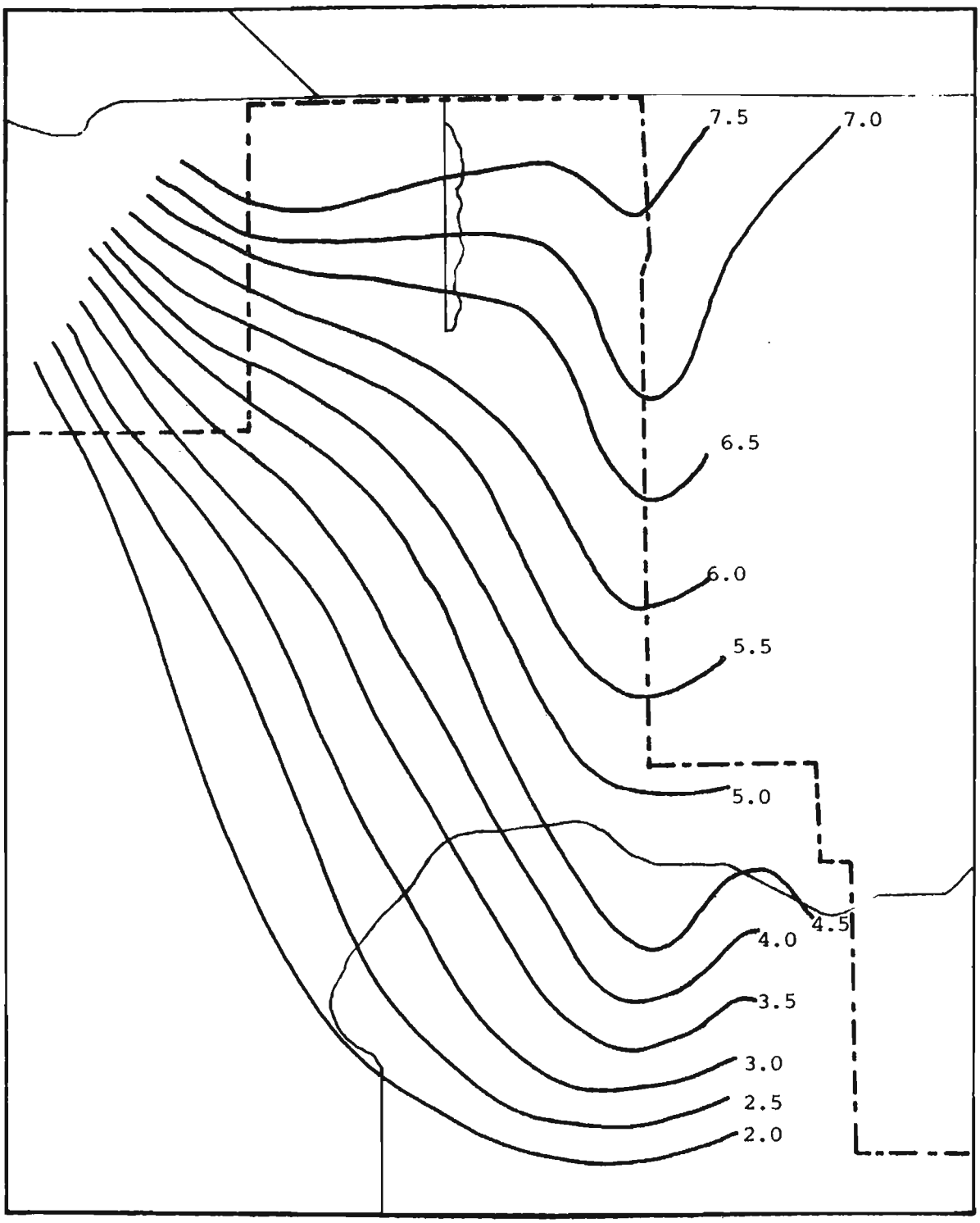
MAY 3, 1977
DRY SEASON CONTOURS



CONTOUR INTERVAL: 0.50 Feet

Figure 7: Dry Season Contours: May 3, 1977

SEPTEMBER 5, 1977
WET SEASON CONTOURS



CONTOUR INTERVAL: 0.50 Feet

Figure 8: Wet Season Contours, September 5, 1977

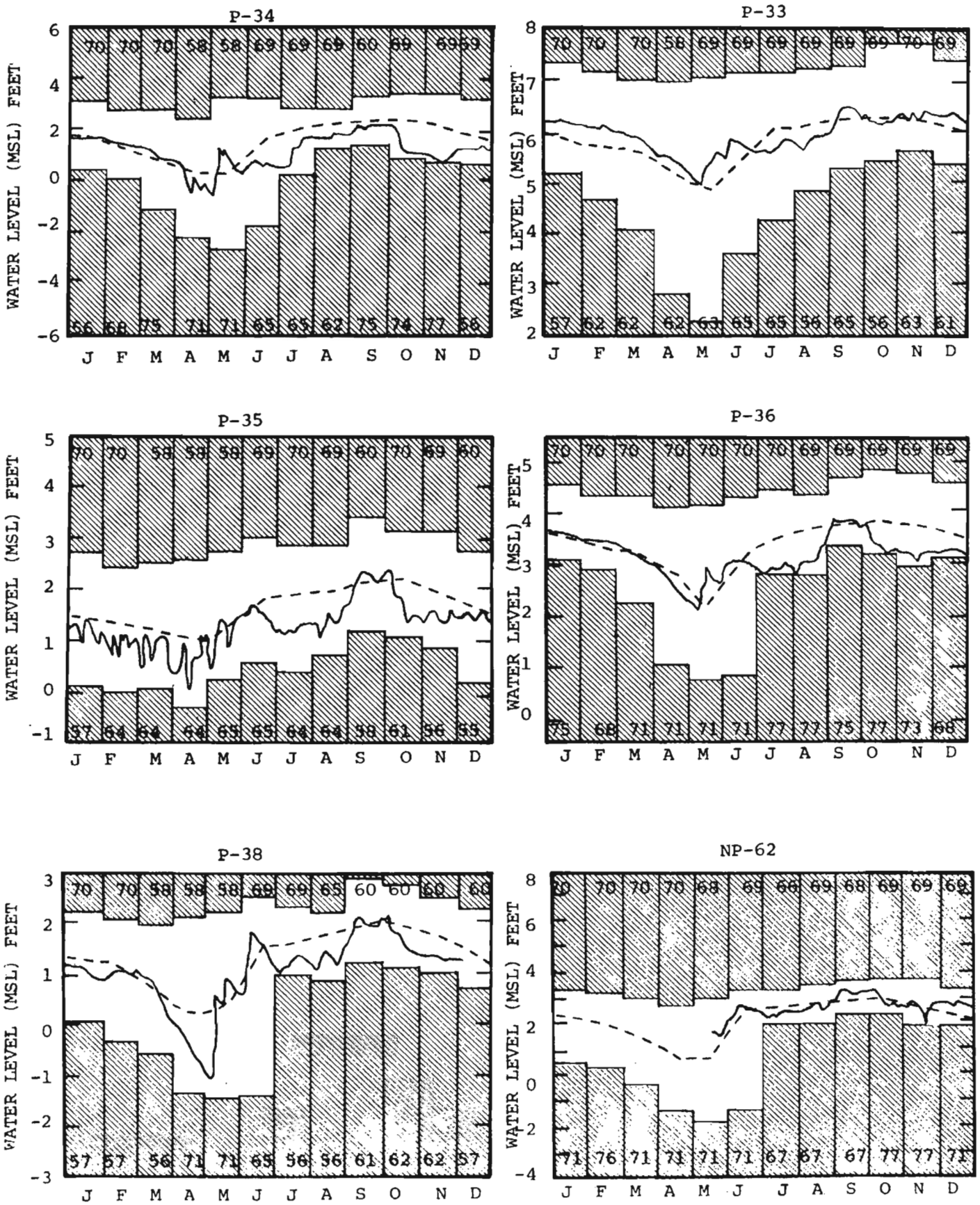


Figure 9: Everglades National Park 1977 Hydrographs

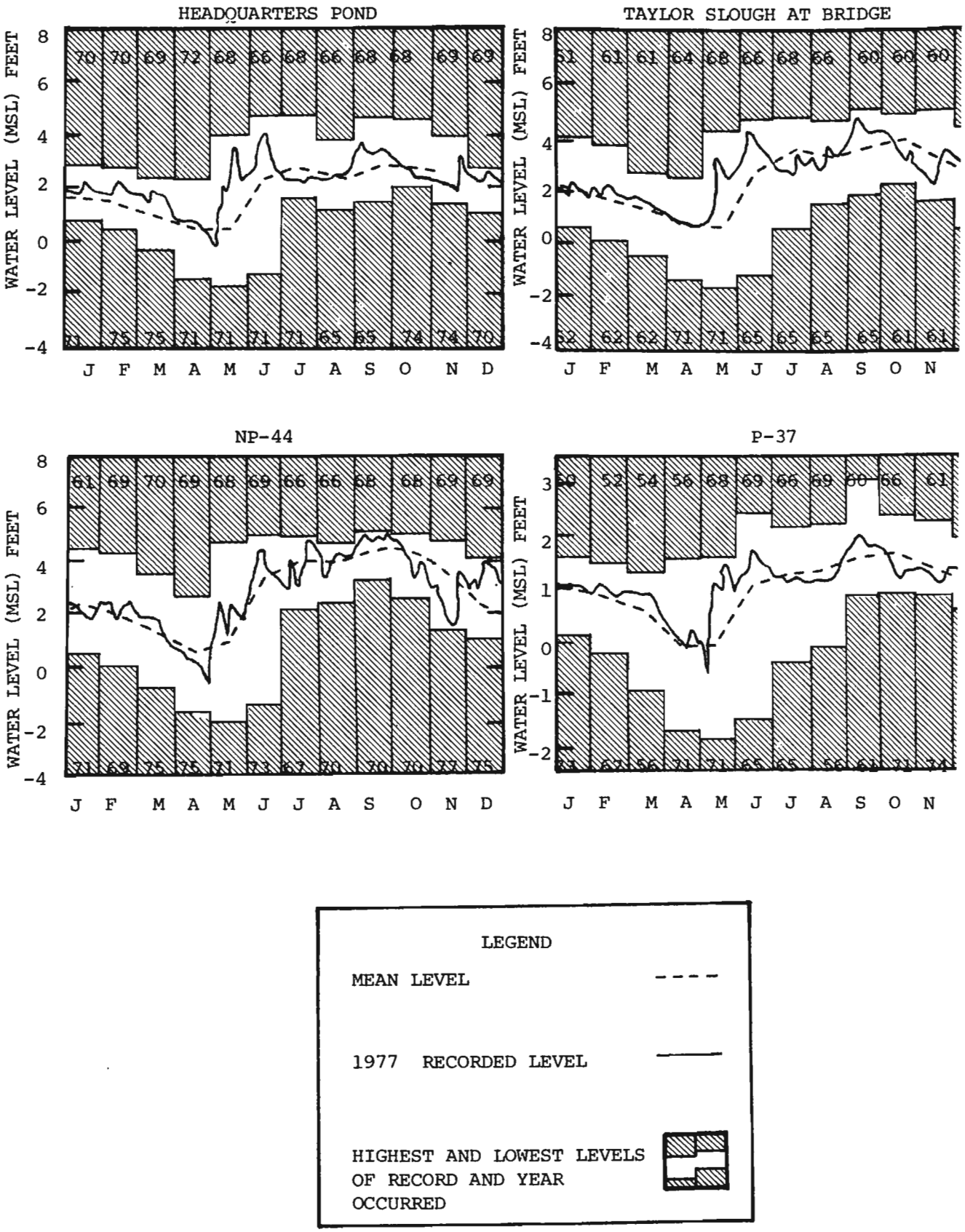


Figure 9 (con't): Everglades National Park 1977 Hydrographs

month's end most stations were reporting below normal conditions. Station P-38 displayed the greatest deviation from the mean water level dropping nearly 1.5 feet (0.46 m) below normal.

Water levels continued to fall during the early days of May, however, heavy rains beginning on May 8 supplied sufficient amounts of fresh water into the Everglades to increase the water levels far above normal. This rise, monitored at all park stations, represented the most drastic change in water levels throughout the year 1977. Some stations, such as P-37 and P-38, recorded an increase of water levels by nearly 2 feet (0.61 m) during this event.

During the month of June water levels in Everglades National Park reflected the precipitation pattern for the month. Heavy thunderstorms at the beginning of the month, combined with an above normal water level at the end of May, produced some inflated water level conditions early in June. In Taylor Slough and vicinity intense rains produced a tremendous runoff in the canals adjacent to the boundary of the park (L-31W and C-111). Water overflowed the banks of L-31W contributing supplies of fresh water to the slough and increasing surface water conditions. This contribution is easily discernable on the Taylor Slough hydrographs where water conditions were very near record high levels. Likewise, water moved from the C-111 canal and through the overflow cuts contributing freshwater supplies to the S.E. panhandle region of Everglades National Park. This precipitation trend slacked off toward the end of the month and by month's end, with the absence of precipitation and in response to surface runoff, infiltration and evapotranspiration, water levels dropped below normal at most park station.

The recession continued throughout the month of July as precipitation inputs were below normal during the month. Stage fluctuations were monitored in response to rainfall inputs but by the end of the month, Shark River Slough experienced water levels nearly 0.50 feet (0.15 m) below normal. However, sufficient water deliveries through the S-12 control structures enabled water levels to establish a good base allowing surface water to be continuous throughout the slough.

Water levels during the beginning of August continued to be below the normally expected level at all stations in Shark River Slough and at some locations in Taylor Slough. As the month progressed, storm systems developed, providing sufficient hydrologic inputs to increase water levels to normal conditions. Intense thunderstorms developed late in the month counteracting the earlier dry August conditions. The most intensive storm for August during a 24-hour period delivered 3.00 inches (7.62 cm) of rainfall at the Flamingo Ranger Station. These storms provided sufficient hydrologic input to increase the stage levels close to normal in Shark Slough and above normal in Taylor Slough.

Above normal conditions were monitored at most park stations throughout September due both in part to above normal rainfall and increased water deliveries through the S-12 control structures. Towards the end of September, water levels started to decline as the rainfall pattern switched from intense thunderstorms to a steady precipitation pattern.

A sharp recession to below normal conditions occurred as south Florida experienced one of the driest Octobers on record. Stage level approached near-record low levels at most stations in the park. Record low water levels for the month of October were reported at P-34, P-36, NP-62 and NP-44. The marginal edges of Shark River Slough dried out rapidly during this drought while the upper-central portion of the slough maintained slightly below normal levels due to releases from the S-12 control structures (see the P-33 hydrograph). The October drought also had an impact on water levels in Lake Okeechobee depressing its level 1.5 feet (-.5 m) below normal.

Lower than normal water levels continued into November, which only experienced relatively light precipitation during its first three weeks. These declining levels were reversed towards the end of the month as intense thunderstorms were generated over the Everglades National Park region. Precipitation was not of sufficient magnitude, however, to remedy the deficit water levels which already had occurred over a one and a half month dry period in the Shark River Slough. Conversely, Taylor Slough received sufficient amounts of precipitation to raise water levels to greater than normal conditions.

By year's end, an unusually heavy rainfall total for December assisted in raising all Taylor Slough water levels above normal. In the Shark Slough, the stations nearest the S-12 control structures finished the year with above normal water levels while those stations near the southern reaches of the Shark Slough were slightly lower than normal.

ERTS/LANDSAT TELEMETRY PROGRAM

Hydrologic data acquisition throughout remote regions of Everglades National Park up until recent years were difficult to obtain. The seasonality of surface water flow combined with the environmental complexities of South Florida were a hindrance to data collection. However, beginning in late 1974, Everglades National Park in cooperation with the U.S. Geological Survey undertook a new adventure in space technology by employing seven satellite telemetry stations to monitor hydrologic parameters. For the first time scientists were provided with the opportunity to receive, on a "real time" basis, daily hydrologic data from stations deep within the interior of the Park.

The satellite program implemented in the Park consisted of a ground hardware package of G.E. platforms which monitored two hydrologic parameters: water level and rainfall. The water levels were measured by a float driven recorder which digitized and encoded the data on tapes. Precipitation was monitored through the use of a standard receptacle which collected the rainfall and conveyed it through a mechanical tipping bucket. The bucket was electronically counted and through computations rainfall amounts were derived once the raw data were transmitted via satellite.

The entire ERTS/LANDSAT program is dependent upon "mutual visibility" by all components. That is, the G.E. field platform, satellite and the ground receiver at the Goddard Space Center must all be aligned during an overflight to satisfy this

criteria. Because of the earth's rotation combined with the sun sychronous orbit of the ERTS/LANDSAT satellite, mutual visibility enabling a complete transmission of data does not occur on every orbit. However, when all criteria for mutual visibility have been satisfied, transmission of data from field station to Goddard can take place. Once the data is acquired, it is then transmitted to U.S.G.S. and eventually documented locally at the Water Resources Division, Miami.

During each overflight of the ERTS/LANDSAT satellites there is a maximum time element in which transmission of data takes place. Above South Florida, due to its geographic location, mutual visibility can occur for a maximum of twelve minutes per each overflight. Since the G.E. field platform transmits data on a three minute cycle, it is therefore possible to receive a maximum of four complete transmissions each time conditions permit. However, due to tape sequence and satellite position, four complete transmissions are not always received because of timing elements which vary.

There were seven operational satellite hydrologic telemetry stations operating in Everglades National Park during 1977 (Fig. 10). The overall operational percentage for obtaining "real time" data from these stations was less than ideal. At some stations the evaluation of the hydrologic parameters being monitored was impossible.

An analysis of "real time" data retrieved from the satellite program revealed different operational levels throughout the year for each station. This can be attributed to the longevity and usefulness of the G.E. platforms utilized during the exploratory phase of this program. Later subsequent technological advances have increased the performance standards of these platforms and future evaluations of the ability to retrieve the data on a "real time" basis should help to determine the viability of future utilization of these satellite stations in Everglades National Park.

Operational percentages for all satellite stations in Everglades National Park were determined for 1977 (Tables 12, 13, and 14). These percentages were very similar for the two hydrologic parameters (water level and rainfall) examined at each specific location. The station with the best operational percentage was NP-201, transmitting data 81.1 percent of the time. During 1977, this station (NP-201) also had the best track record transmitting data 80 percent of the time. Conversely, the most erratic station for transmitting data via the ERTS/LANDSAT program was station NP-204, sending data only 26.3 percent of the time. On a "real time" basis the data transmitted by NP-204 was useless for hydrologic analysis. Three other stations provided data (real-time) on a basis which was less than ideal, transmitting water level data less than 70 percent of the time and rainfall data less than 73 percent of the year.

It is important to note that even though rainfall "real time" data are not retrievable once lost in the system, each satellite platform does record water level data permanently. Therefore, even though on a "real time" basis the water level data could be lost, eventually this information will be retrieved.

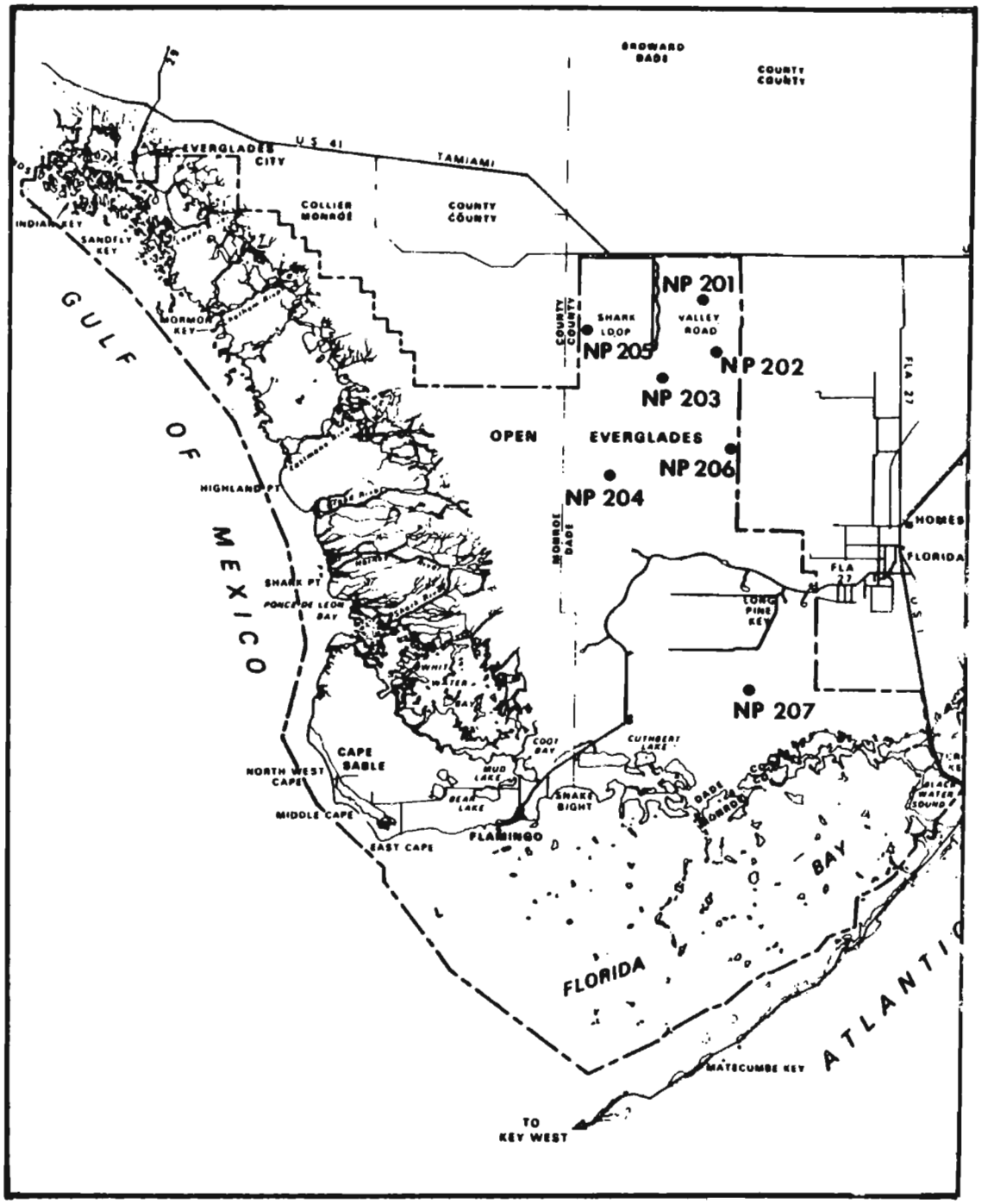


Figure 10: ERTS/LANDSAT Satellite Telemetry Stations, Everglades National Park

Table 12.

1977

OPERATION PERCENTAGES FOR SATELLITE STATIONS NP201-NP207

WATER LEVEL READINGS

Station	Total Days Operation in 1977	% Days Operation in 1977
NP-201	296	81.1
NP-202	288	78.9
NP-203	287	78.6
NP-204	96	26.3
NP-205	239	65.5
NP-206	254	69.6
NP-207	222	60.8

RAINFALL

NP-201	303	83.0
NP-202	300	82.2
NP-203	279	76.4
NP-204	96	26.3
NP-205	267	73.2
NP-206	259	71.0
NP-207	263	72.1

Table 13. 1977 Satellite Stations, Number of Days in Operation (By Month)

WATER LEVELS

	NP 201	NP 202	NP 203	NP 204	NP 205	NP 206	NP 207
Jan.	19	31	31	0	0	0	0
Feb.	28	28	22	0	4	26	0
Mar.	30	18	31	7	31	31	18
Apr.	19	30	30	19	30	29	30
May	31	31	31	8	31	31	31
Jun.	30	26	30	2	29	30	8
Jul.	30	0	11	4	27	23	5
Aug.	12	21	31	9	20	30	31
Sept.	8	14	9	0	5	7	14
Oct.	29	29	2	0	2	0	29
Nov.	30	30	30	17	30	17	26
Dec.	30	30	29	30	30	30	30
Total	296	288	287	96	239	254	222

Table 14. 1977 Satellite Stations, Number of Days in Operation (By Month)

WATER LEVELS

	NP 201	NP 202	NP 203	NP 204	NP 205	NP 206	NP 207
Jan.	20	31	17	0	0	0	0
Feb.	28	28	28	0	4	26	0
Mar.	31	31	31	7	31	31	27
Apr.	19	30	30	9	30	30	20
May	31	31	31	8	31	31	31
Jun.	30	29	30	2	29	30	30
Jul.	30	31	11	4	30	29	30
Aug.	19	0	31	9	23	29	30
Sept.	6	0	9	0	0	6	6
Oct.	28	28	2	0	28	0	28
Nov.	30	30	30	16	30	16	30
Dec.	31	31	29	31	31	31	31
Total	303	300	279	96	267	259	263

IV. S-12 WATER DELIVERIES TO EVERGLADES NATIONAL PARK

Past development in South Florida has altered the natural overland sheet flow of water into Everglades National Park. With the completion of the Tamiami Trail (U.S. 41), combined with the development of flood control projects, natural sheet flow no longer exists continuously from Lake Okeechobee to Florida Bay. To assist in the delivery of water to the Park after the erection of levees that eliminated this flow, four control structures (S-12 A, S-12 B, S-12 C, and S-12 D) were constructed at three mile intervals along the Tamiami Trail. Each of these structures has six gates which are independently operated to release water into the panhandle section of the Park. Under normal circumstances most of the water delivered into the Park is released through structure S-12 C, providing inputs directly into the Shark River Slough. The other structures are manipulated to facilitate scheduled deliveries by the Corps of Engineers with S-12 B of secondary importance, S-12 A tertiary importance and S-12 D is very rarely opened.

The amount of water released to Everglades National Park is in accordance with Public Law 91-282 enacted by the U.S. Congress in 1970, authorizing the amount of minimum water delivered into the Park. One of the provisions of the law provided for the minimum delivery of 260,000 acre feet (320.58 hm^3) of water per annum to the Park through the Tamiami structures on a monthly schedule (Table 15). There is no guarantee that this allotment of water will be available each year. However, hydrologic investigations have determined that sufficient water should be available to meet this schedule during most years.

The minimum water delivery schedule for Everglades National Park was determined through the utilization of historic hydrologic records. The resulting schedule was developed to approximate natural overland sheet flow in accordance with seasonal fluctuation into the Shark River Slough throughout recent historic times in accordance with seasonal variations.

In order to meet the requirements of the monthly water delivery schedule, a 10-day release schedule was developed. The delivery rates were determined by stage-discharge relationships between flows measured through the Tamiami Canal Outlets between 40 Mile Bend and L-30 and P-33. Average water levels for the slough were determined by computing mean gage heights at P-33 monthly stage duration curves. Therefore, the 10-day schedule evolved from a hydrographic interpolation. The resulting calculations developed a schedule of flows from 15 cfs (0.42 m^3/s) to a maximum 1040 cfs (29.45 m^3/s) per 10-day period (Table 16).

1977 WATER DELIVERIES

During 1977 the Corps of Engineers delivered to Everglades National Park an accumulated total of 272,523 acre feet (336 hm^3) of water through the four S-12 control structures along the Tamiami Trail (Table 17). This allotment was 105 percent of the minimum required delivery by public law. During the first four

Table 15. S-12 SCHEDULED WATER DELIVERIES TO EVERGLADES NATIONAL PARK

Month	Volume-Acre Feet
January	22,000
February	9,000
March	4,000
April	1,700
May	1,700
June	5,000
July	7,000
August	12,000
September	39,000
October	62,000
November	59,000
December	32,000
Total	260,000

Table 16. Schedule of Releases from Conservation Area No. 3 to Everglades National Park (10-Day Release Schedule)

Month	10-Day Period	Scheduled Releases (cfs)	Month	10-Day Period	Scheduled Releases (cfs)
Jan.	1-10	390	July	10-19	120
	11-20	350		20-29	130
	21-30	290		30-8	150
	31-9	210	August	9-18	180
Feb.	10-19	160		19-28	220
	20-1	110		29-7	320
March	2-11	90	Sept.	8-17	540
	12-21	65		18-27	820
	22-31	45		28-7	1020
April	1-10	30	Oct.	8-17	1040
	11-20	25		18-27	1010
	21-30	15		28-6	1000
May	1-10	15	Nov.	7-16	980
	11-20	20		17-26	880
	21-30	25		27-5	750
	31-9	50	Dec.	6-15	640
June	10-19	75		16-25	440
	20-29	90		26-31	400
	30-9	110			

Table 17. 1977 S-12 Deliveries to ENP (A through D). Actual Monthly Water Deliveries to Everglades National Park

Month	Scheduled Deliveries Acre Feet	Actual Deliveries Acre Feet	Monthly Deliveries cfs	Monthly Percent
Jan.	22,000	22,384	11,305	102
Feb.	9,000	9,338	4,716	104
Mar.	4,000	4,253	2,148	106
Apr.	1,700	1,832	925	108
May	1,700	1,942	981	114
Jun.	5,000	5,158	2,605	103
July	7,000	7,340	3,707	105
Aug.	12,000	12,244	6,184	102
Sept.	39,000	43,746	22,094	112
Oct.	62,000	73,930	37,360	119
Nov.	59,000	57,434	29,070	97
Dec.	32,000	32,880	16,606	103
Total	260,000	272,523	-	105

Excess deliveries = 12,523 acre-feet

months of 1977 the Corps delivered to the park water quantities slightly in excess of the required monthly minimums. Throughout these four months, January through April, the park received between 102 and 108 percent of the monthly scheduled delivery.

Variances between scheduled and actual water deliveries to the park occurred in May. The park received a total of 1942 acre feet (2.4 hm^3) which was in excess of the scheduled minimum by 242 acre feet (0.3 hm^3) or 114 percent of the regulation schedule.

During the following three months (June, July and August) the park continued to receive slightly greater than the regulation minimum deliveries through the control structures. The range in water deliveries varied from 102 to 105 percent.

The greatest variance from the regulated minimum allotment of water delivered to the park occurred in October. During this month, the park received 119 percent of the minimum delivery. The actual accumulated delivery through the structures in October totaled 73,972 acre feet (91.2 hm^3) which was 11,973 acre feet (14.8 hm^3) in excess of the minimum schedule.

The remaining months of November and December deviated slightly below and above the regulation delivery to the park. November was the only month in which the minimum delivery to the park was not met. The Corps of Engineers delivered 97 percent or 57,434 acre feet (70.8 hm^3) compared to the regulated amount of 59,000 acre feet (72.6 hm^3). The following month of December was in excess of the required delivery for the month. By year's end, the park had received an accumulated total excess delivery of 12,523 acre feet (15.4 hm^3) for the year 1977.

A hydrograph depicting the actual monthly water deliveries to Everglades National Park was prepared (Figure 11). The graph illustrates the nature of an incremental "stepped" release schedule whereby increases or decreases in deliveries are gradually accomplished. This permits a more natural simulation of surface water movement into the park and the Shark River Slough while delivering the quantity stipulated by the public law. The only major deviation in the incremental release schedule occurred during the increased deliveries in September and some fluctuation in October and November. During all other months, the increases/decreases experienced in the park represented a gradual step increase/decrease for each month.

Water was delivered to Everglades National Park utilizing three of the four control structures along the Tamiami Trail. Most of the water delivered to the Shark River Slough was via control structure S-12-C (Table 18). This structure, utilized most frequently, best provides hydrologic inputs of fresh water into the Shark Slough (compared to the other control structures).

The structure S-12-B was used as a secondary means of providing surface water deliveries to the park. This structure was used at some time during each month in conjunction with other primary deliveries through S-12-C.

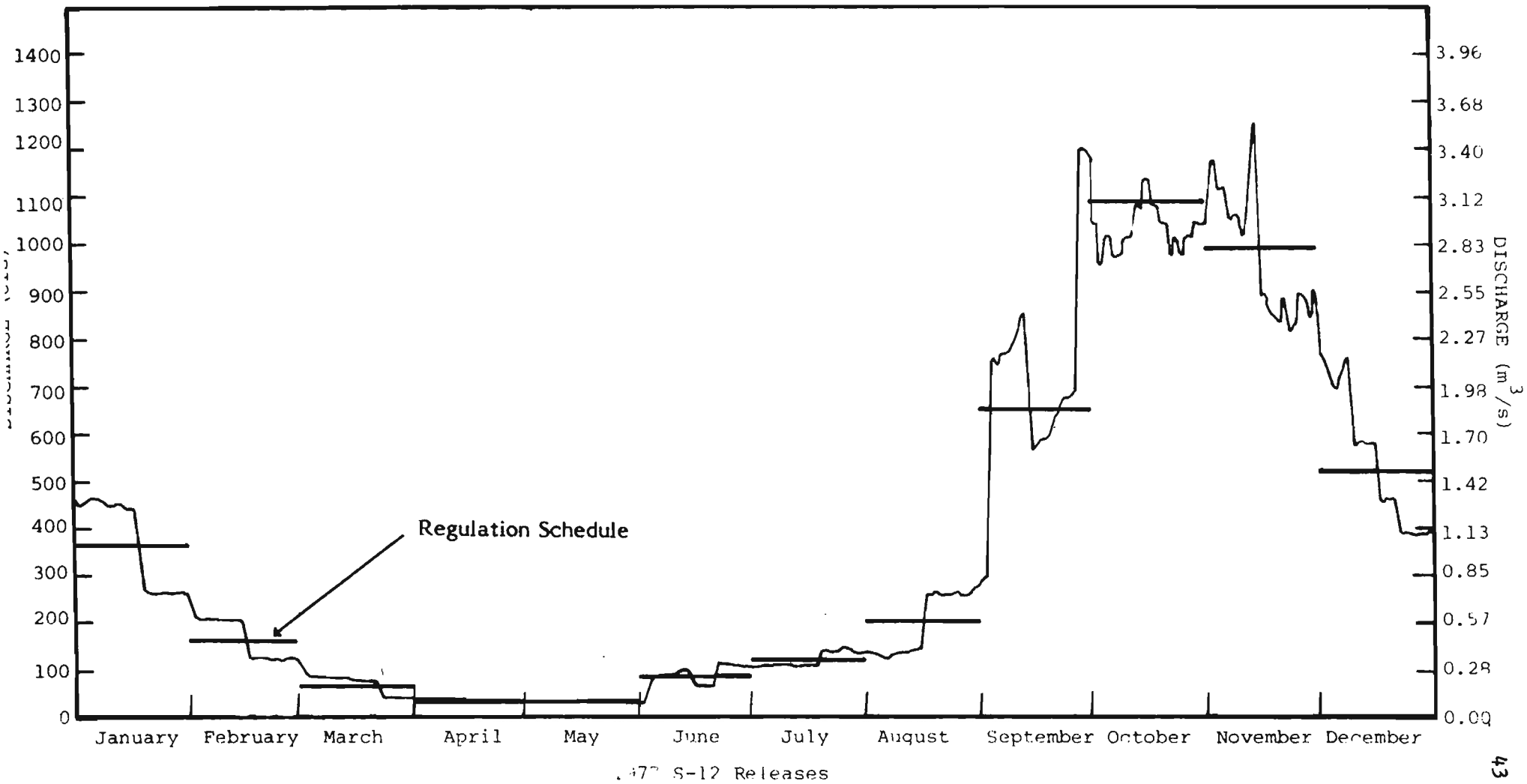


Figure 11: 1977 S-12 Release Hydrograph

Table 18. 1977 Monthly Summary of Discharges at S-12A, S-12B, S-12C and S-12D

Discharge - cfs

Month	S-12A	S-12B	S-12C	S-12D	Total
Jan.	0	3,150	8,155	0	11,305
Feb.	0	1,194	3,522	0	4,716
Mar.	0	379	1,769	0	2,148
Apr.	0	275	649	0	925
May	0	279	700	0	981
June	0	477	2,127	0	2,605
July	0	855	2,852	0	3,707
Aug.	0	906	5,278	0	6,184
Sept.	1,329	3,110	17,641	0	22,094
Oct.	0	5,434	31,844	0	37,360
Nov.	0	5,518	23,540	0	29,070
Dec.	0	2,882	13,778	0	16,606

The structure S-12-A was only utilized one time in 1977 to deliver water into the park. Because of its location, the structure does not contribute water directly into the Shark Slough and therefore is used infrequently. Likewise, S-12-D is infrequently utilized because of its proximity to the L-67-ext canal. Therefore, in 1977, S-12-D was never opened throughout the year.

DISCHARGE

There are six locations from which discharge measurements are made to monitor surface water flow into Everglades National Park (four of which are shown in (Figure 12). Two of these stations, Taylor Slough (not shown) and the Tamiami Canal Outlets: L-67-A to 40-Mile Bend, report surface flow directly into the park. The remaining locations, Taylor Slough at Context Road (not shown), Tamiami Canal Outlets: L-30 to L-67-A, Monroe to Carnestown and 40-Mile Bend to Monroe, give an indication of flow conditions outside the park which eventually contribute to surface water conditions in the park.

As would be expected, the discharge rates for the Tamiami Canal Outlets: L-67A to 40 Mile Bend (S-12 structure releases) indicated the greatest discharge rates for 1977. This is due to the controlled delivery of surface waters into the park via the S-12 structures. The mean daily discharge for this location was normal even though the park did receive the minimum required deliveries by law (Table 17). During 1977, the L-67-A to 40 Mile Bend location reported a mean daily discharge of 374.15 cfs (10.6 m^3/s) per day compared to the mean daily discharge for the period of record which is 877 cfs (24.8 m^3/s). There were no days of zero flow. The flow duration curve for this station illustrates the percentage of time during which discharge equalled or exceeded the flow during the year. Nearly 50 percent of the time flow equaled or exceeded 150 cfs (4.2 m^3/s) (Figure 13).

The monthly mean discharges through the L-67-A to 40 Mile Bend locale also indicated lower than normal monthly discharge rates (Table 19). The only month in which discharge approximated normal monthly means occurred in October when 91 percent of the norm was achieved. During October the average discharge for the month equaled 1189 cfs (33.7 m^3/s) compared to the mean monthly total of 1308 cfs (37.0 m^3/s).

The discharge values for the area east of and adjacent to the panhandle section of Everglades National Park were measured at the Tamiami Canal Outlets: L-30 to L-67-A. Waters in Conservation Area 3-B seep southward under L-29 into Tamiami Canal (C-4) from where they flow south through culverts situated along Tamiami Trail (U.S. 41) into N.E. Shark Slough. Eventually, some of these waters flow into Everglades National Park just south of the end of L-67-ext.

The discharge rates for the L-30 to L-67A location during 1977 were far below normal. Discharge monitored for this location totaled a mean daily rate of 36.76 cfs (1.04 m^3/s) compared to the mean for the period of record of 118 cfs (3.3 m^3/s). Throughout the year the maximum daily flow was 135 cfs (3.8 m^3/s) and the minimum was zero flow, occurring for a total of 50 days in 1977 (Table 20). The flow duration curve for L-30 to L-67-A indicated that for 50 percent of the time the discharge exceeded or equaled 30 cfs (0.85 m^3/s) daily (Figure 14).

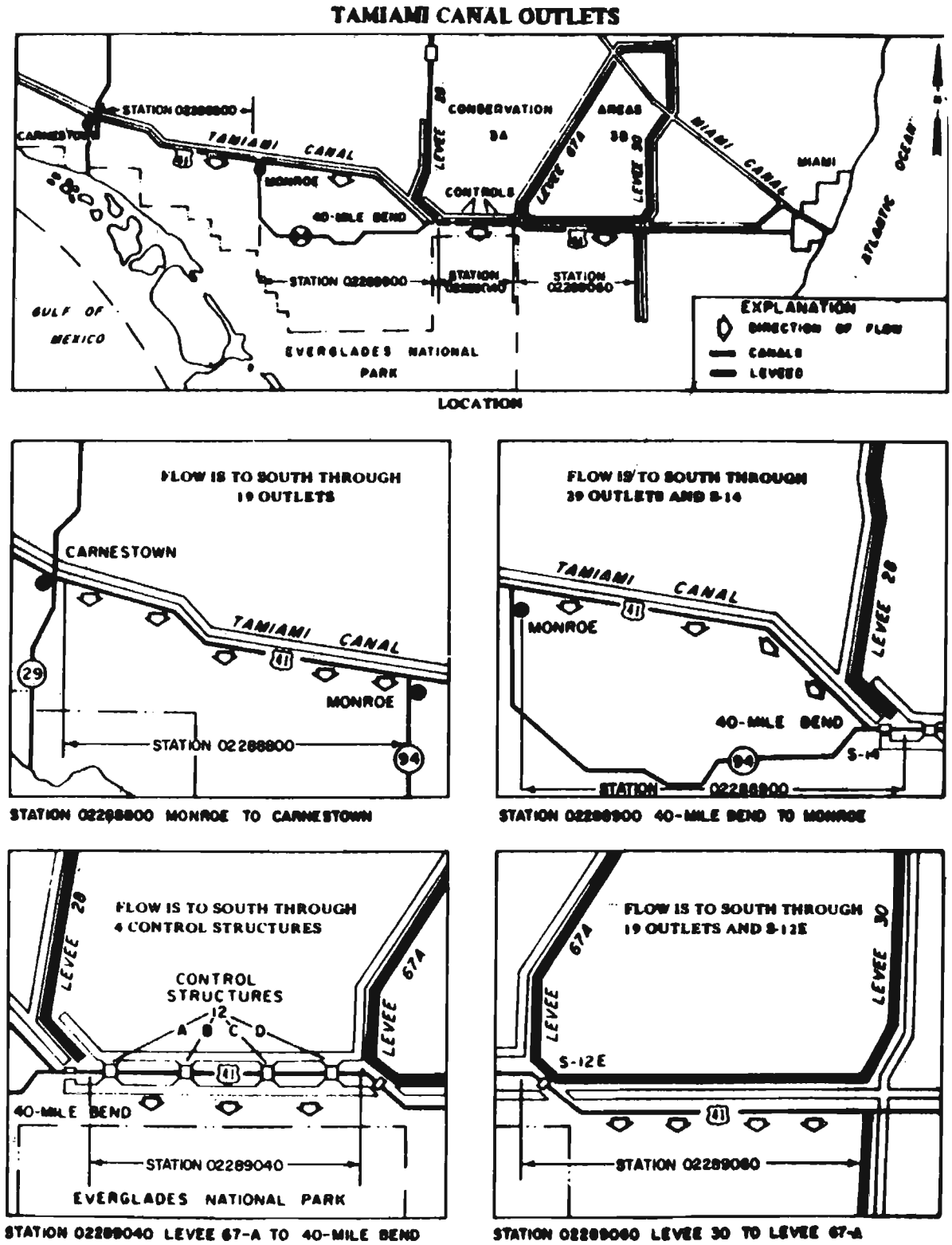


Figure 12: Tamiami Canal Outlets, Monitoring Locations
(Taken from U.S.G.S. Water Resources Data for Florida, Vol. II, 1975)

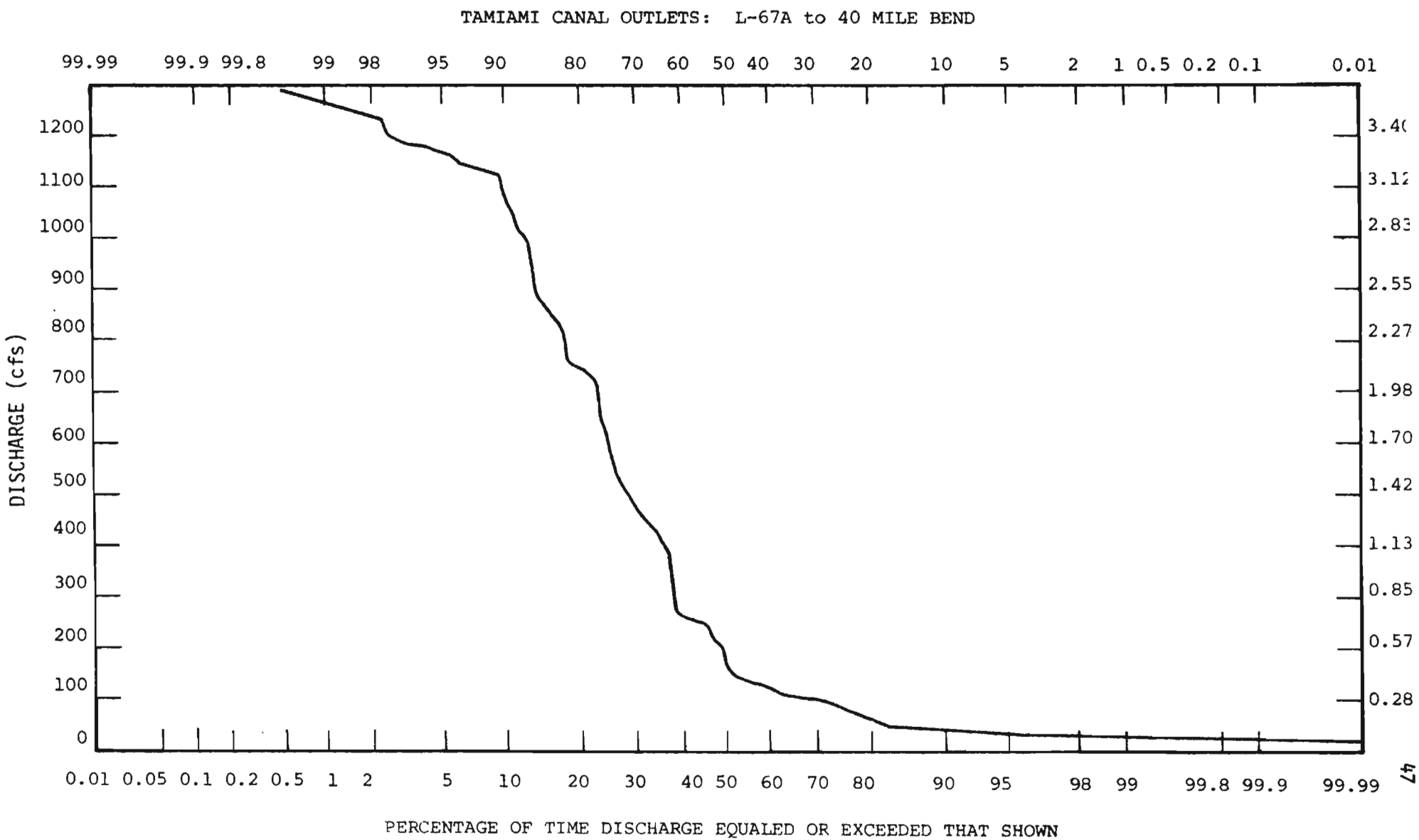


Figure 13: 1977 Flow Duration Curve, L-67A to 40 Mile Bend

Table 19. 1977 Discharge Tamiami Canal Outlets
L67A to 40 Mile Bend

Month	Total Mean Discharge Monthly	1977 Mean Discharge Monthly	% Discharge 1977
Jan	449	364	70
Feb.	455	168	34
Mar.	587	69.2	13
Apr.	581	30.8	5.6
May	384	32.0	19
Jun.	918	86.9	9.5
Jul.	1,422	119	10
Aug.	1,508	199	17
Sept.	1,508	733	50
Oct.	1,308	1,189	91
Nov.	1,135	963	77
Dec.	700	536	64
Total	10,524	4,489.9	43

Table 20. Summary of Discharge Data for Everglades National Park for 1977.

Station	cfs Max Daily	cfs Min Daily	No. Days of 0 Flow	Mean (cfs) Daily	Avg. for Period of Record (cfs) Daily
Taylor Slough at Bridge	432	0	171	38.57	33.10
Taylor Slough at Context	210	0	263	11.44	n.a.
Tamiami Canal Outlets: L-67A to 40 Mile Bend	1,330	27	0	374.16	877
Tamiami Canal Outlets: L-30 to L-67A	135	0	50	36.76	118

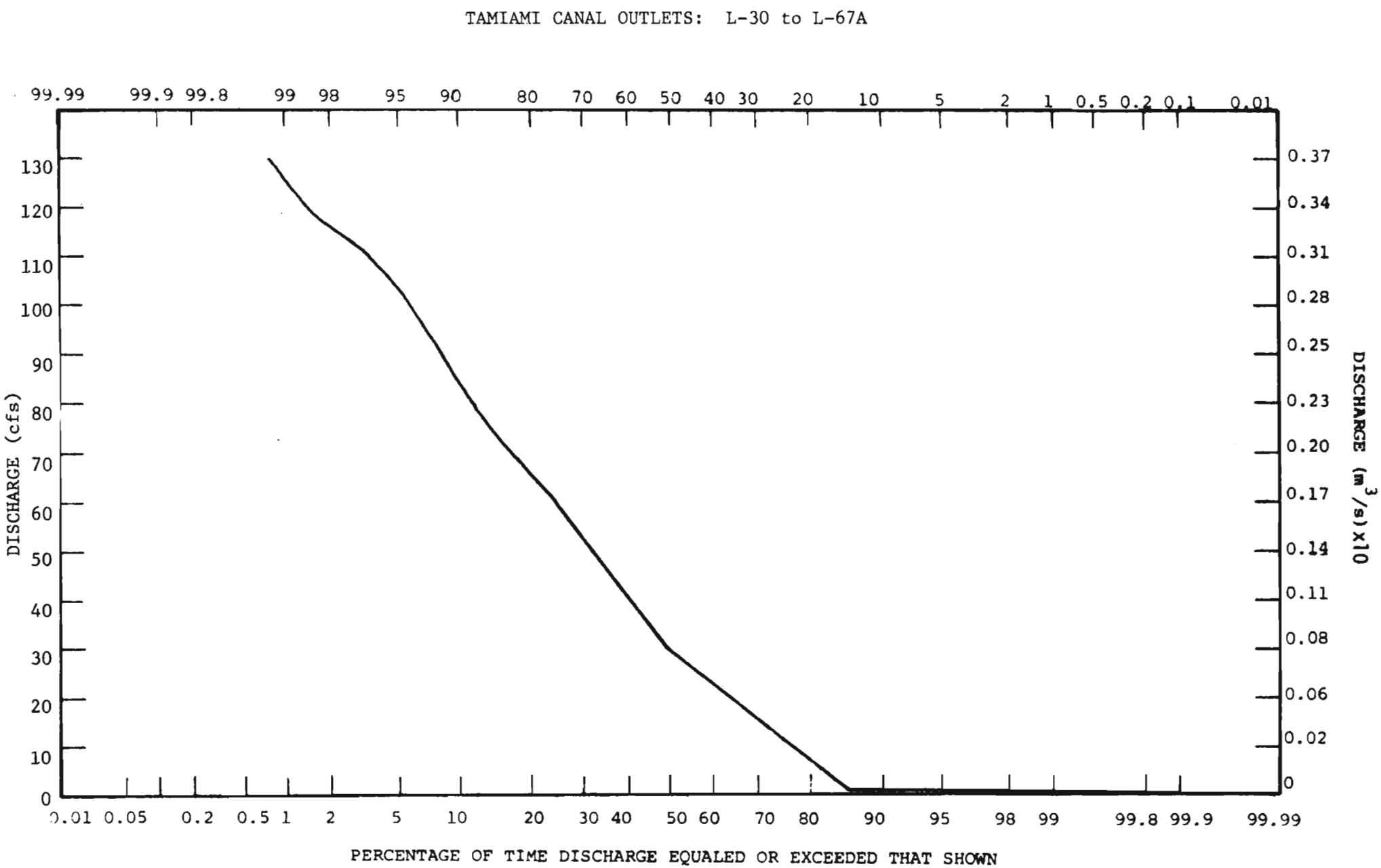


Figure 14: 1977 Flow Duration Curve, L-30 to L-67A

The mean monthly discharge values for L-30 to L-67-A were also far below normal. The nearest this location came to approximating the norm occurred in September when 80 percent of the mean monthly discharge was realized (Table 21). Most of the other months experienced less than 50 percent of normal monthly conditions. The greatest variance from normal flow conditions occurred in March when no flow was monitored at this location. The normal monthly discharge for March is 30 cfs (0.85 m^3/s). By year's end, L-30 to L-67-A reported only 31 percent of normal monthly mean discharge values showing an accumulated monthly discharge of 441.19 cfs (12.5 m^3/s) versus the normal monthly accumulation of 1,416 cfs (40.1 m^3/s).

The only station which reported above normal daily discharge values for Everglades National Park was at Taylor Slough. Measurements were taken along the park road in a 3 mile section which traverses the slough. By year's end, Taylor Slough reported a daily mean discharge of 38.57 cfs (1.1 m^3/s) compared to the mean for the period of record of 33.1 cfs (0.90 m^3/s) (Table 20). The flow duration curve for Taylor Slough indicated the discharge to be less than 10 cfs (0.30 m^3/s) for more than 50 percent of the time (Figure 15).

The mean monthly discharge at Taylor Slough was also in excess of the normal discharge for the year 1977. By year's end, the slough had a discharge surplus of 116 percent of the norm (Table 22). The greatest variance between the monthly mean discharge and the actual discharge for 1977 at Taylor Slough occurred in August. During August, 224 cfs (6.3 m^3/s) was the mean total compared to a mean discharge of 35.7 cfs (1.01 m^3/s). Other months registering discharge values above normal included May and June.

Even though discharge rates were greater than normal for Taylor Slough, the statistics do reveal months where measured discharge was far below normal. These months include January, February, June, November and December. During December the monthly discharge measurement was only 2 percent of the monthly norm. The mean monthly discharge in the slough was only 1.69 cfs (0.05 m^3/s) compared to the norm of 76.34 cfs (2.20 m^3/s).

Taylor Slough also had an additional discharge location situated outside the park boundary along Context Road. The flow in this area has only been monitored since May of 1976. Therefore an analysis of means and comparative years would not be of value at this time. However, the statistics for the 1977 year were generated in order to facilitate a better understanding of this area which contributes water to Everglades National Park.

During 1977, Taylor Slough at Context Road reported a maximum daily discharge of 210 cfs (5.9 m^3/s) (Table 23). This rate was reported in September when the mean monthly discharge equaled 127 cfs (3.6 m^3/s). Conversely, there were reported a total of 263 days where no (zero) flow was measured. The flow duration curve for this location indicated that for over 72 percent of the year, no flow was measured and for over 89 percent of the time, flow was less than 10 cfs (0.3 m^3/s) (Figure 16).

Table 21. 1977 Discharge Tamiami Canal Outlets
L30 to L67A

Month	Total Mean Discharge Monthly	1977 Mean Discharge Monthly	% Discharge 1977
Jan.	69	35.5	51
Feb.	458	15.2	3.3
Mar.	42	1.59	3.8
Apr.	30	0	0
May	44	26.6	60
Jun.	79	37.1	47
Jul.	99	12.2	12
Aug.	112	19.8	18
Sept.	120	96.2	80
Oct.	145	77.4	53
Nov.	130	48.8	38
Dec.	88	70.8	81
Total	1,416	441.19	31

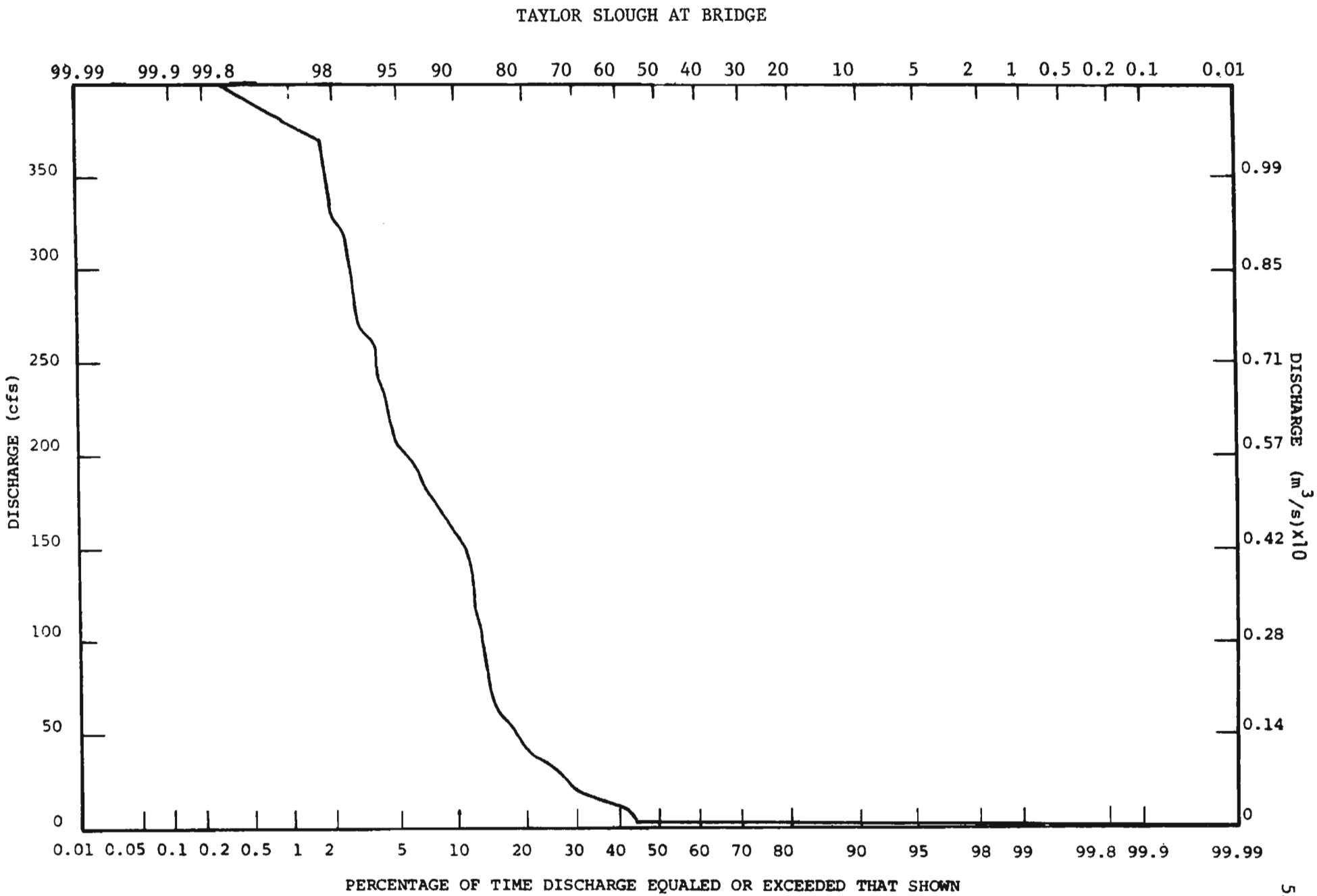


Figure 15: Flow Duration Curve, Taylor Slough at Bridge

Table 22. 1977 Discharge Taylor Slough at Bridge

Month	Total Mean Discharge Monthly	1977 Mean Discharge Monthly	% Discharge 1977
Jan.	0.48	0	0
Feb.	0.17	0	0
Mar.	0	0	100
April	0	0	100
May	6.05	16.1	266
Jun.	61.36	130	212
Jul.	74.6	10.7	14
Aug.	35.7	27.7	78
Sept.	52.7	224	425
Oct.	63.46	44.8	71
Nov.	26.63	7.85	29
Dec.	76.34	1.69	2
Total	397.49	462.84	116

Table 23: 1977 Discharge, Taylor Slough at Context Road

Month	1977 Mean Discharge
January	0
February	0
March	0
April	0
May	0.28
June	7.38
July	0
August	2.59
September	127
October	1.02
November	0
December	0

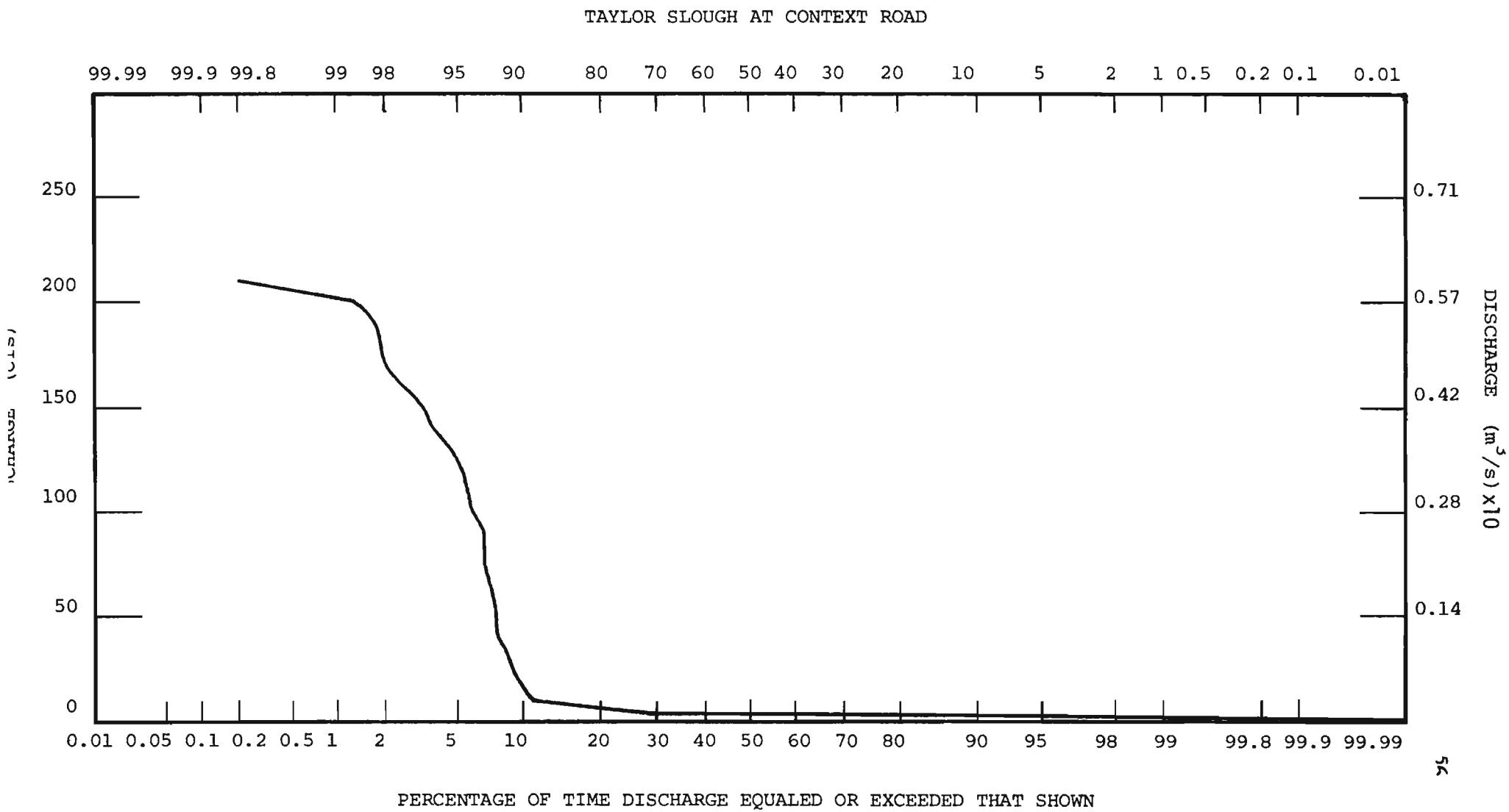


Figure 16: Flow Duration Curve: Taylor Slough at Context Road

Discharge through two additional Tamiami Trail sections was also measured during 1977 from Carnestown to Monroe and Monroe to 40 Mile Bend. Although these surface flows eventually enter ENP they also flow within the Big Cypress Preserve and are thus analyzed in a separate report concerned specifically with BICY.

CONCLUSION

The hydrologic parameters monitored throughout Everglades National Park help to provide insight into the delicate ecosystem maintenance of the park. The yearly variation in the spatial and temporal distribution of the hydrologic inputs definitely has an impact on the South Florida environment.

The inputs into the hydrologic regime of the park were monitored by an elaborate network consisting of staff gauges, Stevens recorders and ERTS telemetry hydrologic stations. In addition, 1977 marked a year of expanded and intensified hydrologic research in Everglades National Park. The hydrologic monitoring network was expanded to include the Northeast Shark Slough and the Northwestern park boundary locales. The new network, combined with the intensified research thrust, will enable scientists to more accurately predict and model hydrologic conditions in the park and help generate a more sound resource management program for Everglades National Park.

The hydrologic parameters reviewed in this report revealed the nature of the hydrologic regime in Everglades National Park during 1977. The hydrologic data collected within the park and vicinity throughout the year indicated the following trends:

1. Temperatures: Temperature distribution throughout Everglades National Park was very close to normal except for the months of January and March. During January, a severe cold front invaded South Florida lowering air temperatures below 32°F (0°C).

   The coldest temperature in the park associated with this cold front was at Royal Palm where temperatures dropped to 24°F (-4.4°C). Conversely, March experienced temperatures slightly warmer than normal.

2. Rainfall: The precipitation distribution throughout Everglades National Park during 1977 emphasized the nature of localized thunderstorm patterns typical of South Florida. Two stations, Royal Palm and Everglades City, reported accumulated annual rainfall amounts slightly in excess of the norm. However, these stations did not approximate normal monthly rainfall inputs throughout the year. The remaining stations, Flamingo and Tamiami, experienced a decrease in precipitation from the normally expected annual amounts by nearly 20 percent. Extreme rainfall patterns were monitored at all stations during October and December. October was one of the driest months ever experienced in South Florida and conversely, December was one of the wettest.

3. WATER LEVELS: Surface water conditions fluctuated in accordance with hydrologic inputs during 1977. Early in the year the water levels approximated near normal conditions. These levels soon receded in response to an extremely dry March. Lower than normal conditions prevailed until intense rains in May sharply increased levels to above normal conditions. Most stations experienced less than normal rainfall inputs during June and July causing water levels, again, to fall below normal. These low level conditions were reversed with heavy precipitation inputs occurring in late August and early September. During October, drought conditions forced water levels below normal until heavy rains in December assisted most water levels to conclude 1977 at higher than or at near normal levels.

4. WATER DELIVERIES: The Corps of Engineers delivered to Everglades National Park via the S-12 control structures 272,523 acre feet (336. hm^3) of water during 1977. This was slightly in excess of the minimum delivery required by Public Law 91-282 (260,000 acre feet). Deliveries were made in accordance with the prescribed monthly schedule and during all months (except November) the park received slightly greater than the regulation minimum deliveries. These deliveries were made primarily through structure S-12-C with S-12-B serving as a secondary contributor and S-12-A was utilized only during September to deliver water into the park (S-12-D was not opened during 1977).

5. DISCHARGE: Two of the monitoring locations for Everglades National Park experienced lower than normal daily mean discharge rates. This is applicable to the location which monitored deliveries through the S-12 control structures (L-67-A to 40 Mile Bend). Even though the mean daily discharge rates for this location was far below normal, the water deliveries via the control structures were normal (refer to water deliveries summary). The only station reporting above normal daily discharge values was Taylor Slough at the Bridge. The remaining station, Taylor Slough at Context Road had insufficient period of record to generate comparative analysis for 1977.

It is hoped that this analysis will assist in providing a greater perspective into the hydrologic events that occurred in Everglades National Park throughout 1977. These data have provided valuable insight into the complex South Florida ecosystem which should enable a more sound resource management program which will ultimately benefit the park and enhance the park experience for the visitor.

APPENDIX

HYDROLOGY STATION INDEX

P. STATIONS

Data Collected Continuously

Station	USGS Designation	Location Lat.	Long.	Period of Record From	To	Parameters*
P-33	02290815	N25°36'30"	W80°41'30"	10/52	Present	W.L.
P-34	02290870	N25°36'30"	W80°55'30"	1/53	Present	W.L.
P-35	02290830	N25°27'20"	W80°52'30"	2/53	Present	W.L.
P-36	02290828	N25°32'30"	W80°47'00"	2/68	Present	W.L.
P-37	02290810	N25°17'30"	W80°40'30"	1/53	Present	W.L.
P-38	02290820	N25°22'22"	W80°50'01"	1/53	Present	W.L.
			ERTS STATIONS			
NP 201	02290861	N25°43'05"	W80°43'33"	10/74	Present	W.L., RF
NP 202	02290862	N25°37'25"	W80°44'22"	1/75	Present	W.L., RF
NP 203	02290832	N25°38'54"	W80°41'18"	10/73	Present	W.L., RF, T
NP 204	02290829	N25°32'12"	W80°47'06"	10/73	Present	W.L., RF
NP 205	02290868	N25°42'36"	W80°50'23"	10/74	Present	W.L., RF
NP 206	02290811	N25°31'42"	W80°40'29"	10/74	Present	W.L., RF
NP 207	02290810	N25°17'30"	W80°40'30"	1/76	Present	W.L., RF
			ADDITIONAL PARK STATIONS			
NP-44	none	N25°25'45"	W80°43'10"	1961	Present	W.L.
NP-62	none	N25°26'10"	W80°47'00"	1964	Present	W.L.
Taylor Slough at Bridge	02290800	N25°24'05"	W80°36'25"	9/60	Present	W.L.

Station	USGS Designation	Location Lat.	Long.	Period of Record From	To	Parameters*
Headquarters Pond	none	N25°23'30"	W80°34'45"	9/65	Present	W.L.
Florida Bay at Flamingo	02290825	N25°08'37"	W80°55'15"	8/60	Present	Gage Height (Tide)
Tamiami Canal Outlets: L-67-A to 40 Mile Bend	02289040	N25°45'42"	W80°43'34"	11/39	Present	W.L., Q
Tamiami Canal Outlets: L-30 to L-67-A	02289060	N25°45'40"	W80°33'40"	11/39	Present	W.L., Q
N.E. Shark Slough #1	254130	N25°41'30"	W80°38'05"	7/76	Present	W.L.
N.E. Shark Slough #2	254315080331500	N25°43'15"	W80°33'15"	7/76	Present	W.L.
L-67 ext: South End	253735080402100	N25°37'35"	W80°40'21"	6/76	Present	W.L.
L-67-ext: Near Richmond	02290827	N25°39'54"	W80°40'24"	6/71	Present	W.L.
Shark Slough in Conserv. 3B NR Coopertown	254754080344300	N25°47'54"	W80°34'43"	8/76	Present	W.L.
NP-46	251910080474601	N25°19'10"	W80°47'46"	1964	Present	W.L.
NP-72	252345080421201	N25°23'45"	W80°42'12"	1964	Present	W.L.
NP-67	251950080390201	N25°19'50"	W80°39'02"	12/62	Present	W.L.

*WL -Water level; RF - Rainfall; T - Temperature

Data Collected by Everglades National Park

Record Collected Infrequently (Discontinuous)

Station	USGS Designation	Location Latitude	Location Longitude	Water Level Period of Record From	Water Level Period of Record To	Rainfall Period of Record From	Rainfall Period of Record To
E-1	none	N25°38'45"	W80°45'20"	12/15/71	Present	11/15/73	Present
E-2	none	N25°38'10"	W80°43'58"	"	"	"	"
E-3	none	N25°37'45"	W80°43'00"	"	"	"	"
E-4	none	N25°37'15"	W80°42'30"	"	"	"	"
E-5	none	N25°37'00"	W80°44'30"	"	"	"	"
E-6	none	N25°36'15"	W80°44'32"	"	"	"	"
E-7	none	N25°35'40"	W80°45'00"	"	"	"	"
E-8	none	N25°35'07"	W80°45'58"	"	"	"	"
E-9	none	N25°34'34"	W80°46'02"	"	"	"	"
E-10	none	N25°33'39"	W80°46'32"	"	"	"	"
E-11	none	N25°33'00"	W80°47'02"	"	"	"	"
E-12	none	N25°32'08"	W80°47'32"	"	"	"	"
E-13	none	N25°31'30"	W80°47'43"	"	"	"	"
E-14	None	N25°31'04"	W80°48'20"	"	"	"	"
E-15	none	N25°30'25"	W80°48'57"	"	"	"	"
E-16	none	N25°30'42"	W80°49'12"	"	"	"	"
E-17	none	N25°29'47"	W80°49'40"	"	"	"	"
E-18	none	N25°27'38"	W80°51'53"	"	"	"	"
E-19	none	N25°29'00"	W80°50'00"	12/15/71	Present	none	none
E-20	none	N25°43'00"	W80°40'23"	12/20/67	Present	none	none

Station	USGS Designation	Location Latitude	Location Longitude	Water Level Period of Record From	Water Level Period of Record To	Rainfall Period of Record From	Rainfall Period of Record To
E-21	none	N25°43'00"	W80°40'19"	"	"	"	"
E-22	none	N25°42'04"	W80°40'25"	"	"	"	"
E-23	none	N25°42'04"	W80°40'21"	"	"	"	"
E-24	none	N25°39'56"	W80°40'27"	"	"	"	"
E-25	none	N25°39'54"	W80°40'27"	"	"	"	"
E-26	none	N25°36'27"	W80°40'20"	12/20/67	Present	none	none
E-27	none	N25°44'40"	W80°50'07"	3/9/77	Present	none	none
E-28	none	N25°43'43"	W80°50'18"	3/8/77	"	"	"
E-29	none	N25°32'45"	W80°50'40"	3/9/77	"	"	"
E-30	none	N25°41'48"	W80°51'00"	3/8/77	"	"	"
E-31	none	N25°41'17"	W80°51'29"	3/8/77	"	"	"
E-32	none	N25°41'08"	W80°51'29"	3/8/77	"	"	"
E-33	none	N25°40'23"	W80°51'29"	3/9/77	"	"	"
E-34	none	N25°39'36"	W80°51'29"	3/9/77	"	"	"
E-35	none	N25°38'45"	W80°51'29"	3/8/77	"	"	"
E-36	none	N25°37'56"	W80°51'29"	3/9/77	"	"	"
E-37	none	N25°36'54"	W80°51'29"	3/10/77	"	"	"
E-39	none	N25°36'54"	W80°53'27"	3/10/77	"	"	"
E-40	none	N25°36'54"	W80°54'27"	3/10/77	"	"	"
E-41	none	N25°36'54"	W80°55'27"	3/10/77	"	"	"
E-42	none	N25°43'23"	W80°44'35"	3/15/77	"	"	"
E-43	none	N25°43'22"	W80°43'23"	"	"	"	"
E-44	none	N25°42'11"	W80°42'58"	"	"	"	"
E-45	none	N25°41'23"	W80°42'35"	"	"	"	"

Station	USGS Designation	Location Latitude	Location Longitude	Water Level Period of Record From	Water Level Period of Record To	Rainfall Period of Record From	Rainfall Period of Record To
E-21	none	N25°43'00"	W80°40'19"	"	"	"	"
E-22	none	N25°42'04"	W80°40'25"	"	"	"	"
E-23	none	N25°42'04"	W80°40'21"	"	"	"	"
E-24	none	N25°39'56"	W80°40'27"	"	"	"	"
E-25	none	N25°39'54"	W80°40'27"	"	"	"	"
E-26	none	N25°36'27"	W80°40'20"	12/20/67	Present	none	none
E-27	none	N25°44'40"	W80°50'07"	3/9/77	Present	none	none
E-28	none	N25°43'43"	W80°50'18"	3/8/77	"	"	"
E-29	none	N25°32'45"	W80°50'40"	3/9/77	"	"	"
E-30	none	N25°41'48"	W80°51'00"	3/8/77	"	"	"
E-31	none	N25°41'17"	W80°51'29"	3/8/77	"	"	"
E-32	none	N25°41'08"	W80°51'29"	3/8/77	"	"	"
E-33	none	N25°40'23"	W80°51'29"	3/9/77	"	"	"
E-34	none	N25°39'36"	W80°51'29"	3/9/77	"	"	"
E-35	none	N25°38'45"	W80°51'29"	3/8/77	"	"	"
E-36	none	N25°37'56"	W80°51'29"	3/9/77	"	"	"
E-37	none	N25°36'54"	W80°51'29"	3/10/77	"	"	"
E-39	none	N25°36'54"	W80°53'27"	3/10/77	"	"	"
E-40	none	N25°36'54"	W80°54'27"	3/10/77	"	"	"
E-41	none	N25°36'54"	W80°55'27"	3/10/77	"	"	"
E-42	none	N25°43'23"	W80°44'35"	3/15/77	"	"	"
E-43	none	N25°43'22"	W80°43'23"	"	"	"	"
E-44	none	N25°42'11"	W80°42'58"	"	"	"	"
E-45	none	N25°41'23"	W80°42'35"	"	"	"	"

Station	USGS Designation	Location Latitude	Location Longitude	Water Level Period of Record From	Water Level Period of Record To	Rainfall Period of Record From	Rainfall Period of Record To
E-46	none	N25°40'27"	W80°42'52"	"	"	"	"
E-47	none	N25°38'52"	W80°42'28"	"	"	"	"
E-48	none	N25°37'58"	W80°42'09"	"	"	"	"
E-49	none	N25°36'40"	W80°40'20"	"	"	"	"
E-50	none	N25°35'47"	W80°40'20"	"	"	"	"
E-51	none	N25°34'52"	W80°40'20"	"	"	"	"
E-52	none	N25°34'00"	W80°40'20"	3/15/77	"	"	"
E-53	none	N25°32'53"	W80°40'20"	3/15/77	Present	none	none
E-54	none	N25°44'48"	W80°33'36"	3/14/77	"	"	"
E-55	none	N25°43'58"	W80°33'36"	3/14/77	"	"	"
E-56	none	N25°42'50"	W80°34'30"	3/15/77	"	"	"
E-57	none	N25°42'35"	W80°35'23"	"	"	"	"
E-58	none	N25°42'25"	W80°36'05"	"	"	"	"
E-59	none	N25°41'57"	W80°37'04"	"	"	"	"
E-61	none	N25°40'10"	W80°39'05"	"	"	"	"
E-62	none	N25°39'35"	W80°39'30"	"	"	"	"
E-63	none	N25°38'25"	W80°40'00"	"	"	"	"
E-64	none	N25°37'40"	W80°40'10"	"	"	"	"
E-65	none	n.a.	n.a.	"	"	"	"

WATER LEVEL DATA

EVERGLADES NATIONAL PARK HYDROLOGIC STATION P-33

1977

Day	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	6.26	6.12	5.99	5.64	5.06	5.48	5.64	5.72	6.00	6.24	6.22	7.31
2	6.25	6.12	5.97	5.62	5.01	5.66	5.62	5.71	6.16	6.23	6.22	7.30
3	6.27	6.12	5.76	5.60	4.97	5.80	5.60	5.70	6.25	6.22	6.22	7.27
4	6.28	6.10	5.95	5.59	5.15	5.82	5.58	5.69	6.30	6.20	6.22	7.27
5	6.27	6.09	5.94	5.57	5.32	5.79	5.57	5.69	6.36	6.19	6.26	7.27
6	6.26	6.08	5.93	5.55	5.29	5.77	5.59	5.70	6.37	6.18	6.27	7.29
7	6.25	6.07	5.92	5.53	6.29	6.75	5.63	5.71	6.40	6.18	6.27	7.31
8	6.24	6.07	5.91	5.51	5.28	5.74	5.64	5.72	6.40	6.18	6.27	7.30
9	6.23	6.06	5.90	5.48	5.24	5.75	5.65	5.75	6.46	6.18	6.27	7.28
10	6.23	5.86	5.91	5.46	5.34	5.77	5.64	5.75	6.41	6.17	6.27	7.28
11	6.22	6.05	5.91	5.50	5.58	5.76	5.63	5.74	6.41	6.17	6.26	7.28
12	6.21	6.04	5.90	5.51	5.63	5.75	5.62	5.80	6.38	6.16	6.25	7.28
13	6.19	6.03	5.89	5.54	5.65	5.77	5.61	5.88	6.37	6.16	6.25	7.28
14	6.19	6.05	5.88	5.52	5.65	5.79	5.59	5.89	6.37	6.15	6.24	7.26
15	6.21	6.12	5.86	5.49	5.63	5.78	5.59	5.87	6.34	6.15	6.24	7.26
16	6.24	6.13	5.85	5.47	5.62	5.76	5.60	5.86	6.32	6.15	7.23	7.26
17	6.24	6.11	5.84	5.45	5.60	5.74	5.63	5.86	6.31	6.15	7.23	7.30
18	6.23	6.11	5.83	5.42	5.59	5.72	5.66	5.88	6.29	6.14	7.23	7.34
19	6.22	6.10	5.81	5.40	5.57	5.71	5.66	5.87	6.28	6.15	7.23	7.33
20	6.21	6.09	5.80	5.37	5.55	5.72	5.66	5.86	6.29	6.15	7.23	7.32
21	6.20	6.08	5.79	5.35	5.53	5.78	5.64	5.85	6.28	6.15	7.23	7.29
22	6.19	6.08	5.78	5.32	5.51	5.76	5.63	5.83	6.27	6.17	7.26	7.27
23	6.18	6.07	5.76	5.29	5.48	5.74	5.66	5.86	6.26	6.21	7.27	7.26
24	6.18	6.07	5.74	5.31	5.46	5.73	5.78	5.86	6.25	6.21	7.31	7.25
25	6.17	6.06	5.73	5.32	5.45	5.71	5.78	5.84	6.24	6.21	7.35	7.24
26	6.16	5.98	5.72	5.27	5.46	5.69	5.78	5.83	6.24	6.21	7.35	7.23
27	6.16	5.98	5.71	5.23	5.48	5.67	5.79	5.83	6.27	6.22	7.34	7.22
28	6.15	5.99	5.69	5.19	5.46	5.65	5.76	5.84	6.28	6.21	7.33	7.21
29	6.14	---	5.68	5.15	5.43	5.65	5.75	5.83	6.27	6.21	7.32	7.20
30	6.14	---	5.67	5.10	5.40	5.65	5.73	5.89	6.26	6.22	7.32	7.18
31	6.13	---	5.65	---	5.41	---	5.73	5.99	---	6.22	---	7.18
Mean	6.21	6.07	5.83	5.43	5.42	5.73	5.66	5.81	6.30	6.19	6.77	7.27
Max	6.28	6.13	5.99	5.64	5.65	5.82	5.79	5.99	6.46	6.24	7.35	7.34
Min	6.13	5.98	5.65	5.10	4.97	5.48	5.57	5.69	6.00	6.14	6.22	7.18

EVERGLADES NATIONAL PARK HYDROLOGIC STATION P-34

1977

DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.65	1.52	1.25	.03	-.56	.51	.69	1.80	2.10	1.86	1.05	1.42
2	1.63	1.53	1.21	-.03	-.61	.61	.67	1.79	2.15	1.85	1.02	1.42
3	1.67	1.52	1.18	-.10	-.66	.67	.67	1.79	2.20	1.80	1.01	1.42
4	1.69	1.51	1.16	-.16	-.58	.65	.59	1.78	2.30	1.78	1.01	1.42
5	1.68	1.49	1.14	-.22	-.31	.62	.53	1.77	2.35	1.75	1.05	1.43
6	1.67	1.47	1.11	-.29	.33	.59	.56	1.78	2.40	1.72	1.02	1.45
7	1.66	1.45	1.08	-.34	1.01	.54	.68	1.78	2.40	1.68	.99	1.47
8	1.65	1.44	1.04	-.39	1.00	.50	.82	1.76	2.35	1.64	.96	1.46
9	1.64	1.43	1.02	-.45	.87	.64	1.08	1.75	2.30	1.60	.94	1.46
10	1.63	1.41	1.01	-.51	1.01	.87	1.20	1.72	2.25	1.57	.93	1.48
11	1.62	1.39	.99	-.51	1.22	.77	1.14	1.70	2.25	1.53	.88	1.47
12	1.61	1.36	.96	.00	1.21	.66	1.11	1.76	2.20	1.49	.84	1.47
13	1.60	1.34	.93	.00	1.10	.61	1.10	1.86	2.20	1.46	.81	1.46
14	1.58	1.37	.90	-.08	1.00	.56	1.10	1.95	2.20	1.43	.79	1.49
15	1.61	1.48	.87	-.14	.91	.51	1.15	1.95	2.20	1.40	.77	1.48
16	1.65	1.48	.82	-.19	.83	.47	1.31	1.95	2.20	1.37	.76	1.47
17	1.66	1.46	.80	-.24	.75	.41	1.43	1.95	2.20	1.35	.75	1.52
18	1.65	1.45	.76	-.29	.67	.40	1.55	1.90	2.20	1.32	.73	1.56
19	1.64	1.45	.71	-.34	.61	.55	1.55	1.90	2.20	1.30	.88	1.54
20	1.63	1.43	.67	-.40	.54	.69	1.54	1.95	2.20	1.28	.69	1.53
21	1.62	1.41	.62	-.46	.47	.65	1.53	1.95	2.25	1.25	.87	1.52
22	1.61	1.38	.57	-.51	.41	.67	1.59	1.95	2.25	1.26	.98	1.51
23	1.60	1.36	.52	-.54	.35	.64	1.76	1.90	2.25	1.27	.94	1.50
24	1.59	1.34	.45	-.43	.29	.60	1.80	1.90	2.25	1.25	1.12	1.49
25	1.58	1.31	.41	-.17	.43	.55	1.82	1.90	2.25	1.23	1.25	1.49
26	1.57	1.28	.37	-.17	.73	.52	1.80	1.90	2.25	1.21	1.26	1.48
27	1.56	1.26	.31	-.24	.81	.44	1.80	1.90	2.25	1.18	1.34	1.47
28	1.55	1.25	.25	-.32	.70	.44	1.78	1.90	2.20	1.15	1.38	1.46
29	1.55	---	.19	-.40	.60	.55	1.77	1.95	2.20	1.12	1.40	1.45
30	1.54	---	.14	-.49	.52	.69	1.79	2.00	2.20	1.10	1.41	1.45
31	1.53	---	.09	---	.48	---	1.82	2.05	---	1.08	---	1.44
Mean	1.62	1.41	.76	-.28	.52	.59	1.28	1.87	2.24	1.43	1.00	1.47
Max	1.69	1.53	1.25	.03	1.22	.87	1.82	2.05	2.40	1.86	1.41	1.56
Min	1.53	1.25	.09	-.54	-.66	.40	.53	1.70	2.10	1.08	.73	1.42

EVERGLADES NATIONAL PARK HYDROLOGIC STATION P-35

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.34	.84	.60	.55	.48	1.46	1.26	1.35	1.49	2.35	1.27	1.40
2	1.21	.64	.35	.67	.45	1.64	1.21	1.32	1.79	2.31	1.32	1.44
3	1.30	.63	.44	.73	.48	1.70	1.19	1.27	2.06	2.27	1.39	1.40
4	1.40	.87	.74	.74	.85	1.67	1.16	1.20	2.14	2.20	1.45	1.34
5	1.35	1.13	1.01	.97	.99	1.60	1.15	1.06	2.28	2.03	1.54	1.39
6	1.32	1.09	1.11	1.05	1.18	1.58	1.20	1.15	2.33	1.94	1.56	1.55
7	1.37	.84	1.14	.61	1.28	1.62	1.24	1.29	2.36	1.85	1.57	1.59
8	1.36	.63	1.01	.20	1.26	1.65	1.29	1.27	2.38	1.79	1.59	1.37
9	1.33	.58	.65	1.8	1.26	1.65	1.25	1.25	2.37	1.60	1.60	1.36
10	1.42	.57	.68	.26	1.32	1.66	1.18	1.25	2.34	1.82	1.62	1.48
11	1.31	.54	.83	.34	1.27	1.57	1.17	1.34	2.33	1.82	1.61	1.37
12	1.07	.58	.83	.04	1.27	1.48	1.13	1.44	2.32	1.82	1.44	1.33
13	.83	.77	.82	.15	1.26	1.45	1.12	1.49	2.29	1.81	1.35	1.37
14	1.01	.98	.89	.42	1.26	1.43	1.15	1.53	2.27	1.75	1.31	1.48
15	1.32	1.10	.95	.62	1.26	1.38	1.17	1.48	2.25	1.66	1.32	1.56
16	1.43	1.13	.94	.77	1.12	1.37	1.21	1.42	2.25	1.62	1.34	1.54
17	1.35	1.09	.96	.78	.88	1.34	1.22	1.41	2.23	1.54	1.41	1.64
18	1.28	.87	1.05	.72	.71	1.35	1.27	1.42	2.21	1.40	1.39	1.75
19	1.34	.84	1.16	.66	.80	1.34	1.27	1.41	2.20	1.34	1.32	1.70
20	1.23	.98	1.15	.66	.91	1.31	1.26	1.40	2.19	1.32	1.28	1.62
21	1.19	1.00	1.06	.57	.84	1.26	1.26	1.40	2.21	1.27	1.27	1.63
22	1.09	.78	1.01	.41	.75	1.24	1.26	1.39	2.20	1.23	1.25	1.61
23	.97	.67	.92	.44	.95	1.18	1.29	1.35	2.18	1.18	1.28	1.41
24	.99	.82	.56	.83	1.23	1.15	1.27	1.31	2.17	1.31	1.47	1.35
25	1.16	.87	.44	1.14	1.27	1.14	1.29	1.29	2.17	1.39	1.61	1.43
26	1.10	.63	.38	1.11	1.26	1.16	1.25	1.26	2.19	1.47	1.63	1.56
27	.99	.69	.24	.94	1.31	1.19	1.24	1.24	2.28	1.51	1.51	1.45
28	1.09	.97	.20	.56	1.35	1.17	1.24	1.28	2.34	1.50	1.37	1.24
29	1.20	---	.38	.44	1.38	1.20	1.25	1.33	2.34	1.48	1.32	1.27
30	.88	---	.44	.47	1.37	1.24	1.27	1.37	2.38	1.43	1.34	1.36
31	.78	---	.45	---	1.38	000	1.32	1.43	000	1.34	000	1.44
Mean	1.19	.83	.75	.60	1.08	1.41	1.23	1.34	2.22	1.66	1.42	1.47
Max	1.43	1.13	1.16	1.14	1.38	1.70	1.32	1.53	2.38	2.35	1.63	1.75
Min	.78	.54	.20	.04	.45	1.14	1.12	1.06	1.49	1.16	1.25	1.24

EVERGLADES NATIONAL PARK HYDROLOGIC STATION P-36

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.56	3.48	3.39	3.00	2.21	2.78	2.95	3.01	3.47	3.73	3.44	3.65
2	3.56	3.48	3.37	2.98	2.16	3.02	2.92	3.00	3.64	3.70	3.44	3.64
3	3.58	3.47	3.36	2.96	2.11	3.10	2.90	3.00	3.83	3.67	3.44	3.63
4	3.63	3.47	3.35	2.94	2.11	3.11	2.88	2.99	3.87	3.64	3.44	3.62
5	3.62	3.46	3.35	2.92	2.51	3.08	2.85	2.99	3.97	3.60	3.51	3.61
6	3.61	3.44	3.34	2.90	2.66	3.07	2.86	3.01	3.99	3.58	3.53	3.63
7	3.60	3.43	3.32	2.88	2.73	3.06	2.87	3.01	3.93	3.58	3.52	3.66
8	3.60	3.42	3.31	2.85	2.74	3.05	2.68	3.03	3.92	3.56	3.52	3.64
9	3.59	3.42	3.30	2.82	2.71	3.05	2.89	3.06	3.91	3.54	3.52	3.64
10	3.58	3.41	3.29	2.79	2.65	3.06	2.90	3.13	3.89	3.53	3.52	3.67
11	3.58	3.40	3.29	2.79	2.89	3.07	2.91	3.19	3.89	3.51	3.52	3.65
12	3.56	3.40	3.26	2.83	2.91	3.04	2.91	3.21	3.87	3.50	3.51	3.63
13	3.55	3.40	3.27	2.74	2.92	3.08	2.92	3.24	3.86	3.48	3.50	3.62
14	3.54	3.39	3.26	2.71	2.93	3.09	2.92	3.25	3.84	3.46	3.50	3.61
15	3.56	3.44	3.25	2.67	2.94	3.11	2.93	3.23	3.83	3.45	3.50	3.60
16	3.59	3.45	3.24	2.62	2.93	3.08	2.92	3.21	3.83	3.43	3.49	3.60
17	3.59	3.43	3.23	2.59	2.91	3.06	2.91	3.20	3.83	3.42	3.49	3.65
18	3.58	3.43	3.22	2.55	2.88	3.02	2.94	3.23	3.82	3.41	3.49	3.69
19	3.57	3.42	3.21	2.52	2.85	3.03	2.95	3.23	3.81	3.41	3.49	3.68
20	3.57	3.42	3.20	2.50	2.82	3.05	2.92	3.23	3.80	3.40	3.49	3.68
21	3.55	3.41	3.19	2.47	2.80	3.06	2.93	3.22	3.80	3.39	3.49	3.67
22	3.54	3.40	3.18	2.52	2.79	3.05	2.93	3.21	3.84	3.40	3.51	3.66
23	3.53	3.39	3.16	2.52	2.78	3.06	2.95	3.22	3.85	3.42	3.51	3.64
24	3.53	3.38	3.14	2.57	2.77	3.01	3.01	3.21	3.83	3.42	3.58	3.63
25	3.52	3.37	3.12	2.53	2.75	3.04	3.07	3.20	3.80	3.42	3.66	3.62
26	3.51	3.36	3.11	2.48	2.74	3.03	3.08	3.19	3.79	3.44	3.67	3.61
27	3.51	3.35	3.09	2.42	2.73	3.02	3.09	3.18	3.81	3.44	3.67	3.60
28	3.50	3.38	3.07	2.37	2.72	3.01	3.07	3.19	3.79	3.44	3.67	3.58
29	3.50	---	3.05	2.31	2.71	3.01	3.03	3.20	3.77	3.44	3.67	3.57
30	3.50	---	3.03	2.26	2.71	2.97	3.01	3.26	3.76	3.44	3.66	3.56
31	3.49	---	3.02	---	2.70	---	3.00	3.43	---	3.44	---	3.55
Mean	3.56	3.42	3.23	2.67	2.70	3.04	2.95	3.16	3.83	3.49	3.53	3.63
Max	3.63	3.48	3.39	3.00	2.94	3.11	3.09	3.43	3.99	3.73	3.67	3.69
Min	3.49	3.35	3.02	2.26	2.11	2.78	2.85	2.99	3.47	3.39	3.44	3.55

EVERGLADES NATIONAL PARK HYDROLOGIC STATION P-37

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Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.01	.87	.91	.21	-.33	1.28	1.20	1.06	1.53	1.75	1.36	1.30
2	1.00	.85	.88	.18	-.39	1.70	1.17	1.02	1.67	1.75	1.35	1.30
3	.98	.85	.85	.14	-.46	1.89	1.15	1.04	1.85	1.74	1.33	1.30
4	.97	.99	.87	.10	-.49	1.88	1.12	1.06	1.86	1.71	1.32	1.29
5	1.02	1.10	.86	.06	-.56	1.88	1.16	1.03	1.85	1.66	1.31	1.28
6	1.10	1.09	.85	.01	-.32	1.87	1.22	1.08	1.83	1.64	1.31	1.28
7	1.10	1.06	.83	-.04	1.02	1.86	1.22	1.13	1.81	1.64	1.31	1.28
8	1.10	1.05	.81	-.07	.97	1.86	1.20	1.13	1.80	1.61	1.29	1.28
9	1.08	1.04	.80	-.12	.91	1.86	1.18	1.15	1.78	1.58	1.28	1.27
10	1.05	1.00	.79	-.17	.86	1.87	1.15	1.14	1.75	1.57	1.26	1.26
11	1.04	.99	.94	.24	1.38	1.83	1.14	1.12	1.72	1.56	1.24	1.25
12	1.02	.95	.94	.49	1.32	1.78	1.11	1.12	1.73	1.54	1.22	1.24
13	1.02	.94	.93	.49	1.24	1.74	1.09	1.15	1.74	1.52	1.19	1.23
14	1.02	.93	.90	.42	1.17	1.70	1.97	1.17	1.74	1.49	1.18	1.23
15	1.02	.90	.88	.35	1.12	1.67	1.12	1.15	1.72	1.47	1.17	1.23
16	1.02	.89	.84	.29	1.09	1.63	1.16	1.14	1.77	1.45	1.16	1.22
17	1.02	.88	.80	.22	1.07	1.59	1.19	1.13	1.79	1.42	1.15	1.39
18	1.00	.89	.72	.14	1.04	1.56	1.19	1.11	1.78	1.40	1.13	1.55
19	1.03	.86	.57	.07	1.02	1.54	1.22	1.09	1.76	1.38	1.12	1.56
20	1.01	.84	.54	.01	1.01	1.51	1.24	1.08	1.77	1.37	1.11	1.54
21	1.00	.83	.52	-.05	.99	1.48	1.21	1.05	1.75	1.35	1.10	1.51
22	.99	.82	.50	-.11	.97	1.45	1.18	1.09	1.74	1.40	1.11	1.49
23	.97	.81	.47	.08	.94	1.42	1.17	1.23	1.73	1.49	1.10	1.47
24	.96	.80	.44	.12	.93	1.40	1.19	1.21	1.73	1.51	1.21	1.46
25	.95	.77	.41	.03	.92	1.37	1.20	1.19	1.73	1.51	1.29	1.45
26	.93	.75	.38	-.06	.93	1.34	1.18	1.16	1.73	1.48	1.31	1.45
27	.91	.75	.35	-.08	1.17	1.29	1.16	1.17	1.73	1.46	1.31	1.43
28	.90	.93	.32	-.12	1.36	1.27	1.13	1.24	1.73	1.44	1.31	1.41
29	.90	---	.31	-.18	1.33	1.24	1.11	1.25	1.73	1.42	1.32	1.39
30	.90	---	.29	-.26	1.27	1.22	1.09	1.31	1.74	1.40	1.33	1.39
31	.88	---	.26	---	1.24	---	1.07	1.51	---	1.38	---	1.37
Mean	1.00	.91	.67	.08	.60	1.60	1.16	1.15	1.75	1.52	1.24	1.36
Max	1.10	1.10	.94	.49	1.38	1.89	1.24	1.51	1.86	1.75	1.36	1.56
Min	.88	.75	.26	-.26	-.56	1.22	1.07	1.02	1.53	1.35	1.10	1.22

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Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
1	1.17	.87	1.06	.01	-1.01	.67	1.11	1.17	1.57	2.05	1.33
2	1.17	.88	1.04	-.04	-1.05	1.08	1.09	1.14	1.74	2.04	1.33
3	1.17	.95	1.02	-.09	-1.08	1.60	1.06	1.12	1.85	2.04	1.32
4	1.17	1.05	1.01	-.14	-.40	1.75	1.03	1.10	1.89	2.02	1.31
5	1.16	1.13	.99	-.18	.54	1.79	1.03	1.10	1.98	1.96	1.34
6	1.15	1.14	.97	-.24	.48	1.79	1.08	1.15	2.00	1.92	1.35
7	1.14	1.15	.95	-.28	.44	1.77	1.09	1.29	2.01	1.89	1.34
8	1.14	1.15	.93	-.32	.41	1.75	1.11	1.32	2.06	1.84	1.35
9	1.13	1.14	.91	-.37	.36	1.71	1.13	1.32	2.06	1.80	1.35
10	1.13	1.13	.90	-.43	.37	1.68	1.14	1.30	2.06	1.77	1.36
11	1.11	1.13	.88	-.44	.76	1.65	1.17	1.33	2.03	1.73	1.36
12	1.10	1.12	.86	-.45	.96	1.62	1.17	1.38	2.00	1.70	1.35
13	1.09	1.11	.83	-.48	.98	1.58	1.16	1.40	1.99	1.67	1.34
14	1.09	1.10	.81	-.51	.97	1.55	1.14	1.41	1.98	1.64	1.33
15	1.07	1.11	.78	-.55	.95	1.52	1.18	1.39	1.96	1.61	1.32
16	1.06	1.13	.74	-.59	.93	1.51	1.23	1.37	1.97	1.59	1.30
17	1.05	1.12	.71	-.62	.91	1.48	1.25	1.35	1.95	1.56	1.29
18	1.04	1.11	.67	-.67	.88	1.45	1.23	1.34	1.94	1.53	1.28
19	1.02	1.11	.63	-.71	.86	1.42	1.24	1.33	1.96	1.50	1.27
20	1.01	1.10	.59	-.74	.85	1.39	1.27	1.31	1.95	1.48	1.25
21	.99	1.08	.55	-.75	.81	1.35	1.24	1.30	1.93	1.45	1.24
22	.96	1.06	.50	-.78	.77	1.32	1.23	1.28	1.93	1.46	1.23
23	.96	1.05	.45	-.78	.74	1.30	1.24	1.27	1.91	1.49	1.22
24	.95	1.04	.39	-.78	.69	1.26	1.29	1.25	1.89	1.47	1.28
25	.95	1.02	.34	-.76	.65	1.25	1.30	1.23	1.91	1.45	---
26	.95	1.00	.30	-.81	.63	1.20	1.29	1.22	1.92	1.44	---
27	.94	.99	.24	-.85	.62	1.18	1.27	1.25	1.94	1.41	---
28	.92	1.06	.19	-.88	.62	1.17	1.25	1.30	1.97	1.39	---
29	.91	---	.14	-.93	.57	1.14	1.23	1.31	2.01	1.38	---
30	.90	---	.09	-.97	.51	1.14	1.21	1.35	2.04	1.36	---
31	.88	---	.05	---	.47	---	1.19	1.50	---	1.35	---
Mean	1.05	1.07	.66	-.54	.49	1.44	1.18	1.29	1.95	1.64	---
Max	1.17	1.15	1.06	.01	.98	1.79	1.30	1.50	2.06	2.05	---
Min	.88	.87	.05	-.97	-1.08	.67	1.03	1.10	1.57	1.35	

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Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.35	7.19	7.03	6.67	4.77	6.62	6.89	6.95	7.05	7.45	7.57	7.56
2	7.34	7.20	7.02	6.64	4.71	6.79	6.88	6.93	7.12	7.46	7.57	7.55
3	7.36	7.19	7.01	6.60	4.66	6.88	6.86	6.91	7.19	7.48	7.57	7.54
4	7.39	7.19	7.01	6.56	5.20	6.88	6.85	6.91	7.25	7.48	7.58	7.53
5	7.37	7.18	7.01	6.56	6.12	6.84	6.84	6.90	7.35	7.48	7.64	7.52
6	7.36	7.16	7.00	6.48	6.88	6.81	6.84	6.94	7.36	7.49	7.64	7.55
7	7.35	7.14	6.99	6.44	6.93	6.79	6.86	6.97	7.37	7.50	7.62	7.56
8	7.34	7.14	6.98	6.40	6.93	6.78	6.90	6.96	7.37	7.50	7.62	7.54
9	7.33	7.13	6.98	6.36	6.99	6.79	6.90	6.95	7.36	7.51	7.61	7.53
10	7.33	7.12	6.98	6.32	7.04	6.83	6.92	6.93	7.34	7.52	7.60	7.55
11	7.32	7.12	6.98	6.25	7.09	6.83	6.95	6.95	7.32	7.52	7.59	7.52
12	7.31	7.11	6.98	6.19	7.02	6.84	6.93	7.01	7.29	7.52	7.58	7.49
13	7.29	7.11	6.97	6.00	6.96	6.85	6.91	7.04	7.28	7.53	5.57	7.46
14	7.29	7.12	6.96	5.94	6.91	6.84	6.89	7.02	7.27	7.52	7.57	7.45
15	7.32	7.18	6.95	5.87	6.87	6.84	6.88	6.98	7.28	7.52	7.57	7.43
16	7.37	7.18	6.94	5.80	6.84	6.83	6.90	6.98	7.29	7.53	7.57	7.42
17	7.37	7.16	6.93	5.72	6.80	6.82	6.92	6.99	7.28	7.53	7.56	7.45
18	7.35	7.15	6.92	5.63	6.78	6.81	6.91	6.98	7.27	7.53	7.55	7.47
19	7.34	7.13	6.91	5.54	6.75	6.80	6.91	6.99	7.26	7.53	7.55	7.44
20	7.31	7.12	6.90	5.46	6.73	6.80	6.89	7.01	7.27	7.54	7.54	7.41
21	7.29	7.10	6.89	5.38	6.70	6.83	6.88	6.99	7.27	7.54	7.53	7.40
22	7.27	7.09	6.87	5.31	6.66	6.85	6.86	6.98	7.27	7.56	7.54	7.37
23	7.25	7.08	6.86	5.24	6.62	6.87	6.92	6.96	7.28	7.58	7.54	7.35
24	7.24	7.07	6.84	5.19	6.57	6.86	7.12	6.95	7.31	7.58	7.61	7.33
25	7.23	7.05	6.82	5.15	6.53	6.85	7.08	6.94	7.31	7.58	7.64	7.32
26	7.21	7.04	6.81	5.08	6.55	6.84	7.03	6.92	7.31	7.59	7.62	7.31
27	7.20	7.04	6.79	5.01	6.63	6.83	6.99	6.93	7.33	7.58	7.59	7.29
28	7.20	7.03	6.77	4.95	6.65	6.82	6.95	6.93	7.35	7.58	7.58	7.27
29	7.21	---	6.74	4.89	6.60	6.82	6.93	6.94	7.40	7.58	7.57	7.26
30	7.21	---	6.72	4.83	6.53	6.85	6.94	6.95	7.43	7.58	7.57	7.26
31	7.20	---	6.70	---	6.52	---	6.97	7.01	---	7.58	---	7.26
Mean	7.30	7.13	6.91	5.82	6.50	6.82	6.92	6.96	7.29	7.53	7.58	7.43
Max	7.39	7.20	7.03	6.67	7.09	6.86	7.12	7.04	7.43	7.59	7.64	7.56
Min	7.20	7.03	6.70	4.83	4.66	6.62	6.84	6.90	7.05	7.45	7.53	7.26

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Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.50	6.33	6.13	5.69	5.29	5.84	5.95	6.04	6.18	6.44	6.64	6.67
2	6.49	6.33	6.11	5.68	5.27	5.96	5.94	6.05	6.30	6.44	6.63	6.66
3	6.51	6.33	6.09	5.66	5.24	6.05	5.93	6.06	6.41	6.46	6.63	6.65
4	6.52	6.32	6.08	5.65	5.38	6.08	5.90	6.07	6.44	6.47	6.64	6.63
5	6.51	6.31	6.07	5.63	5.48	6.06	5.87	6.08	6.49	6.47	6.70	6.62
6	6.50	6.29	6.05	5.62	5.53	6.06	5.89	6.06	6.52	6.48	6.71	6.64
7	6.50	6.28	6.04	5.60	5.53	6.05	5.90	6.03	6.54	6.50	6.70	6.66
8	6.49	6.27	6.02	5.59	5.52	6.04	5.92	5.98	6.52	6.50	6.70	6.65
9	6.48	6.26	6.01	5.57	5.51	6.04	5.95	5.97	6.52	6.51	6.70	6.64
10	6.47	6.25	5.99	5.56	5.63	6.06	5.99	5.96	6.50	6.52	6.69	6.64
11	6.46	6.23	5.97	5.57	5.85	6.06	6.00	5.94	6.48	6.52	6.68	6.64
12	6.45	6.22	5.95	5.57	5.94	6.05	6.01	6.02	6.45	6.53	6.66	6.63
13	6.44	6.21	5.94	5.58	5.97	6.03	6.02	6.13	6.44	6.54	6.65	6.61
14	6.43	6.23	5.92	5.58	5.96	6.02	6.00	6.12	6.43	6.54	6.65	6.60
15	6.45	6.27	5.90	5.57	5.95	6.01	5.99	6.10	6.42	6.54	6.64	6.58
16	6.48	6.27	5.89	5.55	5.93	5.99	5.98	6.09	6.42	6.54	6.64	6.57
17	6.48	6.25	5.88	5.54	5.92	5.97	5.97	6.08	6.42	6.55	6.64	6.60
18	6.47	6.23	5.87	5.52	5.89	5.96	5.96	6.08	6.41	6.55	6.64	6.63
19	6.47	6.22	5.86	5.50	5.87	5.96	5.95	6.07	6.40	6.55	6.64	6.60
20	6.46	6.22	5.85	5.48	5.84	5.96	5.95	6.05	6.39	6.56	6.63	6.58
21	6.45	6.20	5.83	5.47	5.82	6.03	5.94	6.04	6.38	6.56	6.62	6.56
22	6.44	6.19	5.82	5.45	5.80	6.02	5.93	6.01	6.38	6.58	6.65	6.54
23	6.43	6.18	5.80	5.43	5.78	6.00	5.92	6.01	6.41	6.62	6.64	6.52
24	6.42	6.17	5.79	5.43	5.77	5.98	6.09	6.00	6.43	6.63	6.70	6.51
25	6.41	6.15	5.78	5.43	5.78	5.96	6.16	5.99	6.42	6.63	6.74	6.50
26	6.40	6.14	5.77	5.41	5.82	5.95	6.13	5.98	6.43	6.64	6.73	6.48
27	6.39	6.13	5.76	5.39	5.84	5.93	6.09	5.98	6.46	6.64	6.71	6.46
28	6.37	6.14	5.75	5.37	5.83	5.91	6.05	6.00	6.45	6.64	6.70	6.44
29	6.37	---	5.73	5.35	5.80	5.90	6.01	6.00	6.45	6.64	6.69	6.43
30	6.36	---	5.72	5.32	5.78	5.93	6.01	6.05	6.44	6.64	6.68	6.42
31	6.35	---	5.71	---	5.80	---	6.02	6.14	---	6.64	---	6.41
Mean	6.45	6.24	5.91	5.53	5.72	6.00	5.98	6.04	6.43	6.55	6.67	6.57
Max	6.52	6.33	6.13	5.69	5.97	6.06	6.16	6.14	6.54	6.64	6.74	6.67
Min	6.35	6.13	5.71	5.32	5.24	5.84	5.87	5.94	6.18	6.44	6.62	6.41

EVERGLADES NATIONAL PARK HYDROLOGIC STATION NP-203

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Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.05	5.90	5.74	5.28	4.88	5.30	5.28	5.68	5.83	6.03	6.11	6.19
2	6.04	5.89	5.72	5.26	4.85	5.43	5.27	5.66	5.95	6.01	6.11	6.17
3	6.07	5.89	5.71	5.24	4.83	5.52	5.24	5.64	6.04	6.00	6.11	6.16
4	6.08	5.88	5.70	5.22	4.89	5.55	5.22	5.62	6.11	5.99	6.11	6.15
5	6.07	5.87	5.69	5.20	4.97	5.53	5.20	5.61	6.16	5.98	6.18	6.14
6	6.06	5.86	5.68	5.18	4.97	5.52	5.20	5.60	6.15	5.98	6.19	6.16
7	6.05	5.85	5.67	5.16	4.97	5.50	5.27	5.61	6.17	5.99	6.18	6.18
8	6.04	5.84	5.65	5.14	4.96	5.48	5.31	5.60	6.16	5.99	6.17	6.16
9	6.03	5.83	5.63	5.12	4.94	5.48	5.32	5.59	6.20	5.99	6.17	6.16
10	6.03	5.82	5.64	5.10	5.02	5.49	5.31	5.58	6.16	6.00	6.17	6.16
11	6.01	5.81	5.63	5.13	5.20	5.47	5.30	5.56	6.15	6.00	6.16	6.15
12	6.00	5.81	5.62	5.17	5.21	5.46	5.28	5.64	6.13	6.00	6.15	6.14
13	5.99	5.80	5.61	5.18	5.21	5.48	5.25	5.76	6.12	6.02	6.14	6.13
14	5.99	5.82	5.59	5.17	5.23	5.46	5.23	5.75	6.12	6.01	6.14	6.12
15	6.00	5.89	5.58	5.16	5.27	5.43	5.21	5.73	6.09	6.01	6.13	6.12
16	6.04	5.88	5.56	5.15	5.30	5.41	5.21	5.71	6.07	6.01	6.13	6.11
17	6.04	5.86	5.54	5.13	5.31	5.39	5.23	5.70	6.06	6.02	6.13	6.18
18	6.03	5.84	5.53	5.11	5.31	5.37	5.25	5.70	6.04	6.01	6.13	6.21
19	6.02	5.83	5.51	5.09	5.31	5.35	5.27	5.69	6.05	6.02	6.13	6.18
20	6.00	5.82	5.50	5.07	5.30	5.37	5.27	5.67	6.07	6.02	6.13	6.16
21	5.99	5.80	5.48	5.05	5.29	5.42	5.27	5.66	6.04	6.03	6.12	6.14
22	5.98	5.78	5.46	5.03	5.28	5.42	5.25	5.65	6.03	6.05	6.15	6.11
23	5.97	5.77	5.44	5.01	5.26	5.40	5.34	5.69	6.02	6.08	6.15	6.09
24	5.97	5.77	5.42	5.03	5.25	5.38	5.59	5.71	6.03	6.08	6.22	6.08
25	5.97	5.75	5.40	5.05	5.23	5.36	5.59	5.69	6.01	6.09	6.26	6.07
26	5.95	5.74	5.39	5.02	5.23	5.34	5.63	5.66	6.02	6.10	6.24	6.06
27	5.94	5.73	5.37	5.00	5.26	5.31	5.67	5.66	6.07	6.11	6.22	6.04
28	5.94	5.74	5.35	4.97	5.25	5.29	5.64	5.68	6.06	6.11	6.21	6.02
29	5.93	---	5.33	4.94	5.24	5.28	5.64	5.66	6.05	6.11	6.20	6.01
30	5.92	---	5.31	4.91	5.23	5.29	5.67	5.72	6.04	6.11	6.20	6.00
31	5.91	---	5.30	000	5.26	---	5.71	5.82	---	6.11	---	5.99
Mean	6.00	5.82	5.54	5.11	5.15	5.42	5.36	5.67	6.07	6.03	6.16	6.12
Max	6.08	5.90	5.74	5.28	5.31	5.55	5.71	5.82	6.20	6.11	6.26	6.21
Min	5.91	5.73	5.30	4.91	4.83	5.26	5.20	5.56	5.83	5.98	6.11	5.99

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1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.95	2.89	2.80	2.46	1.47	1.93	2.78	2.72	3.00	3.25	2.80	3.02
2	2.88	2.89	2.79	2.44	1.42	2.38	2.78	2.70	3.15	3.21	2.79	3.02
3	2.99	2.88	2.78	2.41	1.38	2.47	2.75	2.69	3.30	3.16	2.80	3.01
4	2.98	2.87	2.78	2.38	1.58	2.48	2.72	2.67	3.43	3.12	2.81	3.00
5	2.98	2.86	2.77	2.35	1.94	2.47	2.69	2.66	3.46	3.08	2.88	2.99
6	2.98	2.85	2.76	2.31	1.99	2.45	2.66	2.73	3.44	3.05	2.88	3.02
7	2.97	2.84	2.74	2.27	2.19	2.44	2.64	2.75	3.43	3.04	2.87	3.04
8	2.97	2.64	2.74	2.22	2.34	2.44	2.64	2.74	3.42	3.01	2.87	3.02
9	2.96	2.83	2.73	2.17	2.32	2.45	2.70	2.73	3.40	2.99	2.87	3.02
10	2.96	2.82	2.73	2.12	2.43	2.47	2.69	2.71	3.39	2.96	2.87	3.06
11	2.95	2.81	2.73	2.16	2.61	2.45	2.66	2.71	3.37	2.94	2.86	3.04
12	2.94	2.81	2.72	2.17	2.60	2.44	2.63	2.70	3.35	2.92	2.85	3.02
13	2.94	2.81	2.71	2.14	2.59	2.47	2.60	2.78	3.33	2.89	2.85	3.01
14	2.95	2.85	2.70	2.11	2.53	2.57	2.58	2.78	3.30	2.87	2.86	3.01
15	2.98	2.86	2.69	2.06	2.48	2.58	2.60	2.74	3.28	2.85	2.86	3.00
16	2.99	2.84	2.68	2.02	2.44	2.59	2.63	2.73	3.30	2.84	2.86	2.99
17	2.97	2.83	2.67	1.97	2.41	2.60	2.64	2.69	3.31	2.82	2.86	3.05
18	2.97	2.63	2.66	1.91	2.38	2.61	2.63	2.69	3.29	2.81	3.86	3.09
19	2.96	2.82	2.65	1.85	2.34	2.61	2.62	2.68	3.27	2.80	2.87	3.07
20	2.95	2.81	2.64	1.79	2.31	2.62	2.62	2.67	3.26	2.79	2.86	3.06
21	2.94	2.80	2.63	1.75	2.25	2.63	2.59	2.65	3.28	2.78	2.86	3.05
22	2.93	2.80	2.62	1.70	2.19	2.64	2.57	2.63	3.27	2.80	2.86	3.03
23	2.93	2.80	2.60	1.66	2.12	2.64	2.58	2.59	3.27	2.81	2.86	3.02
24	2.93	2.79	2.58	1.74	2.05	2.65	2.65	2.56	3.26	2.80	2.95	3.01
25	2.92	2.78	2.57	1.86	1.98	2.63	2.62	2.53	3.25	2.80	3.00	3.00
26	2.91	2.78	2.56	1.75	2.00	2.62	2.60	2.51	3.29	2.80	3.01	3.00
27	2.91	2.81	2.55	1.71	2.11	2.60	2.62	2.54	3.32	2.80	3.01	2.98
28	2.92	2.81	2.53	1.64	2.05	2.58	2.61	2.56	3.29	2.80	3.02	2.97
29	2.91	---	2.51	1.58	1.97	2.59	2.61	2.62	3.29	2.80	3.02	2.95
30	2.90	---	2.49	1.52	1.90	2.66	2.64	2.69	3.30	2.80	3.02	2.95
31	2.88	---	2.48	---	1.87	---	2.71	2.76	---	2.80	---	2.94
Mean	2.95	2.83	2.66	2.01	2.14	2.53	2.65	2.67	3.32	2.91	2.89	3.01
Max	2.99	2.89	2.80	2.46	2.61	2.66	2.78	2.78	3.46	3.25	3.02	3.09
Min	2.88	2.78	2.48	1.52	1.38	1.93	2.57	2.51	3.00	2.78	2.79	2.94

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1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.46	4.25	4.09	4.01	2.45	4.71	4.61	6.01	6.31	6.25	4.93	6.06
2	4.47	4.23	4.08	3.95	2.40	4.96	4.59	6.07	6.51	6.22	4.87	6.06
3	4.45	4.21	4.04	3.88	2.35	5.07	4.53	6.06	6.69	6.19	4.82	6.05
4	4.43	4.20	3.99	3.82	2.35	5.05	4.45	6.03	6.66	6.16	4.79	6.04
5	4.42	4.18	3.94	3.76	2.42	5.01	4.39	6.00	6.61	6.14	4.99	6.03
6	4.41	4.16	3.89	3.69	3.59	4.95	4.36	5.98	6.57	6.11	5.04	6.06
7	4.40	4.14	3.82	3.62	5.01	4.88	4.36	5.97	6.52	6.08	4.99	6.09
8	4.38	4.12	3.76	3.55	5.03	4.80	4.47	5.94	6.48	6.06	4.95	6.08
9	4.36	4.10	3.68	3.49	4.95	4.79	4.77	5.92	6.43	6.04	4.90	6.07
10	4.35	4.18	3.62	3.42	5.22	4.87	5.10	5.87	6.38	6.01	4.85	6.09
11	4.34	4.27	3.60	3.36	5.79	4.80	5.03	5.92	6.34	5.96	4.80	4.09
12	4.34	4.28	3.59	3.33	5.81	4.78	4.93	6.16	6.30	5.95	4.73	6.08
13	4.38	4.26	3.54	3.35	5.76	5.14	4.83	6.40	6.29	5.92	4.70	6.07
14	4.40	4.25	3.48	3.32	5.68	5.06	4.74	6.36	6.27	5.87	4.69	6.07
15	4.39	4.25	3.40	3.27	5.59	4.97	4.65	6.32	6.25	4.81	4.69	6.07
16	4.38	4.25	3.30	3.22	5.50	4.88	4.60	6.26	6.24	5.76	4.71	6.06
17	4.37	4.24	3.24	3.16	5.40	4.78	4.76	6.22	6.23	5.67	4.73	6.10
18	4.36	4.22	3.17	3.10	5.31	4.68	5.25	6.18	6.24	5.58	4.74	6.14
19	4.35	4.21	3.11	3.04	5.23	4.61	5.20	6.15	6.25	5.50	4.76	6.13
20	4.34	4.14	3.04	2.98	5.15	4.65	5.13	6.11	6.27	5.44	4.75	6.13
21	4.33	4.17	2.97	2.93	5.06	4.81	5.04	6.08	6.31	5.38	4.74	6.13
22	4.32	4.16	2.90	2.87	4.98	4.76	4.97	6.06	6.30	5.37	5.17	6.13
23	4.30	4.16	2.81	2.82	4.91	4.70	5.12	6.12	6.31	5.41	5.21	6.13
24	4.29	4.15	2.73	2.79	4.82	4.86	5.87	6.12	6.30	5.34	5.49	6.13
25	4.29	4.15	2.66	2.75	4.78	4.79	6.14	6.08	6.29	5.29	5.97	6.12
26	4.30	4.15	2.61	2.70	4.86	4.69	6.11	6.06	6.29	5.25	6.01	6.12
27	4.29	4.13	2.54	2.65	5.01	4.61	6.08	6.08	6.29	5.19	6.02	6.10
28	4.28	4.11	2.47	2.60	4.92	4.53	6.04	6.12	6.29	5.13	6.03	6.08
29	4.28	---	2.40	2.55	4.81	4.52	6.03	6.12	6.30	5.07	6.05	6.07
30	4.27	---	3.86	2.50	4.71	4.61	6.02	6.17	6.28	5.03	6.06	6.06
31	4.26	---	4.08	---	4.67	---	6.00	6.28	---	4.98	---	6.04
Mean	4.35	4.19	3.37	3.22	4.66	4.81	5.10	6.10	6.36	5.68	5.11	6.09
Max	4.47	4.28	4.09	4.01	5.81	5.14	6.14	6.40	6.69	6.25	6.06	6.14
Min	4.26	4.10	2.40	2.50	2.35	4.52	4.36	5.87	6.23	4.98	4.69	6.03

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1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.20	3.05	3.12	1.86	.92	5.31	5.31	5.02	5.76	6.03	4.80	5.29
2	4.15	3.30	3.06	1.81	.87	5.64	5.22	4.94	6.05	6.01	4.74	5.26
3	4.10	3.52	3.01	1.75	.81	5.89	5.11	4.85	6.13	5.97	4.68	5.22
4	4.05	3.51	2.96	1.71	1.27	5.91	4.99	4.76	6.11	5.91	4.60	5.18
5	4.00	3.47	2.91	1.64	2.97	5.88	4.93	4.83	6.18	5.85	4.50	5.14
6	3.95	3.39	2.86	1.57	4.12	5.85	5.07	5.21	6.22	5.71	4.75	5.21
7	3.91	3.32	2.81	1.51	5.01	5.83	5.11	5.16	6.16	5.59	4.95	5.31
8	3.86	3.29	2.75	1.47	5.07	5.79	4.99	5.15	6.23	5.49	4.87	5.26
9	3.80	3.27	2.69	1.42	5.13	5.78	4.91	5.10	6.20	5.40	4.78	5.24
10	3.92	3.22	2.77	1.36	5.30	5.75	4.82	5.05	6.15	5.34	4.70	5.34
11	4.03	3.18	3.06	1.31	5.65	5.73	4.71	4.95	6.16	5.28	4.62	5.29
12	3.96	3.15	3.20	1.29	5.62	5.70	4.58	5.01	6.15	5.22	4.55	5.23
13	3.88	3.13	3.20	1.32	5.68	5.68	4.44	5.22	6.22	5.16	4.50	5.18
14	3.83	3.10	3.15	1.33	5.64	5.67	4.32	5.27	6.15	5.10	4.44	5.16
15	3.78	3.48	3.07	1.30	5.58	5.77	4.41	5.39	6.13	5.04	4.39	5.11
16	3.74	3.85	2.97	1.26	5.52	5.81	4.71	5.42	6.12	4.98	4.33	5.06
17	3.68	3.80	2.88	1.22	5.44	5.75	5.04	5.85	6.11	4.92	4.30	5.32
18	3.62	3.71	2.80	1.17	5.35	5.70	5.07	5.81	6.10	4.86	4.25	5.46
19	3.56	3.65	2.70	1.13	5.26	5.67	5.05	5.80	6.09	4.80	4.20	5.43
20	3.50	3.59	2.62	1.09	5.15	5.70	4.99	5.77	6.08	4.73	4.14	5.39
21	3.45	3.48	2.55	1.04	5.02	5.73	4.88	5.75	6.07	4.67	4.09	5.35
22	3.40	3.38	2.48	.99	4.90	5.68	4.80	5.71	6.06	4.62	4.35	5.30
23	3.35	3.32	2.40	1.08	4.77	5.64	5.03	5.71	6.10	4.56	4.35	5.24
24	3.31	3.28	2.33	1.32	4.63	5.60	5.02	5.88	6.09	4.75	5.08	5.20
25	3.27	3.20	2.25	1.15	4.59	5.55	5.01	5.87	6.10	4.95	5.47	5.17
26	3.24	3.13	2.18	1.29	5.14	5.50	4.98	5.85	6.11	5.15	5.44	5.15
27	3.21	3.07	2.12	1.24	5.24	5.44	4.97	5.85	6.12	5.09	5.39	5.07
28	3.17	3.09	2.07	1.16	5.24	5.37	4.94	5.79	6.15	5.03	5.36	4.99
29	3.13	---	2.01	1.07	5.18	5.35	4.89	5.77	6.18	4.97	5.34	4.93
30	3.09	---	1.97	.99	5.22	5.38	5.14	5.77	6.21	4.92	5.32	4.88
31	3.06	---	1.91	---	5.32	---	5.08	5.74	---	4.86	---	4.83
Mean	3.65	3.35	2.67	1.33	4.57	5.67	4.92	5.43	6.12	5.19	4.71	5.20
Max	4.20	3.85	3.20	1.86	5.68	5.91	5.31	5.88	6.23	6.03	5.47	5.46
Min	3.06	3.05	1.91	.99	.81	5.31	4.32	4.76	5.76	4.56	4.09	4.83

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1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.01	.87	.91	.21	-.33	1.28	1.20	1.05	1.53	1.75	1.36	1.30
2	1.00	.85	.88	.18	-.39	1.70	1.17	1.02	1.67	1.75	1.35	1.30
3	.98	.85	.85	.14	-.46	1.89	1.15	1.04	1.85	1.74	1.33	1.30
4	.97	.99	.87	.10	-.49	1.88	1.12	1.06	1.86	1.71	1.32	1.29
5	1.02	1.10	.86	.06	-.56	1.88	1.16	1.03	1.85	1.66	1.31	1.28
6	1.10	1.09	.85	.01	-.32	1.87	1.22	1.08	1.83	1.64	1.31	1.28
7	1.10	1.06	.83	-.04	1.02	1.86	1.22	1.13	1.81	1.64	1.31	1.28
8	1.10	1.05	.81	-.07	.97	1.86	1.20	1.13	1.80	1.61	1.29	1.28
9	1.08	1.04	.80	-.12	.91	1.88	1.18	1.15	1.78	1.58	1.28	1.27
10	1.05	1.00	.79	-.17	.86	1.87	1.15	1.14	1.75	1.57	1.26	1.26
11	1.04	.99	.94	.24	1.38	1.83	1.14	1.12	1.72	1.56	1.24	1.25
12	1.02	.95	.94	.49	1.32	1.78	1.11	1.12	1.73	1.54	1.22	1.24
13	1.02	.94	.93	.49	1.24	1.74	1.09	1.15	1.74	1.52	1.19	1.23
14	1.02	.93	.90	.42	1.17	1.70	1.07	1.17	1.74	1.49	1.18	1.23
15	1.02	.90	.88	.35	1.12	1.66	1.12	1.15	1.72	1.47	1.17	1.23
16	1.02	.89	.84	.29	1.09	1.63	1.16	1.14	1.77	1.45	1.16	1.22
17	1.02	.88	.80	.22	1.07	1.59	1.19	1.13	1.79	1.42	1.15	1.39
18	1.00	.89	.72	.14	1.04	1.56	1.19	1.11	1.78	1.40	1.13	1.55
19	1.03	.86	.57	.07	1.02	1.54	1.22	1.09	1.78	1.38	1.12	1.56
20	1.01	.84	.54	.01	1.01	1.51	1.24	1.08	1.77	1.37	1.11	1.54
21	1.00	.83	.52	-.05	.99	1.48	1.21	1.05	1.75	1.35	1.10	1.51
22	.99	.82	.50	-.11	.97	1.45	1.18	1.09	1.74	1.40	1.11	1.49
23	.97	.81	.47	.08	.94	1.42	1.17	1.23	1.73	1.49	1.10	1.47
24	.96	.80	.44	.12	.93	1.40	1.19	1.21	1.73	1.51	1.21	1.46
25	.95	.77	.41	.03	.92	1.37	1.20	1.19	1.73	1.51	1.29	1.45
26	.93	.75	.38	-.06	.93	1.34	1.18	1.16	1.73	1.48	1.31	1.45
27	.91	.75	.35	-.08	1.17	1.29	1.16	1.17	1.73	1.46	1.31	1.43
28	.90	.93	.32	-.12	1.36	1.27	1.13	1.24	1.73	1.44	1.31	1.41
29	.90	---	.31	-.18	1.33	1.24	1.11	1.25	1.73	1.42	1.32	1.39
30	.90	---	.29	-.26	1.27	1.22	1.09	1.31	1.74	1.40	1.33	1.39
31	.88	---	.26	---	1.24	---	1.07	1.51	---	1.38	---	1.37
Mean	1.00	.91	.67	.08	.80	1.60	1.16	1.15	1.75	1.52	1.24	1.36
Max	1.10	1.10	.94	.49	1.38	1.89	1.24	1.51	1.86	1.75	1.36	1.56
Min	.88	.75	.26	-.26	-.56	1.22	1.07	1.02	1.53	1.35	1.10	1.22

EVERGLADES NATIONAL PARK HYDROLOGIC STATION NP-67

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.67	1.54	1.16	.45	-.33	2.29	1.87	1.78	2.44	2.55	2.01	2.01
2	1.63	1.52	1.13	.42	-.38	2.67	1.85	1.75	2.62	2.51	1.99	1.99
3	1.66	1.51	1.10	.40	-.42	2.78	1.81	1.73	2.67	2.46	1.97	1.99
4	1.64	1.50	1.07	.38	1.60	2.78	1.77	1.70	2.67	2.44	1.95	1.98
5	1.62	1.48	1.04	.36	1.58	2.76	1.99	1.73	2.67	2.40	1.94	1.97
6	1.60	1.45	1.01	.33	1.42	2.71	1.99	1.90	2.65	2.37	1.92	2.00
7	1.58	1.43	.99	.31	1.33	2.67	1.95	1.90	2.62	2.35	1.90	2.00
8	1.57	1.41	.96	.29	1.59	2.65	1.91	1.92	2.59	2.32	1.87	1.98
9	1.55	1.41	.94	.27	1.55	2.63	1.89	1.93	2.55	2.29	1.85	1.97
10	1.53	1.40	.92	.25	1.94	2.59	1.85	1.91	2.51	2.29	1.83	1.96
11	1.52	1.38	.90	.23	1.97	2.56	1.82	1.93	2.55	2.25	1.81	1.96
12	1.49	1.36	.87	.21	1.98	2.52	1.79	1.94	2.55	2.22	1.78	1.94
13	1.47	1.35	.85	.19	1.98	2.48	1.75	1.96	2.53	2.22	1.75	1.93
14	1.45	1.47	.82	.17	1.96	2.44	1.73	1.96	2.49	2.21	1.73	1.92
15	1.75	1.45	.80	.15	1.92	2.39	1.73	1.95	2.51	2.19	1.71	1.91
16	1.74	1.42	.78	.18	1.88	2.35	1.93	1.93	2.55	2.16	1.68	1.90
17	1.72	1.39	.76	.10	1.85	2.31	1.93	1.92	2.54	2.13	1.67	2.29
18	1.68	1.36	.74	.07	1.81	2.26	1.95	1.91	2.51	2.10	1.65	2.31
19	1.68	1.34	.72	.04	1.77	2.24	2.07	1.89	2.51	2.09	1.63	2.31
20	1.65	1.31	.70	.01	1.74	2.21	2.03	1.86	2.52	2.07	1.61	2.29
21	1.64	1.29	.68	-.04	1.70	2.18	2.00	1.84	2.56	2.07	1.62	2.27
22	1.62	1.27	.66	.03	1.66	2.16	1.96	1.84	2.53	2.15	1.61	2.25
23	1.60	1.25	.64	.09	1.62	2.12	1.93	1.84	2.52	2.15	1.59	2.23
24	1.58	1.22	.63	.04	1.59	2.09	1.94	1.91	2.48	2.15	2.00	2.21
25	1.57	1.20	.61	-.02	1.56	2.07	1.94	1.89	2.49	2.14	2.00	2.19
26	1.56	1.18	.59	-.07	1.95	2.03	1.92	1.87	2.49	2.12	2.00	2.17
27	1.54	1.17	.57	-.12	1.96	1.99	1.89	1.98	2.49	2.11	1.99	2.15
28	1.53	1.15	.55	-.17	1.96	1.95	1.87	1.99	2.46	2.09	1.99	2.12
29	1.61	---	.53	-.23	1.93	1.91	1.84	2.00	2.60	2.07	2.00	2.10
30	1.58	---	.51	-.28	1.94	1.89	1.84	2.16	2.59	2.07	2.00	2.09
31	1.55	---	.48	---	1.94	000	1.81	2.27	---	2.03	---	2.07
Mean	1.50	1.36	.80	.13	1.57	2.36	1.89	1.91	2.55	2.22	1.84	2.08
Max	1.75	1.54	1.16	.45	1.98	2.78	2.07	2.27	2.67	2.55	2.01	2.31
Min	1.45	1.15	.48	-.28	-.42	1.89	1.73	1.70	2.44	2.03	1.59	1.90

EVERGLADES NATIONAL PARK HYDROLOGIC STATION HEADQUARTERS POND

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	---	1.86	1.72	0.91	0.00	2.44	2.30	2.28	3.46	---	2.40	---
2	---	1.86	1.68	---	0.00	3.56	---	2.24	3.66	---	---	2.50
3	1.94	1.85	---	---	-.04	3.59	---	2.21	---	---	---	---
4	1.98	1.82	1.63	0.76	-.06	---	---	2.18	---	3.05	2.33	---
5	1.95	---	---	0.72	2.00	---	2.28	2.15	---	3.01	---	2.42
6	1.92	---	---	0.66	1.91	3.65	2.32	---	3.57	2.97	---	2.41
7	1.90	1.74	1.56	0.61	---	3.64	2.30	---	3.52	2.88	2.34	2.46
8	---	1.72	---	0.56	---	3.62	2.44	2.39	3.48	---	2.29	---
9	---	1.71	1.48	---	2.32	3.36	---	2.46	3.49	---	2.28	2.37
10	1.86	---	1.80	---	2.12	3.30	---	---	3.36	---	2.27	---
11	1.84	1.68	1.82	0.50	3.49	---	2.26	---	---	---	2.25	---
12	1.80	---	---	0.71	3.16	---	2.21	---	---	2.65	---	2.35
13	1.78	---	---	0.83	2.84	3.06	2.17	---	3.38	2.89	---	2.34
14	1.76	1.64	1.72	0.83	---	3.02	2.12	---	3.26	2.73	2.13	---
15	---	1.95	1.70	0.79	---	2.94	2.10	2.60	---	---	2.10	---
16	---	---	1.66	---	---	---	---	---	3.32	---	---	2.28
17	2.08	2.05	1.61	---	---	2.80	---	2.54	---	2.58	---	---
18	2.04	1.99	1.58	0.62	2.36	---	---	2.50	---	---	2.05	---
19	2.02	---	---	0.56	2.31	---	2.54	2.49	3.38	2.48	---	2.82
20	1.99	---	---	0.50	2.27	2.79	2.51	---	3.36	---	---	---
21	1.97	---	1.43	0.44	---	2.70	2.44	---	3.38	2.43	1.96	---
22	---	1.88	1.38	0.41	---	2.64	2.39	---	3.18	---	---	---
23	---	1.86	1.33	---	2.17	2.59	---	2.52	3.14	---	1.97	2.50
24	1.92	1.85	1.28	---	2.13	2.56	---	2.58	---	---	---	---
25	1.90	1.84	1.22	0.30	---	---	2.59	2.50	---	2.58	3.13	---
26	1.88	---	---	0.26	---	---	2.48	2.48	3.30	2.52	---	---
27	1.87	---	---	0.21	2.35	2.42	2.44	---	3.18	---	---	2.40
28	1.86	1.74	1.09	0.18	---	2.38	---	---	3.12	2.48	2.63	---
29	---	---	1.04	0.12	---	2.32	---	---	3.12	---	---	2.35
30	---	---	1.00	---	---	2.30	---	---	3.10	---	2.57	2.30
31	1.88	---	0.96	---	2.39	---	---	3.30	---	2.42	---	---
Mean	1.91	1.83	1.40	0.55	1.87	2.94	2.34	2.46	3.34	2.69	2.31	2.42
Max	2.08	2.05	1.82	0.91	3.49	3.65	2.59	3.30	3.66	3.05	3.13	2.50
Min	1.76	1.64	0.96	0.12	-.06	2.30	2.10	2.15	3.10	2.42	1.96	2.28

EVERGLADES NATIONAL PARK HYDROLOGIC STATION NP-72

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	---	---	---	---	---	4.73	2.58	3.00	4.69	4.25	2.68	2.93
2	---	---	---	---	---	4.95	2.50	2.90	4.90	4.16	2.61	2.86
3	---	---	---	---	---	4.90	2.40	2.80	4.90	4.04	2.55	2.80
4	---	---	---	---	---	4.77	2.30	2.71	4.76	3.96	2.51	2.75
5	---	---	---	---	---	4.70	2.79	2.70	4.67	3.85	2.50	2.69
6	---	---	---	---	---	4.62	2.99	4.26	4.58	4.01	2.48	2.98
7	---	---	---	---	---	4.55	3.03	4.07	4.53	3.95	2.43	2.98
8	---	---	---	---	---	4.47	3.02	4.20	4.47	3.74	2.38	2.89
9	---	---	---	---	---	4.46	2.99	3.90	4.44	3.60	2.33	2.82
10	---	---	---	---	---	4.42	2.93	3.64	4.41	3.49	2.28	2.86
11	---	---	---	---	---	4.38	2.82	3.55	4.44	3.39	2.24	2.84
12	---	---	---	---	---	4.31	2.77	3.78	4.40	3.30	2.18	2.78
13	---	---	---	---	---	4.24	2.65	3.78	4.30	3.24	2.12	2.72
14	---	---	---	---	---	4.17	2.53	3.81	4.25	3.18	2.05	2.69
15	---	---	---	---	---	4.08	2.72	3.72	4.22	3.09	2.00	2.64
16	---	---	---	---	---	3.98	3.55	3.60	4.40	3.03	1.96	2.60
17	---	---	---	---	---	3.85	3.44	3.99	4.33	2.96	1.92	4.28
18	---	---	---	---	---	4.01	3.40	3.83	4.24	2.88	1.87	4.26
19	---	---	---	---	2.15	3.98	3.54	3.52	4.24	2.81	1.83	4.15
20	---	---	---	---	2.11	3.86	3.50	3.33	4.53	2.75	1.79	4.04
21	---	---	---	---	2.02	3.77	3.30	3.22	4.49	2.67	1.74	3.92
22	---	---	---	---	1.94	3.64	3.16	3.68	4.45	3.54	1.72	3.81
23	---	---	---	---	1.84	3.50	3.40	3.64	4.35	3.50	1.70	3.67
24	---	---	---	---	1.79	3.38	3.83	3.69	4.26	3.34	2.98	3.59
25	---	---	---	---	1.75	3.25	3.76	3.47	4.17	3.24	3.09	3.50
26	---	---	---	---	2.60	3.12	3.54	3.31	4.42	3.15	3.09	3.44
27	---	---	---	---	2.83	3.00	3.40	4.03	4.43	3.07	3.06	3.32
28	---	---	---	---	2.86	2.87	3.26	3.95	4.43	2.98	3.03	3.22
29	---	---	---	---	2.79	2.74	3.53	3.83	4.41	2.88	2.99	3.13
30	---	---	---	---	4.36	2.65	3.35	4.50	4.34	2.80	2.97	3.07
31	---	---	---	---	4.41	---	3.13	4.56	---	2.74	---	3.02
Mean	---	---	---	---	---	3.98	3.10	3.64	4.45	3.34	2.37	3.20
Max	---	---	---	---	---	4.95	3.83	4.56	4.90	4.25	3.09	4.28
Min	---	---	---	---	---	2.65	2.30	2.70	4.17	2.67	1.70	2.60

EVERGLADES NATIONAL PARK HYDROLOGIC STATION NP-62

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	---	---	---	---	---	2.30	2.33	2.42	2.93	3.16	2.38	2.54
2	---	---	---	---	---	2.68	2.30	2.42	3.10	3.11	2.36	2.54
3	---	---	---	---	---	2.75	2.27	2.42	3.20	3.04	2.46	2.53
4	---	---	---	---	---	2.78	2.24	2.41	3.34	3.02	2.50	2.52
5	---	---	---	---	---	2.79	2.23	2.45	3.21	2.97	2.66	2.51
6	---	---	---	---	---	2.80	2.26	2.74	3.19	2.92	2.63	2.56
7	---	---	---	---	---	2.80	2.36	2.69	3.24	2.89	2.62	2.56
8	---	---	---	---	---	2.80	2.33	2.71	3.21	2.85	2.61	2.55
9	---	---	---	--	---	2.79	2.31	2.71	3.16	2.82	2.59	2.56
10	---	---	---	---	---	2.78	2.30	2.70	3.26	2.79	2.56	2.57
11	---	---	---	---	---	2.76	2.29	2.69	3.19	2.75	2.53	2.56
12	---	---	---	---	---	2.73	2.28	2.68	3.15	2.72	2.49	2.55
13	---	---	---	---	---	2.70	2.26	2.83	3.11	2.69	2.46	2.54
14	---	---	---	---	---	2.68	2.25	2.74	3.08	2.66	2.43	2.54
15	---	---	---	---	---	2.65	2.26	2.70	3.03	2.63	2.40	2.53
16	---	---	---	--	---	2.64	2.31	2.66	3.02	2.61	2.38	2.52
17	---	---	---	---	---	2.60	2.35	2.64	3.00	2.57	2.36	2.76
18	---	---	---	---	---	2.66	2.35	2.63	3.00	2.54	2.34	2.79
19	---	---	---	---	1.90	2.65	2.40	2.62	3.00	2.51	2.33	2.79
20	---	---	---	---	1.88	2.69	2.41	2.60	3.02	2.49	2.31	2.79
21	---	---	---	---	1.83	2.66	2.39	2.59	3.04	2.46	2.29	2.78
22	---	---	---	---	1.78	2.64	2.60	2.82	3.05	2.53	2.28	2.75
23	---	---	---	---	1.73	2.61	2.58	2.81	3.04	2.53	2.27	2.72
24	---	---	---	---	1.68	2.58	2.57	2.82	3.10	2.53	2.51	2.71
25	---	---	---	---	1.63	2.54	2.55	2.82	3.07	2.51	2.53	2.68
26	---	---	---	---	1.90	2.50	2.52	2.80	3.21	2.49	2.54	2.66
27	---	---	---	---	2.05	2.46	2.50	2.80	3.35	2.47	2.54	2.64
28	---	---	---	---	2.06	2.42	2.47	2.79	3.25	2.45	2.54	2.62
29	---	---	---	---	2.05	2.38	2.45	2.77	3.24	2.42	2.54	2.59
30	---	---	---	---	2.03	2.36	2.43	3.74	3.21	2.41	2.55	2.57
31	---	---	---	---	2.06	---	2.41	2.86	---	2.40	---	2.55
Mean	---	---	---	---	---	2.64	2.37	2.71	3.13	---	2.47	2.62
Max	---	---	---	---	---	2.80	2.60	3.74	3.35	---	2.66	2.79
Min	---	---	---	---	---	2.30	2.23	2.41	2.93	---	2.27	2.51

EVERGLADES NATIONAL PARK HYDROLOGIC STATION NP-44

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.20	2.26	2.05	.83	-.34	3.80	3.03	3.77	4.52	4.36	2.86	3.19
2	2.18	2.23	2.02	.75	---	4.33	2.88	3.66	4.66	4.30	2.78	3.03
3	2.17	2.23	2.00	.70	---	4.40	2.73	3.53	4.66	4.25	2.95	2.97
4	2.14	2.23	1.92	.67	---	4.41	2.57	3.40	4.54	4.22	2.95	2.90
5	2.10	2.18	1.87	.60	1.75	4.40	2.82	3.34	4.54	4.18	2.91	2.83
6	2.05	2.11	1.84	.53	1.75	4.37	3.61	3.86	4.51	4.13	2.87	3.17
7	2.02	2.08	1.79	.51	1.72	4.34	3.61	3.89	4.43	4.11	2.78	3.19
8	1.99	2.03	1.74	.43	1.71	4.31	3.61	3.92	4.39	4.07	2.69	3.05
9	1.93	1.98	1.70	.42	1.72	4.30	3.58	3.91	4.46	4.02	2.60	3.09
10	1.92	1.93	1.90	.36	2.40	4.28	3.54	3.86	4.44	3.97	2.53	3.19
11	1.90	1.85	1.90	.34	1.85	4.25	3.47	3.80	4.39	3.91	2.44	3.07
12	1.89	1.85	1.93	.35	1.62	4.22	3.39	3.99	4.35	3.84	2.33	2.97
13	1.85	1.83	1.92	.35	1.58	4.19	3.27	4.03	4.30	3.77	2.22	2.89
14	1.85	1.80	1.90	.34	1.66	4.17	3.09	4.07	4.28	3.69	2.15	2.86
15	1.85	2.25	1.85	.31	1.75	4.14	3.07	4.03	4.25	3.59	2.09	2.81
16	1.85	2.60	1.80	.27	1.93	4.09	3.59	4.00	4.25	3.49	2.01	2.75
17	1.85	2.60	1.75	.25	2.00	4.04	3.63	4.01	4.25	3.38	1.96	4.04
18	1.85	2.53	1.71	.20	2.10	4.00	3.65	4.01	4.29	3.26	1.91	4.07
19	1.85	2.50	1.60	.15	2.15	3.99	3.65	3.97	4.27	3.17	1.85	4.07
20	---	2.46	1.55	.12	2.11	3.95	3.65	3.92	4.41	3.07	1.79	4.02
21	---	2.38	1.52	.08	2.00	3.92	3.59	3.84	4.39	2.98	1.73	3.98
22	---	2.35	1.45	.05	1.90	3.86	4.03	4.19	4.36	3.54	1.69	3.92
23	---	2.25	1.37	---	1.80	3.78	4.01	4.19	4.32	3.54	1.66	3.85
24	---	2.24	1.30	-.02	1.72	3.71	4.07	4.17	4.31	3.50	3.60	3.78
25	---	2.09	1.21	-.02	1.64	3.62	4.05	4.19	4.36	3.45	3.54	3.72
26	---	2.04	1.20	-.03	2.30	3.51	3.99	4.07	4.54	3.39	3.46	3.67
27	---	2.01	1.10	---	2.34	3.38	3.93	4.07	4.65	3.31	3.36	3.59
28	2.11	2.00	1.05	---	2.41	3.24	3.85	4.07	4.60	3.21	3.27	3.49
29	2.20	---	1.01	-.10	2.42	3.24	3.75	4.19	4.48	3.11	3.20	3.39
30	2.25	---	.93	-.22	2.73	3.19	3.66	4.32	4.42	3.01	3.17	3.30
31	2.25	---	.90	---	3.11	---	379	4.33	---	2.94	---	3.23
Mean	---	---	---	---	---	3.98	3.52	3.96	4.42	3.64	2.58	3.36
Max	---	---	---	---	---	4.41	4.07	4.33	4.66	4.36	3.60	4.07
Min	---	---	---	---	---	3.19	2.57	3.34	4.25	2.94	1.66	2.75

EVERGLADES NATIONAL PARK HYDROLOGIC STATION TAYLOR SLOUGH (AT BRIDGE)

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.07	2.01	1.83	.99	.58	3.58	2.75	2.77	3.91	4.19	2.78	3.11
2	2.05	2.03	1.79	.94	.59	4.11	2.69	2.70	4.26	4.15	2.74	3.03
3	2.04	2.02	1.75	.90	.59	4.47	2.62	2.63	4.52	4.10	2.69	2.95
4	2.03	2.00	1.73	.86	.60	4.59	2.58	2.56	4.52	4.05	2.65	2.89
5	2.01	1.97	1.70	.82	.60	4.57	2.56	2.51	4.51	3.99	2.64	2.83
6	1.99	1.93	1.67	.77	.61	4.51	2.70	2.62	4.49	3.91	2.61	2.80
7	1.97	1.89	1.64	.73	1.16	4.44	2.81	2.81	4.46	3.84	2.57	2.80
8	1.95	1.87	1.60	.68	1.69	4.38	2.98	2.86	4.42	3.77	2.53	2.75
9	1.93	1.85	1.58	.63	1.97	4.33	2.91	2.97	4.37	3.70	2.49	2.72
10	1.91	1.82	1.75	.60	2.32	4.28	2.83	2.96	4.32	3.63	2.46	2.78
11	1.80	1.79	1.85	.59	3.16	4.28	2.75	2.92	4.30	3.56	2.41	2.75
12	1.05	1.76	1.90	.62	3.29	4.24	2.67	3.01	4.31	3.50	2.36	2.70
13	1.82	1.74	1.90	.66	3.26	4.17	2.61	3.35	4.25	3.48	2.31	2.66
14	1.80	1.73	1.87	.68	3.20	4.09	2.54	3.55	4.19	3.41	2.27	2.63
15	1.93	2.08	1.83	.67	3.11	4.00	2.53	3.58	4.15	3.34	2.24	2.60
16	2.20	2.25	1.79	.65	3.02	3.91	2.79	3.53	4.19	3.26	2.21	2.57
17	2.21	2.23	1.74	.62	2.92	3.81	3.06	3.47	4.20	3.18	2.18	3.00
18	2.20	2.20	1.68	.60	2.83	3.72	3.05	3.40	4.22	3.10	2.15	3.31
19	2.19	2.17	1.63	.58	2.74	3.68	3.02	3.32	4.30	3.04	2.12	3.29
20	2.17	2.14	1.57	.56	2.66	3.63	3.02	3.23	4.28	2.97	2.09	3.23
21	2.14	2.10	1.51	.56	2.58	3.57	2.96	3.13	4.26	2.91	2.06	3.17
22	2.12	2.06	1.46	.55	2.50	3.50	2.89	3.10	4.24	2.97	2.04	3.09
23	2.10	2.02	1.41	.56	2.43	3.44	2.86	3.15	4.20	3.14	2.03	3.02
24	2.08	2.00	1.36	.56	2.36	2.36	3.03	3.21	4.17	3.13	2.77	2.97
25	2.06	1.96	1.31	.57	2.30	3.27	3.16	3.25	4.18	3.09	3.44	2.92
26	2.03	1.92	1.26	.57	2.42	3.17	3.15	3.22	4.18	3.05	3.47	2.88
27	2.01	1.88	1.21	.58	2.72	3.06	3.10	3.25	4.17	3.00	3.42	2.82
28	1.99	1.86	1.16	.58	2.82	2.97	3.05	3.32	4.18	2.94	3.34	2.77
29	2.04	---	1.11	.59	2.91	2.88	3.00	3.31	4.21	2.89	3.27	2.72
30	2.04	---	1.07	.59	3.04	2.82	2.92	3.35	4.22	2.84	3.19	2.68
31	2.03	---	1.03	---	3.45	---	2.84	3.69	---	2.81	---	2.65
Mean	2.03	1.97	1.57	.66	2.27	3.83	2.85	3.12	4.27	3.39	2.58	2.87
Max	2.21	2.25	1.90	.99	3.45	4.59	3.16	3.69	4.52	4.19	3.47	3.31
Min	1.80	1.73	1.03	.55	.58	2.82	2.53	2.51	3.91	2.81	2.03	2.57

EVERGLADES NATIONAL PARK HYDROLOGIC STATION TAYLOR SLOUGH AT CONTEXT

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3.05	2.75	2.56	1.67	.83	5.15	3.94	3.84	5.67	5.27	3.71	4.47
2	3.03	2.74	2.51	1.62	.79	5.66	3.85	3.74	5.94	5.20	3.65	4.39
3	3.00	2.75	2.47	1.58	.75	5.87	3.75	3.64	6.06	5.13	2.62	4.32
4	2.97	2.73	2.44	1.54	1.59	5.84	3.65	3.55	6.04	5.05	3.61	4.25
5	2.94	2.70	2.41	1.48	3.19	5.76	3.61	3.48	6.06	4.97	3.60	4.32
6	2.91	2.66	2.38	1.42	3.08	5.65	3.68	3.79	6.08	4.90	3.60	4.40
7	2.90	2.62	2.34	1.37	3.15	5.57	3.82	3.68	6.09	4.82	3.60	4.30
8	2.85	2.59	2.30	1.33	3.35	5.49	3.92	3.61	6.07	4.74	3.58	4.23
9	2.84	2.58	2.27	1.28	3.55	5.44	3.81	4.05	6.01	4.65	3.53	4.24
10	2.82	2.56	2.77	1.24	3.88	5.56	3.69	3.89	5.95	4.55	3.47	4.19
11	2.78	2.53	2.91	1.21	4.56	5.67	3.60	4.00	5.90	4.46	3.41	4.15
12	2.75	2.51	2.84	1.20	4.54	5.56	3.50	4.25	5.87	4.37	3.30	4.13
13	2.72	2.50	2.76	1.22	4.78	5.44	3.39	4.92	5.81	4.29	3.13	4.12
14	2.71	2.48	2.69	1.23	4.79	5.32	3.31	5.00	5.76	4.22	2.97	4.09
15	2.72	2.79	2.60	1.20	4.69	5.27	3.28	4.92	5.77	4.15	2.88	4.08
16	2.73	3.00	2.53	1.17	4.59	5.17	3.70	4.83	5.84	4.21	2.88	4.65
17	2.74	2.95	2.46	1.14	4.48	5.02	4.05	4.74	5.83	4.16	2.87	4.93
18	2.75	2.90	2.39	1.11	4.38	5.02	4.05	4.70	5.82	4.13	3.20	4.77
19	2.78	2.88	2.32	1.08	4.28	5.10	4.06	4.61	5.89	4.22	3.32	4.70
20	2.80	2.86	2.26	1.04	4.17	5.10	4.04	4.50	5.89	4.13	3.28	4.66
21	2.82	2.80	2.21	1.00	4.06	5.22	3.92	4.42	5.87	4.05	3.30	4.58
22	2.84	2.75	2.16	.96	3.95	5.03	3.86	4.68	5.87	4.17	3.32	4.53
23	2.86	2.72	2.10	.93	3.85	4.86	4.03	5.11	5.84	4.34	4.67	4.51
24	2.88	2.69	2.05	1.02	3.74	4.72	4.53	4.98	5.78	4.23	5.25	4.50
25	2.90	2.64	1.99	1.16	3.64	4.58	4.92	4.86	5.76	4.19	5.08	4.45
26	2.91	2.59	1.95	1.08	3.71	4.44	4.63	4.75	5.66	4.13	4.92	4.37
27	2.92	2.56	1.90	1.03	4.40	4.36	4.48	4.75	5.56	3.95	4.80	4.33
28	2.88	2.59	1.85	.97	5.10	4.20	4.29	4.83	5.49	3.87	4.71	4.30
29	2.85	---	1.81	.92	4.91	4.10	4.16	4.76	5.42	3.85	4.64	4.27
30	2.82	---	1.76	.87	4.85	4.05	4.06	4.93	5.35	3.80	4.55	4.25
31	2.79	---	1.71	---	5.17	---	3.95	5.53	---	3.75	---	4.22
Mean	2.85	2.69	2.31	1.20	3.77	5.14	3.92	4.43	5.83	4.39	3.75	4.38
Max	3.05	3.00	2.91	1.67	5.17	5.87	4.92	5.53	6.09	5.27	5.25	4.93
Min	2.71	2.48	1.71	.87	.75	4.05	3.28	3.48	5.35	3.75	2.87	4.08

EVERGLADES NATIONAL PARK HYDROLOGIC STATION NP-103

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	5.84	5.76	5.48	3.87	2.48	5.15	6.86	6.05	6.74	6.51	6.15	6.00
2	5.81	5.75	5.43	3.79	2.44	5.16	6.65	6.00	6.64	6.48	6.12	5.98
3	5.93	5.74	5.39	3.73	2.40	5.74	6.51	5.95	6.58	6.47	6.08	5.95
4	5.92	5.72	5.35	3.65	2.37	5.67	6.49	5.91	6.60	6.45	6.06	5.93
5	5.89	5.70	5.33	3.57	2.37	5.64	6.48	5.86	6.78	6.44	6.12	5.91
6	5.87	5.67	5.29	3.49	2.37	5.58	6.47	5.83	6.73	6.42	6.15	6.12
7	5.85	5.65	5.26	3.45	4.81	5.54	6.50	5.83	6.70	6.40	6.19	6.11
8	5.84	5.62	5.21	3.41	4.85	5.47	6.47	5.84	6.96	6.38	6.22	6.07
9	5.81	5.62	5.17	3.34	4.85	5.45	6.44	5.83	6.84	6.37	6.23	6.08
10	5.80	5.59	5.14	3.28	5.42	5.59	6.43	5.79	6.73	6.35	6.24	6.09
11	5.80	5.57	5.12	3.24	5.70	5.57	6.39	6.23	6.71	6.54	6.23	6.07
12	5.77	5.53	5.08	3.21	5.69	5.55	6.35	6.46	6.68	6.32	6.22	6.04
13	5.75	5.51	5.05	3.17	5.60	5.56	6.30	6.38	6.66	6.30	6.18	6.01
14	5.71	5.81	5.00	3.13	5.49	5.55	6.27	6.30	6.65	6.20	6.16	6.00
15	5.93	5.83	4.98	3.08	5.40	5.52	6.24	6.30	6.64	6.27	6.12	5.99
16	5.97	5.83	4.90	3.01	5.32	5.51	6.26	6.29	6.62	6.25	6.10	5.97
17	5.97	5.80	4.85	2.97	5.24	5.47	6.42	6.30	6.65	6.23	6.09	6.25
18	5.94	5.76	4.81	2.92	5.14	5.51	6.37	6.30	6.64	6.22	6.06	6.24
19	5.93	5.74	4.74	2.87	5.07	6.07	6.35	6.30	6.63	6.21	6.04	6.22
20	5.91	5.71	4.68	2.81	5.00	6.01	6.35	6.33	6.62	6.19	6.01	6.21
21	5.89	5.67	4.63	2.76	4.88	6.52	6.33	6.31	6.60	6.26	5.97	6.20
22	5.88	5.63	4.55	2.72	4.78	6.43	6.30	6.25	6.60	6.37	6.11	6.19
23	5.86	5.58	4.49	2.68	4.68	6.32	6.27	6.21	6.60	6.35	6.08	6.19
24	5.85	5.57	4.40	2.73	4.57	6.33	6.40	6.20	6.61	6.34	6.20	6.18
25	5.82	5.54	4.33	2.74	4.47	6.33	6.35	6.15	6.50	6.32	6.17	6.19
26	5.79	5.49	4.28	2.71	4.84	6.32	6.27	6.09	6.59	6.30	6.14	6.19
27	5.78	5.45	4.22	2.67	4.93	6.31	6.23	6.05	6.58	6.29	6.11	6.18
28	5.77	5.48	4.15	2.60	4.93	6.27	6.16	6.15	6.56	6.27	6.07	6.16
29	5.82	---	4.07	2.55	4.87	6.25	6.14	6.12	6.54	6.26	6.05	6.14
30	5.81	---	4.01	2.51	4.74	6.59	6.08	6.27	6.52	6.22	6.04	6.13
31	5.78	---	3.94	---	4.75	---	6.07	6.27	---	6.19	---	6.10
Mean	5.85	5.65	4.82	3.09	4.53	5.83	6.36	6.13	6.65	6.54	6.12	6.10
Max	5.97	5.83	5.48	3.87	5.70	6.59	6.86	6.46	6.96	6.19	6.24	6.25
Min	5.71	5.45	3.94	2.51	2.37	5.15	6.07	5.79	6.50	6.35	5.97	5.91

EVERGLADES NATIONAL PARK HYDROLOGIC STATION SHARK SLOUGH: CONSERVATION AREA 3-B

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.12	6.90	6.70	6.06	5.65	6.62	6.67	6.70	6.98	7.50	7.01	7.02
2	7.10	6.90	6.69	6.05	5.65	6.74	6.66	6.68	7.24	7.50	7.00	7.01
3	7.13	6.90	6.68	6.03	5.64	6.78	6.65	6.66	7.34	7.50	6.99	7.00
4	7.15	6.90	6.66	6.01	6.01	6.81	6.63	6.63	7.34	7.36	7.02	6.99
5	7.14	6.89	6.64	5.99	6.55	6.81	6.63	6.61	7.33	7.34	7.10	6.98
6	7.12	6.88	6.63	5.99	6.39	6.81	6.63	6.65	7.33	7.33	7.10	7.01
7	7.12	6.87	6.63	5.98	6.35	6.80	6.65	6.76	7.34	7.32	7.08	7.02
8	7.10	6.86	6.64	5.97	6.34	6.79	6.69	6.76	7.34	7.31	7.06	7.01
9	7.09	6.86	6.66	5.96	6.66	6.80	6.70	6.75	7.33	7.31	7.06	7.01
10	7.09	6.86	6.66	5.95	6.88	6.87	6.70	6.74	7.33	7.30	7.05	7.06
11	7.07	6.85	6.67	5.93	6.85	6.87	6.69	6.74	7.33	7.28	7.03	7.05
12	7.05	6.84	6.65	5.91	6.82	6.86	6.67	6.76	7.32	7.26	7.01	7.04
13	7.01	6.83	6.62	5.90	6.81	6.85	6.66	6.79	7.31	7.23	6.99	7.03
14	6.96	6.84	6.60	5.88	6.79	6.84	6.65	6.80	7.29	7.18	6.98	7.03
15	6.98	6.89	6.57	5.86	6.77	6.83	6.64	6.79	7.25	7.18	6.97	7.02
16	7.02	6.89	6.54	5.84	6.75	6.82	6.66	6.78	7.22	7.13	6.97	7.02
17	7.02	6.87	6.51	5.83	6.73	6.81	6.67	6.78	7.22	7.11	6.96	7.04
18	7.00	6.81	6.48	5.82	6.72	6.80	6.67	6.82	7.22	7.10	6.96	7.08
19	7.00	6.81	6.45	5.81	6.71	6.79	6.66	6.88	7.22	7.09	6.96	7.07
20	6.98	6.80	6.42	5.80	6.70	6.78	6.65	6.93	7.23	7.07	6.95	7.07
21	6.97	6.79	6.39	5.78	6.68	6.77	6.63	6.90	7.24	7.06	6.94	7.06
22	6.95	6.78	6.36	5.77	6.65	6.76	6.61	6.88	7.24	7.08	6.94	7.04
23	6.94	6.77	7.33	5.76	6.61	6.75	6.65	6.87	7.24	7.11	6.94	7.03
24	6.94	6.78	6.29	5.75	6.58	6.74	6.78	6.86	7.29	7.11	7.00	7.01
25	6.93	6.75	6.26	5.73	6.56	6.73	6.77	6.85	7.34	7.10	7.04	7.01
26	6.92	6.73	6.24	5.71	6.58	6.72	6.75	6.83	7.41	7.09	7.04	7.00
27	6.91	6.72	6.22	5.70	6.61	6.70	6.74	6.83	7.52	7.08	7.04	6.99
28	6.90	6.71	6.19	5.69	6.64	6.68	6.72	6.83	7.51	7.07	7.03	6.98
29	6.92	---	6.16	5.67	6.62	6.68	6.72	6.82	7.50	7.05	7.03	6.97
30	6.91	---	6.12	5.65	6.59	6.68	6.70	6.83	7.50	7.04	7.03	6.96
31	6.91	---	6.08	---	6.58	---	6.70	6.89	---	7.03	---	6.95
Mean	7.01	6.83	6.48	5.86	6.53	6.78	6.68	6.79	7.31	7.20	7.01	7.02
Max	7.15	6.90	6.70	6.06	6.88	6.87	6.78	6.93	7.52	7.50	7.10	7.08
Min	6.90	6.71	6.08	5.65	5.64	6.62	6.61	6.61	6.98	7.03	6.94	6.95

EVERGLADES NATIONAL PARK HYDROLOGIC STATION N.E. SHARK SLOUGH #1

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.55	6.43	6.29	5.52	5.29	6.38	6.32	6.33	6.67	6.93	5.74	5.74
2	6.53	6.42	6.27	5.50	5.28	6.56	6.32	6.32	6.82	6.91	5.73	5.73
3	6.57	6.42	6.26	5.48	5.27	6.63	6.30	6.30	6.95	6.88	5.72	5.73
4	6.59	6.41	6.25	5.46	5.37	6.68	6.28	6.30	6.97	6.08	5.71	5.72
5	6.58	6.40	6.23	5.44	5.59	6.67	6.28	6.28	6.99	6.07	5.72	5.71
6	6.57	6.39	6.21	5.42	5.81	6.66	6.32	6.31	7.03	6.05	5.72	5.74
7	6.56	6.38	6.19	5.41	5.73	6.65	6.39	6.38	7.03	6.04	5.72	5.77
8	6.55	6.37	6.18	5.40	5.76	6.65	6.49	6.36	7.04	6.02	5.72	5.76
9	6.55	6.37	6.18	5.40	6.00	6.64	6.45	6.36	7.04	6.00	5.72	5.76
10	6.54	6.35	6.21	5.40	6.09	6.63	6.41	6.34	7.04	5.98	5.71	5.76
11	6.53	6.35	6.23	5.39	6.34	6.61	6.39	6.35	7.03	5.96	5.70	5.76
12	6.51	6.34	6.20	5.39	6.33	6.60	6.36	6.40	7.00	5.95	5.68	5.75
13	6.51	6.33	6.18	5.39	6.31	6.58	6.34	6.45	6.98	5.93	5.67	5.75
14	6.50	6.36	6.12	5.39	6.28	6.57	6.31	6.47	6.98	5.90	5.66	5.75
15	6.52	6.44	6.07	5.39	6.25	6.56	6.30	6.46	6.97	5.88	5.65	5.74
16	6.55	6.43	6.04	5.39	6.22	6.53	6.33	6.44	6.97	5.87	5.64	5.74
17	6.55	6.41	6.02	5.38	6.19	6.50	6.37	6.45	6.96	5.85	5.64	5.78
18	6.54	6.39	5.99	5.38	6.15	6.51	6.36	6.49	6.94	5.83	5.63	5.83
19	6.53	6.38	5.96	5.37	6.12	6.50	6.34	6.53	6.95	6.81	5.63	5.83
20	6.52	6.37	5.94	5.36	6.09	6.51	6.32	6.55	6.95	5.80	5.62	5.82
21	6.51	6.35	5.91	5.35	6.06	6.50	6.30	6.53	6.95	5.78	5.62	5.82
22	6.50	6.34	5.87	5.35	6.04	6.49	6.28	6.51	6.95	5.80	5.63	5.80
23	6.49	6.34	5.83	5.34	6.02	6.47	6.32	6.50	6.95	5.82	5.63	5.79
24	6.49	6.33	5.80	5.33	6.00	6.44	6.43	6.49	6.95	5.82	5.69	5.78
25	6.48	6.32	5.77	5.33	6.15	6.41	6.40	6.47	6.95	5.82	5.74	5.77
26	6.47	6.31	5.73	5.33	6.42	6.39	6.40	6.46	6.95	5.81	5.75	5.77
27	6.46	6.30	5.69	5.32	6.43	6.35	6.41	6.44	6.98	5.80	5.75	5.76
28	6.45	6.30	5.66	5,31	6.40	6.30	6.39	6.44	6.99	5.78	5.74	5.74
29	6.46	---	5.62	5.30	6.37	6.30	6.37	6.43	6.97	5.77	5.74	5.73
30	6.45	---	5.57	5.30	6.34	6.31	6.35	6.48	6.95	5.76	5.74	5.72
31	6.43	---	5.55	---	6.33	---	6.33	6.63	---	5.75	---	5.72
Mean	6.52	6.37	6.00	5.38	6.03	6.52	6.35	6.43	6.96	5.98	5.69	5.76
Max	6.59	6.44	6.29	5.52	6.43	6.68	6.49	6.63	7.04	6.93	5.75	5.83
Min	6.43	6.30	5.55	5.30	5.27	6.30	6.28	6.28	6.67	5.75	5.62	5.71

EVERGLADES NATIONAL PARK HYDROLOGIC STATION N.E. SHARK SLOUGH #2

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.25	6.12	5.74	5.17	5.12	6.10	5.96	5.70	6.42	6.64	5.62	5.56
2	6.24	6.12	5.67	5.16	5.12	6.25	5.94	5.63	6.61	6.62	5.60	5.55
3	6.27	6.11	5.62	5.16	5.12	6.32	5.89	5.58	6.71	6.60	5.60	5.55
4	6.28	6.09	5.60	5.15	5.27	6.32	5.83	5.51	6.72	5.98	5.63	5.53
5	6.27	6.08	5.58	5.15	5.63	6.32	5.85	5.43	6.73	5.97	5.66	5.52
6	6.27	6.07	5.55	5.15	5.74	6.31	5.86	5.68	6.76	5.95	5.66	5.56
7	6.26	6.04	5.51	5.15	5.73	6.30	5.84	5.90	6.79	5.94	5.64	5.58
8	6.25	6.03	5.46	5.14	5.78	6.29	5.85	5.91	6.78	5.93	5.64	5.57
9	6.25	6.03	5.45	5.14	5.92	6.28	5.85	5.94	6.77	5.91	5.61	5.57
10	6.24	6.01	5.53	5.14	5.94	6.29	5.82	5.94	6.76	5.88	5.60	5.59
11	6.23	5.99	5.52	5.14	6.02	6.28	5.79	5.93	6.75	5.85	5.58	5.58
12	6.22	5.98	5.48	5.14	6.03	6.27	5.77	5.95	6.73	5.84	5.56	5.56
13	6.21	5.96	5.44	5.14	6.02	6.27	5.73	5.97	6.72	5.82	5.55	5.56
14	6.21	5.96	5.39	5.14	6.00	6.28	5.70	5.99	6.72	5.79	5.53	5.56
15	6.21	6.00	5.36	5.14	5.99	6.26	5.69	5.98	6.68	5.78	5.51	5.56
16	6.22	6.00	5.32	5.14	5.97	6.24	5.76	5.97	6.67	5.77	5.49	5.55
17	6.22	6.00	5.30	5.14	5.95	6.20	5.81	5.98	6.65	5.75	5.48	5.61
18	6.22	6.00	5.29	5.13	5.91	6.18	5.80	6.04	6.68	5.72	5.47	5.67
19	6.22	5.99	5.28	5.13	5.87	6.18	5.79	6.09	6.73	5.70	5.46	5.66
20	6.22	5.97	5.27	5.13	5.83	6.17	5.77	6.15	6.73	5.69	5.45	5.65
21	6.22	5.93	5.25	5.13	5.79	6.17	5.74	6.17	6.72	5.68	5.44	5.65
22	6.21	5.88	5.24	5.13	5.77	6.15	5.71	6.17	6.70	5.70	5.46	5.63
23	6.21	5.86	5.23	5.13	5.73	6.14	5.76	6.20	6.67	5.73	5.45	5.61
24	6.21	5.84	5.22	5.12	5.68	6.11	5.92	6.19	6.68	5.72	5.54	5.60
25	6.20	5.80	5.21	5.12	5.78	6.08	5.90	6.18	6.71	5.71	5.59	5.59
26	6.20	5.77	5.20	5.12	6.26	6.05	5.88	6.16	6.71	5.70	5.58	5.59
27	6.19	5.75	5.20	5.12	6.24	6.03	5.87	6.15	6.74	5.69	5.57	5.57
28	6.16	5.76	5.19	5.12	6.21	6.01	5.83	6.15	6.73	5.68	5.57	5.56
29	6.15	---	5.18	5.12	6.17	5.99	5.79	6.14	6.70	5.67	5.56	5.54
30	6.15	---	5.18	5.12	6.13	5.98	5.76	6.21	6.67	5.66	5.56	5.54
31	6.13	---	5.17	---	6.10	---	5.72	6.33	---	5.65	---	5.54
Mean	6.22	5.97	5.38	5.14	5.83	6.19	5.81	5.98	6.70	5.86	5.56	5.58
Max	6.28	6.12	5.74	5.17	6.26	6.32	5.96	6.3	6.79	6.64	5.66	5.67
Min	6.13	5.75	5.17	5.12	5.12	5.98	5.69	5.43	6.42	5.65	5.44	5.52

EVERGLADES NATIONAL PARK HYDROLOGIC STATION L-67 EXT: SOUTH END

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.89	6.74	6.59	6.44	6.16	6.45	6.48	6.52	6.70	6.92	6.94	7.00
2	6.88	6.73	6.57	6.44	6.13	6.53	6.48	6.52	6.79	6.91	6.94	6.99
3	6.90	6.72	6.56	6.44	6.10	6.57	6.47	6.51	6.88	6.90	6.94	6.99
4	6.92	6.72	6.56	6.43	6.23	6.56	6.46	6.51	6.91	6.90	6.94	6.97
5	6.91	6.71	6.55	6.43	6.36	6.51	6.45	6.51	6.96	6.89	6.96	6.96
6	6.89	6.69	6.54	6.44	6.38	6.48	6.48	6.53	7.04	6.89	6.98	6.98
7	6.88	6.68	6.54	6.43	6.39	6.45	6.51	6.54	7.06	6.89	6.98	7.00
8	6.87	6.67	6.54	6.43	6.39	6.49	6.53	6.54	7.04	6.89	6.98	6.99
9	6.86	6.67	6.53	6.42	6.41	6.53	6.51	6.55	7.07	6.89	6.98	6.97
10	6.86	6.66	6.53	6.42	6.46	6.63	6.50	6.53	7.03	6.89	6.98	6.98
11	6.85	6.65	6.54	6.44	6.51	6.62	6.50	6.54	7.03	6.89	6.98	6.98
12	6.84	6.64	6.53	6.45	6.47	6.61	6.49	6.58	7.00	6.89	6.97	6.97
13	6.82	6.63	6.52	6.46	6.46	6.61	6.49	6.63	6.99	6.89	6.96	6.96
14	6.81	6.66	6.52	6.45	6.45	6.61	6.49	6.61	6.99	6.89	6.95	6.95
15	6.83	6.74	6.51	6.44	6.45	6.61	6.49	6.59	6.97	6.89	6.95	6.95
16	6.86	6.73	6.51	6.44	6.44	6.62	6.50	6.58	6.96	6.89	6.95	6.94
17	6.87	6.71	6.50	6.43	6.44	6.61	6.51	6.59	6.95	6.89	6.95	6.99
18	6.86	6.69	6.49	6.41	6.43	6.59	6.50	6.61	6.94	6.88	6.95	7.01
19	6.85	6.67	6.49	6.40	6.42	6.58	6.50	6.61	6.93	6.89	6.95	6.99
20	6.84	6.65	6.48	6.39	6.42	6.57	6.50	6.59	6.93	6.89	6.95	6.97
21	6.83	6.64	6.48	6.37	6.41	6.56	6.49	6.58	6.92	6.89	6.94	6.95
22	6.82	6.62	6.47	6.36	6.40	6.55	6.48	6.57	6.92	6.91	6.97	6.90
23	6.81	6.61	6.47	6.34	6.39	6.55	6.52	6.57	6.91	6.93	6.96	6.90
24	6.80	6.60	6.46	6.35	6.38	6.54	6.56	6.57	6.92	6.94	7.01	6.94
25	6.80	6.60	6.46	6.35	6.40	6.54	6.54	6.56	6.92	6.94	7.05	6.95
26	6.79	6.59	6.45	6.33	6.43	6.53	6.53	6.56	6.93	6.94	7.04	6.95
27	6.77	6.58	6.45	6.30	6.44	6.52	6.53	6.56	6.96	6.94	7.02	6.92
28	6.76	6.59	6.44	6.27	6.44	6.51	6.52	6.56	6.95	6.94	7.02	6.90
29	6.76	---	6.44	6.23	6.42	6.49	6.52	6.56	6.95	6.94	7.01	6.88
30	6.76	---	6.45	6.19	6.41	6.49	6.52	6.62	6.93	6.94	7.00	6.87
31	6.74	---	6.45	---	6.42	---	6.52	6.69	---	6.94	---	6.86
Mean	6.84	6.66	6.50	6.39	6.39	6.55	6.50	6.57	6.95	6.91	6.97	6.95
Max	6.92	6.74	6.59	6.46	6.51	6.63	6.56	6.69	7.07	6.94	7.05	7.01
Min	6.74	6.58	6.44	6.19	6.10	6.45	6.45	6.51	6.70	6.88	6.94	6.86

EVERGLADES NATIONAL PARK HYDROLOGIC STATION L-67 EXT. (NEAR RICHMOND)

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	7.08	6.96	6.75	6.43	5.86	6.21	6.27	6.50	6.73	6.97	7.10	7.13
2	7.07	6.95	6.73	6.41	5.83	6.37	6.25	6.49	6.83	6.97	7.09	7.12
3	7.09	6.93	6.71	6.39	5.81	6.41	6.23	6.47	6.92	6.97	7.09	7.11
4	7.11	6.93	6.69	6.37	5.98	6.41	6.22	6.46	6.96	6.95	7.10	7.10
5	7.10	6.92	6.69	6.36	6.25	6.40	6.21	6.44	7.00	6.95	7.14	7.09
6	7.09	6.91	6.67	6.36	6.40	6.38	6.26	6.47	7.04	6.96	7.16	7.11
7	7.08	6.89	6.67	6.34	6.38	6.36	6.35	6.49	7.05	6.97	7.16	7.13
8	7.07	6.88	6.65	6.32	6.38	6.35	6.37	6.49	7.04	6.98	7.16	7.11
9	7.06	6.88	6.64	6.30	6.45	6.37	6.34	6.49	7.05	6.99	7.15	7.10
10	7.06	6.87	6.64	6.29	6.49	6.41	6.33	6.48	7.02	7.00	7.15	7.11
11	7.06	6.85	6.64	6.31	6.54	6.38	6.37	6.52	7.00	7.01	7.14	7.11
12	7.04	6.84	6.62	6.32	6.51	6.36	6.37	6.59	6.98	7.02	7.12	7.09
13	7.03	6.83	6.61	6.32	6.49	6.34	6.36	6.67	6.97	7.02	7.11	7.08
14	7.02	6.84	6.60	6.30	6.45	6.32	6.35	6.64	6.90	7.02	7.11	7.07
15	7.04	6.88	6.59	6.27	6.41	6.31	6.35	6.61	6.85	7.02	7.10	7.05
16	7.08	6.87	6.58	6.25	6.36	6.29	6.36	6.59	6.85	7.02	7.10	7.03
17	7.08	6.86	6.57	6.23	6.32	6.27	6.37	6.60	6.85	7.02	7.10	7.07
18	7.07	6.85	6.56	6.20	6.28	6.26	6.39	6.62	6.85	7.03	6.10	7.09
19	7.07	6.84	6.55	6.17	6.24	6.26	6.38	6.61	6.80	7.03	7.10	7.07
20	7.06	6.84	6.54	6.15	6.22	6.28	6.36	6.59	6.81	7.04	7.09	7.04
21	7.05	6.82	6.54	6.13	6.18	6.30	6.34	6.58	6.82	7.04	7.09	7.02
22	7.04	6.81	6.53	6.10	6.16	6.28	6.32	6.56	6.80	7.06	7.11	7.01
23	7.03	6.80	6.52	6.08	6.14	6.27	6.36	6.56	6.80	7.09	7.10	6.98
24	7.02	6.78	6.51	6.07	6.11	6.25	6.44	6.55	6.80	7.09	7.16	6.97
25	7.01	6.78	6.50	6.08	6.13	6.24	6.44	6.55	6.85	7.10	7.20	6.96
26	7.00	6.76	6.50	6.04	6.19	6.22	6.46	6.55	6.90	7.10	7.19	6.95
27	6.98	6.74	6.49	6.00	6.23	6.21	6.49	6.55	6.90	7.11	7.17	6.94
28	6.97	6.76	6.48	5.96	6.22	6.21	6.51	6.56	6.90	7.10	7.16	6.92
29	6.98	---	6.46	5.92	6.18	6.25	6.50	6.55	6.85	7.10	7.15	6.91
30	6.97	---	6.45	5.89	6.15	6.28	6.49	6.61	6.85	7.10	7.14	6.90
31	6.96	---	6.45	---	6.15	---	6.51	6.70	---	7.10	---	6.90
Mean	7.04	6.85	6.58	6.21	6.24	6.31	6.37	6.55	6.90	7.03	7.13	7.04
Max	7.11	6.96	6.75	6.43	6.54	6.41	6.51	6.70	7.05	7.11	7.20	7.13
Min	6.96	6.74	6.45	5.89	5.81	6.21	6.21	6.44	6.73	6.95	7.09	6.90

EVERGLADES NATIONAL PARK HYDROLOGIC STATION L-67A TO 40 MILE BEND

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	9.29	9.11	8.81	8.14	7.77	8.01	8.57	8.53	8.81	9.67	9.54	9.40
2	9.30	9.11	8.80	8.12	7.77	8.09	8.59	8.53	8.93	9.67	9.52	9.40
3	9.28	9.09	8.77	8.09	7.75	8.19	8.60	8.52	9.02	9.67	9.51	9.38
4	9.31	9.06	8.74	8.04	7.79	8.30	8.60	8.51	9.07	9.68	9.48	9.37
5	9.31	9.06	8.72	7.96	7.98	8.32	8.59	8.48	9.10	9.69	9.51	9.36
6	9.29	9.06	8.67	8.01	8.19	8.31	8.59	8.50	9.13	9.69	9.52	9.37
7	9.27	9.06	8.67	8.04	8.12	8.26	8.62	8.58	9.13	9.69	9.52	9.40
8	9.26	9.05	8.69	8.03	8.10	8.27	8.64	8.54	9.14	9.70	9.51	9.39
9	9.25	9.04	8.68	7.99	8.10	8.30	8.66	8.54	9.18	9.71	9.50	9.39
10	9.22	9.05	8.67	7.97	8.17	8.47	8.67	8.53	9.20	9.73	9.50	9.45
11	9.23	9.04	8.63	8.00	8.27	8.49	8.63	8.56	9.24	9.75	9.50	9.45
12	9.23	9.02	8.60	7.98	8.29	8.50	8.63	8.59	9.26	9.74	9.50	9.44
13	9.20	9.00	8.58	7.94	8.28	8.50	8.62	8.64	9.28	9.74	9.50	9.42
14	9.17	8.99	8.55	7.94	8.24	8.51	8.60	8.65	9.29	9.74	9.48	9.40
15	9.16	9.05	8.54	7.92	8.25	8.52	8.58	8.64	9.32	9.74	9.47	9.40
16	9.20	9.05	8.51	7.88	8.24	8.53	8.59	8.64	9.33	9.74	9.47	9.40
17	9.22	9.04	8.50	7.86	8.23	8.52	8.59	8.62	9.35	9.74	9.45	9.46
18	9.22	9.04	8.48	7.84	8.20	8.55	8.59	8.63	9.36	9.70	9.45	9.52
19	9.23	8.99	8.47	7.86	8.19	8.55	8.59	8.65	9.38	9.69	9.44	9.51
20	9.21	8.96	8.45	7.85	8.15	8.59	8.59	8.68	9.44	9.69	9.43	9.50
21	9.18	8.96	8.42	7.86	8.14	8.62	8.57	8.68	9.48	9.67	9.42	9.48
22	9.20	8.92	8.40	7.84	8.11	8.62	8.56	8.65	9.54	9.64	9.42	9.48
23	9.19	8.91	8.39	7.83	8.07	8.62	8.58	8.66	9.61	9.65	9.40	9.49
24	9.19	8.88	8.38	7.78	8.03	8.61	8.65	8.67	9.62	9.68	9.44	9.47
25	9.16	8.88	8.34	7.79	7.99	8.60	8.64	8.66	9.64	9.68	9.48	9.47
26	9.15	8.88	8.33	7.80	8.00	8.60	8.60	8.64	9.69	9.68	9.47	9.47
27	9.15	8.88	8.29	7.81	8.03	8.57	8.57	8.64	9.67	9.65	9.45	9.47
28	9.10	8.87	8.28	7.81	8.02	8.57	8.54	8.64	9.65	9.60	9.42	9.46
29	9.12	---	8.24	7.81	8.02	8.56	8.54	8.66	9.66	9.59	9.42	9.45
30	9.14	---	8.20	7.79	8.01	8.56	8.53	8.70	9.66	9.56	9.42	9.44
31	9.11	---	8.20	---	8.02	---	8.53	8.80	---	9.55	---	9.42
Mean	9.21	9.00	8.52	7.92	8.08	8.46	8.60	8.61	9.34	9.68	9.47	9.44
Max	9.31	9.11	8.81	8.14	8.29	8.62	8.67	8.80	9.69	9.75	9.54	9.52
Min	9.10	8.87	8.20	7.78	7.75	8.01	8.53	8.48	8.81	9.55	9.40	9.36

EVERGLADES NATIONAL PARK HYDROLOGIC STATION TAMIAMI CANAL OUTLETS L-30 to 67A

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	6.56	6.47	6.30	5.32	4.32	6.33	6.31	6.28	6.64	6.82	6.60	6.58
2	6.55	6.47	6.28	5.26	4.31	6.49	6.29	6.25	6.68	6.81	6.62	6.58
3	6.58	6.47	6.26	5.20	4.29	6.52	6.27	6.23	6.72	6.80	6.62	6.57
4	6.59	6.47	6.25	5.15	4.77	6.52	6.25	6.19	6.76	6.77	6.61	6.57
5	6.58	6.46	6.23	5.09	5.85	6.51	6.23	6.16	6.80	6.76	6.60	6.56
6	6.58	6.44	6.22	5.04	6.23	6.51	6.23	6.29	6.82	6.74	6.59	6.58
7	6.57	6.43	6.19	4.98	6.23	6.49	6.30	6.41	6.84	6.74	6.59	6.58
8	6.56	6.43	6.16	4.93	6.27	6.48	6.37	6.40	6.85	6.73	6.57	6.58
9	6.56	6.42	6.14	4.88	6.35	6.49	6.35	6.40	6.86	6.72	6.56	6.58
10	6.56	6.41	6.16	4.83	6.37	6.55	6.34	6.38	6.86	6.71	6.54	6.60
11	6.55	6.40	6.16	4.95	6.43	6.54	6.33	6.38	6.84	6.70	6.55	6.59
12	6.54	6.40	6.14	5.02	6.43	6.52	6.29	6.40	6.83	6.69	6.56	6.58
13	6.53	6.39	6.11	5.10	6.42	6.51	6.27	6.43	6.82	6.67	6.55	6.58
14	6.53	6.40	6.08	5.08	6.40	6.50	6.25	6.45	6.81	6.65	6.54	6.58
15	6.55	6.46	6.06	5.02	6.39	6.49	6.23	6.46	6.80	6.65	6.56	6.58
16	6.58	6.45	6.03	4.97	6.37	6.49	6.30	6.48	6.78	6.62	6.57	6.58
17	6.57	6.44	5.99	4.92	6.35	6.47	6.32	6.49	6.76	6.61	6.58	6.60
18	6.56	6.42	5.96	4.86	6.33	6.46	6.31	6.49	6.74	6.61	6.58	6.62
19	6.55	6.41	5.92	4.80	6.32	6.45	6.29	6.48	6.72	6.60	6.57	6.61
20	6.54	6.41	5.88	4.75	6.30	6.44	6.27	6.46	6.70	6.61	6.56	6.60
21	6.53	6.39	5.84	4.71	6.27	6.45	6.24	6.44	6.77	6.64	6.56	6.60
22	6.52	6.38	5.83	4.67	6.26	6.43	6.22	6.42	6.82	6.63	6.55	6.59
23	6.52	6.37	5.76	4.68	6.23	6.42	6.25	6.41	6.85	6.62	6.55	6.58
24	6.51	6.36	5.70	4.66	6.21	6.41	6.40	6.40	6.89	6.62	6.54	6.58
25	6.51	6.34	5.66	4.66	6.25	6.38	6.39	6.39	6.92	6.61	6.54	6.58
26	6.49	6.33	5.63	4.60	6.39	6.37	6.37	6.37	6.90	6.60	6.55	6.57
27	6.49	6.32	5.58	4.53	6.36	6.35	6.36	6.36	6.88	6.59	6.56	6.56
28	6.48	6.32	5.53	4.48	6.35	6.33	6.34	6.34	6.87	6.59	6.56	6.55
29	6.49	---	5.47	4.42	6.32	6.33	6.33	6.40	6.86	6.58	6.57	6.54
30	6.49	---	5.42	4.37	6.30	6.33	6.31	6.44	6.85	6.58	6.58	6.54
31	6.48	---	5.37	---	6.29	---	6.30	6.56	---	6.57	---	6.54
Mean	6.54	6.41	5.95	4.86	6.06	6.45	6.30	6.39	6.81	6.67	6.57	6.58
Max	6.59	6.47	6.30	5.32	6.43	6.55	6.40	6.56	6.92	6.82	6.62	6.62
Min	6.48	6.32	5.37	4.37	4.29	6.33	6.22	6.16	6.64	6.57	6.54	6.54

EVERGLADES NATIONAL PARK HYDROLOGIC STATION FLORIDA BAY AT FLAMINGO (LOW TIDE)

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	-.04	-.12	-.95	-.13	-.45	.97	-.15	.18	.50	.69	.11	.31
2	-.52	-.24	-.92	-.01	-.53	.60	-.20	.29	.87	.56	.40	.27
3	.14	-.35	-.63	-.13	-.04	.91	-.10	.30	.62	.65	.72	.20
4	-.11	-.29	-.07	.11	-.31	.29	-.06	.02	.55	.23	.89	.23
5	-.23	-.24	-.02	.78	-.39	.21	-.06	-.11	.58	-.13	.78	.41
6	-.19	-.18	-.07	-.09	-.06	.27	.03	.06	.46	.28	.73	.53
7	.20	-.12	-.16	-.78	-.07	.57	.21	.10	.37	.10	.72	-.29
8	.35	-.03	-.43	-1.00	.00	.81	.23	.10	.31	.40	.61	-.61
9	.48	.04	-.74	-.79	.10	.87	.08	.12	.26	.56	.37	-.22
10	.35	.20	-.52	-.62	.53	.55	-.01	.15	.28	.69	.36	-.42
11	.26	.11	-.19	-.74	.51	.23	-.07	.20	.43	.54	-.09	-.52
12	.40	-.08	-.31	-.98	-.38	.19	-.11	.20	.38	.47	-.32	-.41
13	.53	.01	-.19	-.40	-.81	.06	-.01	.24	.42	.32	-.19	-.18
14	.68	.05	-.20	-.14	-.23	-.03	-.12	.51	.54	.07	-.29	.24
15	.07	.00	-.19	.01	-.05	.00	.48	.19	.37	-.02	.13	.20
16	-.08	-.31	-.23	-.10	.32	.61	-.02	.13	.38	.08	.26	.23
17	-.42	-.54	-.09	-.19	-.41	.03	-.11	.23	.32	-.10	.44	.38
18	.06	-.49	.14	-.32	-.50	.09	.10	.36	.39	-.13	.23	.51
19	-.26	-.40	.12	.14	-.31	.01	.11	.35	.51	.10	.27	.13
20	-.20	-.08	-.08	-.33	-.27	-.02	.14	.38	.59	.05	.26	.03
21	-.13	-.39	.05	-.49	-.23	-.03	.28	.50	.52	-.07	.16	.18
22	-.08	-.43	.29	-.79	-.41	.02	.29	.46	.44	-.29	.03	.08
23	-.01	-.47	-.23	-.50	-.03	-.03	.40	.27	.64	.13	.21	-.46
24	.05	-.18	-.57	-.08	.47	.14	.46	.31	.73	.24	.56	-.44
25	-.21	-.17	-.47	.26	.45	.18	.21	.11	.83	.31	.29	.02
26	-.35	-.51	-.63	.21	.56	.04	.04	.05	.92	.20	.15	-.09
27	-.18	-.32	-.73	.03	.69	-.04	.08	.15	.85	.21	-.24	-.38
28	-.06	-.11	-.76	-.40	.60	-.05	.09	.34	.86	.36	-.29	-.46
29	.07	---	-.44	-.37	.43	-.08	.11	.16	.68	.14	-.21	-.51
30	.12	---	-.45	-.32	.28	.39	.54	.30	.70	.04	.05	-.04
31	-.01	---	-.31	---	.31	---	.18	.20	---	.00	---	.05
Mean	.02	-.20	-.32	-.27	-.01	.26	.10	.22	.54	.22	.24	-.04
Max	.68	.20	.29	.78	.69	.97	.54	.51	.92	.69	.89	.53
Min	-.52	-.54	-.95	-1.00	-.81	-.08	-.20	-.11	-.26	-.29	-.32	-.61

EVERGLADES NATIONAL PARK HYDROLOGIC STATION FLORIDA BAY AT FLAMINGO (HIGH TIDE)

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	1.81	2.04	.62	2.14	1.96	3.29	2.76	2.93	2.83	2.98	2.30	2.59
2	1.95	1.97	1.34	2.45	2.03	3.89	2.77	2.65	2.86	2.81	2.38	2.33
3	2.44	1.91	1.81	2.39	2.33	3.16	2.68	2.44	2.55	2.78	2.57	2.16
4	2.33	1.84	2.45	2.68	2.50	2.90	2.46	2.39	2.63	2.55	2.59	2.30
5	2.42	1.88	2.56	2.95	2.91	2.85	2.23	2.08	2.43	1.65	2.59	2.67
6	2.48	1.92	2.54	1.97	2.75	2.83	2.16	2.25	2.40	2.11	2.73	2.49
7	2.64	1.96	2.51	1.33	2.68	2.79	2.30	2.08	2.40	1.94	2.64	1.85
8	2.69	2.01	1.92	1.53	2.48	2.63	2.22	2.16	2.40	2.62	2.86	1.38
9	2.75	2.06	1.99	1.58	2.54	2.68	2.07	2.15	2.48	2.85	2.95	2.40
10	2.70	2.12	2.42	1.47	2.45	2.53	2.11	2.28	2.61	3.02	3.04	2.65
11	2.61	2.08	2.27	1.05	2.35	2.42	2.11	2.63	2.83	2.87	2.89	2.26
12	2.53	2.04	2.15	1.45	1.79	2.41	2.21	2.59	2.91	3.05	2.34	2.42
13	2.45	1.98	2.24	1.77	1.16	2.53	2.37	2.72	3.00	3.07	2.60	2.66
14	2.57	1.95	2.28	1.99	2.17	2.33	2.49	2.71	3.02	2.69	2.48	3.01
15	2.64	1.91	2.05	2.25	2.46	2.44	2.64	2.61	2.82	2.55	2.81	2.73
16	2.05	2.30	2.22	2.29	2.24	2.56	2.53	2.67	2.80	2.78	2.63	2.42
17	2.34	2.14	2.36	2.26	2.00	2.62	2.76	2.72	2.84	2.42	2.71	2.39
18	2.31	2.00	2.59	2.09	2.11	2.64	2.65	2.62	2.81	2.21	2.33	2.40
19	2.24	2.17	2.57	2.22	2.21	2.55	2.35	2.60	2.88	2.30	2.32	2.14
20	2.16	2.31	2.47	1.99	2.25	2.36	2.63	2.62	2.87	2.11	2.42	2.49
21	2.10	1.99	2.45	1.64	1.79	2.39	2.41	2.64	2.92	2.06	2.01	2.41
22	2.15	1.76	2.34	1.69	1.97	2.22	2.57	2.60	2.93	1.96	2.27	2.45
23	2.20	1.98	2.02	2.02	2.60	2.18	2.60	2.53	3.06	2.39	2.67	1.85
24	2.10	2.06	1.59	2.43	2.52	2.24	2.61	2.55	3.18	2.72	2.99	2.13
25	2.00	1.47	1.55	2.25	2.48	2.39	2.67	2.54	3.25	2.82	3.00	2.61
26	2.02	1.68	1.23	1.95	2.47	2.44	2.57	2.77	3.41	2.76	2.86	2.97
27	2.01	1.85	.82	1.75	2.66	2.58	2.79	2.83	3.33	2.91	2.16	2.15
28	2.09	1.70	1.42	1.20	2.79	2.71	2.95	2.75	3.28	2.81	2.28	1.91
29	2.14	---	1.81	1.96	2.92	2.90	2.96	2.75	3.13	2.62	2.20	1.83
30	2.11	---	1.76	2.12	2.94	2.86	3.08	2.40	3.15	2.62	2.42	2.27
31	1.99	---	1.85	---	3.13	---	3.02	2.49	---	2.33	---	2.22
Mean	2.29	1.97	2.01	1.96	2.38	2.64	2.54	2.54	2.87	2.56	2.57	2.34
Max	2.75	2.31	2.59	2.95	3.13	3.89	3.08	2.93	3.41	3.07	3.04	3.01
Min	1.81	1.47	.62	1.05	1.16	2.18	2.07	2.08	2.40	1.65	2.01	1.38

EVERGLADES NATIONAL PARK HYDROLOGIC STATION TAMIAMI CANAL: 40 MILE BEND

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	8.22	8.15	8.06	7.56	6.39	7.67	8.07	8.00	8.18	8.54	8.25	8.23
2	8.21	8.14	8.05	7.51	6.34	7.93	8.08	8.02	8.30	8.53	8.24	8.23
3	8.22	8.13	8.04	7.46	6.29	8.01	8.06	8.01	8.39	8.52	8.23	8.23
4	8.23	8.13	8.02	7.41	6.34	8.11	8.05	8.00	8.41	8.51	8.24	8.22
5	8.22	8.13	8.02	7.36	6.59	8.12	8.06	8.00	8.44	8.50	8.27	8.21
6	8.22	8.12	8.02	7.33	6.91	8.12	8.07	8.00	8.43	8.49	8.27	8.24
7	8.21	8.11	8.01	7.32	7.06	8.12	8.08	8.03	8.43	8.48	8.26	8.26
8	8.20	8.11	8.01	7.29	7.16	8.11	8.06	8.04	8.43	8.47	8.26	8.25
9	8.18	8.11	8.00	7.24	7.19	8.11	8.04	8.05	8.44	8.46	8.26	8.25
10	8.19	8.10	7.99	7.13	7.25	8.14	8.03	8.04	8.44	8.45	8.26	8.26
11	8.19	8.10	7.99	7.09	7.56	8.15	8.01	8.10	8.44	8.44	8.26	8.27
12	8.17	8.09	7.98	7.07	7.64	8.16	7.95	8.16	8.44	8.43	8.26	8.26
13	6.17	8.09	7.97	7.02	7.62	8.16	7.98	8.16	8.44	8.42	8.25	8.26
14	8.15	8.11	7.96	6.97	7.57	8.16	8.05	8.14	8.44	8.40	8.25	8.25
15	8.18	8.15	7.95	6.88	7.52	8.16	8.07	8.12	8.44	8.39	8.24	8.25
16	8.22	8.15	7.94	6.77	7.46	8.15	8.07	8.11	8.44	8.38	8.25	8.25
17	8.22	8.13	7.93	6.67	7.42	8.14	8.06	8.10	8.44	8.37	8.27	8.31
18	8.21	8.12	7.92	6.57	7.35	6.13	8.06	8.10	8.46	8.36	8.27	8.33
19	8.21	8.11	7.90	6.47	7.30	8.12	8.06	8.09	8.48	8.35	8.26	8.32
20	8.20	8.10	7.88	6.38	7.25	8.14	8.05	8.08	8.51	8.34	8.26	8.31
21	8.20	8.09	7.87	6.28	7.21	8.17	8.05	8.08	8.50	8.33	8.25	8.30
22	8.19	8.08	7.85	6.18	7.16	8.18	8.01	8.07	8.60	6.33	8.25	8.29
23	8.17	8.07	7.84	6.09	7.13	8.17	7.95	8.09	8.62	8.33	8.24	6.29
24	8.17	8.07	7.80	6.11	7.08	8.16	7.96	8.09	8.61	8.32	8.26	8.28
25	8.17	8.06	7.78	6.23	7.05	8.15	7.89	8.08	8.59	8.31	8.27	8.27
26	8.16	8.05	7.76	6.17	7.15	8.13	7.89	8.07	8.59	8.30	8.27	8.27
27	8.15	8.04	7.73	6.07	7.66	8.11	7.90	8.06	8.58	8.29	8.26	8.26
28	8.15	8.06	7.69	6.52	7.70	8.10	7.93	8.06	8.57	8.28	8.25	8.25
29	8.16	---	7.66	6.48	7.67	8.09	7.94	8.06	8.56	8.27	8.25	8.25
30	8.15	---	7.63	6.43	7.62	8.07	7.97	8.11	8.55	8.26	8.24	8.24
31	8.14	---	8.60	---	7.59	---	7.98	8.16	---	8.26	---	8.24
Mean	8.19	8.10	7.90	6.80	7.20	8.11	8.01	8.07	8.47	8.39	8.26	8.26
Max	8.23	8.15	8.06	7.56	7.70	8.18	8.08	8.17	8.62	8.54	8.27	8.33
Min	8.14	8.04	8.60	6.07	6.29	7.67	7.89	8.00	8.18	8.26	8.23	8.21

HYDROLOGIC STATION PERIOD OF RECORD

MAXIMUMS, MINIMUMS, MEANS

AND YEAR

P-33 WATER LEVEL

Month	Mean	Max.	Year	Min.	Year
Jan.	5.90	7.28	1970	5.15	1957
Feb.	5.78	7.11	1970	4.68	1962
Mar.	5.63	7.02	1970	4.07	1963
Apr.	5.29	6.99	1970	2.80	1962
May	4.90	7.17	1958	2.25	1963
Jun.	5.68	7.18	1969	3.57	1965
Jul.	6.05	7.16	1969	4.27	1965
Aug.	6.15	7.30	1969	4.83	1956
Sept.	6.29	7.31	1969	5.27	1965
Oct.	6.33	7.67	1969	5.42	1956
Nov.	6.24	7.67	1960	5.52	1963
Dec.	6.04	7.40	1969	5.35	1961

Period of Record: 1953 to Present

P-34 WATER LEVEL

Jan.	1.65	3.03	1970	0.34	1956
Feb.	1.33	2.69	1970	0.00	1965
Mar.	0.76	2.61	1970	-1.12	1975
Apr.	0.14	2.37	1958	-2.31	1971
May	0.44	3.20	1958	-2.75	1971
Jun.	1.75	3.12	1969	-1.96	1965
Jul.	2.08	2.90	1969	0.26	1965
Aug.	2.10	2.91	1969	1.23	1956
Sept.	2.24	3.31	1960	1.35	1975
Oct.	2.26	3.39	1969	1.08	1977
Nov.	2.06	3.40	1969	0.73	1977
Dec.	1.85	3.10	1969	0.75	1956

Period of Record: 1953 to Present

P-35 WATER LEVEL

Month	Mean	Max.	Year	Min.	Year
Jan.	1.40	2.72	1970	0.08	1957
Feb.	1.28	2.47	1970	0.01	1964
Mar.	1.16	2.53	1958	0.06	1964
Apr.	1.13	2.52	1958	-0.27	1964
May	1.33	2.73	1958	0.24	1965
Jun.	1.84	3.05	1969	0.57	1965
Jul.	1.92	2.82	1970	0.45	1964
Aug.	1.97	2.85	1969	0.73	1964
Sept.	2.13	3.47	1960	1.20	1955
Oct.	2.19	3.11	1970	1.07	1961
Nov.	1.96	3.13	1969	0.85	1956
Dec.	1.63	2.74	1960	0.20	1955

Period of Record: September 1953 to Present

P-36 WATER LEVEL

Jan.	3.53	4.58	1970	3.20	1976
Feb.	3.38	4.37	1970	2.92	1968
Mar.	3.21	4.35	1970	2.29	1971
Apr.	2.83	4.13	1970	1.02	1971
May	2.62	4.20	1970	0.79	1971
Jun.	3.19	4.38	1970	0.85	1971
Jul.	3.65	4.50	1970	2.85	1977
Aug.	3.73	4.39	1969	2.99	1977
Sept.	3.83	4.75	1969	3.21	1975
Oct.	3.91	4.91	1969	3.39	1977
Nov.	3.79	4.87	1969	3.44	1977
Dec.	3.66	4.63	1969	3.46	1968

Period of Record: February 1968 to Present

P-37 WATER LEVEL

Month	Mean	Max.	Year	Min.	Year
Jan.	0.98	1.68	1960	0.15	1973
Feb.	0.83	1.47	1953	-0.23	1962
Mar.	0.50	1.30	1954	-0.96	1956
Apr.	-0.10	1.51	1956	-1.75	1971
May	-0.01	1.59	1968	-1.97	1971
Jun	1.04	2.36	1969	-1.76	1965
Jul.	1.29	2.14	1966	-0.37	1965
Aug.	1.31	2.18	1959	-0.11	1956
Sept.	1.56	3.01	1960	0.92	1961
Oct.	1.63	2.35	1961	0.94	1971
Nov.	1.40	2.23	1961	0.92	1974
Dec.	1.14	1.89	1960	0.61	1956

Period of Record: 1953 to Present

P-38 WATER LEVEL

Jan.	1.26	2.13	1970	0.05	1957
Feb.	1.07	2.00	1970	-0.34	1957
Mar.	0.66	1.89	1958	-0.60	1956
Apr.	0.19	2.05	1958	-1.33	1971
May	0.36	2.16	1958	-1.45	1971
Jun.	1.47	2.47	1969	-1.43	1965
Jul.	1.69	2.28	1969	0.91	1956
Aug.	1.75	2.19	1965	0.84	1956
Sept.	1.89	2.92	1960	1.16	1961
Oct.	1.89	2.59	1960	1.09	1962
Nov.	1.67	2.42	1960, 1961	0.99	1962
Dec.	1.41	2.27	1960	0.63	1957

Period of Record: 1953 to Present

HEADQUARTERS POND WATER LEVEL

Month	Mean	Max.	Year	Min.	Year
Jan.	1.76	3.00	1970	0.82	1971
Feb.	1.53	2.76	1970	0.56	1975
Mar.	1.02	2.56	1969	-0.32	1975
Apr.	0.58	2.53	1972	-1.16	1971
May	0.68	4.00	1968	-1.54	1971
Jun.	2.47	4.83	1966	-1.02	1971
Jul.	2.92	4.84	1968	1.75	1971
Aug.	2.52	3.99	1966	1.25	1965
Sept.	2.80	4.74	1968	1.60	1965
Oct.	2.92	4.66	1968	2.18	1974
Nov.	2.50	4.12	1969	1.56	1974
Dec.	1.98	2.80	1969	1.22	1970

Period of Record: Sept. 1965 to Present

TAYLOR SLOUGH AT BRIDGE WATER LEVEL

Jan.	2.18	4.13	1961	0.68	1962
Feb.	1.90	3.80	1961	0.16	1962
Mar.	1.30	2.89	1961	-0.41	1962
Apr.	0.65	2.54	1964	-1.24	1971
May	0.68	4.25	1968	-1.67	1971
Jun.	2.88	4.92	1966	-1.13	1965
Jul.	3.65	4.96	1968	0.67	1965
Aug.	3.32	4.64	1966	1.71	1965
Sept.	3.78	5.28	1960	2.00	1965
Oct.	3.95	5.11	1960	2.46	1961
Nov.	3.38	5.10	1960	1.65	1961
Dec.	2.54	4.48	1960	0.77	1961

Period of Record: September 1960 to Present

NP-44 (PINE GLADE LAKE) WATER LEVEL

Month	Mean	Max.	Year	Min.	Year
Jan.	2.49	4.61	1961	0.83	1971
Feb.	2.11	4.39	1969	2.80	1969
Mar.	1.45	3.65	1970	-0.65	1975
Apr.	0.75	2.93	1969	-1.50	1975
May	1.10	4.95	1968	-1.94	1971
Jun.	3.57	5.05	1969	-1.20	1973
Jul.	4.27	5.15	1966	2.50	1967
Aug.	4.13	4.80	1966	2.78	1970
Sept.	4.43	5.20	1968	3.50	1970
Oct.	4.43	5.03	1968	2.94	1977
Nov.	3.67	4.94	1969	1.66	1977
Dec.	2.84	4.28	1969	1.16	1975

Period of Record: 1961 to Present

NP 62 (PA-HAY-OKEE) WATER LEVEL

Jan.	2.32	3.40	1970	1.55	1971
Feb.	2.05	3.23	1970	0.43	1976
Mar.	1.65	3.15	1970	-0.30	1971
Apr.	0.88	2.88	1970	-1.30	1971
May	0.82	3.05	1968	-1.78	1971
Jun.	2.88	3.53	1969	-1.36	1971
Jul.	2.88	3.50	1966	2.18	1967
Aug.	2.90	3.61	1969	2.13	1967
Sept.	3.05	3.88	1968	2.50	1967
Oct.	3.00	3.90	1969	2.40	1977
Nov.	2.81	3.95	1969	2.27	1977
Dec.	2.54	3.52	1969	2.10	1971

Period of Record: 1964 to Present

1977 DISCHARGE DATA

EVERGLADES NATIONAL PARK HYDROLOGIC STATION TAMIAMI CANAL OUTLETS L-30 TO 67A

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	38	22	7.6	0	0	33	24	9.8	57	102	65	57
2	36	23	6.7	0	0	62	21	7.8	65	106	70	57
3	44	21	5.8	0	0	67	18	6.7	78	102	68	56
4	45	20	5.3	0	0	64	15	5.1	87	93	65	54
5	43	19	4.6	0	.66	58	13	4.3	101	88	60	53
6	42	17	3.8	0	4.5	54	12	14	108	84	58	61
7	41	15	3.3	0	5.6	49	21	24	112	88	58	60
8	40	15	2.4	0	11	41	28	21	117	88	53	59
9	41	14	1.8	0	22	42	25	21	117	88	50	59
10	41	13	2.1	0	32	53	22	19	117	88	44	65
11	38	12	2.3	0	43	45	21	19	108	88	45	62
12	37	11	1.7	0	43	39	6.0	21	101	88	48	61
13	36	11	1.1	0	43	35	1.0	25	98	79	45	60
14	36	13	.65	0	42	32	.97	27	94	79	44	60
15	40	20	.20	0	39	28	.85	25	87	68	48	60
16	43	19	0	0	38	26	2.7	30	80	65	50	59
17	41	18	0	0	35	25	3.7	32	73	60	53	63
18	39	17	0	0	33	26	3.9	32	68	60	50	68
19	37	16	0	0	32	26	3.8	29	62	60	50	64
20	36	16	0	0	29	27	3.7	26	57	65	50	62
21	35	14	0	0	27	30	3.4	24	76	75	50	62
22	33	14	0	0	25	29	3.4	21	94	70	48	59
23	32	13	0	0	23	29	5.8	20	105	68	48	57
24	29	13	0	0	21	29	15	18	121	70	50	57
25	28	12	0		30	28	16	16	135	68	50	54
26	27	10	0	0	55	28	16	14	126	65	48	52
27	26	8.9	0	0	51	26	17	13	117	60	50	49
28	25	8.8	0	0	46	27	16	12	112	65	50	47
29	26	---	0	0	36	27	15	17	108	60	55	45
30	24	---	0	0	30	28	13	21	105	60	58	45
31	23	---	0	0	27	---	12	40	---	58	---	45
TOTAL	1102	425.7	49.35	0	823.76	1113	379.22	614.7	2886	2358	1581	1772
Mean	35.5	15.2	1.59	0	26.6	37.1	12.2	19.8	96.2	76.1	52.7	57.2
Max	45	23	7.6	0	55	67	28	40	135	106	70	68
Min	23	8.8	0	0	0	25	.85	4.3	57	58	44	45
AC-FT	2190	844	98	0	1630	2210	752	1220	5720	4680	3140	3510

EVERGLADES NATIONAL PARK HYDROLOGIC STATION L-67A TO 40 MILE BEND

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	450	238	103	35	29	30	105	133	287	1140	1110	761
2	460	210	40	33	30	52	106	133	556	1140	1170	751
3	462	210	69	33	30	77	106	132	705	1050	1170	723
4	460	207	26	32	27	87	108	129	756	1110	1020	709
5	466	206	86	30	27	88	108	126	742	1110	1020	693
6	463	209	86	33	32	87	106	125	763	1110	1080	718
7	454	209	85	32	33	84	109	134	763	1070	1050	739
8	452	209	68	33	31	63	110	133	769	1070	1060	760
9	447	208	68	33	30	84	112	134	773	1070	1060	644
10	450	209	26	33	32	96	110	133	794	1110	1010	572
11	452	206	64	33	34	98	107	136	825	1110	1050	581
12	457	206	83	31	35	99	108	138	653	1140	1110	582
13	443	204	81	30	36	99	108	143	718	1180	1250	579
14	437	206	80	31	37	50	107	146	560	1170	1080	573
15	436	161	60	31	37	65	106	145	567	1230	884	572
16	447	127	78	30	37	65	106	223	574	1230	894	507
17	355	127	78	30	36	65	106	259	585	1180	862	452
18	263	129	76	30	35	66	106	257	588	1270	859	460
19	267	127	75	31	35	66	128	263	594	1330	845	463
20	267	125	74	30	34	66	139	261	621	1330	836	463
21	264	125	77	30	34	97	135	258	631	1330	887	418
22	267	123	58	30	33	112	135	256	655	1260	854	389
23	256	125	39	30	32	111	132	259	675	1290	815	392
24	267	121	39	28	30	110	139	263	673	1290	823	389
25	263	118	38	28	29	110	143	263	677	1250	893	389
26	263	116	38	28	29	109	140	258	690	1300	896	386
27	262	115	37	30	29	107	136	258	1110	1300	284	388
28	254	110	36	29	29	105	134	261	1200	1190	842	358
29	261	---	36	27	29	104	133	268	1110	1150	817	390
30	252	---	34	29	30	104	133	272	1170	1140	750	386
31	259	---	34	---	30	---	134	285	---	1200	---	386
TOTAL	11253	4694	2144	924	991	2606	3699	6184	21984	36850	28881	16803
MEAN	364	168	69.2	30.8	32.0	86.9	119	199	733	1189	863	836
Max	468	238	103	35	37	112	143	285	1200	1330	1250	761
Min	254	115	34	27	27	30	105	125	287	1050	750	386
AC-FT	22400	9310	4250	1830	1930	5170	7340	12270	43610	73090	57290	32930

EVERGLADES NATIONAL PARK HYDROLOGIC STATION TAYLOR SLOUGH NEAR HOMESTEAD

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0	0	0	0	0	71	5.3	8.2	122	158	6.7	18
2	0	0	0	0	0	204	3.6	6.6	246	143	5.5	14
3	0	0	0	0	0	371	2.1	4.7	389	129	4.2	11
4	0	0	0	0	0	432	1.4	3.0	390	116	3.2	9.3
5	0	0	0	0	0	393	1.1	1.8	373	102	2.9	.17
6	0	0	0	0	0	329	4.6	4.5	360	88	2.3	0
7	0	0	0	0	0	269	7.8	9.6	332	77	1.3	0
8	0	0	0	0	0	227	13	11	309	67	.43	0
9	0	0	0	0	0	190	11	15	277	59	0	0
10	0	0	0	0	.10	174	8.6	15	249	51	0	0
11	0	0	0	0	48	174	6.8	13	234	45	0	0
12	0	0	0	0	59	159	5.0	17	240	39	0	0
13	0	0	0	0	55	142	3.4	38	208	38	0	0
14	0	0	0	0	47	120	2.1	57	185	33	0	0
15	0	0	0	0	39	102	1.6	60	166	28	0	0
16	0	0	0	0	31	84	9.2	56	179	23	0	0
17	0	0	0	0	24	70	18	50	181	19	0	0
18	0	0	0	0	19	58	17	43	186	15	0	0
19	0	0	0	0	15	55	16	36	214	13	0	0
20	0	0	0	0	11	50	16	29	205	11	0	0
21	0	0	0	0	8.3	44	14	23	195	8.8	0	0
22	0	0	0	0	6.4	39	12	22	186	11	0	0
23	0	0	0	0	4.2	34	11	25	171	18	0	0
24	0	0	0	0	2.2	28	17	28	160	18	13	0
25	0	0	0	0	.62	23	23	31	161	16	39	0
26	0	0	0	0	3.4	18	23	29	159	14	41	0
27	0	0	0	0	11	14	20	32	156	13	37	0
28	0	0	0	0	14	11	18	37	156	11	31	0
29	0	---	0	0	17	8.0	16	37	166	9.4	26	0
30	0	---	0	0	26	6.8	13	40	165	8.0	22	0
31	0	---	0	---	57	---	10	77	---	7.3	---	0
Total	0	0	0	0	498.22	3899.8	330.6	859.4	6720	1388.5	235.53	52.47
Mean	0	0	0	0	16.1	130	10.7	27.7	224	-44.8	7.85	1.69
Max	0	0	0	0	59	432	23	77	390	158	41	18
Min	0	0	0	0	0	6.8	1.1	1.8	122	7.3	0	0
AC-FT	0	0	0	0	988	7740	656	1700	13330	2750	467	104

EVERGLADES NATIONAL PARK HYDROLOGIC STATION TAYLOR SLOUGH AT CONTEXT (DISCHARGE)

1977

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	0	0	0	0	0	3.0	0	0	66	14	.00	.00
2	0	0	0	0	0	20	0	0	150	9.9	.00	.00
3	0	0	0	0	0	36	0	0	203	4.3	.00	.00
4	0	0	0	0	0	32	0	0	196	1.3	.00	.00
5	0	0	0	0	0	22	0	0	203	---	.00	.00
6	0	0	0	0	0	14	0	0	202	.87	.00	.00
7	0	0	0	0	0	9.5	0	0	210	.63	.00	.00
8	0	0	0	0	0	6.1	0	0	204	.27	.00	.00
9	0	0	0	0	0	4.9	0	0	190	.09	.00	.00
10	0	0	0	0	.02	11	0	0	161	.04	.00	.00
11	0	0	0	0	.16	17	0	0	141	.00	.00	.00
12	0	0	0	0	.13	12	0	.20	127	.00	.00	.00
13	0	0	0	0	.65	6.8	0	2.5	111	.00	.00	.00
14	0	0	0	0	.58	4.1	0	3.5	94	.00	.00	.00
15	0	0	0	0	.31	3.5	0	2.4	98	.00	.00	.00
16	0	0	0	0	.13	2.4	0	1.5	122	.00	.00	.00
17	0	0	0	0	.02	1.2	0	.96	120	.00	.00	.00
18	0	0	0	0	0	1.5	0	.78	118	.00	.00	.00
19	0	0	0	0	0	2.2	0	.46	145	.00	.00	.00
20	0	0	0	0	0	3.3	0	.23	145	.00	.00	.00
21	0	0	0	0	0	5.1	0	.13	137	.00	.00	.00
22	0	0	0	0	0	2.1	0	3.0	137	.04	.00	.00
23	0	0	0	0	0	.91	0	6.7	121	.07	.00	.00
24	0	0	0	0	0	.47	0	3.4	100	.00	.00	.00
25	0	0	0	0	0	.20	0	1.9	90	.00	.00	.00
26	0	0	0		0	.07	0	1.0	71	.00	.00	.00
27	0	0	0	0	.60	.01	0	1.0	57	.00	.00	.00
28	0	0	0	0	1.3	0	0	1.6	32	.00	.00	.00
29	0	---	0	0	.42	0	0	1.1	32	.00	.00	.00
30	0	---	0	0	.26	0	0	6.8	22	.00	.00	.00
31	0	---	0	---	4.1	---	0	41	---	.00	---	.00
TOTAL	0	0	0	0	8.68	221.36	0	80.16	3805	1.02	.00	0.00
Mean	0	0	0	0	.28	7.38	0	2.59	127	14	.00	0.00
Max	0	0	0	0	4.1	36	0	41	210	0	.00	0.00
Min	0	0	0	0	0	0	0	0	22	0	.00	0.00
AC-FT	0	0	0	0	17	439	0	159	7550	0	.00	0.00

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