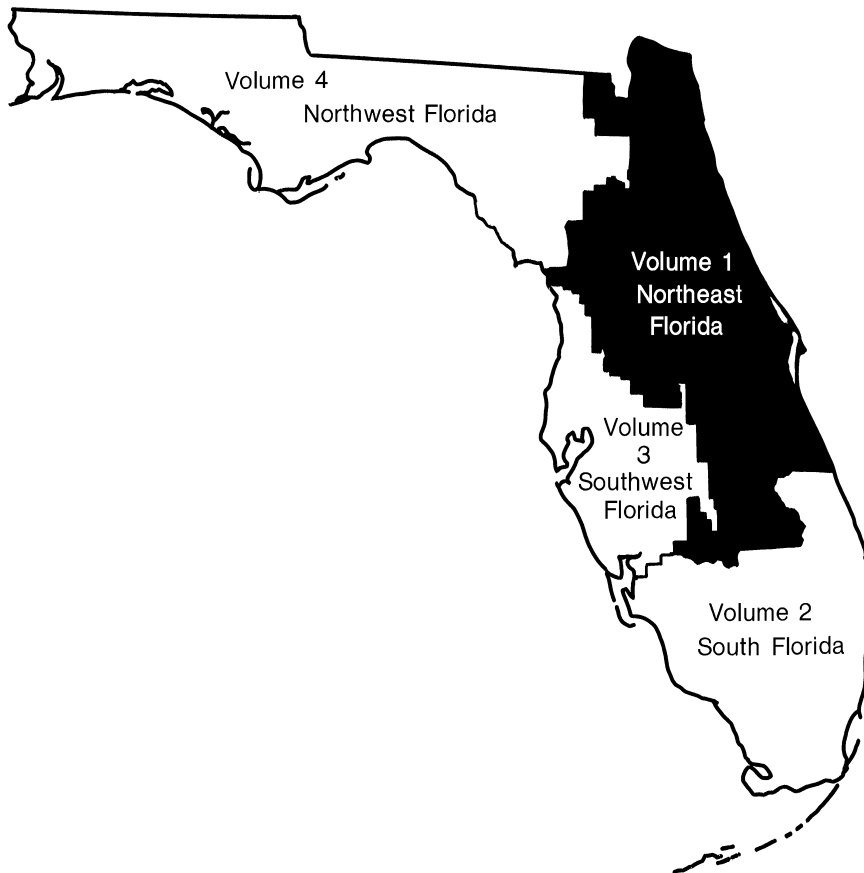


Water Resources Data Florida Water Year 2005

Volume 1A. Northeast Florida Surface Water

Water-Data Report FL-05-1A



Calendar for Water Year 2005

2004

October							November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2		1	2	3	4	5	6				1	2	3	4
3	4	5	6	7	8	9	7	8	9	10	11	12	13	5	6	7	8	9	10	11
10	11	12	13	14	15	16	14	15	16	17	18	19	20	12	13	14	15	16	17	18
17	18	19	20	21	22	23	21	22	23	24	25	26	27	19	20	21	22	23	24	25
24	25	26	27	28	29	30	28	29	30					26	27	28	29	30	31	
31																				

2005

January							February							March						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
						1			1	2	3	4	5			1	2	3	4	5
2	3	4	5	6	7	8	6	7	8	9	10	11	12	6	7	8	9	10	11	12
9	10	11	12	13	14	15	13	14	15	16	17	18	19	13	14	15	16	17	18	19
16	17	18	19	20	21	22	20	21	22	23	24	25	26	20	21	22	23	24	25	26
23	24	25	26	27	28	29	27	28						27	28	29	30	31		
30	31																			

April							May							June						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2	1	2	3	4	5	6	7				1	2	3	4
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25
24	25	26	27	28	29	30	29	30	31					26	27	28	29	30		

July							August							September						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
					1	2		1	2	3	4	5	6					1	2	3
3	4	5	6	7	8	9	7	8	9	10	11	12	13	4	5	6	7	8	9	10
10	11	12	13	14	15	16	14	15	16	17	18	18	20	11	12	13	14	15	16	17
17	18	19	20	21	22	23	21	22	23	24	25	26	27	18	19	20	21	22	23	24
24	25	26	27	28	29	30	28	29	30	31				25	26	27	28	29	30	
31																				

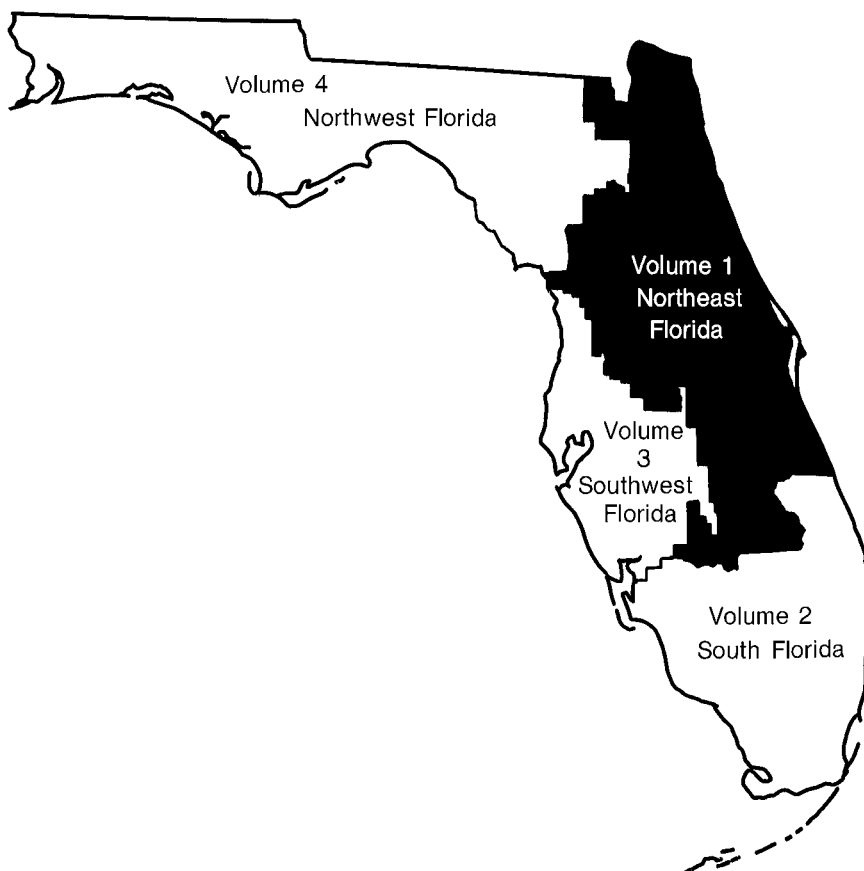
U.S. Department of the Interior
U.S. Geological Survey

Water Resources Data Florida Water Year 2005

Volume 1A. Northeast Florida Surface Water

By A.P. Nazarian, E.P. Simonds, S.M. Dickerson

Water-Data Report FL-05-1A



Prepared in cooperation with the State of Florida
and with other agencies or cooperators



UNITED STATES DEPARTMENT OF THE INTERIOR

GALE A. NORTON, Secretary

U.S. GEOLOGICAL SURVEY

P. Patrick Leahy, Acting Director

Prepared in cooperation with the
State of Florida
and with other agencies as listed
under cooperation

For additional information write to
Chief, Hydrologic Records Section
U.S. Geological Survey
12703 Research Parkway
Orlando, Florida 32826

PREFACE

This volume of the annual hydrologic data report of Florida is one of a series of annual reports that document hydrologic data gathered from the U.S. Geological Survey's surface- and ground-water data-collection networks in each State, Puerto Rico, and the Trust Territories. These records of streamflow, ground-water levels, and quality of water provide the hydrologic information needed by State, local, and Federal agencies, and the private sector for developing and managing our Nation's land and water resources. Hydrologic data for Florida are contained in four volumes:

Volume 1. Northeast Florida

Volume 2. South Florida

Volume 3. Southwest Florida

Volume 4. Northwest Florida

This report was prepared under the supervision of James L. Pearman. The following individuals contributed significantly to the collection, processing and tabulation of the data:

Altamonte Springs Subdistrict Office

S.E. Anderson	R.S. Greenwood	M.J. Orr
L.L. Braley	H.G. George	M.J. Savarino
M.A. Beckwith	R.E. Jones	R.Sheridan
R.A. Broxton	S. Kinnaman	J.M. Shelton
T.C. Coates	W.J. McDevitt	G.F. Taylor
T.P. Curran	R. Medina	L.B. Thomas
E.J. Duffy	J.A. O'Brien	M.S. Wood

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13. ABSTRACT <i>(Maximum 200 words)</i> <p>Water resources data for the 2005 water year in Florida consist of continuous or daily discharge for 429 streams, periodic discharge for 9 streams, continuous or daily stage for 218 streams, periodic stage for 5 streams, peak stage and discharge for 28 streams; continuous or daily elevations for 15 lakes, periodic elevations for 23 lakes; continuous ground-water levels for 401 wells, periodic ground-water levels for 1,098 wells; quality-of-water data for 211 surface-water sites and 208 wells.</p> <p>The data for northeast Florida include continuous or daily discharge for 140 streams, periodic discharge for 4 streams, continuous or daily stage for 58 streams, periodic stage for 3 streams; peak stage and discharge for 0 streams; continuous or daily elevations for 10 lakes, periodic elevations for 20 lakes; continuous ground water levels for 45 wells, periodic ground-water levels for 520 wells; quality-of-water data for 40 surface-water sites and 65 wells.</p> <p>These data represent the National Water Data System records collected by the U.S. Geological Survey and cooperating local, State and Federal agencies in Florida.</p>				
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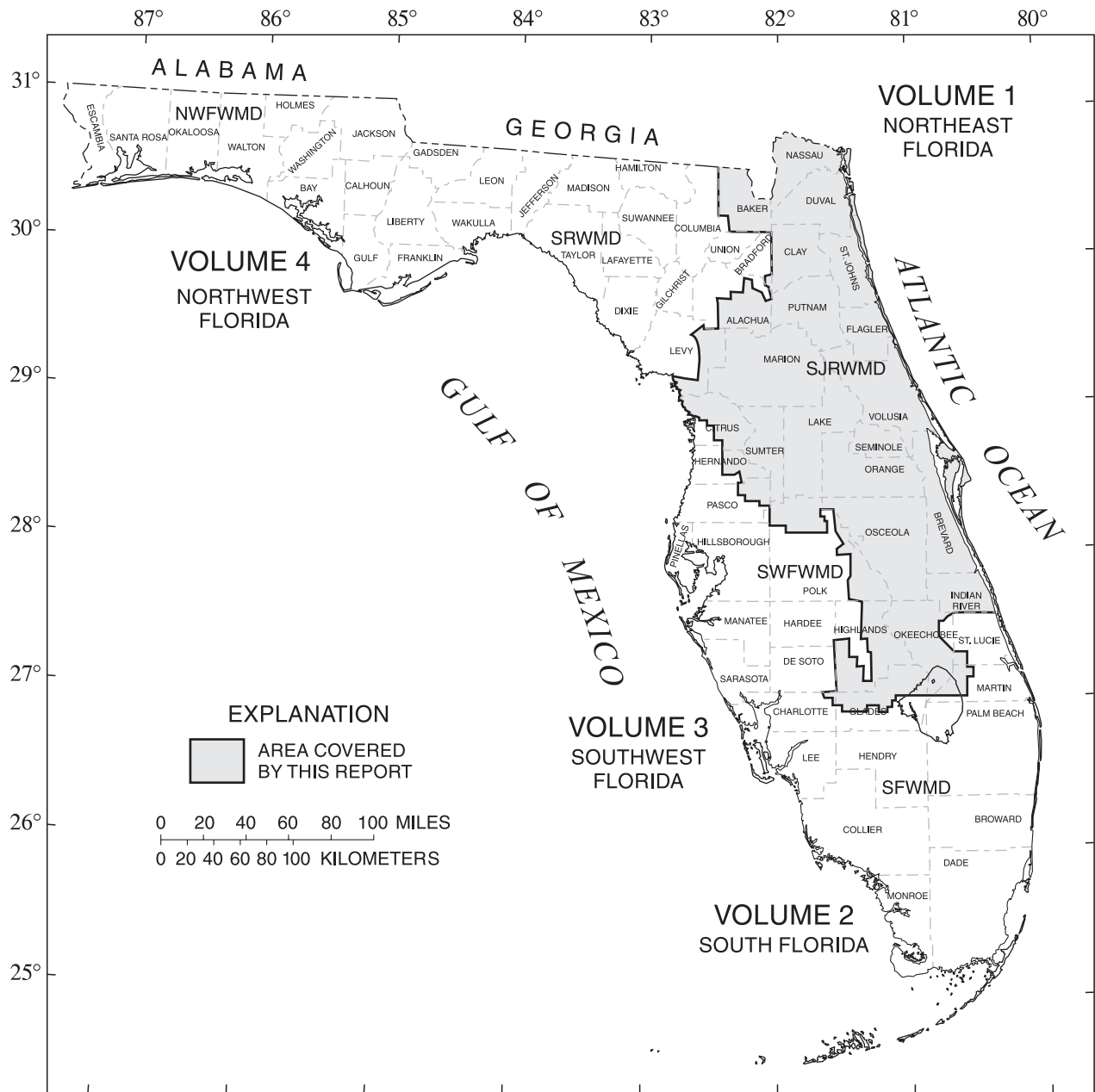


Figure 1.--Geographic area covered by this report.

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STREAM AND LAKE GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

The following list shows the surface water sites where streamflow, stage, lake elevation, or water quality data are collected.

[Letters after station name designate type of data published: (d) discharge, (c) chemical, (t) water temperature, (e) elevation, gage heights, or contents.]

	Station number	Page
<u>03070204 ST. MARYS RIVER BASIN</u>		
St. Marys River near Macclenny (d,e)	02231000	37
<u>03080101 ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER</u>		
St. Johns Headwaters:		
Fort Drum Creek at Sunshine State Parkway near Fort Drum (d)	02231342	41
St. Johns River:		
Bull Creek:		
Blue Cypress Creek near Fellsmere (d)	02231396	42
Sixmile Creek near Kenansville (d)	02231454	43
Wolf Creek near Kenansville (d)	02231458	44
Jane Green Creek near Deer Park (d)	02231600	45
St. Johns River near Melbourne (d,e)	02232000	46
Pennywash Creek near Deer Park (d)	02232155	48
Wolf Creek near Deer Park (d)	02232200	49
St. Johns River near Cocoa (d,e)	02232400	50
St. Johns River near Christmas (d,e)	02232500	52
Little Econlockhatchee River near Union Park (d)	02233200	54
Little Econlockhatchee River Tributary at Banner Dam at Union Park (d)	02233460	55
Little Econlockhatchee River at University Boulevard near Union Park (d)	02233473	56
Little Econlockhatchee River near State Highway 434 near Oviedo (d)	02233475	57
Econlockhatchee River near Oviedo (d)	02233484	58
Econlockhatchee River near Chuluota (d)	02233500	59
St. Johns River above Lake Harney, near Geneva (d,e)	02234000	60
St. Johns River at Osceola (d)	02234010	62
Lake Jesup:		
Howell Creek near Altamonte Springs (d)	02234308	63
Howell Creek near Slavia (d)	02234324	64
Howell Creek at State Highway 434 near Oviedo (d)	02234344	65
Soldier Creek near Longwood (d)	02234384	66
Gee Creek near Longwood (d)	02234400	67
Lake Jesup Outlet near Sanford (d)	02234435	68
St. Johns River at State Highway 415 near Sanford (d)	02234440	69
St. Johns River near Sanford (d,e)	02234500	70
Wekiva River:		
Little Wekiva River near Altamonte Springs (d)	02234990	72
Wekiva River near Sanford (d)	02235000	73
Black Water Creek near Cassia (d)	02235200	74
Blue Springs near Orange City (d,c,t)	02235500	75
St. Johns River near De Land (d,e)	02236000	79
Lake Dexter (continuation of St. Johns River):		
Lake Woodruff (head of Tick Island Creek):		
Spring Garden Lake (head of Spring Garden Creek):		
St. Johns River at Astor (d,e)	02236125	81
Lake George at Marker 5 nr Salt Springs (d,c,t)	291830081362200	83
<u>03080102 OCKLAWAHA RIVER BASIN</u>		
Green Swamp Run near Eva (d)	02236350	87
Big Creek near Clermont (d)	02236500	88
Little Creek at Greenswamp near Clermont (d)	02236605	89
Little Creek near Clermont (d)	02236700	90
Lake Minnehaha at Clermont (e)	02236840	357
Palatlahaha River at Cherry Lake Outlet, near Groveland (d,e)	02236900	91
Palatlahaha River below spillway at Cherry Lake Outlet, near Groveland (e)	02236901	93
Palatlahaha River near Mascotte (e)	02237000	94
Palatlahaha River below Spillway, near Mascotte (e)	02237001	95
Palatlahaha River at Structure M-6 near Mascotte (e)	02237010	96
Palatlahaha River below Structure M-6 near Mascotte (e)	02237011	97
Palatlahaha River at Structure M-5 near Okahumpka (e)	02237050	98
Palatlahaha River below Structure M-5 near Okahumpka (e)	02237051	99

STREAM AND LAKE GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME--Continued

	Station number	Page
03080102 OKCLAWAHA RIVER BASIN--Continued		
Palatlahaha River at Structure M-4 near Okahumpka (e)	02237206	100
Palatlahaha River below Structure M-4 near Okahumpka (e)	02237207	101
Palatlahaha River at Structure M-1 near Okahumpka (d,e)	02237293	102
Little Lake Harris (part of Lake Harris):		
Church Lake near Groveland (e)	02237370	358
Lake Eustis:		
Apopka-Beauclair Canal:		
Apopka Flow-way Feeder Canal (d)	02237698	104
Apopka-Beauclair Canal near Astatula (d,e)	02237700	105
Apopka-Beauclair Canal below dam, near Astatula (e)	02237701	107
Wolf Branch at FCRR near Mount Dora (d)	02237734	108
Lake Dora:		
West Crooked Lake near Eustis (e)	02237753	359
Lake Umatilla at Umatilla (e)	02237865	360
Haines Creek (continuation of Palatlahaha River) at Lisbon (d,e)	02238000	109
Haines Creek below Burrell Dam at Lisbon (e)	02238001	111
Lake Griffin:		
Holly Lake near Umatilla (e)	02238180	361
Ocklawaha River above Moss Bluff Dam, at Moss Bluff (e)	02238499	112
Ocklawaha River at Moss Bluff (d,e)	02238500	113
Lake Weir at Ocklawaha (e)	02238800	362
Lake Weir Outlet:		
Silver Springs (head of Silver River) near Ocala (d,e,c,t)	02239500	115
Ocklawaha River near Conner (d,e)	02240000	118
Ocklawaha River at Eureka (d)	02240500	120
Orange Lake:		
Orange Creek at Orange Springs (d)	02243000	121
Ocklawaha River at Rodman Dam, near Orange Springs (d,e)	02243960	122
03080103 ST. JOHNS RIVER BASIN BELOW OKCLAWAHA RIVER		
St. Johns River below Ocklawaha River:		
St. Johns River at Buffalo Bluff, near Satsuma (d,e,c,t)	02244040	125
Crescent Lake (head of Dunns Creek):		
Dunns Creek near Satsuma (d,e)	02244440	127
Etonia Creek:		
Lake Johnson:		
St. Johns River at Dancy Point near Spuds (c,t)	294213081345300	129
Deep Creek near Hastings (d)	02245255	136
Deep Creek at Spuds (d,c,t)	02245260	137
Moccasin Branch at Armstrong (d)	02245280	142
Sixmile Creek at Bakersville (d)	02245315	143
South Fork Black Creek (head of Black Creek) near Penney Farms (d)	02245500	144
North Fork Black Creek near Middleburg (d)	02246000	145
North Fork Black Creek at Middleburg (e)	02246010	146
Black Creek near Doctors Inlet (d,e)	02246025	147
Little Black Creek near Middleburg (e)	02246030	149
Julington Creek:		
Big Davis Creek at Bayard (d)	02246150	150
Doctors Lake:		
Indigo Branch near Doctors Inlet (d)	02246215	151
Ortega River at Kirwin Road near Jacksonville (d,c,t)	02246318	152
Cedar River at San Juan Avenue at Jacksonville (d)	02246459	157
St. Johns River at Jacksonville (d,e,c,t)	02246500	158
St. Johns River at Dames Point Bridge at Jacksonville (c,t)	302309081333001	161
Trout River near Dinsmore (d)	02246599	167

STREAM AND LAKE GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME--Continued

	Station number	Page
<u>03080201 COASTAL AREA BETWEEN ST. JOHNS RIVER AND PONCE DE LEON INLET</u>		
Halifax River (Intracoastal Waterway):		
Pellicer Creek near Espanola (d)	02247222	169
Lehigh Canal near Flagler Beach (d)	02247258	170
Eleventh Street Canal at Holly Hill (d)	02247509	171
Tomoka River near Holly Hill (d)	02247510	172
Tomoka River near Ormond Beach (d)	02247598	173
Spruce Creek near Samsula (d)	02248000	174
Spruce Creek near New Smyrna Beach (d)	02248053	175
Turnbull Creek near New Smyrna Beach (d)	02248060	176
<u>03080202 COASTAL AREA BETWEEN PONCE DE LEON INLET AND SEBASTIAN INLET</u>		
Indian River (Intracoastal Waterway):		
Haulover Canal near Mims (d,c,t)	02248380	177
Eau Gallie River at Heather Glen Circle at Melbourne(d)	02249007	180
Crane Creek at Melbourne(d)	02249500	181
Crane Creek at Babcock Street at Melbourne (e)	02249510	183
Turkey Creek at Palm Bay (d,e)	02250030	184
<u>03080203 COASTAL AREA BETWEEN SEBASTIAN INLET AND ST. LUCIE RIVER</u>		
Indian River (Intracoastal Waterway):		
South Prong Saint Sebastian River near Sebastian (d)	02251000	186
North Prong Saint Sebastian River near Micco (d)	02251500	187
Fellsmere Canal near Micco (d)	02251767	188
Indian River at Wabasso (e)	02251800	189
North Canal near Vero Beach (d)	02252500	191
Main Canal at Vero Beach (d)	02253000	192
South Canal near Vero Beach (d)	02253500	193
<u>03090103 FISHEATING CREEK BASIN AND INFLOW TO LAKE OKEECHOBEE FROM NORTHWEST</u>		
Fisheating Creek near Lake Placid (d)	02255600	195
Fisheating Creek at Palmdale (d)	02256500	198
Fisheating Creek near Lakeport (d)	02257000	199
Harney Pond Canal near Lakeport (d)	02258000	200
<u>03090101 KISSIMMEE RIVER BASIN</u>		
Kissimmee River headwaters:		
Alligator Lake near Ashton (e)	02260800	365
East Lake Tohopekaliga:		
Boggy Creek near Taft (d)	02262900	201
Lake Tohopekaliga:		
Shingle Creek:		
Lake Bryan near Vineland (e)	02263776	366
Shingle Creek at Airport, near Kissimmee (d)	02263800	202
Bonnet Creek Headwaters:		
Bay Lake near Vineland (e)	02263850	367
South Lake near Vineland (e)	02263868	368
Bonnet Creek:		
South Lake Outlet at S-15 near Vineland (d)	02263869	203
Lake Butler at Windermere (e)	02263900	369
Cypress Creek at Vineland (d,c,t)	02264000	204
Cypress Creek Canal at S-103A near Vineland (d)	02264003	209
Black Lake Outlet at S-101A at Lake Buena Vista (d)	02264051	210
Lateral 101 at S-101 near Lake Buena Vista (d)	02264060	211
Bonnet Creek near Vineland (d,c,t)	02264100	212
Bonnet Creek near Kissimmee (e, c,t)	02264140	217
Bonnet Creek Below Culverts near Kissimmee (e)	02264141	219
Shingle Creek at Campbell (d)	02264495	220

STREAM AND LAKE GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME--Continued

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03090101 KISSIMMEE RIVER BASIN --Continued		
Cypress Lake:		
Reedy Creek at S-46 near Vineland (d)	02266025	221
Whittenhorse Creek near Vineland (d,c,t)	02266200	222
Whittenhorse Creek at S-411 near Vineland (d)	02266205	226
Trout Lake near Clermont (e)	02266239	370
Lateral 405 at S-405A, near Doctor Phillips (d)	02266291	227
Lateral 410 at S-410 near Vineland (d)	02266295	228
Reedy Creek near Vineland (d,c,t)	02266300	229
Davenport Creek near Loughman (d,c)	02266480	233
Reedy Creek at S-40 near Loughman (e,c,t)	02266495	235
Reedy Creek below S-40 near Loughman (d)	02266496	238
Reedy Creek near Loughman (d,c)	02266500	239
Reedy Creek at State Highway 531 near Poinsianna (d)	02266550	241
Cypress Lake near St. Cloud (e)	02266600	371
Lake Hatchineha:		
Lake Marion near Haines City (e)	02266650	372
Lake Pierce near Waverly (e)	02266900	373
Catfish Creek near Lake Wales (d)	02267000	242
Lake Kissimmee:		
Lake Weohyakapka at Indian Lake Estates (e)	02268400	374
Lake Rosalie near Lake Wales (e)	02268600	375
Lake Marian near Kenansville (e)	02268800	376
Kissimmee River near Lorida (e)	02269148	243
Lake Arbuckle near Avon Park (e)	02269600	377
Arbuckle Creek (continuation of Livingston Creek) near De Soto City (d)	02270500	244
Lake Istokpoga near De Soto City (e)	02271700	378
Gore Slough near Basinger (d)	02272630	245
Fish Slough near Basinger (d)	02272650	248
Cypress Slough near Basinger (d)	02272676	250
C-41A Canal near Lake Placid (d)	02273198	253
C-41 Canal near Brighton (d)	02273230	256
03090102 TAYLOR CREEK BASIN AND INFLOW TO LAKE OKEECHOBEE FROM NORTH		
Popash Slough near Okeechobee (d)	02273630	259
Otter Creek near Okeechobee (d)	02274005	261
Taylor Creek near Okeechobee (d)	02274010	264
Taylor Creek at Grassy Island near Okeechobee (d)	02274325	267
Williamson Ditch near Okeechobee (d)	02274490	269
Wolff Creek near Okeechobee (d)	02274505	272
Mosquito Creek near Okeechobee (d)	02275197	274
Taylor Creek at HGS-6, near Okeechobee (d)	02275503	276
Nubbin Slough near Sherman(d)	02275606	277
Nubbin Slough near Okeechobee (d)	02275625	282
L-63S Canal near Okeechobee (d)	02275631	285
3090201 LAKE OKEECHOBEE		
Lake Okeechobee (e)	02276400	379
03100101 PEACE RIVER BASIN		
Peace River:		
Lake Hancock:		
Lake Arietta near Auburndale (e)	02294298	381
Lake Whistler near Auburndale (e)	02294300	382
Ariana Lake at Auburndale (e)	02294303	383
03100205 HILLSBOROUGH RIVER BASIN		
Hillsborough River:		
Fox Branch near Socrum (d,e,c,t)	02301900	289

STREAM AND LAKE GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME--Continued

	Station number	Page
03100208 WITHLACOOCHEE RIVER BASIN		
Lake Mattie (head of Withlacoochee River):		
Lake Juliana near Polk City (e)	02310760 . . . . .	.385
Pony Creek:		
Lake Helene near Polk City (e)	02310850 . . . . .	.386
Withlacoochee River near Cumpresso (d,c,t)	02310947 . . . . .	.293
Lake Deeson near Lakeland (e)	02310950 . . . . .	.387
Withlacoochee-Hillsborough overflow near Richland (d,e,c,t)	02311000 . . . . .	.295
Withlacoochee River near Dade City (d,e)	02311500 . . . . .	.298
Clear Lake at San Antonio (e)	02311600 . . . . .	.388
Dade City Canal near Dade City (d,e,c,t)	02311700 . . . . .	.300
Withlacoochee River at Trilby (d,e,c,t)	02312000 . . . . .	.301
Little Withlacoochee River:		
Bayroot Slough:		
Bayroot Slough Headwaters near Bay Lake (d,e,c,t)	02312140 . . . . .	.304
Little Withlacoochee River near Tarrytown (d,c,t)	02312180 . . . . .	.305
Little Withlacoochee River at Rerdell (d,c,t)	02312200 . . . . .	.307
Withlacoochee River at Rital (d)	02312300 . . . . .	.309
Withlacoochee River at Croom (d,e,c,t)	02312500 . . . . .	.310
Withlacoochee River at Nobleton (d)	02312558 . . . . .	.313
Withlacoochee River near Floral City (d,e,c,t)	02312600 . . . . .	.314
Jumper Creek Canal near Bushnell (d,c,t)	02312640 . . . . .	.317
Shady Brook near Sumterville (d)	02312667 . . . . .	.319
Lake Panasoffkee:		
Lady Lake near Lady Lake (e)	02312694 . . . . .	.389
Lake Panasoffkee near Lake Panasoffkee (e)	02312698 . . . . .	.390
Outlet River at Panachoochee Retreats (d,c,t)	02312700 . . . . .	.320
Withlacoochee River at Wysong Dam, at Carlson (d,e,c,t)	02312720 . . . . .	.323
Withlacoochee River near Inverness (d,e)	02312762 . . . . .	.327
Gum Springs near Holder (d)	02312764 . . . . .	.329
Tsala Apopka outfall canal at S-353, near Hernando (d,e)	02312975 . . . . .	.331
Tsala Apopka outfall canal below S-353, near Hernando (e)	02312976 . . . . .	.333
Withlacoochee River near Holder (d,e,c,t)	02313000 . . . . .	.334
Rainbow Springs near Dunnellon (d)	02313100 . . . . .	.338
Withlacoochee River at Dunnellon (e,c,t)	02313200 . . . . .	.340
Withlacoochee River at Inglis Dam, near Dunnellon (d)	02313230 . . . . .	.342
Withlacoochee River below Inglis Dam, near Dunnellon (e)	02313231 . . . . .	.343
Withlacoochee River Bypass Channel, near Inglis (d)	02313250 . . . . .	.344
Water-quality at miscellaneous sites . . . . .		.345
Elevation of Lakes . . . . .		.355

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

The following continuous-record surface-water discharge or stage-only stations (gaging stations) in Florida have been discontinued. Daily streamflow or stage records were collected and published for the period of record, expressed in water years, shown for each station. Those stations with an asterisk (*) after the station number are currently operated as stations with periodic observations. Discontinued project stations with less than 3 years of record have not been included. Information regarding these stations may be obtained from the subdistrict office at the address given on the back side of the title page of this report.

[Letters after station name designate type of data collected: (d) discharge, (e) elevation (stage only)]

Station name	Station number	Drainage area (mi ²)	Period of record
ST. MARYS RIVER BASIN			
North Prong St. Marys River at Moniac (d)	02228500	160	1921-04
Ocean Pond at Olustee (e)	02228700	13.1	1975-78
Middle Prong St. Marys River at Taylor (d)	02229000	125	1955-01
Middle Prong St. Marys River near Taylor (d,e)	02229250	186	1997-02
South Prong St. Marys River near Sanderson (d)	02229500	57.8	1955-60
Turkey Creek at Macclenny (d)	02230000	19.9	1955-77
South Prong St. Marys River at Glen St. Mary (d)	02230500	156	1950-71
Little St. Marys River near Hilliard (d)	02231250	19.8	1965-67
St. Marys River near Gross (d)	02231253	1,360	1966-75, 1980-90
COASTAL AREA BETWEEN ST. MARYS AND ST. JOHNS RIVERS			
Alligator Creek at Callahan (d)	02231268	14.0	1981-04
Thomas Creek near Crawford (d)	02231280	29.9	1965-04
Nassau River near Hedges (d,e)	02231289	274	1983-04
Nassau River nr Tisonia (d)	02231291	285	1986-89
Nassau Sound near Amelia City (e)	02231299	400	1983-85
ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER			
St. Johns Marsh near Fort Pierce (e)	02231300	--	1957-71
St. Johns Headwaters near Vero Beach (e)	02231350	297	1942-93
Blue Cypress Lake near Fellsmere (e)	02231400	489	1956-68
Crabgrass Creek near Holopaw (d)	02231565	30.2	1997-98
Lake Washington near Eau Gallie (e)	02232100	1,025	1942-92
Lake Poinsett near Cocoa (e)	02232300	1,272	1942-98
Taylor Creek above S-164, near Cocoa (d)	02232413	52.0	1971-75
Taylor Creek near Cocoa (d)	02232415	54.3	1997-02
Clear Lake near Cocoa (e)	02232420	0.26	1952-58
Jim Creek at Fish Hole Road near Christmas (d)	02232460	47.0	1997-98
Econlockhatchee River at Magnolia Ranch near Bithlo (d)	02233001	32.9	1973-01
Econlockhatchee Tributary near Bithlo (d)	02233102	1.83	1976-89
Lake Susannah near Orlando (e)	02233445	0.60	1943-49
Lake Spier near Orlando (e)	02233448	0.34	1943-49
Lake Corrine near Orlando (e)	02233450	2.09	1943-64
Lake Catherine at Chuluota (e)	02233755	0.15	1975-79
Lake Geneva at Geneva (e)	02233900	0.46	1975-79
Deep Creek near Osteen (d)	02234100	140	1965-66, 1981-93 1997-98
Lake Winnemissett near Deland (e)	02234160	1.10	1965-98
Deep Creek Diversion Canal near Osteen (d)	02234180	--	1983-93
Spring Lake at Orlando (e)	02234200	0.52	1943-56
Lake Adair at Orlando (e)	02234205	1.27	1942-56
Park Lake at Orlando (e)	02234210	0.12	1942-56
Lake Concord at Orlando (e)	02234215	2.10	1942-52
Lake Highland at Orlando (e)	02234220	0.22	1942-56
Lake Ivanhoe at Orlando (e)	02234225	3.27	1942-56
Lake Rowena at Orlando (e)	02234240	5.13	1942-45
Lake Sue at Orlando (e)	02234261	6.34	1948-56
Lake Charity near Maitland (e)	02234294	0.66	1971-79
Lake Faith at Maitland (e)	02234296	0.71	1971-79
Lake Hope at Maitland (e)	02234297	1.67	1971-79
Lake Maitland at Winter Park (e)	02234300	20.6	1945-64
Lake Howell near Casselberry (e)	02234318	27.8	1975-79
Soldier Creek Headwaters at Lake Mary (d)	02234365	7.86	1987-93
Soldier Creek at Lake Mary (d)	02234367	9.16	1987-90
County Home Run near Lake Mary (e)	02234386	0.45	1983-86

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS --Continued

Station name	Station number	Drainage area (mi ²)	Period of record
ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER--Continued			
Island Lake at Longwood (e)	02234394	1.29	1970-79
Lake Mary at Lake Mary (e)	02234414	0.88	1975-79
Lake Charm at Oviedo (e)	02234428	0.11	1975-98
Lake Jesup near Sanford (e)	02234434	156	1941-48, 1977-97
Lake Monroe near Sanford (e)	02234499	2,582	1920-95
St. Johns River near DeBary (e)	02234519	2,600	1987-89
Wekiva Springs near Apopka (d)	02234600	Indeterminate	2000-02
Rock Springs near Apopka (d)	02234610	Indeterminate	1999-02
Wekiva River near Apopka (d)	02234635	58.3	1995-02
Lake Brantley near Forest City (e)	02234638	1.56	1975-79
Lake Silver at Orlando (e)	02234800	0.51	1959-64
Lake Fairview at Orlando (e)	02234810	3.73	1948-55
Lake Wekiva near Maitland (e)	02234814	13.4	1969-95
Lake Wekiva Outlet near Maitland (d)	02234815	13.4	1969-74
Lake Herrick near Orlando (e)	02234900	1.94	1966-68
Lake Sherwood near Orlando (e)	02234930	17.1	1966-68
Bear Lake near Forest City (e)	02234942	1.59	1975-79
Lake Orienta at Altamonte Springs (e)	02234943	1.61	1970-79
Cranes Roost at Altamonte Springs (e)	02234988	2.89	1978-79
Eleventh Hole Pond at Altamonte Springs (e)	02234995	1.25	1971-79
Little Wekiva River near Longwood (d)	02234998	44.1	1995-02
Linden Lake at Lake Mary (e)	02234999	0.62	1973-79
Wekiva River at Old RR Crossing near Sanford (d)	022349993	185	1995-02
Lake Dorr near Altoona (headwaters of Black Water Creek) (e)	02235150	26.5	1965-98
Mount Plymouth Lake at Mount Plymouth (e)	02235260	1.30	1983-98
Pine Lake near Cassia (e)	02235900	1.79	1967-69
Alexander Springs Creek near Paisley (e)	02236100	--	1959-65
Price Creek near Pierson (d)	02236157	6.21	1979-82
Lake Delancy near Eureka (e)	02236190	30.0	1953-60
OCKLAWAHA RIVER BASIN			
Lake Kerr near Eureka (e)	02236200	102	1936-98
Lake George near Salt Springs (e)	02236210	3,721	1936-98
Lake Lowery (head of Ocklawaha River) near Haines City (e)	02236250	5.4	1960-95
Little Creek at Cooper's Ranch near Clermont (d)	02236600	9.90	1960-62
Lake Nellie near Clermont (e)	02236808	13.3	1979-89
Lake Louisa (continuation of Big Creek) near Clermont (e)	02236820	121	1957-95
Lake Apsahwa near Minneola (e)	02236860	1.48	1953-98
Cherry Lake near Groveland (e)	02236880	165	1956-95
Pitts Pond near Okahumpka (e)	02237176	0.07	1967-69
Lake Harris at Leesburg (e)	02237520	357	1936-50, 1956-93
Dead River near Tavares (d)	02237522	357	1993-96
Johns Lake at Oakland (e)	02237540	40.1	1959-98
Lake Florence at Montverde (e)	02237561	0.63	1967-69
Lake Apopka at Winter Garden (e)	02237600	128	1935-93
Lake Francis near Plymouth (e)	02237660	0.67	1959-67
Wolf Branch above State Road 46 near Mount (d)	02237733	2.80	1991-94
Lake Dicie at Eustis (e)	02237752	0.11	1971-73
Lake Dora at Mount Dora (e)	02237800	236	1935-93
Lake Eustis at Eustis (e)	02237900	646	1935-93
Silver Lake near Leesburg (e)	02238020	1.50	1983-95
Nicotoon Lake near Altoona (e)	02238170	19.2	1967-69
Lake Yale at Grand Island (e)	02238200	67.6	1959-98
Lake Griffin at Leesburg (e)	02238300	775	1936-93
Ocklawaha River near Ocala (d)	02239000	1,018	1930-68
Silver River near Ocala (e)	02239501	--	1969-72
Lake Bryant near Silver Springs (e)	02240200	9.86	1936-95
Hatchet Creek near Fairbanks (d)	02240783	34.7	1995-98
Little Hatchet Creek at Gainesville (d)	02240806	3.24	1995-98
Prairie Creek near Gainesville (d,e)	02240902	114	1978-02

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS --Continued

Station name	Station number	Drainage area (mi ²)	Period of record
OCKLAWAHA RIVER BASIN--Continued			
Hogtown Creek near Arredondo (d)	02240954	41.2	1972-02
Haile Sink near Arredondo (e)	02240956	Indeterminate	1972-02
Newnans Lake (head of Prairie Creek) near Gainesville (e)	02240900	114	1936-95
Paynes Prairie Inflow near Rochelle (e)	02240930	--	1978-81
Lake Kanapaha at Arredondo (e)	02240958	8.65	1971-95
Tumblin Creek at Gainesville (d)	02240976	1.00	1997-98
Bivens Arm near Gainesville (e)	02240980	3.00	1965-67
Bivens Arm at Gainesville (d)	02240982	5.67	1997-98
Sweetwater Branch at Gainesville (e)	02240988	2.64	1997-98
Camps Canal near Rochelle (d,e)	02241000	775	1957-60, 1978-02
Lochloosa Creek at Grove Park (d)	02241900	37.4	1995-98
ST. JOHNS RIVER BASIN BELOW OCKLAWAHA RIVER			
Lochloosa Lake at Lochloosa (e)	02242400	88.0	1936-95
Orange Lake at Orange Lake (e)	02242450	1,012	1933-95
Orange Lake Outlet near Citra (d)	02242451	1,012	1941-95
Orange Creek near Island Grove (d)	02242460	1,010	1997-98
Lochloosa Slough near Lochloosa (d)	02242500	Indeterminate	1947-55, 1982-92
Little Orange Creek near Johnson (d)	02243300	42.6	1995-98
Ocklawaha River near Orange Springs (d)	02243500	2,657	1930-52
Deep Creek near Kenwood (d)	02243609	6.34	1995-98
Lake Ocklawaha near Orange Springs (e)	02243958	2,747	1969-95
Ocklawaha River at Riverside Landing near Orange Springs (d)	02244000	2,840	1943-68
Cross-Florida Barge Canal at Buckman Lock, near Palatka (d)	02244032	Indeterminate	1969-04
Haw Creek at Mouth near Seville (d)	292349081254200	230	2001-04
Middle Haw Creek at Relay Station, near Bunnell (d)	02244300	54.6	1964-66
Middle Haw Creek near Korona (d)	02244320	78.3	1975-02
Lake Winona near Deland (e)	02244350	1.35	1965-98
Little Haw Creek near Seville (d)	02244420	105	1951-02
St. Johns River at Palatka (d,e)	02244450	7,094	1970-79, 1981-82
Rice Creek near Springside (d)	02244473	43.2	1973-04
Blue Pond Outlet near Keystone Heights (d)	02244551	2.32	1958-97
Sand Hill Lake near Keystone Heights (e)	02244600	11.0	1957-65, 1976-96
Sand Hill Lake Outlet near Keystone Heights (d)	02244601	11.5	1959-97
Magnolia Lake near Keystone Heights (e)	02244650	14.4	1958-98
Magnolia Lake Outlet near Keystone Heights (d)	02244651	14.4	1956-97
Alligator Creek near Keystone Heights (d)	02244690	15.0	1994-97
Loch Lommond near Keystone Heights (e)	02244700	0.90	1959-98
Brooklyn Lake at Keystone Heights(e)	02244750	17.4	1957-61, 1965-96
Crystal Lake near Keystone Heights (e)	02244760	3.42	1994-98
Lake Bedford near Keystone Heights (e)	02244766	5.0	1994-98
Lake Geneva at Keystone Heights (e)	02244800	35.5	1957-61, 1965-96
Pebble Lake near Keystone Heights (e)	02244850	0.19	1945-98
Lake Johnson (Little Lake) near Keystone Heights (e)	02244900	6.37	1945-98
Lake Johnson (Big Lake) near Keystone Heights (e)	02244905	6.37	1959-98
Spring Lake near Keystone Heights (e)	02244908	1.62	1994-98
Lake Grandin near Interlachen (e)	02244950	3.71	1957-95
Georges Lake near Florahome (e)	02245010	5.33	1982-95
Etonia Creek at Bardin (d)	02245050	219	1973-04
Simms Creek near Bardin (d)	02245140	47.3	1973-04
Rice Creek near Palatka (e)	02245200	349	1970-73, 1994-97
Sixmile Creek near Picolata (d)	02245328	Indeterminate	1990-01
South Fork Black Creek near Camp Blanding (d)	02245400	34.8	1957-60
Kingsley Lake (head of North Fork Black Creek) at Camp Blanding (e)	02245700	6.84	1945-95
Rowell Creek near Fiftone (d)	02245918	6.1	1992-95
Rowell Creek at Lake Fretwell Dam near Maxville (d)	02245922	8.1	1992-95
Site 2 Outflow Ditch near Maxville (d)	02245924	Indeterminate	1992-95
North Fork Black Creek near Highland (d)	02245800	50.5	1957-60
Yellow Water Creek near Maxville (e)	02245900	21.9	1975-77
Sal Taylor Creek near Maxville (d)	02245913	15.7	1992-95
Site 1 Outflow Ditch near Maxville (d)	02245925	Indeterminate	1992-95

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS --Continued

Station name	Station number	Drainage area (mi ²)	Period of record
ST. JOHNS RIVER BASIN BELOW OCKLAWAHA RIVER--Continued			
Rowell Creek above Perimeter Road Bridge near Maxville (d)	02245926	Indeterminate	1992-95
Rowell Creek near Maxville (d)	02245927	8.7	1992-95
Cormorant Branch near Mandarin (e)	02246202	1.62	1976-81
Ortega River at Jacksonville (d)	02246300	30.9	1928-60, 1965-03
Williamson Creek at Cedar Hills (d)	02246460	0.92	1971-86
McCoy Creek at Jacksonville (e)	02246497	3.51	1975-77, 1978-83
Strawberry Creek near Arlington (d,e)	02246520	2.86	1989-95
Red Bay Branch Tributary at Jacksonville (d)	02246522	0.57	1975-86
Trout River at Dinsmore (e)	02246600	20.9	1975-77
Sixmile Creek at Pickettville (e)	02246645	12.1	1975-78
Pablo Creek at Jacksonville (d)	02246828	25.8	1974-02
Cedar Swamp Creek at Jacksonville (d)	02246832	3.40	1974-92
COASTAL AREA BETWEEN ST. JOHNS RIVER AND PONCE DE LEON INLET			
San Sebastian River at St. Augustine (d)	02246895	16.5	1999-03
Moultrie Creek at State Highway 207, near St. Augustine (d)	02246900	19.8	1961-92
Moultrie Creek at St. Augustine (d)	02247000	11.2	1939-64
Moultrie Creek at Moultrie (d)	02247015	42.1	1999-02
Moses Creek near Moultrie (d)	02247027	7.4	1999-02
Bellevue Canal at Daytona Beach (d)	02247465	--	1982-85
Tiger Bay Canal near Daytona Beach (d)	02247480	29	1978-02
Bayless Blvd. Canal at Daytona Beach (d)	02247493	--	1982-85
Thayer Canal near Daytona Beach (d)	02247496	33	1982-02
Wally Hoffmeyer Canal at Daytona Beach (d)	02247498	--	1982-85
Williamson Blvd. Ditch at Daytona Beach (d)	02247499	--	1983-85
Tomoka River near Daytona Beach (d)	02247500	76.2	1942-46, 1983-84
Eleventh Street Canal near Holly Hill(d)	02247508		1982-92
Reed Canal at South Daytona (d)	02248025	3.75	2000-04
Halifax Canal near Harbor Oaks (d)	02248030	2.74	2000-01
B-19 Canal at Willow Run Boulevard near Port Orange(d)	02248037		1988-92
B-19 Canal at Port Orange(d)	02248040		1982-92
COASTAL AREA BETWEEN PONCE DE LEON INLET AND SEBASTIAN INLET			
County Line Road Ditch near Scottsmeer (d)	02248357	Indeterminate	1994-96
Addison Creek near Titusville (d)	02248510	4.1	1989-96
Horse Creek near Melbourne (d)	02248900	1.2	1989-92
Eau Gallie River near Eau Gallie (d)	02249000	2.69	1955-57
Crane Creek at U.S. Highway 1 at Melbourne (d)	02249518	18.1	1987-04
C-1 Canal at Red Bug Circle near Palm Bay (d)	02249950	Indeterminate	1988-92
C-10 Canal at Malabar Road at Palm Bay (d)	02249970	Indeterminate	1988-92
C-69 Canal at Palm Bay Road at Palm Bay (d)	02249990	Indeterminate	1988-92
Turkey Creek near Palm Bay (d)	02250000	95.5	1956-68
Melbourne-Tillman Canal at Palm Bay (d)	02250005	100	1992-01
Goat Creek near Valkaria (d)	02250500	11.9	1989-96
Kid Creek at Valkaria (d)	02250600	0.70	1989-92
Trout Creek at Grant (d)	02250700	15.0	1989-96
COASTAL AREA BETWEEN SEBASTIAN INLET AND ST. LUCIE RIVER			
Fellsmere Canal near Fellsmere (d)	02251765	78.4	1955-68

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS --Continued

Station name	Station number	Drainage area (mi ²)	Period of record
FISHEATING CREEK BASIN AND INFLOW TO LAKE OKEECHOBEE FROM NORTHWEST			
Fisheating Creek near Venus (d)	02256000	311	1955-66
Harney Pond Canal at S-71 near Lakeport (d)	02257800	--	1962-89
Indian Prairie Canal near Lakeport (d)	02259000	--	1931-33
Indian Prairie Canal at S-72, near Okeechobee (d)	02259200	--	1962-89
Indian Prairie Canal near Okeechobee (d)	02259500	--	1939-50
Lake Mary Jane near Narcoossee (e)	02261900	1,161	1949-01
C-2 Canal near Vineland (d)	02263130	1.28	1993-02
East Lake Tohopekaliga at St. Cloud (e)	02263400	308	1941-68
St. Cloud Canal at S-59, near St. Cloud (d)	02263500	308	1942-68
Bay Lake Outlet at S-105A, near Vineland (d)	02263851	14.8	1968-71
Lake Tohopekaliga at Kissimmee (e)	02264900	620	1942-89
KISSIMMEE RIVER BASIN			
Myrtle-Mary Jane Canal near Narcoossee (d)	02261500	111	1949-68
Lake Hart near Narcoossee (e)	02262200	166	1941-69
Lake Conway at Pinecastle (e)	02262800	12.7	1952-98
C-2 Canal near Vineland (e)	02263130	1.28	1993-02
South Port Canal at S-61 near St. Cloud (d)	02265000	620	1942-68
Lake Gentry near St. Cloud (e)	02265400	44.6	1949-68
Canoe Creek near St. Cloud (d)	02266000	86.5	1949-59
Horse Creek at Davenport (d)	02266700	22.8	1960-62
Lake Pierce near Waverly (e)	02266900*	8.9	1947-71
Lake Hatchineha near Lake Wales (e)	02267400	1,162	1942-76
Kissimmee River near Lake Wales (d)	02267500	--	1942-68
Lake Kissimmee near Lake Wales (e)	02268900	49.6	1929-89
Kissimmee River at S-65 near Lake Wales (d,e)	02268903	1,607	1969-04
Kissimmee River below S-65 near Lake Wales (e)	02268904	1,607	1969-04
Kissimmee River below Lake Kissimmee, near Lake Wales (d)	02269000	1,607	1933-69
Kissimmee River at C-38 near Lorida (e)	02269149	Indeterminate	1994-01
Kissimmee River at Fort Kissimmee (e)	02269100	1,911	1941-67
Reedy Creek near Frostproof (d)	02269500	60.9	1946-71
Carter Creek near Sebring (d)	02270000	38.6	1954-66
Stearns Creek near Lake Placid (d)	02271000	44.0	1955-67
Lake Huntley near Lake Placid (e)	02271580	9.54	1951-63
Lake Clay near Lake Placid (e)	02271600	11.7	1951-63
Lake Apthorpe near Lake Placid (e)	02271620	15.3	1955-60
Istokpoga Canal near Cornwell (d)	02272000	--	1933-68
Kissimmee River near Basinger (e)	02272500	2,709	1931-59,1963-64
Kissimmee River at S-65E, near Okeechobee (d,e)	02273000	Indeterminate	1928-2004
Kissimmee River below S-65E, near Okeechobee (e)	02273001	Indeterminate	1964-2004
Canal 41A at S-68, near Lake Placid (d)	02273200	--	1964-89
Canal 41A at S-84, near Okeechobee (d)	02273300	--	1963-89
Taylor Creek near Basinger (d)	02274000	15.7	1955-89
Taylor Creek above S-1, near Okeechobee (e)	02274330	62.2	1969-89
Williamson Ditch at S-7, near Okeechobee (d)	02274495	35.4	1964-89
Taylor Creek above Okeechobee (d)	02274500	98.7	1955-82
Taylor Creek at Okeechobee (d)	02275000	115	1932-33
PEACE RIVER BASIN			
Lake Alfred at Lake Alfred (e)	02293461	2.93	1985-94
Lake Gibson near Lakeland (e)	02294224	4.31	1969-94

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS --Continued

Station name	Station number	Drainage area (mi ²)	Period of record
WITHLACOOCHEE RIVER BASIN			
Lake Mattie near Polk City (e)	02310780	14.7	1960-62
Withlacoochee River near Eva (d)	02310800	130	1958-93
Pony Creek near Polk City (d)	02310900	9.50	1960-62
Big Gant Canal at Structure S-11, near Webster (e)	02312194	18	1970-92
Big Gant Canal at Structure WC-2, at Rerdell (e)	02312197	30	1970-92
Big Gant Canal below Structure at Rerdell (e)	02312198	30	1970-92
Lake Lindsey near Brooksville (e)	02312520	3.07	1965-68
Withlacoochee River near Istachatta (e)	02312560	--	1983-87
Jumper Creek near Bevilles Corner (d)	02312632	15.4	1979-81
Jumper Creek Canal near Sumterville (d)	02312635	28.6	1976-91
Jumper Creek Canal near Wahoo (d)	02312645	50.6	1979-91
Lake Deaton near Wildwood (d)	02312688	12.4	1978-94
Chitty Chatty Creek near Wildwood (d)	02312690	38	1959-60, 1963-66, 1978-92
Lake Okahumpka near Wildwood (e)	02312691	49	1978-94
Lady Lake near Lady Lake (e)	02312694*	4.67	1970-73
Lake Miona near Oxford (e)	02312696	38	1978-94
Withlacoochee River above Wysong Dam at Carlson (e)	02312719	1,520	1962-88
Leslie Heifner Canal near Floral City (e)	02312772*	--	1983, 1984-87
Leslie Heifner Canal below Control near Floral City (e)	02312773	--	1984-86
The Orange State Canal near Floral City (e)	02312786*	--	1983-86
Tsala Apopka Lake at Floral City (e)	02312800	Indeterminate	1957-92
Tsala Apopka Lake at Inverness (e)	02312900	Indeterminate	1957-92
Tsala Apopka Lake at Hernando (e)	02312950	Indeterminate	1936-50, 1957-92
Tsala Apopka Lake at Spivey Lake near Inverness (e)	02312877	--	1984-87
Lake Rousseau near Dunnellon (e)	02313229	2,020	1964-91
Withlacoochee River Bypass Channel below Structure, near Inglis (e)	02313251	--	1969-82
Withlacoochee River at Crackertown	02313265	--	1967-91

INTRODUCTION

The Water Resources Division of the U.S. Geological Survey, in cooperation with State agencies, obtains a large amount of data pertaining to the water resources of Florida each water year. These data, accumulated during many water years, constitute a valuable data base for developing an improved understanding of the water resources of the State. To make these data readily available to interested parties outside the Geological Survey, the data are published annually in this report series entitled "Water Resources Data - Florida."

This report series includes records of stage, discharge, and water quality of streams, stage, contents, water quality of lakes and reservoirs, and water levels and water quality of ground-water wells. Volume 1A contains records for continuous or daily discharge for 140 streams, periodic discharge for 4 streams, continuous or daily stage for 58 streams, periodic stage for 3 streams, peak stage and discharge for 0 stream, continuous or daily elevations for 11 lakes, and periodic elevations for 16 lakes. The area encompassed in this report is shown in figure 1. The data presented here represent part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Florida.

This series of annual reports for Florida began with the 1961 water year with a report that contained only data relating to the quantities of surface water. For the 1964 water year, a similar report was introduced that contained only data relating to water quality. Beginning with the 1975 water year, the report format was changed to present, in one volume, data on quantities of surface water, quality of surface and ground water, and ground-water levels.

Prior to introduction of this series and for several water years concurrent with it, water-resources data for Florida were published in U.S. Geological Survey Water-Supply Papers. Data on stream discharge and stage and on lake or reservoir contents and stage, through September 1960, were published annually under the title "Surface-Water Supply of the United States." For the 1961 through 1970 water years, the data were published in two 5-year reports. Data on chemical quality, temperature, and suspended sediment for the 1941 through 1970 water years were published annually under the title "Quality of Surface Waters of the United States," and water levels for the 1935 through 1974 water years were published under the title "Ground-Water Levels in the United States." The above mentioned Water-Supply Papers may be consulted in the libraries of the principal cities of the United States and may be purchased from Distribution Branch, Text Products Section, U.S. Geological Survey, Books and Open-File Reports, Federal Center, Building 41, Box 25425, Denver, CO 80225.

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report FL-05-1A." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

Additional information, including current prices, for ordering specific reports may be obtained from the USGS Water Science Center at the address given on the back of the title page or by telephone (407) 803-5500.

COOPERATION

The U.S. Geological Survey and agencies of the State of Florida have had cooperative agreements for the collection of water-resource records since 1930. Organizations that assisted in collecting the data in this report through cooperative agreement with the Survey are:

U.S. Army Corps of Engineers, Jacksonville District	City of Cocoa
Florida Department of Environmental Protection	City of Jacksonville
St. Johns River Water Management District	Jacksonville Electric Authority
South Florida Water Management District	Lake County Water Authority
Southwest Florida Water Management District	Nassau County
Reedy Creek Improvement District	Seminole County

Organizations that provided data are acknowledged in station descriptions.

WATER RESOURCES DATA FOR FLORIDA, 2005
Volume 1A: Northeast Florida Surface Water

SUMMARY OF HYDROLOGIC CONDITIONS

RAINFALL: Rainfall during the 2005 water year was generally above normal. Based on rainfall data at six National Oceanic and Atmospheric Administration stations, the rainfall for the 12-month period, from October 2004 through September 2005, ranged from 10.32 in. above normal at Ocala to 10.18 in. below normal at Winter Haven. The departure from the 30-year average rainfall in 2005 for the six rainfall stations presented in the table below averaged 1.5 inches above normal. The change in average departure for these six rainfall stations from 2004 to 2005 was -11.4 inches (from an average surplus of 12.9 inches in 2004 to an average surplus of 1.5 inches in 2005 from the 30-year average). The following summary lists departure from the 30-year (1971-2000) normal for each of the stations.

Departure from the 30-year normal rainfall (1971-2000)

Station	October-December		January-March		April-June		July-September		Water Year	
	Total Rainfall	Departure	Total Rainfall	Departure	Total Rainfall	Departure	Total Rainfall	Departure	Total Rainfall	Departure
Jacksonville AP	6.83	-2.01	9.13	-1.64	22.84	10.85	17.56	-3.18	56.36	4.02
Ocala	8.94	1.11	9.13	-1.55	22.13	8.60	19.80	2.16	60.00	10.32
Daytona Beach	4.51	-5.71	9.36	-0.35	24.81	13.32	14.37	-3.50	53.05	3.76
Orlando	5.18	-2.18	11.00	2.68	23.39	9.88	13.28	-5.88	52.85	4.50
Winter Haven	*2.60	-4.70	10.37	2.05	18.11	5.31	*8.96	-12.84	40.04	-10.18
Vero Beach AP	7.09	-3.18	11.04	1.50	20.09	7.38	10.38	-9.03	48.60	-3.33

*Partial data-appended to average and/or total value computed with 1-2 daily values missing (October and August, Winter Haven)

SURFACE-WATER DISCHARGE: Data for the current year and period of record for 10 selected stream gaging sites are summarized in table 1.

Annual Means: After a year of above normal rainfall, discharges throughout the report area ranged from 22 percent below to 108 percent above the period-of-record mean at sites shown. Overall, flow at the ten selected sites averaged 64 percent above the means for the period of record, and 58 percent above the means for the previous water year (2004).

Seasonal Patterns: Generally, mean monthly discharges rise and fall in two cycles each year. An annual high in September or October is followed by a low in November or December which is followed by another high in March or April and an annual low in May or June. This semi-annual pattern is the result of convective and tropical storms in late summer and early fall, and continental frontal storms in late winter and early spring.

Extremes: No extremes were observed for the current year of the representative stations.

Discharges of the 10 selected surface-water sites indicated an increase from 2004 levels. Of the 10 selected surface-water sites presented, all 10 were above the previous water-year mean.

Table 1.--Mean discharge for the 2005 water year and mean annual discharges computed from base period discharges

Station number	Station name	Long-term mean annual discharge		Mean discharge 2005 water year (ft ³ /s)	Departure from long-term mean annual discharge (percent)	Change from previous year (percent)
		Base period	Discharge (ft ³ /s)			
02231000	<u>St. Marys River basin</u>					
	St. Marys River near Macclenny	1927-05	650	1,012	56	36
02232400	<u>St. Johns River basin</u>					
	St. Johns River near Cocoa	1954-05	1,036	2,156	108	126
02236000	St. Johns River near De Land	1934-05	3,078	4,871	58	76
02240000	Ocklawaha River near Conner	1931-46, 1978-05	1,070	1,419	33	64
02256500	<u>Fisheating Creek basin</u>					
	Fisheating Creek at Palmdale	1931-05	259	465	79	36
02266300	<u>Kissimmee River basin</u>					
	Reedy Creek near Vineland	1966-05	46.6	95.3	105	-6
02270500	Arbuckle Creek near De Soto City	1939-05	312	461	48	52
02312000	<u>Withlacoochee River basin</u>					
	Withlacoochee River at Trilby	1928-05	333	408	22	33
02312200	Little Withlacoochee River at Rerdell	1958-05	80.3	141	75	31
02313000	Withlacoochee River near Holder	1928-05	1,004	1,603	60	85

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 61 sites in small drainage basins in 39 States that was established in 1963 to provide consistent streamflow data representative of undeveloped watersheds nationwide, and from which data could be analyzed on a continuing basis for use in comparison and contrast with conditions observed in basins more obviously affected by human activities. At selected sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the affects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program may be accessed from <http://ny.cf.er.usgs.gov/hbn/>.

National Stream-Quality Accounting Network (NASQAN) is a network of sites used to monitor the water quality of large rivers within the Nation's largest river basins. From 1995 through 1999, a network of approximately 40 stations were operated in the Mississippi, Columbia, Colorado, and Rio Grande River basins. For the period 2000 through 2004, sampling was reduced to a few index stations on the Colorado and Columbia Rivers so that a network of five stations could be implemented on the Yukon River. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals. Additional information about the NASQAN Program can be found at <http://water.usgs.gov/nasqan/>.

The National Atmospheric Deposition Program/National Trends Network (NADP/NTN) is a network of monitoring sites that provides continuous measurement and assessment of the chemical constituents in precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 250 precipitation-chemistry monitoring sites. The USGS supports 74 of these 250 sites. This long-term, nationally consistent monitoring program, coupled with ecosystem research, provides critical information toward a national scorecard to evaluate the effectiveness of ongoing and future regulations intended to reduce atmospheric emissions and subsequent impacts to the Nation's land and water resources. Reports and other information on the NADP/NTN Program, as well as all data from the individual sites, can be found at <http://bqs.usgs.gov/acidrain/>.

The USGS National Water-Quality Assessment (NAWQA) Program is a long-term program with goals to describe the status and trends of water-quality conditions for a large, representative part of the Nation's ground- and surface-water resources; to provide an improved understanding of the primary natural and human factors affecting these observed conditions and trends; and to provide information that supports development and evaluation of management, regulatory, and monitoring decisions by other agencies.

Assessment activities are being conducted in 42 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for water-resources managers to use in making decisions and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

Communication and coordination between USGS personnel and other local, State, and federal interests are critical components of the NAWQA Program. Each study unit has a local liaison committee consisting of representatives from key Federal, State, and local water resources agencies, Indian nations, and universities in the study unit. Liaison committees typically meet semiannually to discuss their information needs, monitoring plans and progress, desired information products, and opportunities to collaborate efforts among the agencies. Additional information about the NAWQA Program can be found at <http://water.usgs.gov/nawqa/>.

The USGS National Streamflow Information Program (NSIP) is a long-term program with goals to provide framework streamflow data across the Nation. Included in the program are creation of a permanent Federally funded streamflow network, research on the nature of streamflow, regional assessments of streamflow data and databases, and upgrades in the streamflow information delivery systems. Additional information about NSIP may be accessed from <http://water.usgs.gov/nsip/>.

EXPLANATION STAGE- AND WATER-DISCHARGE RECORDS

The surface-water records published in this report are for the 2005 water year that began October 1, 2004, and ended September 30, 2005. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water level and water-quality data for surface water. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

Each data station, whether streamsite or well, in this report is assigned a unique identification number. The number usually is assigned when a station is first established and is retained for that station indefinitely. The systems used by the U.S. Geological Survey to assign identification numbers for surface-water stations and for ground-water well sites differ, but both are based on geographic location. The "downstream order" system is used for regular surface-water stations and the "latitude-longitude" system is used for wells and for surface-water stations where only miscellaneous observations are made.

Downstream Order and Station Number

Since October 1, 1950, hydrologic-station records in USGS reports have been listed in order of downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary entering between two main-stream stations is listed between those stations. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is located with respect to the stream to which it is immediately tributary is indicated by an indentation in that list of stations in the front of this report. Each indentation represents one rank. This downstream order and system of indentation indicates which stations are on tributaries between any two stations and the rank of the tributary on which each station is located.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These station numbers are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 02228500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6- to 12-digit downstream-order number "228500." The part number designates the major river basin; for example, part "02" is the South Atlantic Slope and eastern Gulf of Mexico basins.

Latitude-Longitude System

The USGS well and miscellaneous site-numbering is based to the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. In the event that the latitude-longitude coordinates for a well and miscellaneous site are the same, a sequential number such as "01," "02," and so forth, would be assigned as one would for wells (see fig. 2). The 8-digit, downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

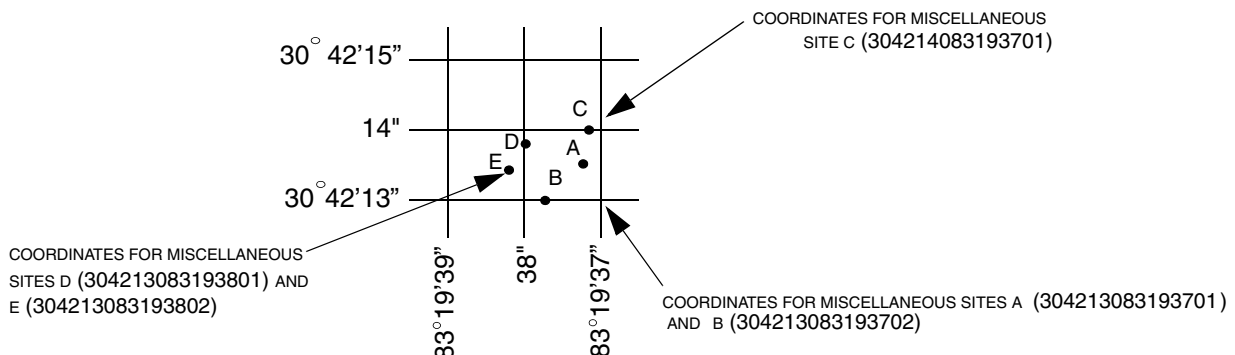


Figure 2.--System for numbering miscellaneous sites (latitude and longitude)

Records of Stage and Water Discharge

Records of stage and water discharge may be complete or partial. Complete records of discharge are those obtained using a continuous stage-recording device through which either instantaneous or mean daily discharges may be computed for any time, or any period of time, during the period of record. Complete records of lake elevation, similarly, are those for which stage may be computed or estimated with reasonable accuracy for any time, or period of time. They may be obtained using a stage-recording device or daily or weekly observations, but need not be. Because daily mean discharges and lake elevations commonly are published for such stations, they are referred to as "daily stations." By contrast, partial records are obtained through discrete measurements without using a continuous stage-recording device and pertain only to a few flow characteristics, or perhaps only one. The nature of the partial record is indicated by table titles such as "Crest-stage partial records," or "Low-flow partial records." Records of miscellaneous discharge measurements or of measurements from special studies, such as low-flow seepage studies, may be considered as partial records, but they are presented separately in this report. Location of all complete-record and partial-record stations for which data are given in this report are shown in figures preceding each sub-basin.

Data Collection and Computation

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and volume of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from a water-stage recorder that is either downloaded electronically in the field to a laptop computer or similar device or is transmitted using telemetry such as GOES satellite, land-line or cellular-phone modems, or by radio transmission. Measurements of discharge are made with a current meter or acoustic Doppler current profiler, using the general methods adopted by the USGS. These methods are described in standard textbooks, USGS Water-Supply Paper 2175, and the Techniques of Water-Resources Investigations of the United States Geological Survey (TWRI's), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2, which may be accessed from <http://water.usgs.gov/pubs/twri/>. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

For stream-gaging stations, discharge-rating tables for any stage are prepared from stage-discharge curves. If extensions to the rating curves are necessary to express discharge greater than measured, the extensions are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, or computation of flow over dams and weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharges are computed from the daily values. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features of the stream channel, the daily mean discharge is computed by the shifting-control method in which correction factors that are based on individual discharge measurements and notes by engineers and observers are used when applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the controlling section, the daily mean discharge is computed by the shifting-control method.

The stage-discharge relation at some stream-gaging stations is affected by backwater from reservoirs, tributary streams, or other sources. Such an occurrence necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage at some distance from the base gage.

An index velocity is measured using ultrasonic or acoustic instruments at some stream-gaging stations, and this index velocity is used to calculate an average velocity for the flow in the stream. This average velocity along with a stage-area relation is then used to calculate average discharge.

At some stations, the stage-discharge relation is affected by changing stage. At these stations, the rate of change in stage is used as a factor in computing discharge.

At some stream-gaging stations in the northern United States, the stage-discharge relation is affected by ice in the winter; therefore, computation of the discharge in the usual manner is impossible. Discharge for periods of ice effect is computed on the basis of gage-height record and occasional winter-discharge measurements. Consideration is given to the available information on temperature and precipitation, notes by gage observers and hydrologists, and comparable records of discharge from other stations in the same or nearby basins.

For a lake or reservoir station, capacity tables giving the volume or contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly changes are computed.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys, the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some stream-gaging stations, periods of time occur when no gage-height record is obtained or the recorded gage height is faulty and cannot be used to compute daily discharge or contents. Such a situation can happen when the recorder stops or otherwise fails to operate properly, the intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods, the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records from other stations in the same or nearby basins. Likewise, lake or reservoir volumes may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information. Information explaining how estimated daily-discharge values are identified in station records is included in the next two sections, "Data Presentation" (REMARKS paragraph) and "Identifying Estimated Daily Discharge."

Data Presentation

The records published for each continuous-record surface-water discharge station (stream-gaging station) consist of five parts: (1) the station manuscript or description; (2) the data table of daily mean values of discharge for the current water year with summary data; (3) a tabular statistical summary of monthly mean flow data for a designated period, by water year; (4) a summary statistics table that includes statistical data of annual, daily, and instantaneous flows as well as data pertaining to annual runoff, 7-day low-flow minimums, and flow duration; and (5) a hydrograph of discharge.

Station Manuscript

The manuscript provides, under various headings, descriptive information, such as station location; period of record; historical extremes outside the period of record; record accuracy; and other remarks pertinent to station operation and regulation. The following information, as appropriate, is provided with each continuous record of discharge or lake content. Comments follow that clarify information presented under the various headings of the station description.

LOCATION.—Location information is obtained from the most accurate maps available. The location of the gaging station with respect to the cultural and physical features in the vicinity and with respect to the reference place mentioned in the station name is given. River mileages, given for only a few stations, were determined by methods given in "River Mileage Measurement," Bulletin 14, Revision of October 1968, prepared by the Water Resources Council or were provided by the U.S. Army Corps of Engineers.

DRAINAGE AREA.—Drainage areas are measured using the most accurate maps available. Because the type of maps available varies from one drainage basin to another, the accuracy of drainage areas likewise varies. Drainage areas are updated as better maps become available.

PERIOD OF RECORD.—This term indicates the time period for which records have been published for the station or for an equivalent station. An equivalent station is one that was in operation at a time that the present station was not and whose location was such that its flow reasonably can be considered equivalent to flow at the present station.

REVISED RECORDS.—If a critical error in published records is discovered, a revision is included in the first report published following discovery of the error.

GAGE.—The type of gage in current use, the datum of the current gage referred to a standard datum, and a condensed history of the types, locations, and datums of previous gages are given under this heading.

REMARKS.—All periods of estimated daily discharge either will be identified by date in this paragraph of the station description for water-discharge stations or flagged in the daily discharge table. (See section titled Identifying Estimated Daily Discharge.) Information is presented relative to the accuracy of the records, to special methods of computation, and to conditions that affect natural flow at the station. In addition, information may be presented pertaining to average discharge data for the period of record; to extremes data for the period of record and the current year; and, possibly, to other pertinent items. For reservoir stations, information is given on the dam forming the reservoir, the capacity, the outlet works and spillway, and the purpose and use of the reservoir.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES OUTSIDE PERIOD OF RECORD.—Information here documents major floods or unusually low flows that occurred outside the stated period of record. The information may or may not have been obtained by the USGS.

REVISIONS.—Records are revised if errors in published records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based national data system, NWISWeb (<http://water.usgs.gov/nwis/nwis>). Users are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent data updates. Updates to NWISWeb are made on an annual basis.

Although rare, occasionally the records of a discontinued gaging station may need revision. Because no current or, possibly, future station manuscript would be published for these stations to document the revision in a REVISED RECORDS entry, users of data for these stations who obtained the record from previously published data reports may wish to contact the USGS Water Science Center (address given on the back of the title page of this report) to determine if the published records were revised after the station was discontinued. If, however, the data for a discontinued station were obtained by computer retrieval, the data would be current. Any published revision of data is always accompanied by revision of the corresponding data in computer storage.

Manuscript information for lake or reservoir stations differs from that for stream stations in the nature of the REMARKS and in the inclusion of a stage-capacity table when daily volumes are given.

Peak Discharge Greater than Base Discharge

Tables of peak discharge above base discharge are included for some stations where secondary instantaneous peak discharge data are used in flood-frequency studies of highway and bridge design, flood-control structures, and other flood-related projects. The base discharge value is selected so an average of three peaks a year will be reported. This base discharge value has a recurrence interval of approximately 1.1 years or a 91-percent chance of exceedence in any 1 year.

Data Table of Daily Mean Values

The daily table of discharge records for stream-gaging stations gives mean discharge for each day of the water year. In the monthly summary for the table, the line headed TOTAL gives the sum of the daily figures for each month; the line headed MEAN gives the arithmetic average flow in cubic feet per second for the month; and the lines headed MAX and MIN give the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month is expressed in cubic feet per second per square mile (line headed CF5M); or in inches (line headed IN); or in acre-feet (line headed AC-FT). Values for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if extensive regulation or diversion is in effect or if the drainage area includes large noncontributing areas. At some stations, monthly and (or) yearly observed discharges are adjusted for reservoir storage or diversion, or diversion data or reservoir volumes are given. These values are identified by a symbol and a corresponding footnote.

Statistics of Monthly Mean Data

A tabular summary of the mean (line headed MEAN), maximum (MAX), and minimum (MIN) of monthly mean flows for each month for a designated period is provided below the mean values table. The water years of the first occurrence of the maximum and minimum monthly flows are provided immediately below those values. The designated period will be expressed as FOR WATER YEARS __-__, BY WATER YEAR (WY), and will list the first and last water years of the range of years selected from the PERIOD OF RECORD paragraph in the station manuscript. The designated period will consist of all of the station record within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are consecutive, unless a break in the station record is indicated in the manuscript.

Summary Statistics

A table titled SUMMARY STATISTICS follows the statistics of monthly mean data tabulation. This table consists of four columns with the first column containing the line headings of the statistics being reported. The table provides a statistical summary of yearly, daily, and instantaneous flows, not only for the current water year but also for the previous calendar year and for a designated period, as appropriate. The designated period selected, WATER YEARS ___-___, will consist of all of the station records within the specified water years, including complete months of record for partial water years, and may coincide with the period of record for the station. The water years for which the statistics are computed are consecutive, unless a break in the station record is indicated in the manuscript. All of the calculations for the statistical characteristics designated ANNUAL (see line headings below), except for the ANNUAL 7-DAY MINIMUM statistic, are calculated for the designated period using complete water years. The other statistical characteristics may be calculated using partial water years.

The date or water year, as appropriate, of the first occurrence of each statistic reporting extreme values of discharge is provided adjacent to the statistic. Repeated occurrences may be noted in the REMARKS paragraph of the manuscript or in footnotes. Because the designated period may not be the same as the station period of record published in the manuscript, occasionally the dates of occurrence listed for the daily and instantaneous extremes in the designated-period column may not be within the selected water years listed in the heading. When the dates of occurrence do not fall within the selected water years listed in the heading, it will be noted in the REMARKS paragraph or in footnotes. Selected streamflow duration-curve statistics and runoff data also are given. Runoff data may be omitted if extensive regulation or diversion of flow is in effect in the drainage basin.

The following summary statistics data are provided with each continuous record of discharge. Comments that follow clarify information presented under the various line headings of the SUMMARY STATISTICS table.

ANNUAL TOTAL.—The sum of the daily mean values of discharge for the year.

ANNUAL MEAN.—The arithmetic mean for the individual daily mean discharges for the year noted or for the designated period.

HIGHEST ANNUAL MEAN.—The maximum annual mean discharge occurring for the designated period.

LOWEST ANNUAL MEAN.—The minimum annual mean discharge occurring for the designated period.

HIGHEST DAILY MEAN.—The maximum daily mean discharge for the year or for the designated period.

LOWEST DAILY MEAN.—The minimum daily mean discharge for the year or for the designated period.

ANNUAL 7-DAY MINIMUM.—The lowest mean discharge for 7 consecutive days for a calendar year or a water year. Note that most low-flow frequency analyses of annual 7-day minimum flows use a climatic year (April 1-March 31). The date shown in the summary statistics table is the initial date of the 7-day period. This value should not be confused with the 7-day 10-year low-flow statistic.

MAXIMUM PEAK FLOW.—The maximum instantaneous peak discharge occurring for the water year or designated period. Occasionally the maximum flow for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak flow is given in the table and the maximum flow may be reported in a footnote or in the REMARKS paragraph in the manuscript.

MAXIMUM PEAK STAGE.—The maximum instantaneous peak stage occurring for the water year or designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, the REMARKS paragraph in the manuscript or a footnote may be used to provide further information.

INSTANTANEOUS LOW FLOW.—The minimum instantaneous discharge occurring for the water year or for the designated period.

ANNUAL RUNOFF.—Indicates the total quantity of water in runoff for a drainage area for the year. Data reports may use any of the following units of measurement in presenting annual runoff data:

Acre-foot (AC-FT) is the quantity of water required to cover 1 acre to a depth of 1 foot and is equivalent to 43,560 cubic feet or about 326,000 gallons or 1,233 cubic meters.

Cubic feet per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.

Inches (INCHES) indicate the depth to which the drainage area would be covered if all of the runoff for a given time period were uniformly distributed on it.

10 PERCENT EXCEEDS.—The discharge that has been exceeded 10 percent of the time for the designated period.

50 PERCENT EXCEEDS.—The discharge that has been exceeded 50 percent of the time for the designated period.

90 PERCENT EXCEEDS.—The discharge that has been exceeded 90 percent of the time for the designated period.

Data collected at partial-record stations follow the information for continuous-record sites. Data for partial-record discharge stations are presented in two tables. The first table lists annual maximum stage and discharge at crest-stage stations, and the second table lists discharge measurements at low-flow partial-record stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. These measurements are often made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for a special reason are called measurements at miscellaneous sites.

Identifying Estimated Daily Discharge

Estimated daily-discharge values published in the water-discharge tables of annual State data reports are identified either by flagging individual daily values with the letter "e" and noting in a table footnote, "e-Estimated," or by listing the dates of the estimated record in the REMARKS paragraph of the station description.

Accuracy of Field Data and Computed Results

The accuracy of streamflow data depends primarily on (1) the stability of the stage-discharge relation or, if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretations of records.

The degree of accuracy of the records is stated in the REMARKS in the station description. "Excellent" indicates that about 95 percent of the daily discharges are within 5 percent of the true value; "good" within 10 percent; and "fair," within 15 percent. "Poor" indicates that daily discharges have less than "fair" accuracy. Different accuracies may be attributed to different parts of a given record.

Values of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft³/s; to the nearest tenths between 1.0 and 10 ft³/s; to whole numbers between 10 and 1,000 ft³/s; and to three significant figures above 1,000 ft³/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharge values listed for partial-record stations.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, regulation by storage, increase or decrease in evaporation due to artificial causes, or to other factors. For such stations, values of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other Data Records Available

Information of a more detailed nature than that published for most of the stream-gaging stations such as discharge measurements, gage-height records, and rating tables is available from the USGS Water Science Center. Also, most stream-gaging station records are available in computer-usable form and many statistical analyses have been made.

Information on the availability of unpublished data or statistical analyses may be obtained from the USGS Water Science Center (see address that is shown on the back of the title page of this report).

EXPLANATION OF PRECIPITATION RECORDS

Data Collection and Computation

Rainfall data generally are collected using electronic data loggers that measure the rainfall in 0.01-inch increments every 15 minutes using either a tipping-bucket rain gage or a collection well gage. Twenty-four hour rainfall totals are tabulated and presented. A 24-hour period extends from just past midnight of the previous day to midnight of the current day. Snowfall-affected data can result during cold weather when snow fills the rain-gage funnel and then melts as temperatures rise. Snowfall-affected data are subject to errors. Missing values are indicated by this symbol “---” in the table.

Data Presentation

Precipitation records collected at surface-water gaging stations are identified with the same station number and name as the stream-gaging station. Where a surface-water daily-record station is not available, the precipitation record is published with its own name and latitude-longitude identification number.

Information pertinent to the history of a precipitation station is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, period of record, and general remarks.

The following information is provided with each precipitation station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—See Data Presentation in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

INSTRUMENTATION.—Information on the type of rainfall collection system is given.

REMARKS.—Remarks provide added information pertinent to the collection, analysis, or computation of records

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

Surface-water samples for analysis usually are collected at or near stream-gaging stations. The quality-of-water records are given immediately following the discharge records at these stations.

The descriptive heading for water-quality records gives the period of record for all water-quality data; the period of daily record for parameters that are measured on a daily basis (specific conductance, water temperature, sediment discharge, and so forth); extremes for the current year; and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, sampling date, or other pertinent data are given in the table containing the chemical analyses of the ground water.

Water Analysis

Most of the methods used for collecting and analyzing water samples are described in the TWRIs, which may be accessed from <http://water.usgs.gov/pubs/twri/>.

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

Chemical-quality data published in this report are considered to be the most representative values available for the stations listed. The values reported represent water-quality conditions at the time of sampling as much as possible, consistent with available sampling techniques and methods of analysis. In the rare case where an apparent inconsistency exists between a reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is the result of a slight uptake of carbon dioxide from the air by the sample between measurement of pH in the field and determination of carbonate and bicarbonate in the laboratory.

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum and minimum values (and sometimes mean or median values) for each constituent measured and are based on 15-minute or 1-hour intervals of recorded data beginning at 0000 hours and ending at 2400 hours for the day of record.

SURFACE-WATER QUALITY RECORDS

Records of surface-water quality ordinarily are obtained at or near stream-gaging stations because discharge data are useful in the interpretation of surface-water quality. Records of surface-water quality in this report involve a variety of types of data and measurement frequencies.

Classification of Records

Water-quality data for surface-water sites are grouped into one of three classifications. A *continuous-record station* is a site where data are collected on a regularly scheduled basis. Frequency may be one or more times daily, weekly, monthly, or quarterly. A *partial-record station* is a site where limited water-quality data are collected systematically over a period of years. Frequency of sampling is usually less than quarterly. A *miscellaneous sampling site* is a location other than a continuing- or partial-record station, where random samples are collected to give better areal coverage to define water-quality conditions in the river basin.

A careful distinction needs to be made between *continuous records* as used in this report and *continuous recordings* that refers to a continuous graph or a series of discrete values recorded at short intervals. Some records of water quality, such as temperature and specific conductance, may be obtained through continuous recordings; however, because of costs, most data are obtained only monthly or less frequently.

Accuracy of the Records

One of four accuracy classifications is applied for measured physical properties at continuous-record stations on a scale ranging from poor to excellent. The accuracy rating is based on data values recorded before any shifts or corrections are made. Additional consideration also is given to the amount of publishable record and to the amount of data that have been corrected or shifted.

Rating the accuracy of continuous water-quality records

[\leq less than or equal to; \pm plus or minus value shown; $^{\circ}$ C, degree Celsius; $>$, greater than; %, percent; mg/L, milligram per liter; pH unit, standard pH unit]

Measured field parameter	Ratings of accuracy (Based on combined fouling and calibration drift corrections applied to the record)			
	Excellent	Good	Fair	Poor
Water temperature	$\leq \pm 0.2$ $^{\circ}$ C	$> \pm 0.2 - 0.5$ $^{\circ}$ C	$> \pm 0.5 - 0.8$ $^{\circ}$ C	$> \pm 0.8$ $^{\circ}$ C
Specific conductance	$\leq \pm 3$ %	$> \pm 3 - 10$ %	$> \pm 10 - 15$ %	$> \pm 15$ %
Dissolved oxygen	$\leq \pm 0.3$ mg/L or $\leq \pm 5$ %, whichever is greater	$> \pm 0.3 - 0.5$ mg/L or $> \pm 5 - 10$ %, whichever is greater	$> \pm 0.5 - 0.8$ mg/L or $> \pm 10 - 15$ %, whichever is greater	$> \pm 0.8$ mg/L or $> \pm 15$ %, whichever is greater
pH	$\leq \pm 0.2$ units	$> \pm 0.2 - 0.5$ units	$> \pm 0.5 - 0.8$ units	$> \pm 0.8$ units
Turbidity	$\leq \pm 0.5$ turbidity units or $\leq \pm 5$ %, whichever is greater	$> \pm 0.5 - 1.0$ turbidity units or $> \pm 5 - 10$ %, whichever is greater	$> \pm 1.0 - 1.5$ turbidity units or $> \pm 10 - 15$ %, whichever is greater	$> \pm 1.5$ turbidity units or $> \pm 15$ %, whichever is greater

Arrangement of Records

Water-quality records collected at a surface-water daily record station are published immediately following that record, regardless of the frequency of sample collection. Station number and name are the same for both records. Where a surface-water daily record station is not available or where the water quality differs significantly from that at the nearby surface-water station, the continuing water-quality record is published with its own station number and name in the regular downstream order sequence. Water-quality data for partial-record stations and for miscellaneous sampling sites appear in separate tables following the table of discharge measurements at miscellaneous sites.

Onsite Measurements and Sample Collection

In obtaining water-quality data, a major concern is assuring that the data obtained represent the naturally occurring quality of the water. To ensure this, certain measurements, such as water temperature, pH, and dissolved oxygen, must be made on site when the samples are taken. To assure that measurements made in the laboratory also represent the naturally occurring water, carefully prescribed procedures must be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in TWRI's Book 1, Chapter D2; Book 3, Chapters A1, A3, and A4; and Book 9, Chapters A1-A9. Most of the methods used for collecting and analyzing water samples are described in the TWRI's, which may be accessed from <http://water.usgs.gov/pubs/twri/>. Also, detailed information on collecting, treating, and shipping samples can be obtained from the USGS Water Science Center (see address that is shown on the back of title page in this report).

Water Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at the time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diurnal temperature change; shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where recording instruments are used, either mean temperatures or maximum and minimum temperatures for each day are published. Water temperatures measured at the time of water-discharge measurements are on file in the USGS Water Science Center.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration are computed by the subdivided-day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the subdivided-day method. For periods when no samples were collected, daily discharges of suspended sediment were estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples were collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observations, such data are useful in establishing seasonal relations between quality and streamflow and in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of suspended-sediment discharge, records of the periodic measurements of the particle-size distribution of the suspended sediment and bed material are included for some stations.

Laboratory Measurements

Samples for biochemical oxygen demand (BOD) and indicator bacteria are analyzed locally. All other samples are analyzed in the USGS laboratory in Lakewood, Colorado, unless otherwise noted. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chapter C1. Methods used by the USGS laboratories are given in the TWRI's, Book 1, Chapter D2; and Book 5, Chapters A1, A3, and A4 and Book 9, Chapters A1-A6. The TWRI publications may be accessed from <http://water.usgs.gov/pubs/twri/>. These methods are consistent with ASTM standards and generally follow ISO standards.

Data Presentation

For continuing-record stations, information pertinent to the history of station operation is provided in descriptive headings preceding the tabular data. These descriptive headings give details regarding location, drainage area, period of record, type of data available, instrumentation, general remarks, cooperation, and extremes for parameters currently measured daily. Tables of chemical, physical, biological, radiochemical data, and so forth, obtained at a frequency less than daily are presented first. Tables of "daily values" of specific conductance, pH, water temperature, dissolved oxygen, and suspended sediment then follow in sequence.

In the descriptive headings, if the location is identical to that of the discharge gaging station, neither the LOCATION nor the DRAINAGE AREA statements are repeated. The following information is provided with each continuous-record station. Comments that follow clarify information presented under the various headings of the station description.

LOCATION.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

DRAINAGE AREA.—See Data Presentation information in the EXPLANATION OF STAGE- AND WATER-DISCHARGE RECORDS section of this report (same comments apply).

PERIOD OF RECORD.—This indicates the time periods for which published water-quality records for the station are available. The periods are shown separately for records of parameters measured daily or continuously and those measured less than daily. For those measured daily or continuously, periods of record are given for the parameters individually.

INSTRUMENTATION.—Information on instrumentation is given only if a water-quality monitor temperature record, sediment pumping sampler, or other sampling device is in operation at a station.

REMARKS.—Remarks provide added information pertinent to the collection, analysis, or computation of the records.

COOPERATION.—Records provided by a cooperating organization or obtained for the USGS by a cooperating organization are identified here.

EXTREMES.—Maximums and minimums are given only for parameters measured daily or more frequently. For parameters measured weekly or less frequently, true maximums or minimums may not have been obtained. Extremes, when given, are provided for both the period of record and for the current water year.

REVISIONS.—Records are revised if errors in published water-quality records are discovered. Appropriate updates are made in the USGS distributed data system, NWIS, and subsequently to its Web-based national data system, NWISWeb (<http://waterdata.usgs.gov/nwis>). Users of USGS water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to ensure that they have the most recent updates. Updates to the NWISWeb are made on an annual basis.

The surface-water-quality records for partial-record stations and miscellaneous sampling sites are published in separate tables following the table of discharge measurements at miscellaneous sites. No descriptive statements are given for these records. Each station is published with its own station number and name in the regular downstream-order sequence.

Remark Codes

The following remark codes may appear with the water-quality data in this section:

PRINT OUTPUT	REMARK
&	Value is affected by unspecified causes.
E or e	Value is estimated.
>	Actual value is known to be greater than the value shown.
<	Actual value is known to be less than the value shown.
M	Presence of material verified, but not quantified.
N	Presumptive evidence of presence of material.
S	Most probable value.
U	Material specifically analyzed for, but not detected.
V	Analyte was detected in both the environmental sample and the associated blanks.
cl	Value qualifier code for holding time exceeded by the laboratory.

Rounding Clarification

Values for some constituents analyzed by routine methods are tabulated with extraneous trailing zeros that are not significant digits. Extraneous zeros result because data obtained from low-level methods that have better (lower) detection limits are stored under the same parameter code as data obtained by routine analytical methods. Precision varies for different analytical methods used to determine the same constituent. The presence of trailing zeroes after the decimal in values printed in this report does not necessarily indicate that the method used for the determination is as precise as the level implied by the rightmost zero.

Water-Quality Control Data

The USGS National Water Quality Laboratory collects quality-control data on a continuing basis to evaluate selected analytical methods to determine long-term method detection levels (LT-MDLs) and laboratory reporting levels (LRLs). These values are re-evaluated each year on the basis of the most recent quality-control data and, consequently, may change from year to year.

This reporting procedure limits the occurrence of false positive error. Falsely reporting a concentration greater than the LT-MDL for a sample in which the analyte is not present is 1 percent or less. Application of the LRL limits the occurrence of false negative error. The chance of falsely reporting a nondetection for a sample in which the analyte is present at a concentration equal to or greater than the LRL is 1 percent or less.

Accordingly, concentrations are reported as less than LRL for samples in which the analyte either was not detected or did not pass identification. Analytes detected at concentrations between the LT-MDL and the LRL and that pass identification criteria are estimated. Estimated concentrations will be noted with a remark code of "E." These data should be used with the understanding that their uncertainty is greater than that of data reported without the E remark code.

Data generated from quality-control (QC) samples are a requisite for evaluating the quality of the sampling and processing techniques as well as data from the actual samples themselves. Without QC data, environmental sample data cannot be adequately interpreted because the errors associated with the sample data are unknown. The various types of QC samples collected by this USGS Water Science Center are described in the following section. Procedures have been established for the storage of water-quality-control data within the USGS. These procedures allow for storage of all derived QC data and are identified so that they can be related to corresponding environmental samples. These data are not presented in this report but are available from the USGS Water Science Center.

Blank Samples

Blank samples are collected and analyzed to ensure that environmental samples have not been contaminated in the overall data-collection process. The blank solution used to develop specific types of blank samples is a solution that is free of the analytes of interest. Any measured value signal in a blank sample for an analyte (a specific component measured in a chemical analysis) that was absent in the blank solution is believed to be due to contamination. Many types of blank samples are possible; each is designed to segregate a different part of the overall data-collection process. The types of blank samples collected by this USGS Water Science Center are:

Field blank—A blank solution that is subjected to all aspects of sample collection, field processing preservation, transportation, and laboratory handling as an environmental sample.

Trip blank—A blank solution that is put in the same type of bottle used for an environmental sample and kept with the set of sample bottles before and after sample collection.

Equipment blank—A blank solution that is processed through all equipment used for collecting and processing an environmental sample (similar to a field blank but normally done in the more controlled conditions of the office).

Sampler blank—A blank solution that is poured or pumped through the same field sampler used for collecting an environmental sample.

Filter blank—A blank solution that is filtered in the same manner and through the same filter apparatus used for an environmental sample.

Splitter blank—A blank solution that is mixed and separated using a field splitter in the same manner and through the same apparatus used for an environmental sample.

Preservation blank—A blank solution that is treated with the sampler preservatives used for an environmental sample.

Reference Samples

Reference material is a solution or material prepared by a laboratory. The reference material composition is certified for one or more properties so that it can be used to assess a measurement method. Samples of reference material are submitted for analysis to ensure that an analytical method is accurate for the known properties of the reference material. Generally, the selected reference material properties are similar to the environmental sample properties.

Replicate Samples

Replicate samples are a set of environmental samples collected in a manner such that the samples are thought to be essentially identical in composition. Replicate is the general case for which a duplicate is the special case consisting of two samples. Replicate samples are collected and analyzed to establish the amount of variability in the data contributed by some part of the collection and analytical process. Many types of replicate samples are possible, each of which may yield slightly different results in a dynamic hydrologic setting, such as a flowing stream. The types of replicate samples collected in this district are:

Concurrent samples—A type of replicate sample in which the samples are collected simultaneously with two or more samplers or by using one sampler and alternating the collection of samples into two or more compositing containers.

Sequential samples—A type of replicate sample in which the samples are collected one after the other, typically over a short time.

Split sample—A type of replicate sample in which a sample is split into subsamples, each subsample contemporaneous in time and space.

Spike Samples

Spike samples are samples to which known quantities of a solution with one or more well-established analyte concentrations have been added. These samples are analyzed to determine the extent of matrix interference or degradation on the analyte concentration during sample processing and analysis.

ACCESS TO USGS WATER DATA

The USGS provides near real-time stage and discharge data for many of the gaging stations equipped with the necessary telemetry and historic daily mean and peak-flow discharge data for most current or discontinued gaging stations through the world wide web (WWW). These data may be accessed at <http://water.usgs.gov>

Water-quality data and ground-water data also are available through the WWW. In addition, data can be provided in various machine-readable formats on various media. Information about the availability of specific types of data or products, and user charges, can be obtained locally from each USGS Water Science Center (See address that is shown on the back of the title page of this report.)

DEFINITION OF TERMS

Specialized technical terms related to streamflow, water-quality, and other hydrologic data, as used in this report, may be accessed from http://water.usgs.gov/ADR_Defs_2004.pdf. Terms such as algae, water level, and precipitation are used in their common everyday meanings, definitions of which are given in standard dictionaries. Not all terms defined in this alphabetical list apply to every State. See also table for converting English units to International System (SI) Units. Other glossaries that also define water-related terms are accessible from <http://water.usgs.gov/glossaries.html>.

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point. This term designates titration of an “unfiltered” sample (formerly reported as alkalinity).

Acre-foot (AC-FT, acre-ft) is a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters. (See also “Annual runoff”)

Adenosine triphosphate (ATP) is an organic, phosphate-rich compound important in the transfer of energy in organisms. Its central role in living cells makes ATP an excellent indicator of the presence of living material in water. A measurement of ATP therefore provides a sensitive and rapid estimate of biomass. ATP is reported in micrograms per liter.

Adjusted discharge is discharge data that have been mathematically adjusted (for example, to remove the effects of a daily tide cycle or reservoir storage).

Algal growth potential (AGP) is the maximum algal dry weight biomass that can be produced in a natural water sample under standardized laboratory conditions. The growth potential is the algal biomass present at stationary phase and is expressed as milligrams dry weight of algae produced per liter of sample. (See also “Biomass” and “Dry weight”)

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid. This term designates titration of a “filtered” sample.

Annual runoff is the total quantity of water that is discharged (“runs off”) from a drainage basin in a year. Data reports may present annual runoff data as volumes in acre-feet, as discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

Annual 7-day minimum is the lowest mean value for any 7-consecutive-day period in a year. Annual 7-day minimum values are reported herein for the calendar year and the water year (October 1 through September 30). Most low-flow frequency analyses use a climatic year (April 1-March 31), which tends to prevent the low-flow period from being artificially split between adjacent years. The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day, 10-year low-flow statistic.)

Aroclor is the registered trademark for a group of poly-chlorinated biphenyls that were manufactured by the Monsanto Company prior to 1976. Aroclors are assigned specific 4-digit reference numbers dependent upon molecular type and degree of substitution of the biphenyl ring hydrogen atoms by chlorine atoms. The first two digits of a numbered aroclor represent the molecular type, and the last two digits represent the percentage weight of the hydrogen-substituted chlorine.

Artificial substrate is a device that is purposely placed in a stream or lake for colonization of organisms. The artificial substrate simplifies the community structure by standardizing the substrate from which each sample is collected. Examples of artificial substrates are basket samplers (made of wire cages filled with clean streamside rocks) and multiplate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection. (See also "Substrate")

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500 °C for 1 hour. Ash mass of zooplankton and phytoplankton is expressed in grams per cubic meter (g/m^3), and periphyton and benthic organisms in grams per square meter (g/m^2). (See also "Biomass" and "Dry mass")

Aspect is the direction toward which a slope faces with respect to the compass.

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, whereas others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

Bankfull stage, as used in this report, is the stage at which a stream first overflows its natural banks formed by floods with 1- to 3-year recurrence intervals.

Base discharge (for peak discharge) is a discharge value, determined for selected stations, above which peak discharge data are published. The base discharge at each station is selected so that an average of about three peak flows per year will be published. (See also "Peak flow")

Base flow is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

Bedload is material in transport that is supported primarily by the streambed. In this report, bedload is considered to consist of particles in transit from the bed to an elevation equal to the top of the bedload sampler nozzle (ranging from 0.25 to 0.5 foot) that are retained in the bedload sampler. A sample collected with a pressure-differential bedload sampler also may contain a component of the suspended load.

Bedload discharge (tons per day) is the rate of sediment moving as bedload, reported as dry weight, that passes through a cross section in a given time. NOTE: Bedload discharge values in this report may include a component of the suspended-sediment discharge. A correction may be necessary when computing the total sediment discharge by summing the bedload discharge and the suspended-sediment discharge. (See also "Bedload," "Dry weight," "Sediment," and "Suspended-sediment discharge")

Bed material is the sediment mixture of which a stream-bed, lake, pond, reservoir, or estuary bottom is composed. (See also "Bedload" and "Sediment")

Benthic organisms are the group of organisms inhabiting the bottom of an aquatic environment. They include a number of types of organisms, such as bacteria, fungi, insect larvae and nymphs, snails, clams, and crayfish. They are useful as indicators of water quality.

Biochemical oxygen demand (BOD) is a measure of the quantity of dissolved oxygen, in milligrams per liter, necessary for the decomposition of organic matter by microorganisms, such as bacteria.

Biomass is the amount of living matter present at any given time, expressed as mass per unit area or volume of habitat.

Biomass pigment ratio is an indicator of the total proportion of periphyton that are autotrophic (plants). This is also called the Autotrophic Index.

Blue-green algae (*Cyanophyta*) are a group of phytoplankton and periphyton organisms with a blue pigment in addition to a green pigment called chlorophyll. Blue-green algae can cause nuisance water-quality conditions in lakes and slow-flowing rivers; however, they are found commonly in streams throughout the year. The abundance of blue-green algae in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter ($\mu\text{m}^3/\text{mL}$). The abundance of blue-green algae in periphyton samples is given in cells per square centimeter (cells/cm²) or biovolume per square centimeter ($\mu\text{m}^3/\text{cm}^2$). (See also "Phytoplankton" and "Periphyton".)

Bottom material (See "Bed material")

Bulk electrical conductivity is the combined electrical conductivity of all material within a doughnut-shaped volume surrounding an induction probe. Bulk conductivity is affected by different physical and chemical properties of the material including the dissolved solids content of the pore water and lithology and porosity of the rock.

Canadian Geodetic Vertical Datum 1928 is a geodetic datum derived from a general adjustment of Canada's first order level network in 1928.

Cells/volume refers to the number of cells of any organism that is counted by using a microscope and grid or counting cell. Many planktonic organisms are multicelled and are counted according to the number of contained cells per sample volume, and are generally reported as cells or units per milliliter (mL) or liter (L).

Cells volume (biovolume) determination is one of several common methods used to estimate biomass of algae in aquatic systems. Cell members of algae are frequently used in aquatic surveys as an indicator of algal production. However, cell numbers alone cannot represent true biomass because of considerable cell-size variation among the algal species. Cell volume (μm^3) is determined by obtaining critical cell measurements or cell dimensions (for example, length, width, height, or radius) for 20 to 50 cells of each important species to obtain an average biovolume per cell. Cells are categorized according to the correspondence of their cellular shape to the nearest geometric solid or combinations of simple solids (for example, spheres, cones, or cylinders). Representative formulae used to compute biovolume are as follows:

$$\text{sphere } \frac{4}{3} \pi r^3 \quad \text{cone } \frac{1}{3} \pi r^2 h \quad \text{cylinder } \pi r^2 h.$$

pi (π) is the ratio of the circumference to the diameter of a circle; pi = 3.14159....

From cell volume, total algal biomass expressed as biovolume ($\mu\text{m}^3/\text{mL}$) is thus determined by multiplying the number of cells of a given species by its average cell volume and then summing these volumes for all species.

Cfs-day (See "Cubic foot per second-day")

Channel bars, as used in this report, are the lowest prominent geomorphic features higher than the channel bed.

Chemical oxygen demand (COD) is a measure of the chemically oxidizable material in the water and furnishes an approximation of the amount of organic and reducing material present. The determined value may correlate with BOD or with carbonaceous organic pollution from sewage or industrial wastes. [See also "Biochemical oxygen demand (BOD)"]

Clostridium perfringens (*C. perfringens*) is a spore-forming bacterium that is common in the feces of human and other warm-blooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and presence of microorganisms that are resistant to disinfection and environmental stresses. (See also "Bacteria")

Coliphages are viruses that infect and replicate in coliform bacteria. They are indicative of sewage contamination of water and of the survival and transport of viruses in the environment.

Color unit is produced by 1 milligram per liter of platinum in the form of the chloroplatinate ion. Color is expressed in units of the platinum-cobalt scale.

Confined aquifer is a term used to describe an aquifer containing water between two relatively impermeable boundaries. The water level in a well tapping a confined aquifer stands above the top of the confined aquifer and can be higher or lower than the water table that may be present in the material above it. In some cases, the water level can rise above the ground surface, yielding a flowing well.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Continuous-record station is a site where data are collected with sufficient frequency to define daily mean values and variations within a day.

Control designates a feature in the channel that physically affects the water-surface elevation and thereby determines the stage-discharge relation at the gage. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

Control structure, as used in this report, is a structure on a stream or canal that is used to regulate the flow or stage of the stream or to prevent the intrusion of saltwater.

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or approximately 449 gallons per minute, or 0.02832 cubic meters per second. The term “second-foot” sometimes is used synonymously with “cubic foot per second” but is now obsolete.

Cubic foot per second-day (CFS-DAY, Cfs-day, $[(\text{ft}^3/\text{s})/\text{d}]$) is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.98347 acre-feet, 646,317 gallons, or 2,446.6 cubic meters. The daily mean discharges reported in the daily value data tables are numerically equal to the daily volumes in cfs-days, and the totals also represent volumes in cfs-days.

Cubic foot per second per square mile [CFSM, $(\text{ft}^3/\text{s})/\text{mi}^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area. (See also “Annual runoff”)

Daily mean suspended-sediment concentration is the time-weighted concentration of suspended sediment passing a stream cross section during a 24-hour day. (See also “Sediment” and “Suspended-sediment concentration”)

Daily-record station is a site where data are collected with sufficient frequency to develop a record of one or more data values per day. The frequency of data collection can range from continuous recording to periodic sample or data collection on a daily or near-daily basis.

Data collection platform (DCP) is an electronic instrument that collects, processes, and stores data from various sensors, and transmits the data by satellite data relay, line-of-sight radio, and/or landline telemetry.

Data logger is a microprocessor-based data acquisition system designed specifically to acquire, process, and store data. Data are usually downloaded from onsite data loggers for entry into office data systems.

Datum is a surface or point relative to which measurements of height and/or horizontal position are reported. A vertical datum is a horizontal surface used as the zero point for measurements of gage height, stage, or elevation; a horizontal datum is a reference for positions given in terms of latitude-longitude, State Plane coordinates, or UTM coordinates. (See also “Gage datum,” “Land-surface datum,” “National Geodetic Vertical Datum of 1929,” and “North American Vertical Datum of 1988”).

Diatoms (*Bacillariophyta*) are the unicellular or colonial algae with a siliceous cell wall. The abundance of diatoms in phytoplankton samples is expressed as the number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter ($\mu\text{m}^3/\text{mL}$). The abundance of diatoms in periphyton samples is given in cells per square centimeter (cells/ cm^2) or biovolume per square centimeter ($\mu\text{m}^3/\text{cm}^2$). (See also “Phytoplankton” and “Periphyton”).

Diel is of or pertaining to a 24-hour period of time; a regular daily cycle.

Discharge, or flow, is the rate that matter passes through a cross section of a stream channel or other water body per unit of time. The term commonly refers to the volume of water (including, unless otherwise stated, any sediment or other constituents suspended or dissolved in the water) that passes a cross section in a stream channel, canal, pipeline, etc., within a given period of time (cubic feet per second). Discharge also can apply to the rate at which constituents, such as suspended sediment, bedload, and dissolved or suspended chemicals, pass through a cross section, in which cases the quantity is expressed as the mass of constituent that passes the cross section in a given period of time (tons per day).

Dissolved refers to that material in a representative water sample that passes through a 0.45-micrometer membrane filter. This is a convenient operational definition used by Federal and State agencies that collect water-quality data. Determinations of “dissolved” constituent concentrations are made on sample water that has been filtered.

Dissolved oxygen (DO) is the molecular oxygen (oxygen gas) dissolved in water. The concentration in water is a function of atmospheric pressure, temperature, and dissolved-solids concentration of the water. The ability of water to retain oxygen decreases with increasing temperature or dissolved-solids concentration. Photosynthesis and respiration by plants commonly cause diurnal variations in dissolved-oxygen concentration in water from some streams.

Dissolved-solids concentration in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the “residue-on-evaporation” method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L CaCO₃) can be converted to carbonate concentration by multiplying by 0.60.

Diversity index (H) (Shannon index) is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

$$\bar{d} = - \sum_{i=1}^s \frac{n_i}{n} \log_2 \frac{n_i}{n},$$

where n_i is the number of individuals per taxon, n is the total number of individuals, and s is the total number of taxa in the sample of the community. Index values range from zero, when all the organisms in the sample are the same, to some positive number, when some or all of the organisms in the sample are different.

Drainage area of a stream at a specific location is that area upstream from the location, measured in a horizontal plane, that has a common outlet at the site for its surface runoff from precipitation that normally drains by gravity into a stream. Drainage areas given herein include all closed basins, or noncontributing areas, within the area unless otherwise specified.

Drainage basin is a part of the Earth’s surface that contains a drainage system with a common outlet for its surface runoff. (See “Drainage area”)

Dry mass refers to the mass of residue present after drying in an oven at 105 °C, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as ash mass. (See also “Ash mass,” “Biomass,” and “Wet mass”)

Dry weight refers to the weight of animal tissue after it has been dried in an oven at 65 °C until a constant weight is achieved. Dry weight represents total organic and inorganic matter in the tissue. (See also “Wet weight”)

Embeddedness is the degree to which gravel-sized and larger particles are surrounded or enclosed by finer-sized particles. (See also “Substrate embeddedness class”)

Enterococcus bacteria are commonly found in the feces of humans and other warmblooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 °C on mE agar (nutrient medium for bacterial growth) and subsequent transfer to EIA medium. Enterococci include *Streptococcus faecalis*, *Streptococcus faecium*, *Streptococcus avium*, and their variants. (See also “Bacteria”)

EPT Index is the total number of distinct taxa within the insect orders Ephemeroptera, Plecoptera, and Trichoptera. This index summarizes the taxa richness within the aquatic insects that are generally considered pollution sensitive; the index usually decreases with pollution.

Escherichia coli (*E. coli*) are bacteria present in the intestine and feces of warmblooded animals. *E. coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 °C on mTEC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also “Bacteria”)

Estimated (E) value of a concentration is reported when an analyte is detected and all criteria for a positive result are met. If the concentration is less than the method detection limit (MDL), an E code will be reported with the value. If the analyte is identified qualitatively as present, but the quantitative determination is substantially more uncertain, the National Water Quality Laboratory will identify the result with an E code even though the measured value is greater than the MDL. A value reported with an E code should be used with caution. When no analyte is detected in a sample, the default reporting value is the MDL preceded by a less than sign (<). For bacteriological data, concentrations are reported as estimated when results are based on non-ideal colony counts.

Euglenoids (*Euglenophyta*) are a group of algae that are usually free-swimming and rarely creeping. They have the ability to grow either photosynthetically in the light or heterotrophically in the dark. (See also “Phytoplankton”)

Extractable organic halides (EOX) are organic compounds that contain halogen atoms such as chlorine. These organic compounds are semivolatile and extractable by ethyl acetate from air-dried streambed sediment. The ethyl acetate extract is combusted, and the concentration is determined by microcoulometric determination of the halides formed. The concentration is reported as micrograms of chlorine per gram of the dry weight of the streambed sediment.

Fecal coliform bacteria are present in the intestines or feces of warmblooded animals. They often are used as indicators of the sanitary quality of the water. In the laboratory, they are defined as all organisms that produce blue colonies within 24 hours when incubated at 44.5 °C plus or minus 0.2 °C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also “Bacteria”)

Fecal streptococcal bacteria are present in the intestines of warmblooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 °C plus or minus 1.0 °C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample. (See also “Bacteria”)

Filtered pertains to constituents in a water sample passed through a filter of specified pore diameter, most commonly 0.45 micrometer or less for inorganic analytes and 0.7 micrometer for organic analytes.

Filtered, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that has passed through a filter has been extracted. Complete recovery is not achieved by the extraction procedure and thus the analytical determination represents something less than 95 percent of the total constituent concentration in the sample. To achieve comparability of analytical data, equivalent extraction procedures are required of all laboratories performing such analyses because different procedures are likely to produce different analytical results.

Fire algae (*Pyrrhophyta*) are free-swimming unicells characterized by a red pigment spot. (See also “Phytoplankton”)

Flow-duration percentiles are values on a scale of 100 that indicate the percentage of time for which a flow is not exceeded. For example, the 90th percentile of river flow is greater than or equal to 90 percent of all recorded flow rates.

Gage datum is a horizontal surface used as a zero point for measurement of stage or gage height. This surface usually is located slightly below the lowest point of the stream bottom such that the gage height is usually slightly greater than the maximum depth of water. Because the gage datum itself is not an actual physical object, the datum usually is defined by specifying the elevations of permanent reference marks such as bridge abutments and survey monuments, and the gage is set to agree with the reference marks. Gage datum is a local datum that is maintained independently of any national geodetic datum. However, if the elevation of the gage datum relative to the national datum (North American Vertical Datum of 1988 or National Geodetic Vertical Datum of 1929) has been determined, then the gage readings can be converted to elevations above the national datum by adding the elevation of the gage datum to the gage reading.

Gage height (G.H.) is the water-surface elevation, in feet above the gage datum. If the water surface is below the gage datum, the gage height is negative. Gage height often is used interchangeably with the more general term "stage," although gage height is more appropriate when used in reference to a reading on a gage.

Gage values are values that are recorded, transmitted, and/or computed from a gaging station. Gage values typically are collected at 5-, 15-, or 30-minute intervals.

Gaging station is a site on a stream, canal, lake, or reservoir where systematic observations of stage, discharge, or other hydrologic data are obtained.

Gas chromatography/flame ionization detector (GC/FID) is a laboratory analytical method used as a screening technique for semivolatile organic compounds that are extractable from water in methylene chloride.

Geomorphic channel units, as used in this report, are fluvial geomorphic descriptors of channel shape and stream velocity. Pools, riffles, and runs are types of geomorphic channel units considered for National Water-Quality Assessment (NAWQA) Program habitat sampling.

Green algae (*Chlorophyta*) are unicellular or colonial algae with chlorophyll pigments similar to those in terrestrial green plants. Some forms of green algae produce mats or floating "moss" in lakes. The abundance of green algae in phytoplankton samples is expressed as number of cells per milliliter (cells/mL) or biovolume in cubic micrometers per milliliter ($\mu\text{m}^3/\text{mL}$). The abundance of green algae in periphyton samples is given in cells per square centimeter (cells/cm^2) or biovolume per square centimeter ($\mu\text{m}^3/\text{cm}^2$). (See also "Phytoplankton" and "Periphyton").

Habitat, as used in this report, includes all nonliving (physical) aspects of the aquatic ecosystem, although living components like aquatic macrophytes and riparian vegetation also are usually included. Measurements of habitat are typically made over a wider geographic scale than are measurements of species distribution.

Habitat quality index is the qualitative description (level 1) of instream habitat and riparian conditions surrounding the reach sampled. Scores range from 0 to 100 percent with higher scores indicative of desirable habitat conditions for aquatic life. Index only applicable to wadable streams.

Hardness of water is a physical-chemical characteristic that commonly is recognized by the increased quantity of soap required to produce lather. It is computed as the sum of equivalents of polyvalent cations (primarily calcium and magnesium) and is expressed as the equivalent concentration of calcium carbonate (CaCO_3).

High tide is the maximum height reached by each rising tide. The high-high and low-high tides are the higher and lower of the two high tides, respectively, of each tidal day. "See NOAA web site: <http://www.csc.noaa.gov/text/glossary.html> (see "Low water")"

Hilsenhoff's Biotic Index (HBI) is an indicator of organic pollution that uses tolerance values to weight taxa abundances; usually increases with pollution. It is calculated as follows:

$$HBI = \frac{\sum (n)(a)}{N},$$

where n is the number of individuals of each taxon, a is the tolerance value of each taxon, and N is the total number of organisms in the sample.

Horizontal datum (See "Datum")

Hydrologic index stations referred to in this report are continuous-record gaging stations that have been selected as representative of streamflow patterns for their respective regions. Station locations are shown on index maps.

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as defined by the former Office of Water Data Coordination and delineated on the State Hydrologic Unit Maps by the USGS. Each hydrologic unit is identified by an 8-digit number.

Inch (IN., in.), as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it. (See also "Annual runoff")

Instantaneous discharge is the discharge at a particular instant of time. (See also "Discharge")

International Boundary Commission Survey Datum refers to a geodetic datum established at numerous monuments along the United States-Canada boundary by the International Boundary Commission.

Island, as used in this report, is a mid-channel bar that has permanent woody vegetation, is flooded once a year on average, and remains stable except during large flood events.

Laboratory reporting level (LRL) is generally equal to twice the yearly determined long-term method detection level (LT-MDL). The LRL controls false negative error. The probability of falsely reporting a nondetection for a sample that contained an analyte at a concentration equal to or greater than the LRL is predicted to be less than or equal to 1 percent. The value of the LRL will be reported with a "less than" (<) remark code for samples in which the analyte was not detected. The National Water Quality Laboratory (NWQL) collects quality-control data from selected analytical methods on a continuing basis to determine LT-MDLs and to establish LRLs. These values are reevaluated annually on the basis of the most current quality-control data and, therefore, may change. The LRL replaces the term 'non-detection value' (NDV).

Land-surface datum (lsd) is a datum plane that is approximately at land surface at each ground-water observation well.

Latent heat flux (often used interchangeably with latent heat-flux density) is the amount of heat energy that converts water from liquid to vapor (evaporation) or from vapor to liquid (condensation) across a specified cross-sectional area per unit time. Usually expressed in watts per square meter.

Light-attenuation coefficient, also known as the extinction coefficient, is a measure of water clarity. Light is attenuated according to the Lambert-Beer equation:

$$I = I_0 e^{-\lambda L},$$

where I_0 is the source light intensity, I is the light intensity at length L (in meters) from the source, λ is the light-attenuation coefficient, and e is the base of the natural logarithm. The light-attenuation coefficient is defined as

$$\lambda = -\frac{1}{L} \log_e \frac{I}{I_0}.$$

Lipid is any one of a family of compounds that are insoluble in water and that make up one of the principal components of living cells. Lipids include fats, oils, waxes, and steroids. Many environmental contaminants such as organochlorine pesticides are lipophilic.

Long-term method detection level (LT-MDL) is a detection level derived by determining the standard deviation of a minimum of 24 method detection limit (MDL) spike sample measurements over an extended period of time. LT-MDL data are collected on a continuous basis to assess year-to-year variations in the LT-MDL. The LT-MDL controls false positive error. The chance of falsely reporting a concentration at or greater than the LT-MDL for a sample that did not contain the analyte is predicted to be less than or equal to 1 percent.

Low tide is the minimum height reached by each falling tide. The high-low and low-low tides are the higher and lower of the two low tides, respectively, of each tidal day. *"See NOAA web site: <http://www.csc.noaa.gov/text/glossary.html> (see "High water")"*

Macrophytes are the macroscopic plants in the aquatic environment. The most common macrophytes are the rooted vascular plants that usually are arranged in zones in aquatic ecosystems and restricted in the area by the extent of illumination through the water and sediment deposition along the shoreline.

Mean concentration of suspended sediment (Daily mean suspended-sediment concentration) is the time-weighted concentration of suspended sediment passing a stream cross section during a given time period. (See also "Daily mean suspended-sediment concentration" and "Suspended-sediment concentration")

Mean discharge (MEAN) is the arithmetic mean of individual daily mean discharges during a specific period. (See also "Discharge")

Mean high or low tide is the average of all high or low tides, respectively, over a specific period.

Mean sea level is a local tidal datum. It is the arithmetic mean of hourly heights observed over the National Tidal Datum Epoch. Shorter series are specified in the name; for example, monthly mean sea level and yearly mean sea level. In order that they may be recovered when needed, such datums are referenced to fixed points known as benchmarks. (See also "Datum")

Measuring point (MP) is an arbitrary permanent reference point from which the distance to water surface in a well is measured to obtain water level.

Membrane filter is a thin microporous material of specific pore size used to filter bacteria, algae, and other very small particles from water.

Metamorphic stage refers to the stage of development that an organism exhibits during its transformation from an immature form to an adult form. This developmental process exists for most insects, and the degree of difference from the immature stage to the adult form varies from relatively slight to pronounced, with many intermediates. Examples of metamorphic stages of insects are egg-larva-adult or egg-nymph-adult.

Method code is a one-character code that identifies the analytical or field method used to determine a value stored in the National Water Information System (NWIS).

Method detection limit (MDL) is the minimum concentration of a substance that can be measured and reported with 99-percent confidence that the analyte concentration is greater than zero. It is determined from the analysis of a sample in a given matrix containing the analyte. At the MDL concentration, the risk of a false positive is predicted to be less than or equal to 1 percent.

Method of Cubatures is a method of computing discharge in tidal estuaries based on the conservation of mass equation.

Methylene blue active substances (MBAS) are apparent detergents. The determination depends on the formation of a blue color when methylene blue dye reacts with synthetic anionic detergent compounds.

Micrograms per gram (UG/G, µg/g) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the element per unit mass (gram) of material analyzed.

Micrograms per kilogram (UG/KG, µg/kg) is a unit expressing the concentration of a chemical constituent as the mass (micrograms) of the constituent per unit mass (kilogram) of the material analyzed. One microgram per kilogram is equivalent to 1 part per billion.

Micrograms per liter (UG/L, $\mu\text{g/L}$) is a unit expressing the concentration of chemical constituents in water as mass (micrograms) of constituent per unit volume (liter) of water. One thousand micrograms per liter is equivalent to 1 milligram per liter. One microgram per liter is equivalent to 1 part per billion.

Microsiemens per centimeter (US/CM, $\mu\text{S/cm}$) is a unit expressing the amount of electrical conductivity of a solution as measured between opposite faces of a centimeter cube of solution at a specified temperature. Siemens is the International System of Units nomenclature. It is synonymous with mhos and is the reciprocal of resistance in ohms.

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in water as the mass (milligrams) of constituent per unit volume (liter) of water. Concentration of suspended sediment also is expressed in milligrams per liter and is based on the mass of dry sediment per liter of water-sediment mixture.

Minimum reporting level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method.

Miscellaneous site, miscellaneous station, or miscellaneous sampling site is a site where streamflow, sediment, and/or water-quality data or water-quality or sediment samples are collected once, or more often on a random or discontinuous basis to provide better areal coverage for defining hydrologic and water-quality conditions over a broad area in a river basin.

Most probable number (MPN) is an index of the number of coliform bacteria that, more probably than any other number, would give the results shown by the laboratory examination; it is not an actual enumeration. MPN is determined from the distribution of gas-positive cultures among multiple inoculated tubes.

Multiple-plate samplers are artificial substrates of known surface area used for obtaining benthic invertebrate samples. They consist of a series of spaced, hardboard plates on an eyebolt.

Nanograms per liter (NG/L, ng/L) is a unit expressing the concentration of chemical constituents in solution as mass (nanograms) of solute per unit volume (liter) of water. One million nanograms per liter is equivalent to 1 milligram per liter.

National Geodetic Vertical Datum of 1929 (NGVD of 1929) is a fixed reference adopted as a standard geodetic datum for elevations determined by leveling. It was formerly called "Sea Level Datum of 1929" or "mean sea level." Although the datum was derived from the mean sea level at 26 tide stations, it does not necessarily represent local mean sea level at any particular place. See NOAA web site: <http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88> (See "North American Vertical Datum of 1988")

Natural substrate refers to any naturally occurring immersed or submersed solid surface, such as a rock or tree, upon which an organism lives. (See also "Substrate")

Nekton are the consumers in the aquatic environment and consist of large free-swimming organisms that are capable of sustained, directed mobility.

Nephelometric turbidity unit (NTU) is the measurement for reporting turbidity that is based on use of a standard suspension of formazin. Turbidity measured in NTU uses nephelometric methods that depend on passing specific light of a specific wavelength through the sample.

Nonfilterable refers to the portion of the total residue retained by a filter.

North American Datum of 1927 (NAD 27) is the horizontal control datum for the United States that was defined by a location and azimuth on the Clarke spheroid of 1866.

North American Datum of 1983 (NAD 83) is the horizontal control datum for the United States, Canada, Mexico, and Central America that is based on the adjustment of 250,000 points including 600 satellite Doppler stations that constrain the system to a geocentric origin. NAD 83 has been officially adopted as the legal horizontal datum for the United States by the Federal government.

North American Vertical Datum of 1988 (NAVD 1988) is a fixed reference adopted as the official civilian vertical datum for elevations determined by Federal surveying and mapping activities in the United States. This datum was established in 1991 by minimum-constraint adjustment of the Canadian, Mexican, and United States first-order terrestrial leveling networks.

Open or screened interval is the length of unscreened opening or of well screen through which water enters a well, in feet below land surface.

Organic carbon (OC) is a measure of organic matter present in aqueous solution, suspension, or bottom sediment. May be reported as dissolved organic carbon (DOC), particulate organic carbon (POC), or total organic carbon (TOC).

Organic mass or volatile mass of a living substance is the difference between the dry mass and ash mass and represents the actual mass of the living matter. Organic mass is expressed in the same units as for ash mass and dry mass. (See also "Ash mass," "Biomass," and "Dry mass")

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meter (m²), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

Organochlorine compounds are any chemicals that contain carbon and chlorine. Organochlorine compounds that are important in investigations of water, sediment, and biological quality include certain pesticides and industrial compounds.

Parameter code is a 5-digit number used in the USGS computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent or property.

Partial-record station is a site where discrete measurements of one or more hydrologic parameters are obtained over a period of time without continuous data being recorded or computed. A common example is a crest-stage gage partial-record station at which only peak stages and flows are recorded.

Particle size is the diameter, in millimeters (mm), of a particle determined by sieve or sedimentation methods. The sedimentation method utilizes the principle of Stokes law to calculate sediment particle sizes. Sedimentation methods (pipet, bottom-withdrawal tube, visual-accumulation tube, sedigraph) determine fall diameter of particles in either distilled water (chemically dispersed) or in native water (the river water at the time and point of sampling).

Particle-size classification, as used in this report, agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Classification	Size (mm)	Method of analysis
Clay	>0.00024 - 0.004	Sedimentation
Silt	>0.004 - 0.062	Sedimentation
Sand	>0.062 - 2.0	Sedimentation/sieve
Gravel	>2.0 - 64.0	Sieve
Cobble	>64 - 256	Manual measurement
Boulder	>256	Manual measurement

The particle-size distributions given in this report are not necessarily representative of all particles in transport in the stream. For the sedimentation method, most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis in distilled water. Chemical dispersion is not used for native water analysis.

Peak flow (peak stage) is an instantaneous local maximum value in the continuous time series of streamflows or stages, preceded by a period of increasing values and followed by a period of decreasing values. Several peak values ordinarily occur in a year. The maximum peak value in a year is called the annual peak; peaks lower than the annual peak are called secondary peaks. Occasionally, the annual peak may not be the maximum value for the year; in such cases, the maximum value occurs at midnight at the beginning or end of the year, on the recession from or rise toward a higher peak in the adjoining year. If values are recorded at a discrete series of times, the peak recorded value may be taken as an approximation of the true peak, which may occur between the recording instants. If the values are recorded with finite precision, a sequence of equal recorded values may occur at the peak; in this case, the first value is taken as the peak.

Percent composition or percent of total is a unit for expressing the ratio of a particular part of a sample or population to the total sample or population, in terms of types, numbers, weight, mass, or volume.

Percent shading is a measure of the amount of sunlight potentially reaching the stream. A clinometer is used to measure left and right bank canopy angles. These values are added together, divided by 180, and multiplied by 100 to compute percentage of shade.

Periodic-record station is a site where stage, discharge, sediment, chemical, physical, or other hydrologic measurements are made one or more times during a year but at a frequency insufficient to develop a daily record.

Periphyton is the assemblage of microorganisms attached to and living upon submerged solid surfaces. Although primarily consisting of algae, they also include bacteria, fungi, protozoa, rotifers, and other small organisms. Periphyton are useful indicators of water quality.

Pesticides are chemical compounds used to control undesirable organisms. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides.

pH of water is the negative logarithm of the hydrogen-ion activity. Solutions with pH less than 7.0 standard units are termed "acidic," and solutions with a pH greater than 7.0 are termed "basic." Solutions with a pH of 7.0 are neutral. The presence and concentration of many dissolved chemical constituents found in water are affected, in part, by the hydrogen-ion activity of water. Biological processes including growth, distribution of organisms, and toxicity of the water to organisms also are affected, in part, by the hydrogen-ion activity of water.

Phytoplankton is the plant part of the plankton. They are usually microscopic, and their movement is subject to the water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment and commonly are known as algae. (See also "Plankton")

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample.

Polychlorinated biphenyls (PCBs) are industrial chemicals that are mixtures of chlorinated biphenyl compounds having various percentages of chlorine. They are similar in structure to organochlorine insecticides.

Polychlorinated naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds. They have properties and applications similar to polychlorinated biphenyls (PCBs) and have been identified in commercial PCB preparations.

Pool, as used in this report, is a small part of a stream reach with little velocity, commonly with water deeper than surrounding areas.

Primary productivity is a measure of the rate at which new organic matter is formed and accumulated through photo-synthetic and chemosynthetic activity of producer organisms (chiefly, green plants). The rate of primary production is estimated by measuring the amount of oxygen released (oxygen method) or the amount of carbon assimilated (carbon method) by the plants.

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [$\text{mg C}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg C}/(\text{m}^3/\text{time})$] for phytoplankton. The carbon method defines the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light and dark bottle method and is preferred for use with unenriched water samples. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Primary productivity (oxygen method) is expressed as milligrams of oxygen per area per unit time [$\text{mg O}/(\text{m}^2/\text{time})$] for periphyton and macrophytes or per volume [$\text{mg O}/(\text{m}^3/\text{time})$] for phytoplankton. The oxygen method defines production and respiration rates as estimated from changes in the measured dissolved-oxygen concentration. The oxygen light and dark bottle method is preferred if the rate of primary production is sufficient for accurate measurements to be made within 24 hours. Unit time may be either the hour or day, depending on the incubation period. (See also "Primary productivity")

Radioisotopes are isotopic forms of elements that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus; for example, ordinary chlorine is a mixture of isotopes having atomic weights of 35 and 37, and the natural mixture has an atomic weight of about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron. There are 275 isotopes of the 81 stable elements, in addition to more than 800 radioactive isotopes.

Reach, as used in this report, is a length of stream that is chosen to represent a uniform set of physical, chemical, and biological conditions within a segment. It is the principal sampling unit for collecting physical, chemical, and biological data.

Recoverable is the amount of a given constituent that is in solution after a representative water sample has been extracted or digested. Complete recovery is not achieved by the extraction or digestion and thus the determination represents something less than 95 percent of the constituent present in the sample. To achieve comparability of analytical data, equivalent extraction or digestion procedures are required of all laboratories performing such analyses because different procedures are likely to produce different analytical results. (See also "Bed material").

Recurrence interval, also referred to as return period, is the average time, usually expressed in years, between occurrences of hydrologic events of a specified type (such as exceedances of a specified high flow or nonexceedance of a specified low flow). The terms "return period" and "recurrence interval" do not imply regular cyclic occurrence. The actual times between occurrences vary randomly, with most of the times being less than the average and a few being substantially greater than the average. For example, the 100-year flood is the flow rate that is exceeded by the annual maximum peak flow at intervals whose average length is 100 years (that is, once in 100 years, on average); almost two-thirds of all exceedances of the 100-year flood occur less than 100 years after the previous exceedance, half occur less than 70 years after the previous exceedance, and about one-eighth occur more than 200 years after the previous exceedance. Similarly, the 7-day, 10-year low flow ($7Q_{10}$) is the flow rate below which the annual minimum 7-day-mean flow dips at intervals whose average length is 10 years (that is, once in 10 years, on average); almost two-thirds of the nonexceedances of the $7Q_{10}$ occur less than 10 years after the previous nonexceedance, half occur less than 7 years after, and about one-eighth occur more than 20 years after the previous nonexceedance. The recurrence interval for annual events is the reciprocal of the annual probability of occurrence. Thus, the 100-year flood has a 1-percent chance of being exceeded by the maximum peak flow in any year, and there is a 10-percent chance in any year that the annual minimum 7-day-mean flow will be less than the $7Q_{10}$.

Replicate samples are a group of samples collected in a manner such that the samples are thought to be essentially identical in composition.

Return period (See "Recurrence interval")

Riffle, as used in this report, is a shallow part of the stream where water flows swiftly over completely or partially submerged obstructions to produce surface agitation.

River mileage is the curvilinear distance, in miles, measured upstream from the mouth along the meandering path of a stream channel in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council and typically is used to denote location along a river.

Run, as used in this report, is a relatively shallow part of a stream with moderate velocity and little or no surface turbulence.

Runoff is the quantity of water that is discharged (“runs off”) from a drainage basin during a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches. (See also “Annual runoff”)

Salinity is the total quantity of dissolved salts, measured by weight in parts per thousand. Values in this report are calculated from specific conductance and temperature. Seawater has an average salinity of about 35 parts per thousand (for additional information, refer to: Miller, R.L., Bradford, W.L., and Peters, N.E., 1988, Specific conductance: theoretical considerations and application to analytical quality control: U.S. Geological Survey Water-Supply Paper 2311, 16 p.)

Sea level, as used in this report, refers to one of the two commonly used national vertical datums (NGVD 1929 or NAVD 1988). See separate entries for definitions of these datums. See conversion factors and vertical datum page (inside back cover) for identification of the datum used in this report.

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as “fluvial sediment.” Sediment includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are affected by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

Sensible heat flux (often used interchangeably with latent sensible heat-flux density) is the amount of heat energy that moves by turbulent transport through the air across a specified cross-sectional area per unit time and goes to heating (cooling) the air. Usually expressed in watts per square meter.

Seven-day, 10-year low flow ($7Q_{10}$) is the discharge below which the annual 7-day minimum flow falls in 1 year out of 10 on the long-term average. The recurrence interval of the $7Q_{10}$ is 10 years; the chance that the annual 7-day minimum flow will be less than the $7Q_{10}$ is 10 percent in any given year. (See also “Annual 7-day minimum” and “Recurrence interval”)

Shelves, as used in this report, are streambank features extending nearly horizontally from the flood plain to the lower limit of persistent woody vegetation.

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

Soil heat flux (often used interchangeably with soil heat-flux density) is the amount of heat energy that moves by conduction across a specified cross-sectional area of soil per unit time and goes to heating (or cooling) the soil. Usually expressed in watts per square meter.

Soil-water content is the water lost from the soil upon drying to constant mass at 105 °C; expressed either as mass of water per unit mass of dry soil or as the volume of water per unit bulk volume of soil.

Specific electrical conductance (conductivity) is a measure of the capacity of water (or other media) to conduct an electrical current. It is expressed in microsiemens per centimeter at 25 °C. Specific electrical conductance is a function of the types and quantity of dissolved substances in water and can be used for approximating the dissolved-solids content of the water. Commonly, the concentration of dissolved solids (in milligrams per liter) is from 55 to 75 percent of the specific conductance (in microsiemens). This relation is not constant from stream to stream, and it may vary in the same source with changes in the composition of the water.

Stable isotope ratio (per MIL) is a unit expressing the ratio of the abundance of two radioactive isotopes. Isotope ratios are used in hydrologic studies to determine the age or source of specific water, to evaluate mixing of different water, as an aid in determining reaction rates, and other chemical or hydrologic processes.

Stage (See “Gage height”)

Stage-discharge relation is the relation between the water-surface elevation, termed stage (gage height), and the volume of water flowing in a channel per unit time.

Streamflow is the discharge that occurs in a natural channel. Although the term “discharge” can be applied to the flow of a canal, the word “streamflow” uniquely describes the discharge in a surface stream course. The term “streamflow” is more general than “runoff” as streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Substrate is the physical surface upon which an organism lives.

Substrate embeddedness class is a visual estimate of riffle streambed substrate larger than gravel that is surrounded or covered by fine sediment (<2mm, sand or finer). Below are the class categories expressed as the percentage covered by fine sediment:

0 no gravel or larger substrate	3 26-50 percent
1 > 75 percent	4 5-25 percent
2 51-75 percent	5 < 5 percent

Surface area of a lake is that area (acres) encompassed by the boundary of the lake as shown on USGS topographic maps, or other available maps or photographs. Because surface area changes with lake stage, surface areas listed in this report represent those determined for the stage at the time the maps or photographs were obtained.

Surficial bed material is the upper surface (0.1 to 0.2 foot) of the bed material that is sampled using U.S. Series Bed-Material Samplers.

Surrogate is an analyte that behaves similarly to a target analyte, but that is highly unlikely to occur in a sample. A surrogate is added to a sample in known amounts before extraction and is measured with the same laboratory procedures used to measure the target analyte. Its purpose is to monitor method performance for an individual sample.

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of undissolved material in a water-sediment mixture. It is defined operationally as the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative suspended water-sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the “total” amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of “suspended, recoverable” constituents are made either by directly analyzing the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total recoverable concentrations of the constituent. (See also “Suspended”)

Suspended sediment is the sediment maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid. (See also “Sediment”)

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 foot above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration. (See also “Sediment” and “Suspended sediment”)

Suspended-sediment discharge (tons/d) is the rate of sediment transport, as measured by dry mass or volume, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft³/s) x 0.0027. (See also “Sediment,” “Suspended sediment,” and “Suspended-sediment concentration”)

Suspended-sediment load is a general term that refers to a given characteristic of the material in suspension that passes a point during a specified period of time. The term needs to be qualified, such as “annual suspended-sediment load” or “sand-size suspended-sediment load,” and so on. It is not synonymous with either suspended-sediment discharge or concentration. (See also “Sediment”)

Suspended, total is the total amount of a given constituent in the part of a water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. Knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as “suspended, total.” Determinations of “suspended, total” constituents are made either by directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, on the basis of determinations of (1) dissolved and (2) total concentrations of the constituent. (See also “Suspended”)

Suspended solids, total residue at 105 °C concentration is the concentration of inorganic and organic material retained on a filter, expressed as milligrams of dry material per liter of water (mg/L). An aliquot of the sample is used for this analysis.

Synoptic studies are short-term investigations of specific water-quality conditions during selected seasonal or hydro-logic periods to provide improved spatial resolution for critical water-quality conditions. For the period and conditions sampled, they assess the spatial distribution of selected water-quality conditions in relation to causative factors, such as land use and contaminant sources.

Taxa (Species) richness is the number of species (taxa) present in a defined area or sampling unit.

Taxonomy is the division of biology concerned with the classification and naming of organisms. The classification of organisms is based upon a hierarchical scheme beginning with Kingdom and ending with Species at the base. The higher the classification level, the fewer features the organisms have in common. For example, the taxonomy of a particular mayfly, *Hexagenia limbata*, is the following:

Kingdom:	Animal
Phylum:	Arthropoda
Class:	Insecta
Order:	Ephemeroptera
Family:	Ephemeridae
Genus:	<i>Hexagenia</i>
Species:	<i>Hexagenia limbata</i>

Thalweg is the line formed by connecting points of minimum streambed elevation (deepest part of the channel).

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term “temperature recorder” is used in the table descriptions and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water resulting from the mixing of flow proportionally to the duration of the concentration.

Tons per acre-foot (T/acre-ft) is the dry mass (tons) of a constituent per unit volume (acre-foot) of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day (T/DAY, tons/d) is a common chemical or sediment discharge unit. It is the quantity of a substance in solution, in suspension, or as bedload that passes a stream section during a 24-hour period. It is equivalent to 2,000 pounds per day, or 0.9072 metric tons per day.

Total is the amount of a given constituent in a representative whole-water (unfiltered) sample, regardless of the constituent's physical or chemical form. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent present in both the dissolved and suspended phases of the sample. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total." (Note that the word "total" does double duty here, indicating both that the sample consists of a water-suspended sediment mixture and that the analytical method determined at least 95 percent of the constituent in the sample.)

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warmblooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35 °C. In the laboratory, these bacteria are defined as all the organisms that produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35 °C plus or minus 1.0 °C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliliters of sample. (See also "Bacteria")

Total discharge is the quantity of a given constituent, measured as dry mass or volume, that passes a stream cross section per unit of time. When referring to constituents other than water, this term needs to be qualified, such as "total sediment discharge," "total chloride discharge," and so on.

Total in bottom material is the amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

Total length (fish) is the straight-line distance from the anterior point of a fish specimen's snout, with the mouth closed, to the posterior end of the caudal (tail) fin, with the lobes of the caudal fin squeezed together.

Total load refers to all of a constituent in transport. When referring to sediment, it includes suspended load plus bed load.

Total organism count is the number of organisms collected and enumerated in any particular sample. (See also "Organism count/volume")

Total recoverable is the amount of a given constituent in a whole-water sample after a sample has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the dissolved and suspended phases of the sample. To achieve comparability of analytical data for whole-water samples, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures may produce different analytical results.

Total sediment discharge is the mass of suspended-sediment plus bed-load transport, measured as dry weight, that passes a cross section in a given time. It is a rate and is reported as tons per day. (See also "Bedload," "Bedload discharge," "Sediment," "Suspended sediment," and "Suspended-sediment concentration")

Total sediment load or **total load** is the sediment in transport as bedload and suspended-sediment load. The term may be qualified, such as "annual suspended-sediment load" or "sand-size suspended-sediment load," and so on. It differs from total sediment discharge in that load refers to the material, whereas discharge refers to the quantity of material, expressed in units of mass per unit time. (See also "Sediment," "Suspended-sediment load," and "Total load")

Transect, as used in this report, is a line across a stream perpendicular to the flow and along which measurements are taken, so that morphological and flow characteristics along the line are described from bank to bank. Unlike a cross section, no attempt is made to determine known elevation points along the line.

Turbidity is an expression of the optical properties of a liquid that causes light rays to be scattered and absorbed rather than transmitted in straight lines through water. Turbidity, which can make water appear cloudy or muddy, is caused by the presence of suspended and dissolved matter, such as clay, silt, finely divided organic matter, plankton and other microscopic organisms, organic acids, and dyes (ASTM International, 2003, D1889–00 Standard test method for turbidity of water, *in* ASTM International, Annual Book of ASTM Standards, Water and Environmental Technology, v. 11.01: West Conshohocken, Pennsylvania, 6 p.). The color of water, whether resulting from dissolved compounds or suspended particles, can affect a turbidity measurement. To ensure that USGS turbidity data can be understood and interpreted properly within the context of the instrument used and site conditions encountered, data from each instrument type are stored and reported in the National Water Information System (NWIS) using parameter codes and measurement reporting units that are specific to the instrument type, with specific instruments designated by the method code. The respective measurement units, many of which also are in use internationally, fall into two categories: (1) the designations NTU, NTRU, BU, AU, and NTMU signify the use of a broad spectrum incident light in the wavelength range of 400-680 nanometers (nm), but having different light detection configurations; (2) The designations FNU, FNRU, FBU, FAU, and FNMU generally signify an incident light in the range between 780-900 nm, also with varying light detection configurations. These reporting units are equivalent when measuring a calibration solution (for example, formazin or polymer beads), but their respective instruments may not produce equivalent results for environmental samples. Specific reporting units are as follows:

NTU (Nephelometric Turbidity Units): white or broadband [400-680 nm] light source, 90 degree detection angle, one detector.

NTRU (Nephelometric Turbidity Ratio Units): white or broadband [400-680 nm] light source, 90 degree detection angle, multiple detectors with ratio compensation.

BU (Backscatter Units): white or broadband [400-680 nm] light source, 30 ± 15 degree detection angle (backscatter).

AU (Attenuation Units): white or broadband [400-680 nm] light source, 180 degree detection angle (attenuation).

NTMU (Nephelometric Turbidity Multibeam Units): white or broadband [400-680 nm] light source, multiple light sources, detectors at 90 degrees and possibly other angles to each beam.

FNU (Formazin Nephelometric Units): near infrared [780-900 nm] or monochrome light source, 90 degree detection angle, one detector.

FNRU (Formazin Nephelometric Ratio Units): near infrared [780-900 nm] or monochrome light source, 90 degree detection angle, multiple detectors, ratio compensation.

FBU (Formazin Backscatter Units): near infrared [780-900 nm] or monochrome light source, 30 ± 15 degree detection angle.

FAU (Formazin Attenuation Units): near infrared [780-900 nm] light source, 180 degree detection angle.

FNMU (Formazin Nephelometric Multibeam Units): near infrared [780-900 nm] or monochrome light source, multiple light sources, detectors at 90 degrees and possibly other angles to each beam.

For more information please see http://water.usgs.gov/owq/FieldManual/Chapter6/6.7_contents.html.

Ultraviolet (UV) absorbance (absorption) at 254 or 280 nanometers is a measure of the aggregate concentration of the mixture of UV absorbing organic materials dissolved in the analyzed water, such as lignin, tannin, humic substances, and various aromatic compounds. UV absorbance (absorption) at 254 or 280 nanometers is measured in UV absorption units per centimeter of pathlength of UV light through a sample.

Unconfined aquifer is an aquifer whose upper surface is a water table free to fluctuate under atmospheric pressure. (See “Water-table aquifer”)

Unfiltered pertains to the constituents in an unfiltered, representative water-suspended sediment sample.

Unfiltered, recoverable is the amount of a given constituent in a representative water-suspended sediment sample that has been extracted or digested. Complete recovery is not achieved by the extraction or digestion treatment and thus the determination represents less than 95 percent of the constituent present in the sample. To achieve comparability of analytical data, equivalent extraction or digestion procedures are required of all laboratories performing such analyses because different procedures are likely to produce different analytical results.

Vertical datum (See “Datum”)

Volatile organic compounds (VOCs) are organic compounds that can be isolated from the water phase of a sample by purging the water sample with inert gas, such as helium, and subsequently analyzed by gas chromatography. Many VOCs are human-made chemicals that are used and produced in the manufacture of paints, adhesives, petroleum products, pharmaceuticals, and refrigerants. They are often components of fuels, solvents, hydraulic fluids, paint thinners, and dry cleaning agents commonly used in urban settings. VOC contamination of drinking-water supplies is a human health concern because many are toxic and are known or suspected human carcinogens.

Water table is that surface in a ground-water body at which the water pressure is equal to the atmospheric pressure.

Water-table aquifer is an unconfined aquifer within which the water table is found.

Water year in USGS reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 2002, is called the “2002 water year.”

Watershed (See “Drainage basin”)

WDR is used as an abbreviation for “Water-Data Report” in the REVISED RECORDS paragraph to refer to State annual hydrologic-data reports. (WRD was used as an abbreviation for “Water-Resources Data” in reports published prior to 1976.)

Weighted average is used in this report to indicate discharge-weighted average. It is computed by multiplying the discharge for a sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the water year after thorough mixing in the reservoir.

Wet mass is the mass of living matter plus contained water. (See also “Biomass” and “Dry mass”)

Wet weight refers to the weight of animal tissue or other substance including its contained water. (See also “Dry weight”)

WSP is used as an acronym for “Water-Supply Paper” in reference to previously published reports.

Zooplankton is the animal part of the plankton. Zooplankton are capable of extensive movements within the water column and often are large enough to be seen with the unaided eye. Zooplankton are secondary consumers feeding upon bacteria, phytoplankton, and detritus. Because they are the grazers in the aquatic environment, the zooplankton are a vital part of the aquatic food web. The zooplankton community is dominated by small crustaceans and rotifers. (See also “Plankton”).

STAGE, DISCHARGE, AND WATER QUALITY OF STREAMS

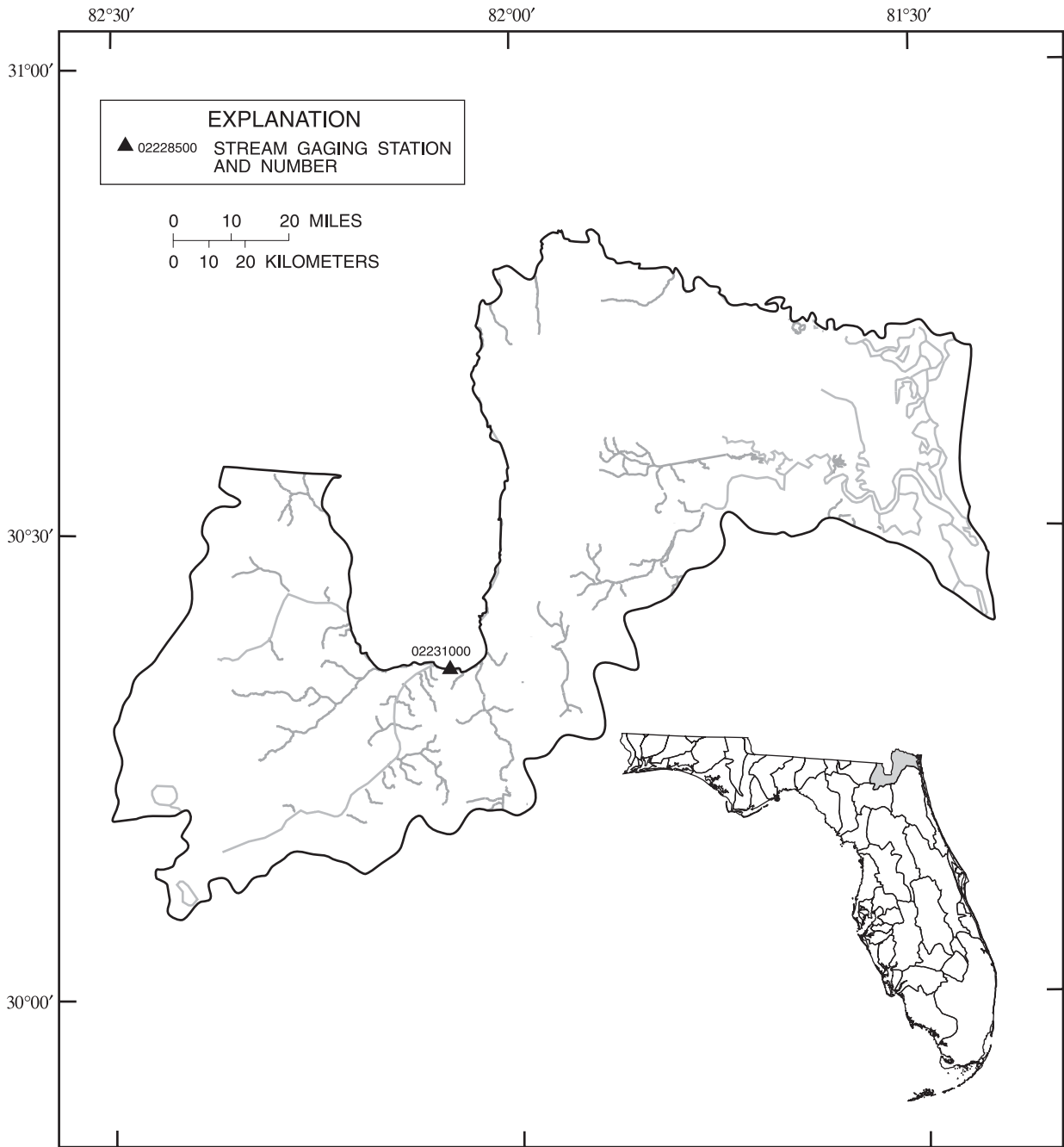


Figure 3.--Location of stream gaging stations in the St. Marys River basin and the coastal area between the St. Marys and St. Johns Rivers.

02231000 ST. MARYS RIVER NEAR MACCLENNY, FL

LOCATION.--Lat 30° 21' 31", long 82° 04' 54", in NW¹/₄ sec.2, T.2 S., R.22 E., Baker County, Hydrologic Unit 03070204, on right bank 200 ft downstream from site of former Stokes Bridge, 1 mi downstream from confluence of North and South Prongs, 6 mi northeast of Macclenny, and 100 mi upstream from mouth.

DRAINAGE AREA.--700 mi², approximately, includes part of watershed in Okefenokee Swamp, which is indeterminate.

PERIOD OF RECORD.--October 1926 to current year.

REVISED RECORDS.--WSP 1082: 1928(M), 1945(M). WSP 1142: 1928, 1945. WSP 1434: 1927. WSP 1905: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 40.00 ft above NGVD of 1929 (levels by Mees and Mees). Prior to Feb. 21, 1939, nonrecording gage and Feb. 21, 1939 to Aug. 15, 1948, water-stage recorder, at site of former bridge 200 ft upstream, at same datum.

REMARKS.--Records fair. A maximum discharge, 9,330 ft³/s, and stage, 17.47 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 29, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8,710	583	732	840	411	2,240	2,680	418	96	1,930	630	576
2	7,500	552	668	772	391	2,340	3,540	548	97	2,720	1,160	526
3	6,490	520	613	713	390	2,170	5,130	608	96	3,280	1,810	450
4	5,720	491	563	663	412	1,910	5,090	562	97	3,600	2,010	381
5	5,050	465	524	617	414	1,690	4,720	552	98	3,130	1,920	326
6	4,440	440	496	575	393	1,500	4,190	749	93	2,710	1,910	289
7	3,910	415	467	536	368	1,330	3,730	901	85	2,340	2,320	379
8	3,430	393	443	502	346	1,200	3,560	859	79	2,000	2,890	565
9	2,990	374	423	473	328	1,160	3,770	730	74	1,660	3,260	541
10	2,600	356	459	447	309	1,120	3,770	615	78	1,530	3,230	461
11	2,300	342	680	425	291	1,030	3,470	528	94	1,700	2,900	375
12	2,100	330	740	407	276	915	3,060	465	142	1,890	2,480	304
13	1,920	322	663	390	262	808	2,710	421	214	2,040	2,100	252
14	1,750	319	591	438	250	717	2,440	372	284	2,130	1,710	213
15	1,610	316	532	622	244	642	2,250	332	310	2,220	1,390	184
16	1,500	308	484	679	240	615	2,060	297	341	2,540	1,150	160
17	1,390	299	449	627	236	967	1,840	268	350	2,610	969	141
18	1,280	290	422	566	228	1,440	1,610	290	302	2,600	787	126
19	1,170	280	398	514	220	1,580	1,400	268	237	2,520	640	116
20	1,080	271	377	474	210	1,510	1,220	232	190	2,150	532	106
21	997	265	356	443	202	1,360	1,050	212	171	1,780	450	98
22	929	259	340	418	195	1,200	904	207	168	1,460	385	96
23	867	252	339	396	191	1,110	785	202	153	1,220	336	103
24	807	249	409	377	192	1,100	691	187	125	1,030	330	113
25	754	224	475	356	203	1,090	611	170	109	885	400	113
26	706	655	714	339	240	1,350	544	152	108	774	381	102
27	662	616	1,080	326	323	2,060	496	136	120	662	459	93
28	629	723	1,190	313	1,360	2,800	459	123	129	562	578	85
29	647	844	1,130	301	---	3,050	421	111	161	493	579	79
30	640	805	1,030	327	---	2,880	387	101	596	480	557	74
31	612	---	925	398	---	2,610	---	96	---	489	557	---
TOTAL	75,190	12,758	18,712	15,274	9,125	47,494	68,588	11,712	5,197	57,135	40,810	7,427
MEAN	2,425	425	604	493	326	1,532	2,286	378	173	1,843	1,316	248
MAX	8,710	844	1,190	840	1,360	3,050	5,130	901	596	3,600	3,260	576
MIN	612	249	339	301	191	615	387	96	74	480	330	74
MED	1,500	365	524	447	269	1,350	2,150	297	127	1,930	969	172
CFSM	3.46	0.61	0.86	0.70	0.47	2.19	3.27	0.54	0.25	2.63	1.88	0.35
IN.	4.00	0.68	0.99	0.81	0.48	2.52	3.64	0.62	0.28	3.04	2.17	0.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2005, BY WATER YEAR (WY)

	806	268	370	597	838	993	746	304	347	591	905	1,047
MEAN	806	268	370	597	838	993	746	304	347	591	905	1,047
MAX	6,240	4,155	2,470	2,404	5,940	5,119	6,564	3,303	2,642	2,183	3,296	6,569
(WY)	(1948)	(1948)	(1948)	(1942)	(1998)	(2003)	(1973)	(1964)	(1957)	(1928)	(1945)	(2004)
MIN	22.7	15.9	18.0	21.7	20.2	44.7	25.7	20.4	18.8	31.3	24.9	21.4
(WY)	(1932)	(1932)	(1932)	(1932)	(1934)	(1932)	(1935)	(1932)	(1935)	(1954)	(1954)	(1990)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1927 - 2005

ANNUAL TOTAL	371,196		369,422									
ANNUAL MEAN	1,014		1,012							650		
HIGHEST ANNUAL MEAN										2,285		1948
LOWEST ANNUAL MEAN										90.1		1955
HIGHEST DAILY MEAN	18,800						8,710		Oct 1	27,600		Sep 25, 1947
LOWEST DAILY MEAN	16						74		Jun 9, Sep 30	9.6		Jun 17, 2002
ANNUAL SEVEN-DAY MINIMUM	16						86		Jun 5	11		Jun 13, 2002
MAXIMUM PEAK FLOW							5,300		Apr 3	28,100		Sep 25, 1947
MAXIMUM PEAK STAGE							15.21		Apr 3	23.25		Sep 13, 1964
INSTANTANEOUS LOW FLOW							71		Sep 30	9.5		Jun 17, 18 2002
ANNUAL RUNOFF (CFSM)	1.45						1.45			0.929		
ANNUAL RUNOFF (INCHES)	19.73						19.63			12.62		
10 PERCENT EXCEEDS	1,840						2,600			1,610		
50 PERCENT EXCEEDS	280						544			220		
90 PERCENT EXCEEDS	32						148			37		

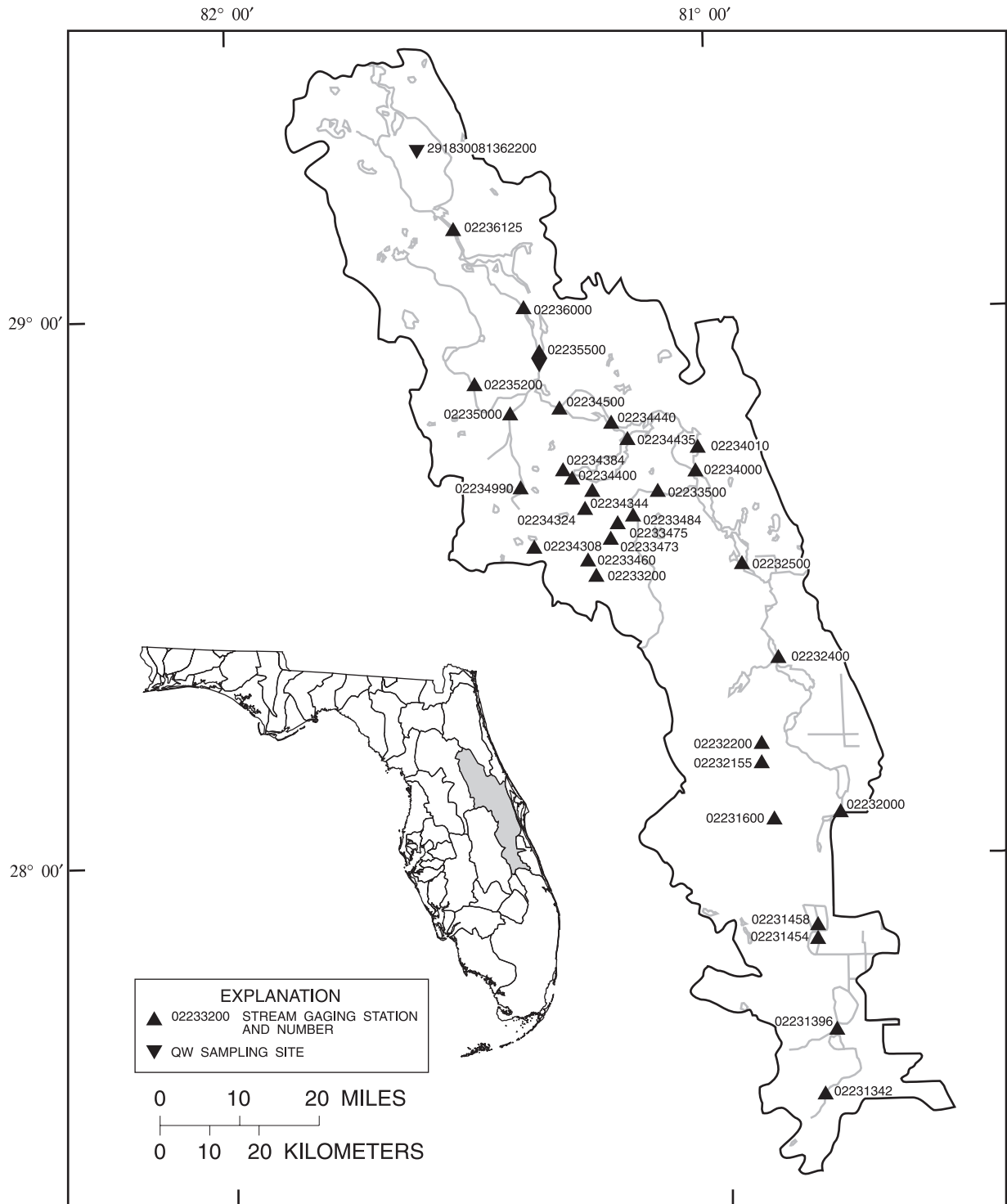


Figure 4.--Location of stream gaging stations in the St. Johns River basin above the Ocklawaha River.

0221342 FORT DRUM CREEK AT SUNSHINE STATE PARKWAY, NEAR FORT DRUM, FL

LOCATION.--Lat 27° 34'06", long 80° 47'47", in NE $\frac{1}{4}$ sec.35, T. 33 S., R.35 E., Okeechobee County, Hydrologic Unit 03080101, near center of downstream side of southbound bridge on Sunshine State Parkway, 2.7 mi southeast of the Fort Drum Service Plaza, and 3.0 mi north of Fort Drum.

DRAINAGE AREA.--52.6 mi².

PERIOD OF RECORD.--July 1969 to July 1970 (discharge measurements only), June 1977 to current year.

REVISED RECORDS.--WDR FL-79-1: 1978 (M).

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (levels by Brevard Engineering Co.).

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	441	8.8	4.5	17	9.9	22	24	14	207	842	15	29
2	335	8.0	4.2	15	9.1	16	26	21	579	865	18	21
3	265	7.3	4.0	13	9.5	12	28	22	657	715	16	19
4	216	6.7	3.7	13	9.6	19	25	51	666	615	13	17
5	177	6.1	3.5	12	9.0	20	22	117	657	517	11	18
6	150	6.2	3.4	11	8.4	17	19	171	736	387	10	23
7	129	5.7	3.6	10	7.1	13	16	142	662	293	8.2	23
8	114	5.3	3.6	12	6.1	11	16	100	488	230	7.4	21
9	95	5.4	3.6	14	5.5	13	15	71	341	191	6.3	19
10	81	7.6	3.8	13	5.1	24	13	50	254	184	5.5	16
11	72	7.4	4.4	12	4.6	26	11	35	205	169	5.8	13
12	66	6.9	4.1	11	4.3	25	9.5	25	167	156	4.6	9.9
13	59	6.5	3.7	10	4.0	21	8.6	20	134	141	3.7	8.0
14	52	7.5	3.6	21	3.7	17	7.5	17	103	116	6.7	6.2
15	46	8.0	3.2	44	3.6	15	6.5	14	82	100	4.4	5.0
16	40	7.4	3.0	45	3.5	13	5.8	12	67	92	7.1	4.3
17	35	6.9	3.4	41	3.4	30	5.0	10	64	77	5.9	3.7
18	29	6.5	7.7	34	3.2	80	4.6	8.6	63	63	3.9	3.2
19	25	6.3	8.0	29	2.9	104	4.1	7.4	62	51	2.6	2.9
20	25	5.9	6.9	24	2.8	93	3.8	6.3	86	41	1.9	3.2
21	34	5.4	6.1	21	2.6	72	3.5	5.0	196	34	1.4	5.9
22	32	5.2	5.4	19	2.5	66	2.9	3.8	208	29	1.1	8.4
23	28	5.2	4.9	18	2.9	73	2.5	2.9	190	24	9.5	11
24	25	5.2	7.5	15	3.4	72	4.9	2.3	192	21	9.2	10
25	22	6.0	15	13	3.5	66	3.7	10	179	21	1.2	8.8
26	19	6.3	35	13	4.2	65	2.8	38	153	18	2.1	8.4
27	16	6.0	36	12	13	57	15	42	124	16	2.6	9.0
28	14	5.8	32	12	24	50	19	38	110	13	2.8	8.6
29	13	5.2	27	12	---	43	16	27	359	12	3.2	1.8
30	12	4.9	22	12	---	35	11	18	572	15	2.6	2.0
31	10	---	19	11	---	29	---	30	---	17	2.4	---
TOTAL	2,677	191.6	295.8	559	171.4	1,219	351.7	1,131.3	8,563	6,065	601.9	373.5
MEAN	86.4	6.39	9.54	18.0	6.12	39.3	11.7	36.5	285	196	19.4	12.4
MAX	441	8.8	36	45	24	104	28	171	736	865	71	29
MIN	10	4.9	3.0	10	2.5	11	2.5	2.3	62	12	3.7	2.9
CFSM	1.64	0.12	0.18	0.34	0.12	0.75	0.22	0.69	5.43	3.72	0.37	0.24
IN.	1.89	0.14	0.21	0.40	0.12	0.86	0.25	0.80	6.06	4.29	0.43	0.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

MEAN	77.4	33.6	21.8	27.3	28.9	39.2	15.0	11.9	46.4	76.8	83.4	118
MAX	384	276	79.0	125	166	229	80.3	134	285	242	222	467
(WY)	(2000)	(1988)	(1998)	(1979)	(1983)	(1998)	(1993)	(1979)	(2005)	(2002)	(1995)	(1979)
MIN	0.02	0.42	0.03	0.72	0.18	0.26	0.01	0.00	0.00	0.10	2.69	1.83
(WY)	(1989)	(1981)	(1982)	(2001)	(2001)	(1999)	(1999)	(1981)	(1981)	(1981)	(1980)	(1980)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1977 - 2005
ANNUAL TOTAL	24,599.17	22,200.2	
ANNUAL MEAN	67.2	60.8	48.8
HIGHEST ANNUAL MEAN			95.3
LOWEST ANNUAL MEAN			6.14
HIGHEST DAILY MEAN	1,400	865	1,400
LOWEST DAILY MEAN	0.00	2.3	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	2.9	0.00
MAXIMUM PEAK FLOW		905	1,470
MAXIMUM PEAK STAGE		37.94	39.09
INSTANTANEOUS LOW FLOW		1.7	
ANNUAL RUNOFF (CFSM)	1.28	1.16	0.928
ANNUAL RUNOFF (INCHES)	17.40	15.70	12.61
10 PERCENT EXCEEDS	166	160	128
50 PERCENT EXCEEDS	15	16	15
90 PERCENT EXCEEDS	1.1	3.8	0.11

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02231396 BLUE CYPRESS CREEK NEAR FELLSMERE, FL

LOCATION.--Lat 27° 43'40", long 80° 48'19", in NW¹/₄ sec.2, T. 32 S., R.35 E., Indian River County, Hydrologic Unit 03080101, on private road 2 mi upstream from Blue Cypress Lake, and 12.8 mi west of Fellsmere.

DRAINAGE AREA.--105 mi².

PERIOD OF RECORD.--Water years 1969-70, 1985-90 (low flow measurements only), December 1995 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (St. Johns River Water Management District bench mark). Prior to Oct. 1, 1999, at present site at datum 6.47 ft lower.

REMARKS.--Records fair except for period of estimated daily discharge, which is poor. A maximum discharge, 1,720 ft³/s, and stage, 29.16 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 27, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,530	67	9.5	41	15	82	e85	56	100	942	58	317
2	1,190	62	8.9	37	14	85	e72	48	174	1,000	59	337
3	989	57	8.3	34	13	67	e62	42	293	732	39	283
4	808	49	8.0	31	13	77	e53	44	365	560	29	253
5	678	45	7.4	27	12	82	e44	64	449	448	22	228
6	583	41	6.7	25	11	81	e38	114	538	370	17	213
7	497	38	6.5	23	10	71	e32	186	501	299	20	192
8	440	35	6.3	21	9.2	63	e28	229	414	242	50	197
9	387	32	6.2	19	8.8	60	41	232	347	203	92	194
10	331	35	6.1	17	8.4	66	98	210	285	186	135	177
11	301	32	6.1	16	8.1	62	161	176	245	185	146	158
12	268	32	6.1	14	7.5	64	145	142	213	184	149	132
13	240	30	6.0	13	6.5	63	120	114	186	173	143	107
14	210	28	5.5	15	6.2	62	94	86	165	157	144	84
15	190	27	5.0	23	6.0	58	77	71	146	140	174	70
16	174	24	4.6	30	5.8	49	62	56	120	120	396	58
17	160	21	4.5	31	5.7	73	50	44	110	107	452	46
18	147	20	6.2	30	5.4	102	42	35	107	97	406	40
19	138	18	8.3	28	5.1	141	34	27	120	91	364	35
20	131	17	8.8	35	4.7	186	26	21	127	81	326	42
21	127	17	7.5	43	4.4	198	22	16	143	70	281	59
22	123	16	6.4	37	4.2	198	18	13	239	57	243	63
23	119	15	6.0	29	4.1	205	16	10	483	45	206	87
24	110	14	5.9	24	4.5	220	25	8.3	617	40	173	110
25	105	13	15	21	6.2	215	23	7.0	593	40	163	115
26	100	12	48	19	7.6	205	25	8.4	577	32	205	113
27	94	12	64	18	23	e190	41	10	511	42	225	109
28	91	11	71	18	58	e160	42	13	441	86	277	104
29	81	11	68	19	---	e135	44	14	421	85	293	156
30	74	10	58	19	---	e115	51	13	608	69	284	277
31	70	---	47	17	---	e100	---	28	---	53	280	---
TOTAL	10,486	841	531.8	774	287.4	3,535	1,671	2,137.7	9,638	6,936	5,851	4,356
MEAN	338	28.0	17.2	25.0	10.3	114	55.7	69.0	321	224	189	145
MAX	1,530	67	71	43	58	220	161	232	617	1,000	452	337
MIN	70	10	4.5	13	4.1	49	16	7.0	100	32	17	35
CFSM	3.22	0.27	0.16	0.24	0.10	1.09	0.53	0.66	3.06	2.13	1.80	1.38
IN.	3.72	0.30	0.19	0.27	0.10	1.25	0.59	0.76	3.41	2.46	2.07	1.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

MEAN	197	132	87.2	79.5	85.1	79.5	23.0	10.4	89.3	143	220	247
MAX	821	760	435	519	711	553	91.5	69.0	321	669	487	707
(WY)	(2000)	(1998)	(1998)	(1998)	(1998)	(1998)	(1996)	(2005)	(2005)	(2002)	(2003)	(2004)
MIN	10.9	0.36	0.24	1.02	0.55	0.02	0.13	0.00	0.00	3.23	19.6	38.2
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(1999)	(2002)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005	
ANNUAL TOTAL	42,476.53		47,044.9			
ANNUAL MEAN	116		129		115	
HIGHEST ANNUAL MEAN					282	
LOWEST ANNUAL MEAN					64.8	
HIGHEST DAILY MEAN	3,040		1,530		3,260	
LOWEST DAILY MEAN	0.00		4.1		0.00	
ANNUAL SEVEN-DAY MINIMUM	0.00		4.6		0.00	
MAXIMUM PEAK FLOW			1,100		3,430	
MAXIMUM PEAK STAGE			28.57		29.63	
INSTANTANEOUS LOW FLOW			4.1		1.10	
ANNUAL RUNOFF (CFSM)	1.11		1.23		14.94	
ANNUAL RUNOFF (INCHES)	15.05		16.67		306	
10 PERCENT EXCEEDS	239		321		23	
50 PERCENT EXCEEDS	21		62		0.36	
90 PERCENT EXCEEDS	0.85		8.2			

e Estimated

02231454 SIXMILE CREEK NEAR KENANSVILLE, FL

LOCATION.--Lat 27° 52'00", long 80° 48'18", in SE¹/₄ sec.15, T. 30 S., R.35 E., Brevard County, Hydrologic Unit 03080101, on left bank of levee at west edge of St. Johns Marsh, 11.6 mi east of Kenansville, 15 mi south of U.S. Highway 192, and 19 mi west of Sebastian.

DRAINAGE AREA.--11.6 mi².

PERIOD OF RECORD.--February 1995 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929.

REMARKS.--Records poor. Maximum discharge, 189 ft³/s, and stage, 23.00 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 27, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	177	4.7	0.56	2.3	1.2	12	7.8	4.4	e78	80	0.77	27
2	160	3.9	0.50	2.2	1.2	7.6	6.4	4.3	128	77	1.2	39
3	148	3.4	0.50	2.0	1.2	4.5	5.7	4.1	111	68	0.97	30
4	139	3.0	0.47	1.9	1.2	4.2	4.9	6.7	98	62	0.33	20
5	129	2.8	0.43	1.8	1.1	4.0	4.0	16	93	58	e0.25	12
6	122	2.7	0.44	1.7	1.0	3.4	3.4	38	108	54	e1.4	18
7	117	2.4	0.46	1.6	0.97	2.7	7.9	42	84	51	e0.90	19
8	111	2.2	0.49	1.4	0.85	2.1	84	33	70	48	0.71	22
9	105	2.1	0.47	1.3	0.78	2.2	85	22	64	45	0.47	24
10	98	2.4	0.57	1.2	0.77	4.7	53	17	62	47	0.39	20
11	94	2.2	0.83	1.2	0.70	5.6	33	13	61	44	0.32	14
12	92	1.9	0.65	1.2	0.63	4.7	20	11	59	43	0.28	9.3
13	87	1.7	0.52	1.1	0.59	3.5	14	9.8	56	41	0.17	6.1
14	82	1.6	0.49	1.9	0.59	2.7	10	8.0	52	39	0.31	3.9
15	76	1.4	0.42	3.1	0.54	2.3	7.9	6.4	51	37	1.7	2.6
16	71	1.2	0.37	3.4	0.54	2.1	6.3	6.3	61	35	6.8	1.8
17	66	1.0	0.40	2.9	0.52	5.9	5.3	6.4	55	32	3.8	1.4
18	62	0.91	0.70	2.4	0.50	22	4.6	5.9	47	29	1.9	1.0
19	58	0.86	0.72	2.1	0.53	28	4.0	5.3	43	25	1.1	0.73
20	54	0.84	0.66	1.8	0.50	18	3.7	4.8	56	21	0.74	1.0
21	50	0.78	0.54	1.7	0.47	11	3.5	4.6	72	17	0.61	2.0
22	45	0.76	0.52	1.6	0.45	12	3.3	4.4	66	13	0.36	4.7
23	38	0.76	0.51	1.5	0.50	13	3.0	4.2	82	8.8	0.49	7.9
24	31	0.73	0.53	1.5	0.56	13	3.2	4.1	129	5.6	0.46	10
25	26	0.66	2.2	1.4	0.59	11	3.3	4.1	135	3.7	0.77	8.6
26	21	0.68	7.5	1.3	0.75	14	3.3	4.5	108	2.2	1.8	5.7
27	16	0.62	7.3	1.3	2.9	17	5.3	4.4	88	1.2	1.7	3.3
28	12	0.61	4.3	1.4	11	18	6.6	4.5	77	0.55	1.6	2.2
29	10	0.60	3.1	1.4	---	15	6.3	4.4	78	0.24	2.8	11
30	8.1	0.62	2.7	1.3	---	12	4.9	4.5	77	0.14	6.3	23
31	6.2	---	2.6	1.2	---	9.5	---	e28	---	0.05	13	---
TOTAL	2,311.3	50.03	42.45	54.1	33.13	287.7	413.6	336.1	2,349	988.48	54.40	351.23
MEAN	74.6	1.67	1.37	1.75	1.18	9.28	13.8	10.8	78.3	31.9	1.75	11.7
MAX	177	4.7	7.5	3.4	11	28	85	42	135	80	13	39
MIN	6.2	0.60	0.37	1.1	0.45	2.1	3.0	4.1	43	0.05	0.17	0.73
CFSM	6.43	0.14	0.12	0.15	0.10	0.80	1.19	0.93	6.75	2.75	0.15	1.01
IN.	7.41	0.16	0.14	0.17	0.11	0.92	1.33	1.08	7.53	3.17	0.17	1.13

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)

MEAN	23.1	9.28	5.67	4.76	3.76	3.74	3.37	1.17	12.7	8.84	13.8	26.8
MAX	74.6	70.1	31.4	30.4	22.5	16.7	13.8	10.8	78.3	31.9	42.4	112
(WY)	(2005)	(1998)	(1998)	(1998)	(1998)	(1998)	(2005)	(2005)	(2005)	(2005)	(2001)	(2004)
MIN	0.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.26	0.00
(WY)	(1998)	(1997)	(1997)	(1997)	(1997)	(1997)	(1997)	(1999)	(2000)	(1997)	(1997)	(1996)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1995 - 2005

ANNUAL TOTAL	7,485.54	7,271.52	
ANNUAL MEAN	20.5	19.9	9.37
HIGHEST ANNUAL MEAN			19.9
LOWEST ANNUAL MEAN			0.18
HIGHEST DAILY MEAN	e356	Sep 27	177
LOWEST DAILY MEAN	0.00	Many days	0.05
ANNUAL SEVEN-DAY MINIMUM	0.00	Apr 19	0.38
MAXIMUM PEAK FLOW			144
MAXIMUM PEAK STAGE			22.43
ANNUAL RUNOFF (CFSM)	1.76		1.72
ANNUAL RUNOFF (INCHES)	24.01		23.32
10 PERCENT EXCEEDS	76		70
50 PERCENT EXCEEDS	1.3		4.2
90 PERCENT EXCEEDS	0.00		0.53

e Estimated

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02231458 WOLF CREEK NEAR KENANSVILLE, FL

LOCATION.--Lat 27° 53'39", long 80° 49'17", in NE 1/4 sec.9, T. 30 S., R.35 E., Brevard County, Hydrologic Unit 03080101, on right bank at west edge of St. Johns Marsh, 10.7 mi east of Kenansville, 13 mi south of U.S. Highway 192, and 21 mi west of Sebastian.

DRAINAGE AREA.-- 8.6 mi².

PERIOD OF RECORD.--February 1995 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929.

REMARKS.--Records poor. A maximum discharge, 310 ft³/s and stage, 21.84 ft, occurred on Oct. 1, stage falling, peak occurred Sept. 27, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	303	34	0.00	e2.1	0.00	2.8	22	0.61	48	101	0.67	0.07
2	289	29	0.00	e2.0	0.00	1.9	20	0.63	67	99	0.59	0.16
3	277	24	0.00	e1.9	0.00	1.2	18	0.63	73	96	0.43	0.00
4	264	20	0.00	e1.8	0.00	0.97	15	1.1	85	93	0.01	0.00
5	253	17	0.00	1.5	0.00	0.57	12	3.0	92	90	0.06	0.00
6	244	14	0.00	1.5	0.00	0.26	10	12	102	87	0.54	0.00
7	235	11	0.00	1.7	0.00	0.02	10	21	110	83	0.91	0.27
8	226	9.0	0.00	1.2	0.00	0.00	23	28	115	79	0.85	0.87
9	218	7.3	0.00	0.33	0.00	0.08	20	32	122	76	0.78	1.3
10	211	6.6	0.00	0.00	0.00	0.76	17	35	126	77	0.49	1.5
11	205	5.5	0.00	0.00	0.00	0.73	14	37	128	73	0.26	1.4
12	199	4.5	0.00	0.00	0.00	0.26	12	38	127	70	0.04	1.1
13	191	3.5	0.00	0.00	0.00	0.00	11	38	125	66	0.00	0.63
14	183	2.8	0.00	0.00	0.00	0.00	9.2	36	121	63	0.00	0.13
15	175	2.1	0.00	0.00	0.00	0.04	8.0	32	120	59	0.06	0.00
16	168	1.5	0.00	0.00	0.00	1.0	7.1	28	127	56	0.23	0.00
17	161	0.92	0.00	0.07	0.00	3.5	6.1	22	118	52	0.22	0.00
18	154	e0.46	0.00	0.17	0.00	6.3	4.8	17	112	48	0.13	0.00
19	146	e0.30	0.00	0.10	0.00	6.5	3.0	12	108	44	0.00	0.00
20	138	e0.10	0.00	0.05	0.00	5.7	2.3	8.7	104	40	0.00	0.00
21	131	e0.05	0.00	0.00	0.00	6.0	1.5	7.0	100	35	0.00	0.00
22	121	e0.00	0.00	0.00	0.00	8.0	0.99	6.3	96	30	0.00	0.00
23	111	e0.00	e0.00	0.00	0.00	9.8	0.61	5.4	99	24	0.00	0.00
24	99	e0.00	e0.00	0.00	0.00	11	0.52	4.9	105	20	0.00	0.00
25	89	e0.50	e0.28	0.00	0.00	13	0.33	5.2	107	15	0.00	0.00
26	79	e0.25	e2.8	0.00	0.00	17	0.15	5.8	107	11	0.00	0.00
27	70	e0.00	e2.5	0.00	0.60	20	1.2	5.9	108	8.1	0.00	0.00
28	61	e0.00	e2.3	0.00	3.0	23	1.3	6.3	108	5.5	0.00	0.00
29	54	0.00	e2.3	0.00	---	24	0.99	6.6	107	3.5	0.00	0.00
30	47	0.00	e2.2	0.00	---	24	0.74	6.8	103	2.3	0.00	0.00
31	41	---	e2.1	0.00	---	23	---	17	---	1.3	0.00	---
TOTAL	5,143	194.38	14.48	14.42	3.60	211.39	252.83	479.87	3,170	1,607.7	6.27	7.43
MEAN	166	6.48	0.47	0.47	0.13	6.82	8.43	15.5	106	51.9	0.20	0.25
MAX	303	34	2.8	2.1	3.0	24	23	38	128	101	0.91	1.5
MIN	41	0.00	0.00	0.00	0.00	0.00	0.15	0.61	48	1.3	0.00	0.00
CFSM	19.3	0.75	0.05	0.05	0.01	0.79	0.98	1.80	12.3	6.03	0.02	0.03
IN.	22.25	0.84	0.06	0.06	0.02	0.91	1.09	2.08	13.71	6.95	0.03	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2005, BY WATER YEAR (WY)

MEAN	38.4	12.4	14.4	7.33	4.12	5.68	6.66	2.61	20.1	15.7	26.3	36.4
MAX	166	56.9	106	48.1	26.3	21.4	30.9	15.5	106	51.9	146	254
(WY)	(2005)	(1998)	(1998)	(1998)	(1998)	(1998)	(1995)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	1.26	0.59	0.47	0.47	0.13	0.36	0.37	0.29	0.23	0.12	0.20	0.25
(WY)	(2004)	(2001)	(2005)	(2005)	(2005)	(1997)	(2004)	(2004)	(1998)	(2003)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1995 - 2005

ANNUAL TOTAL	18,233.93	11,105.37	
ANNUAL MEAN	49.8	30.4	15.2
HIGHEST ANNUAL MEAN			35.7
LOWEST ANNUAL MEAN			2.40
HIGHEST DAILY MEAN	358	Sep 27	358
LOWEST DAILY MEAN	0.00	Many days	*0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Nov 27	*0.00
MAXIMUM PEAK FLOW		130	366
MAXIMUM PEAK STAGE		20.59	22.37
ANNUAL RUNOFF (CFSM)	5.79	3.54	1.77
ANNUAL RUNOFF (INCHES)	78.87	48.04	24.04
10 PERCENT EXCEEDS	207	108	37
50 PERCENT EXCEEDS	1.5	1.5	2.1
90 PERCENT EXCEEDS	0.10	0.00	0.32

e Estimated

* Many days in 1995, 1998, 2003, 2005 water years

02231600 JANE GREEN CREEK NEAR DEER PARK, FL

LOCATION.--Lat 28° 04'27", long 80° 53'18", in SE $\frac{1}{4}$ sec. 2, T.28 S., R.34 E., Osceola County, Hydrologic Unit 03080101, near right bank on upstream side of bridge on county road, 1.2 mi southeast of Deer Park, 2 mi downstream from confluence of Crabgrass and Bull Creeks, and 5.8 mi upstream from mouth.

DRAINAGE AREA.--248 mi²

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 18.55 ft above NGVD of 1929.

REMARKS.--Records fair except for period of estimated daily discharge, which is poor. Since April 1990, flow regulated to some extent by flood control lift gates (S161A), approximately 1.5 mi upstream from the gage.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	285	104	16	84	98	105	460	30	61	1,690	94	160
2	148	94	16	91	93	191	436	29	64	1,730	121	174
3	117	85	15	94	90	327	402	27	59	1,730	130	177
4	276	79	15	94	86	422	354	27	73	1,710	123	186
5	1,060	75	15	92	81	463	320	29	131	1,590	125	187
6	1,450	72	15	90	77	441	285	33	308	1,440	128	188
7	2,220	70	14	86	72	400	258	30	544	1,290	140	177
8	2,210	68	14	83	67	352	245	29	726	1,160	147	166
9	2,110	65	13	79	63	334	218	32	825	1,030	164	153
10	2,010	64	14	75	58	336	194	40	850	938	189	138
11	1,910	60	14	71	52	349	172	46	850	815	220	124
12	1,790	58	13	67	47	324	153	50	831	707	241	111
13	2,350	54	12	62	42	291	139	51	784	660	245	103
14	3,010	51	12	79	38	263	123	49	726	e600	262	89
15	2,380	48	11	92	35	244	108	48	672	e540	359	79
16	1,830	46	11	89	31	229	94	50	644	e496	469	68
17	1,390	43	11	90	28	260	84	52	599	e440	531	60
18	1,050	39	12	104	26	312	74	53	554	e398	537	53
19	803	34	11	125	23	357	66	52	515	e355	510	46
20	620	31	10	144	22	450	60	50	493	e310	469	43
21	489	28	10	158	21	522	56	48	475	e280	423	46
22	393	25	10	163	19	555	52	46	477	245	368	48
23	327	23	9.9	162	21	555	47	44	542	216	320	43
24	271	22	9.9	155	23	533	45	42	621	187	271	40
25	230	21	16	149	23	518	42	42	808	165	237	37
26	202	20	28	142	22	528	40	43	1,030	142	216	34
27	178	19	31	135	44	520	48	40	1,150	123	190	32
28	160	18	35	128	95	520	44	37	1,230	109	170	32
29	144	17	46	122	---	520	38	34	1,360	97	156	34
30	131	17	62	114	---	511	33	31	1,550	88	150	32
31	116	---	76	106	---	491	---	38	---	84	153	---
TOTAL	31,660	1,450	597.8	3,325	1,397	12,223	4,690	1,252	19,552	21,365	7,858	2,860
MEAN	1,021	48.3	19.3	107	49.9	394	156	40.4	652	689	253	95.3
MAX	3,010	104	76	163	98	555	460	53	1,550	1,730	537	188
MIN	116	17	9.9	62	19	105	33	27	59	84	94	32
CFSM	4.12	0.19	0.08	0.43	0.20	1.59	0.63	0.16	2.63	2.78	1.02	0.38
IN.	4.75	0.22	0.09	0.50	0.21	1.83	0.70	0.19	2.93	3.20	1.18	0.43

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	447	160	98.1	116	141	201	81.4	25.2	185	273	346	486
MAX	2,930	1,353	820	970	1,148	1,729	536	268	1,857	1,483	1,432	2,324
(WY)	(1957)	(1995)	(1998)	(1958)	(1966)	(1960)	(1973)	(1957)	(1968)	(1974)	(1964)	(1979)
MIN	0.79	0.00	1.03	0.45	0.68	0.05	0.00	0.00	0.00	0.00	0.16	17.7
(WY)	(1981)	(1981)	(1994)	(2001)	(2001)	(2001)	(1956)	(1956)	(1956)	(1977)	(2000)	(1996)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1954 - 2005
ANNUAL TOTAL	94,791.27	108,229.8	
ANNUAL MEAN	259	297	214
HIGHEST ANNUAL MEAN			726
LOWEST ANNUAL MEAN			39.0
HIGHEST DAILY MEAN	5,290	Sep 28	17,000
LOWEST DAILY MEAN	0.00	May 29-31, Jun 2	0.00
ANNUAL SEVEN-DAY MINIMUM	0.01	May 28	0.00
MAXIMUM PEAK FLOW		3,220	18,400
MAXIMUM PEAK STAGE		8.62	10.95
INSTANTANEOUS LOW FLOW		9.8	Dec 22-25
ANNUAL RUNOFF (CFSM)	1.04	1.20	0.862
ANNUAL RUNOFF (INCHES)	14.22	16.23	11.71
10 PERCENT EXCEEDS	609	792	595
50 PERCENT EXCEEDS	44	109	41
90 PERCENT EXCEEDS	4.5	22	0.06

e Estimated

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02232000 ST. JOHNS RIVER NEAR MELBOURNE, FL

LOCATION.--Lat 28° 05'04", long 80° 45'08", in NW¹/₄ sec.5, T.28 S., R.36 E., Brevard County, Hydrologic Unit 03080101, near center of span on upstream side of bridge on U.S. Highway 192, 1.1 mi downstream from Sawgrass Lake, 1.7 mi upstream from Lake Washington, 9.2 mi west of Melbourne, and 262 mi upstream from mouth.

DRAINAGE AREA.--968 mi².

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 1939, published in WSP 1304.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is 11.22 ft above NGVD of 1929. Prior to July 26, 1940, nonrecording gage, and July 26, 1940 to Jan. 11, 1973, water-stage recorder at site 200 ft upstream at same datum. Oct. 1, 1969 to Oct. 5, 1972, and Oct. 1, 1982 to Sept. 30, 1983, water-stage recorder for Lake Washington near Eau Gallie (station 02232100) used as auxiliary gage for this station.

REMARKS.--Records fair. A maximum stage, 8.34 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 30, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,580	2,530	481	438	304	617	1,190	370	412	3,970	1,160	756
2	7,000	2,350	452	437	296	576	1,210	352	528	4,160	1,120	801
3	6,490	2,120	424	448	279	515	1,160	352	571	4,230	1,100	801
4	6,020	2,050	409	453	189	550	1,150	312	632	4,190	1,040	784
5	5,780	1,840	404	475	266	564	1,150	350	701	4,200	1,000	785
6	5,800	1,710	399	476	306	550	1,120	339	725	4,240	948	802
7	5,950	1,660	365	469	274	614	1,140	394	795	4,140	894	909
8	6,330	1,530	356	464	235	619	1,100	420	857	4,070	1,000	896
9	6,520	1,370	368	456	252	546	1,040	422	926	3,970	1,030	926
10	6,460	1,340	342	431	203	659	985	430	1,190	4,100	1,020	914
11	6,430	1,340	321	428	189	705	1,000	469	1,470	4,020	1,000	922
12	6,390	1,300	300	412	181	658	985	432	1,640	3,730	1,010	912
13	6,160	1,180	291	367	195	656	961	456	1,770	3,670	1,010	910
14	6,180	1,020	245	370	171	633	827	509	1,860	3,500	1,050	865
15	6,520	1,080	225	442	164	594	808	515	2,040	3,380	1,110	830
16	6,340	1,080	315	449	173	632	773	522	2,190	3,250	1,110	789
17	6,150	980	290	469	162	682	761	507	2,250	3,120	1,070	739
18	5,940	930	293	443	131	731	758	496	2,300	2,990	1,080	705
19	5,610	910	270	494	152	797	734	485	2,290	2,860	1,050	622
20	5,280	799	232	482	142	809	668	462	2,290	2,700	1,050	627
21	4,910	757	261	409	131	813	621	393	2,300	2,610	1,020	607
22	4,580	678	243	449	130	904	577	406	2,310	2,480	1,020	677
23	4,430	649	236	358	169	952	550	373	2,500	2,390	982	691
24	4,270	666	204	425	164	969	465	346	2,740	2,240	990	680
25	3,950	613	269	429	132	1,050	446	294	2,930	2,070	942	636
26	3,750	539	416	416	172	1,140	418	343	2,980	1,960	1,030	600
27	3,500	586	395	340	274	1,200	460	321	3,120	1,840	1,000	526
28	3,280	518	453	330	522	1,210	429	318	3,300	1,660	866	514
29	3,100	518	437	402	---	1,150	433	271	3,550	1,550	854	520
30	2,950	507	422	356	---	1,140	410	272	3,820	1,420	806	505
31	2,690	---	438	297	---	1,200	---	311	---	1,260	766	---
TOTAL	166,340	35,150	10,556	13,114	5,958	24,435	24,329	12,242	56,987	95,970	31,128	22,251
MEAN	5,366	1,172	341	423	213	788	811	395	1,900	3,096	1,004	742
MAX	7,580	2,530	481	494	522	1,210	1,210	522	3,820	4,240	1,160	926
MIN	2,690	507	204	297	130	515	410	271	412	1,260	766	505

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	1,680	959	551	418	408	463	355	164	341	688	925	1,345
MAX	6,377	3,062	2,753	2,338	2,782	2,608	2,161	852	3,073	3,459	2,697	5,424
(WY)	(1954)	(1995)	(1988)	(1998)	(1998)	(1960)	(1998)	(1993)	(1968)	(2002)	(2002)	(1953)
MIN	87.7	31.7	21.9	9.44	4.68	1.03	0.00	-23.5	-32.7	10.9	15.8	75.0
(WY)	(1962)	(1962)	(1962)	(1962)	(1962)	(1962)	(1956)	(2000)	(1984)	(1981)	(1981)	(1950)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	415,437		498,460			
ANNUAL MEAN	1,135		1,366		693	
HIGHEST ANNUAL MEAN					1,756	
LOWEST ANNUAL MEAN					93.9	
HIGHEST DAILY MEAN	8,070	Sep 29	7,580	Oct 1	18,000	Oct 18, 1956
LOWEST DAILY MEAN	e16	Jul 6	130	Feb 22	-118	May 23, 1984
ANNUAL SEVEN-DAY MINIMUM	45	Jun 2	145	Feb 17	-78	Jun 18, 1984
MAXIMUM PEAK STAGE			6.56	Jul 10	9.66	Sep 30, 1960
10 PERCENT EXCEEDS	4,600		3,870		1,790	
50 PERCENT EXCEEDS	232		758		309	
90 PERCENT EXCEEDS	69		291		52	

e Estimated

Note.--Negative figures indicate reverse flow

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02232155 PENNYWASH CREEK NEAR DEER PARK, FL

LOCATION.--Lat 28° 10'54", long 80° 53'44", in NW¹/₄ sec.35, T.26 S., R.34 E., Osceola County, Hydrologic Unit 03080101, near center of span on downstream side of bridge on State Highway 419, 0.6 mi upstream from mouth, and 6.2 mi north of Deer Park.

DRAINAGE AREA.--17.2 mi².

PERIOD OF RECORD.--1956, 1965, 1976 (miscellaneous discharge measurements only), August 1994 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Levees were constructed as part of the Jane Green Creek Reservoir and an interconnecting canal was dug joining the watershed areas of Taylor, Pennywash, Cox, and Wolf Creeks.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e95	e2.4	3.0	7.4	4.6	85	22	5.2	13	192	4.0	e4.4
2	e65	e2.3	2.9	6.7	4.4	42	26	4.7	26	306	6.4	e5.3
3	e45	e2.2	2.8	6.1	4.7	27	34	4.5	22	245	6.8	e8.3
4	e32	e2.0	2.6	5.8	4.5	20	27	11	30	139	7.6	e5.8
5	e27	e2.0	2.6	5.4	4.2	15	19	21	38	71	5.3	e3.9
6	e20	e1.9	2.6	5.0	4.0	12	15	95	119	44	4.0	e14
7	e15	e1.8	2.4	4.8	3.8	9.6	12	76	134	29	9.0	e32
8	e12	e1.7	2.4	4.7	3.7	7.9	14	35	55	23	13	e35
9	e10	e1.6	2.4	4.4	3.5	7.9	13	19	37	18	9.9	e43
10	e8.0	e2.8	2.3	4.1	3.3	13	11	12	161	33	8.3	e35
11	e7.0	e3.3	2.6	3.9	3.0	14	9.4	9.1	135	38	7.7	e22
12	e7.5	e3.2	2.4	3.7	2.7	11	8.1	9.6	98	28	7.3	e12
13	e8.0	e3.5	2.1	3.5	2.6	8.3	8.9	11	55	19	15	e6.4
14	e7.7	e3.9	2.1	22	2.6	7.4	9.2	8.6	33	15	44	e3.6
15	e7.3	e4.2	1.9	66	2.4	8.6	7.9	6.7	21	13	194	e2.3
16	e6.0	3.1	1.9	40	2.4	10	6.7	5.5	16	10	142	e1.6
17	e4.9	3.0	2.0	26	2.4	57	5.8	4.6	13	8.9	57	e1.4
18	e3.9	2.9	2.4	19	2.3	241	5.3	4.0	11	7.6	30	e1.2
19	e3.3	2.8	2.5	15	2.1	163	4.9	3.4	8.6	6.5	18	e1.1
20	e3.1	2.7	2.1	12	2.1	78	4.6	3.0	7.8	5.6	12	e2.7
21	e3.9	2.6	1.9	10	2.1	52	4.4	2.7	10	5.0	8.7	e15
22	e5.2	2.5	1.9	9.2	2.1	46	4.0	2.4	41	4.4	6.5	e30
23	e5.9	2.5	2.0	8.7	2.1	42	3.6	2.2	118	3.9	5.5	e24
24	e5.1	2.6	2.3	7.9	2.3	32	3.3	2.0	335	3.7	e5.5	e15
25	e4.2	3.4	9.4	7.0	2.5	34	3.1	1.9	327	4.2	e6.5	e8.8
26	e3.6	3.9	47	6.4	2.6	112	3.0	1.8	314	3.5	e7.7	e5.0
27	e3.2	3.4	33	6.1	16	210	13	1.8	291	3.1	e6.2	e3.6
28	e2.8	3.7	17	5.9	105	131	15	1.8	173	2.8	e4.5	e30
29	e2.7	3.6	12	5.7	---	68	8.8	1.7	203	2.5	e6.8	e200
30	e2.6	3.2	9.9	5.4	---	44	6.4	1.5	253	2.4	e11	e65
31	e2.6	---	8.5	4.9	---	29	---	2.9	---	2.8	e6.7	---
TOTAL	429.5	84.7	192.9	342.7	200.0	1,637.7	328.4	371.6	3,098.4	1,289.9	676.9	637.4
MEAN	13.9	2.82	6.22	11.1	7.14	52.8	10.9	12.0	103	41.6	21.8	21.2
MAX	95	4.2	47	66	105	241	34	95	335	306	194	200
MIN	2.6	1.6	1.9	3.5	2.1	7.4	3.0	1.5	7.8	2.4	4.0	1.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	34.3	13.1	22.1	12.6	13.7	20.0	5.52	2.03	17.4	21.6	36.6	38.8
MAX	126	65.4	86.8	45.1	87.8	64.8	30.8	12.0	103	98.6	148	150
(WY)	(2000)	(1995)	(2003)	(1998)	(1998)	(1996)	(1996)	(2005)	(2005)	(2002)	(2003)	(2004)
MIN	2.63	0.92	0.66	0.94	0.64	0.76	0.36	0.10	0.05	0.73	0.61	3.73
(WY)	(1999)	(2001)	(2001)	(2001)	(2001)	(2000)	(2000)	(2002)	(2000)	(1998)	(2000)	(1997)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1994 - 2005

ANNUAL TOTAL	6,517.54	9,290.1	
ANNUAL MEAN	17.8	25.5	
HIGHEST ANNUAL MEAN			19.5
LOWEST ANNUAL MEAN			35.0
HIGHEST DAILY MEAN	e721	Jun 27	2003
LOWEST DAILY MEAN	0.10	Jun 1, 2	1999
ANNUAL SEVEN-DAY MINIMUM	0.11	May 27	Some years
MAXIMUM PEAK FLOW	375	Jun 24	0.00
MAXIMUM PEAK STAGE	25.04	Jun 24	0.00
10 PERCENT EXCEEDS	31		0.00
50 PERCENT EXCEEDS	2.6		0.00
90 PERCENT EXCEEDS	0.39		0.00

e Estimated

02232200 WOLF CREEK NEAR DEER PARK, FL

LOCATION.--Lat 28° 12'46", long 80° 54'40", in NW¹/₄ sec.22, T.26 S., R.34 E., Osceola County, Hydrologic Unit 03080101, near right bank on upstream side of bridge on State Highway 419, 2.9 mi upstream from mouth, and 8.5 mi north of Deer Park.

DRAINAGE AREA.--25.7 mi².

PERIOD OF RECORD.--January 1956 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 19.35 ft above NGVD of 1929. Prior to July 13, 1967, at site 0.8 mi downstream at same datum.

REMARKS.--Records fair. Since October 1970 flow regulated to some extent following the construction of Jane Green Reservoir; levees were constructed and an interconnecting canal was dug joining the watershed areas of Taylor, Pennywash, Cox, and Wolf Creeks.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	2.4	2.1	7.9	3.8	73	40	4.5	9.5	292	1.9	3.4
2	49	2.3	1.8	7.0	3.5	39	39	3.6	35	330	8.5	4.3
3	38	2.2	1.6	6.2	3.5	26	47	3.2	36	233	13	7.3
4	29	2.0	1.5	5.6	3.5	21	47	5.7	47	148	14	4.8
5	23	2.0	1.2	5.1	3.3	17	36	21	100	102	8.2	2.9
6	21	1.9	1.2	4.7	3.0	13	25	75	436	74	5.1	13
7	18	1.8	1.1	4.3	2.7	9.6	19	64	266	54	4.3	31
8	15	1.7	1.1	4.2	2.6	7.3	22	37	128	40	6.2	34
9	12	1.9	1.2	3.7	2.6	6.8	21	22	99	28	5.4	42
10	9.2	3.2	1.3	3.2	2.4	13	17	15	496	40	3.8	34
11	8.0	4.2	2.8	2.9	2.1	14	12	9.9	389	49	3.5	21
12	8.4	4.1	3.4	2.7	1.8	11	8.8	14	246	42	2.6	11
13	9.0	3.8	2.5	2.6	1.6	8.3	9.7	20	144	30	13	5.4
14	8.7	4.4	2.0	18	1.5	6.4	15	17	93	25	38	2.6
15	7.6	5.7	1.6	58	1.4	6.0	14	11	63	21	123	1.3
16	6.3	5.6	1.3	48	1.4	7.0	11	7.2	45	16	82	0.64
17	5.2	4.7	1.3	31	1.3	47	7.5	4.9	32	11	48	0.35
18	4.2	4.1	1.7	21	1.2	168	5.7	3.4	24	7.4	29	0.18
19	3.6	3.5	1.9	16	0.93	146	4.6	2.3	18	4.9	18	0.09
20	3.4	3.1	1.7	12	0.79	89	3.8	1.6	14	3.4	11	1.7
21	4.2	2.7	1.3	10	0.73	62	3.2	1.0	15	2.4	6.7	14
22	5.5	2.5	1.0	8.7	0.69	50	2.7	0.65	47	1.7	4.3	29
23	6.2	2.3	0.99	8.1	0.72	41	2.3	0.47	154	1.3	2.7	23
24	5.5	2.1	1.1	7.5	1.4	35	1.9	0.34	346	0.96	2.6	14
25	4.7	2.2	8.0	6.5	2.0	31	1.5	0.22	320	0.73	4.5	7.8
26	3.9	2.3	53	5.7	1.9	59	1.3	0.14	408	0.59	6.7	4.0
27	3.2	2.2	41	5.3	21	188	9.0	0.12	232	0.43	5.2	2.6
28	2.8	2.5	21	5.0	119	178	16	0.10	132	0.29	3.5	29
29	2.7	2.7	15	4.9	---	114	11	0.08	179	0.18	5.8	151
30	2.6	2.4	11	4.7	---	80	6.4	0.05	296	0.12	9.7	45
31	2.6	---	9.4	4.2	---	56	---	0.38	---	0.49	5.7	---
TOTAL	389.5	88.5	197.09	334.7	192.36	1,622.4	460.4	345.85	4,849.5	1,559.89	495.9	540.36
MEAN	12.6	2.95	6.36	10.8	6.87	52.3	15.3	11.2	162	50.3	16.0	18.0
MAX	67	5.7	53	58	119	188	47	75	496	330	123	151
MIN	2.6	1.7	0.99	2.6	0.69	6.0	1.3	0.05	9.5	0.12	1.9	0.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2005, BY WATER YEAR (WY)

MEAN	46.6	19.3	18.0	20.1	24.1	30.4	10.6	6.90	33.3	38.6	50.8	66.7
MAX	396	252	156	76.5	152	231	77.7	77.9	303	218	276	376
(WY)	(1957)	(1988)	(1998)	(1964)	(1966)	(1959)	(1984)	(1966)	(1968)	(1974)	(1964)	(1960)
MIN	0.29	0.47	0.71	1.39	0.76	0.15	0.01	0.00	0.00	0.02	0.23	1.40
(WY)	(1981)	(1997)	(1962)	(1985)	(1974)	(1974)	(1974)	(1967)	(2000)	(1981)	(1998)	(1980)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1956 - 2005

ANNUAL TOTAL	11,124.86		11,076.45		30.8	
ANNUAL MEAN	30.4		30.3		77.7	
HIGHEST ANNUAL MEAN					1960	
LOWEST ANNUAL MEAN					1977	
HIGHEST DAILY MEAN	1,600	Sep 27	496	Jun 10	5,850	Oct 16, 1956
LOWEST DAILY MEAN	0.00	Many days	0.05	May 30	0.00	Many days
ANNUAL SEVEN-DAY MINIMUM	0.00	May 18	0.15	May 24	0.00	Many days
MAXIMUM PEAK FLOW			616	Jun 10	7,700	Oct 16, 1956
MAXIMUM PEAK STAGE			7.33	Jun 10	10.39	Sep 26, 2004
10 PERCENT EXCEEDS	57		73		70	
50 PERCENT EXCEEDS	3.0		6.2		5.2	
90 PERCENT EXCEEDS	0.14		1.2		0.18	

02232400 ST. JOHNS RIVER NEAR COCOA, FL

LOCATION.--Lat 28° 22'10", long 80° 52'22", in SE $\frac{1}{4}$ sec.25, T.24 S., R.34 E., Brevard County, Hydrologic Unit 03080101, on upstream side of bridge on State Highway 520, 0.6 mi upstream from Taylor Creek, 0.7 mi downstream from outlet of Lake Pointsett, 8.8 mi west of Cocoa, and 232 mi upstream from mouth.

DRAINAGE AREA.--1,331 mi².

PERIOD OF RECORD.--October 1953 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929. Prior to Oct. 1, 1959, nonrecording gage at site 3.7 mi east on north shore of Lake Pointsett at datum 5.06 ft higher.

REMARKS.--Records fair. Records include inflow from Taylor Creek.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,210	5,850	1,630	985	e860	314	1,630	1,210	752	3,690	2,840	1,780
2	7,120	5,380	1,690	1,040	e820	370	1,430	1,080	767	3,890	2,910	1,660
3	7,220	5,130	1,450	989	777	344	1,450	1,110	714	3,970	2,810	1,640
4	7,070	5,360	1,340	997	722	542	1,450	1,090	752	3,980	2,970	1,740
5	7,410	5,060	1,320	1,080	685	735	1,470	1,190	737	3,880	2,820	1,760
6	7,280	4,800	1,240	1,280	753	781	1,570	1,100	770	3,930	2,610	1,650
7	6,870	4,510	1,350	1,420	679	826	1,520	1,220	844	3,940	2,570	1,710
8	7,090	3,990	1,330	1,180	669	774	1,450	1,240	952	4,120	2,570	1,490
9	6,870	3,700	1,290	1,280	591	898	1,440	1,210	888	4,290	2,620	1,700
10	6,610	4,060	1,200	1,200	618	896	1,500	1,170	964	3,960	2,730	1,650
11	6,760	3,990	1,040	1,180	594	879	1,380	1,130	934	3,780	2,730	1,600
12	7,100	4,040	1,110	1,120	645	892	1,450	1,150	966	3,710	2,730	1,580
13	7,320	3,590	980	1,170	e645	948	1,340	1,120	1,040	3,720	2,630	1,450
14	7,480	3,370	864	1,100	e640	954	1,380	1,070	995	3,740	2,670	1,540
15	7,250	3,360	808	1,140	e630	1,030	1,420	1,070	1,040	3,750	2,550	1,500
16	6,970	3,250	975	1,130	e625	1,010	1,460	1,060	1,060	3,730	2,590	1,510
17	6,640	3,080	1,100	1,440	610	1,050	1,370	981	1,330	3,660	2,460	1,420
18	6,970	2,780	1,070	1,570	632	1,090	1,490	927	1,420	3,610	2,470	1,410
19	6,880	2,810	989	e1,560	633	1,200	1,530	915	1,410	3,540	2,380	1,330
20	6,960	2,740	895	e1,530	634	1,270	1,470	888	1,430	3,470	2,340	1,400
21	6,710	2,590	921	e1,480	593	1,370	1,430	905	2,160	3,350	2,310	1,400
22	6,540	2,380	1,040	e1,430	e590	1,400	1,470	845	2,150	3,110	2,270	1,480
23	6,500	2,420	879	e1,380	e560	1,360	1,430	808	2,440	3,060	2,140	1,450
24	6,230	2,570	841	e1,330	e515	1,440	1,370	844	2,620	3,030	2,200	1,460
25	6,020	2,320	800	e1,280	e460	1,450	1,400	818	2,810	3,020	2,220	1,420
26	5,890	2,020	801	e1,230	441	1,540	1,370	788	2,850	3,030	2,300	1,320
27	5,930	2,060	985	e1,170	277	1,630	1,370	750	3,050	3,020	2,170	1,450
28	5,930	1,770	964	e1,110	263	1,500	1,380	801	3,330	3,060	2,040	1,240
29	5,930	1,630	1,020	e1,050	---	1,760	1,330	796	3,520	3,010	1,970	1,340
30	5,780	1,580	1,080	e1,000	---	1,770	1,180	743	3,560	3,170	1,880	1,310
31	5,660	---	990	e940	---	1,640	---	768	---	2,940	1,820	---
TOTAL	208,200	102,190	33,992	37,791	17,161	33,663	42,930	30,797	48,255	110,160	76,320	45,390
MEAN	6,716	3,406	1,097	1,219	613	1,086	1,431	993	1,608	3,554	2,462	1,513
MAX	7,480	5,850	1,690	1,570	860	1,770	1,630	1,240	3,560	4,290	2,970	1,780
MIN	5,660	1,580	800	940	263	314	1,180	743	714	2,940	1,820	1,240
CFSM	5.05	2.56	0.82	0.92	0.46	0.82	1.08	0.75	1.21	2.67	1.85	1.14
IN.	5.82	2.86	0.95	1.06	0.48	0.94	1.20	0.86	1.35	3.08	2.13	1.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2005, BY WATER YEAR (WY)

MEAN	2,233	1,545	1,018	764	688	783	644	379	498	981	1,233	1,646
MAX	8,873	4,571	4,364	3,240	4,000	4,473	3,100	1,494	3,710	4,859	4,705	5,046
(WY)	(1954)	(2000)	(1988)	(1998)	(1998)	(1998)	(1998)	(1998)	(1968)	(1968)	(2002)	(1960)
MIN	41.0	21.2	42.3	45.0	11.2	-27.4	24.9	15.9	4.41	7.47	10.9	65.7
(WY)	(1981)	(1981)	(1981)	(2001)	(2001)	(2001)	(1999)	(1999)	(2000)	(1981)	(1981)	(1980)

02232400 ST. JOHNS RIVER NEAR COCOA, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1954 - 2005	
ANNUAL TOTAL	574,540		786,849			
ANNUAL MEAN	1,570		2,156		1,036	
HIGHEST ANNUAL MEAN					2,462	1960
LOWEST ANNUAL MEAN					44.5	1981
HIGHEST DAILY MEAN	7,480	Oct 14	7,480	Oct 14	10,700	Oct 11, 1953
LOWEST DAILY MEAN	94	Jan 7	263	Feb 28	-125	Mar 18, 2001
ANNUAL SEVEN-DAY MINIMUM	235	Jan 6	353	Feb 25	-61	Mar 15, 2001
MAXIMUM PEAK STAGE			16.96		*16.96	Oct 11, 1953
ANNUAL RUNOFF (CFSM)	1.18		1.62		0.779	
ANNUAL RUNOFF (INCHES)	16.06		21.99		10.58	
10 PERCENT EXCEEDS	5,700		4,900		2,530	
50 PERCENT EXCEEDS	470		1,440		604	
90 PERCENT EXCEEDS	278		761		91	

e Estimated

* Oct 11, 1953, Oct 5, 6, 2004

Note.--Negative figures indicate reverse flow

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.86	15.74	13.23	11.89	---	11.08	12.82	12.23	11.33	14.79	14.41	13.36
2	16.89	15.65	13.15	11.87	11.55	11.20	12.79	12.17	11.44	14.88	14.41	13.37
3	16.91	15.56	13.07	11.84	11.54	11.26	12.81	12.15	11.51	14.97	14.44	13.42
4	16.91	15.46	13.00	11.82	11.39	11.34	12.83	12.15	11.60	15.04	14.44	13.40
5	16.92	15.36	12.94	11.80	11.36	11.38	12.84	12.17	11.71	15.07	14.38	13.38
6	16.93	15.25	12.88	11.78	11.39	11.42	12.85	12.20	11.95	15.10	14.37	13.41
7	16.89	15.16	12.82	11.76	11.37	11.45	12.85	12.24	12.12	15.12	14.31	13.45
8	16.84	15.07	12.76	11.73	11.36	11.39	12.82	12.24	12.25	15.14	14.35	13.47
9	16.82	14.98	12.70	11.71	11.37	11.47	12.80	12.22	12.33	15.20	14.32	13.55
10	16.80	14.92	12.63	11.68	11.29	11.54	12.78	12.18	12.44	15.29	14.25	13.59
11	16.79	14.83	12.52	11.66	11.23	11.56	12.78	12.14	12.53	15.26	14.22	13.57
12	16.78	14.74	12.46	11.67	11.24	11.60	12.77	12.11	12.56	15.26	14.21	13.54
13	16.73	14.65	12.41	11.70	11.25	11.63	12.73	12.07	12.60	15.27	14.20	13.49
14	16.69	14.58	12.31	11.70	---	11.67	12.71	12.01	12.61	15.27	14.18	13.44
15	16.64	14.48	12.17	11.78	---	11.70	12.63	11.95	12.65	15.27	14.18	13.40
16	16.60	14.37	12.17	11.76	11.13	11.72	12.60	11.91	12.77	15.24	14.14	13.36
17	16.58	14.27	12.14	11.82	11.09	11.87	12.57	11.85	12.84	15.21	14.10	13.31
18	16.56	14.20	12.10	11.83	11.04	11.99	12.58	11.79	12.88	15.18	14.03	13.25
19	16.53	14.13	12.00	---	11.02	12.12	12.58	11.74	12.93	15.15	13.96	13.18
20	16.50	14.06	11.92	---	11.03	12.22	12.55	11.69	13.05	15.10	13.89	13.17
21	16.48	13.97	11.92	---	10.97	12.30	12.52	11.61	13.18	15.05	13.84	13.29
22	16.43	13.89	11.90	---	10.94	12.36	12.49	11.58	13.27	14.99	13.80	13.41
23	16.39	13.82	11.84	---	10.90	12.40	12.43	11.52	13.38	14.91	13.73	13.43
24	16.33	13.75	11.75	---	---	12.42	12.35	11.44	13.52	14.87	13.67	13.44
25	16.27	13.64	11.77	---	10.80	12.46	12.36	11.41	14.00	14.82	13.62	13.43
26	16.20	13.55	11.86	---	10.80	12.61	12.34	11.38	14.25	14.78	13.63	13.39
27	16.13	13.52	11.88	---	10.94	12.73	12.37	11.36	14.43	14.73	13.56	13.35
28	16.05	13.44	11.92	---	11.03	12.70	12.34	11.28	14.56	14.69	13.51	13.31
29	15.98	13.37	11.94	---	---	12.76	12.33	11.23	14.66	14.61	13.48	13.29
30	15.91	13.31	11.93	---	---	12.80	12.31	11.20	14.73	14.54	13.43	13.27
31	15.81	---	11.91	---	---	12.83	---	11.20	---	14.48	13.40	---
MEAN	16.55	14.46	12.32	---	---	11.93	12.62	11.82	12.87	15.01	14.01	13.39
MAX	16.93	15.74	13.23	---	---	12.83	12.85	12.24	14.73	15.29	14.44	13.59
MIN	15.81	13.31	11.75	---	---	11.08	12.31	11.20	11.33	14.48	13.40	---
CAL YR	2004	MEAN 11.75	MAX 16.93	MIN 9.09								

02232500 ST. JOHNS RIVER NEAR CHRISTMAS, FL

LOCATION.--Lat 28° 32'34", long 80° 56'37", in SW¹/₄ sec.29, T.22 S., R.34 E., Orange County, Hydrologic Unit 03080101, on downstream side of bridge on State Highway 50, 0.3 mi upstream from Tootoosahatchee Creek, 2 mi upstream from Lake Cone, 4.5 mi east of Christmas, and 209 mi upstream from mouth.

DRAINAGE AREA.--1,539 mi², includes that of Tootoosahatchee Creek.

PERIOD OF RECORD.--October 1933 to current year. Prior to January 1934, monthly discharge only, published in WSP 1304.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is 1.62 ft above NGVD of 1929. Prior to July 23, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,210	5,940	2,150	957	806	536	1,710	999	581	3,720	3,190	1,900
2	7,190	5,850	2,080	947	802	551	1,740	1,040	609	3,780	3,280	1,880
3	7,150	5,690	1,980	931	773	554	1,840	996	652	3,880	3,430	1,920
4	7,240	5,540	1,900	924	748	567	1,740	1,040	697	4,040	3,370	1,880
5	7,330	5,430	1,830	907	710	597	1,670	1,070	757	4,030	3,440	1,860
6	7,550	5,360	1,760	861	677	607	1,670	1,060	789	4,040	3,570	1,840
7	7,530	5,190	1,710	857	664	629	1,620	1,050	820	4,000	3,570	1,940
8	7,440	5,020	1,600	862	662	626	1,540	1,010	881	4,070	3,660	1,960
9	7,380	4,920	1,560	838	653	658	1,570	994	943	4,210	3,620	2,150
10	7,240	4,880	1,490	807	649	653	1,540	990	1,060	4,360	3,470	2,310
11	7,300	4,670	1,500	805	649	672	1,500	970	1,140	4,250	3,380	2,300
12	7,160	4,420	1,480	800	602	697	1,450	960	1,210	4,260	3,370	2,280
13	7,150	4,240	1,390	772	597	678	1,420	959	1,220	4,250	3,360	2,210
14	7,190	4,230	1,300	838	565	703	1,450	929	1,250	4,250	3,320	2,110
15	7,110	4,110	1,250	1,030	597	731	1,420	906	1,260	4,280	3,340	2,020
16	7,070	3,880	1,230	1,040	583	762	1,380	882	1,300	4,260	3,180	1,930
17	7,080	3,660	1,160	1,030	582	829	1,330	840	1,350	4,200	3,020	1,880
18	6,970	3,530	1,110	1,020	545	1,020	1,290	809	1,420	4,170	2,920	1,810
19	6,880	3,360	1,080	1,020	510	1,080	1,250	782	1,460	4,110	2,840	1,800
20	6,640	3,230	1,030	992	512	1,130	1,250	777	1,520	4,000	2,720	1,770
21	6,840	3,130	998	998	510	1,190	1,200	745	1,560	3,890	2,630	1,720
22	6,940	2,990	977	987	514	1,200	1,190	744	1,580	3,790	2,530	1,860
23	6,940	2,880	931	964	483	1,300	1,170	709	1,660	3,720	2,450	2,000
24	6,910	2,820	931	950	483	1,350	1,190	665	1,790	3,690	2,370	2,100
25	6,730	2,680	929	923	487	1,350	1,150	666	2,120	3,670	2,340	2,050
26	6,650	2,670	998	897	454	1,550	1,090	635	2,630	3,530	2,280	2,070
27	6,630	2,550	1,050	872	475	1,600	1,120	607	3,160	3,450	2,160	2,020
28	6,470	2,430	1,010	889	538	1,630	1,120	599	3,410	3,320	2,100	2,030
29	6,340	2,390	991	903	---	1,890	1,050	574	3,560	3,340	2,030	2,020
30	6,110	2,260	971	862	---	1,850	1,060	539	3,640	3,260	1,950	2,010
31	6,070	---	962	831	---	1,780	---	553	---	3,230	1,920	---
TOTAL	216,440	119,950	41,338	28,314	16,830	30,970	41,720	26,099	46,029	121,050	90,810	59,630
MEAN	6,982	3,998	1,333	913	601	999	1,391	842	1,534	3,905	2,929	1,988
MAX	7,550	5,940	2,150	1,040	806	1,890	1,840	1,070	3,640	4,360	3,660	2,310
MIN	6,070	2,260	929	772	454	536	1,050	539	581	3,230	1,920	1,720
MED	7,080	3,990	1,230	907	590	762	1,400	882	1,280	4,000	3,180	1,980
CFSM	4.54	2.60	0.87	0.59	0.39	0.65	0.90	0.55	1.00	2.54	1.90	1.29
IN.	5.23	2.90	1.00	0.68	0.41	0.75	1.01	0.63	1.11	2.93	2.20	1.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2005, BY WATER YEAR (WY)

MEAN	2,771	1,964	1,300	1,009	884	944	774	420	643	1,231	1,578	2,163
MAX	10,130	4,928	4,174	3,949	4,230	4,739	4,072	1,715	5,461	6,809	5,261	8,062
(WY)	(1954)	(1957)	(1988)	(1998)	(1998)	(1960)	(1960)	(1998)	(1968)	(1968)	(2002)	(1953)
MIN	67.5	38.7	81.8	70.0	66.4	16.4	-30.3	15.3	8.45	8.34	32.3	171
(WY)	(1981)	(1981)	(1962)	(1962)	(2001)	(1939)	(1999)	(1981)	(2000)	(1981)	(1981)	(1950)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1934 - 2005
ANNUAL TOTAL	620,694	839,180	
ANNUAL MEAN	1,696	2,299	1,309
HIGHEST ANNUAL MEAN			2,978
LOWEST ANNUAL MEAN			84.4
HIGHEST DAILY MEAN	7,550	Oct 6	11,600
LOWEST DAILY MEAN	71	May 25, 31	-137
ANNUAL SEVEN-DAY MINIMUM	79	May 21	-82
MAXIMUM PEAK FLOW			11,700
MAXIMUM PEAK STAGE		10.03	10.81
ANNUAL RUNOFF (CFSM)	1.10	1.49	0.851
ANNUAL RUNOFF (INCHES)	15.00	20.28	11.56
10 PERCENT EXCEEDS	5,970	5,390	3,170
50 PERCENT EXCEEDS	504	1,570	816
90 PERCENT EXCEEDS	145	653	111

Note.--Negative figures indicate reverse flow

02233200 LITTLE ECONLOCKHATCHEE RIVER NEAR UNION PARK, FL

LOCATION.--Lat 28° 31' 29", long 81° 14' 39", in SW¹/₄ sec.32, T.22 S., R.31 E., Orange County, Hydrologic Unit 03080101, near right bank at Berry-Deese Road, 3,300 ft upstream from a tributary, 3 mi south of Union Park, 8.5 mi east of Orlando, and 13 mi upstream from mouth.

DRAINAGE AREA.--27.1 mi².

PERIOD OF RECORD.--October 1959 to current year.

GAGE.--Water-stage recorder. Datum of gage is 56.19 ft above NGVD of 1929. Prior to Jan. 12, 1960, and Oct. 21, 1972 to Nov. 14, 1983, nonrecording gage at same site and datum.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	194	29	20	22	24	30	60	16	28	243	34	38
2	156	29	19	21	23	24	50	15	28	181	47	33
3	127	28	19	19	25	21	44	12	40	152	38	27
4	108	27	18	19	25	22	40	17	151	161	36	23
5	95	27	18	19	24	21	39	31	100	140	41	21
6	85	25	18	19	24	20	36	27	74	112	120	23
7	77	24	18	18	24	18	36	21	65	85	89	27
8	69	23	17	17	24	17	41	18	64	70	71	29
9	63	23	16	16	23	17	39	15	60	62	63	27
10	58	23	17	15	22	22	36	14	66	125	79	25
11	57	23	20	15	20	21	35	13	55	117	63	21
12	60	23	18	14	18	18	28	12	122	117	50	18
13	56	23	16	14	17	17	22	11	190	145	42	18
14	50	35	15	81	16	17	20	11	128	116	39	16
15	47	33	14	139	16	21	18	9.6	112	197	39	14
16	49	29	14	84	16	21	17	8.4	192	182	37	12
17	44	27	14	61	18	35	15	9.4	393	138	31	12
18	41	25	14	49	18	75	14	9.5	346	110	32	11
19	42	23	13	42	16	60	14	9.1	236	92	62	11
20	60	22	12	38	16	43	13	9.1	188	89	57	12
21	51	21	11	36	16	39	12	8.7	143	80	42	16
22	44	21	11	34	16	37	12	7.3	122	70	35	16
23	41	21	12	32	14	67	14	7.0	161	61	30	21
24	39	20	12	30	14	81	14	6.9	136	53	28	29
25	37	24	16	29	14	71	12	6.5	124	47	27	23
26	36	25	40	28	14	141	12	6.2	110	42	29	19
27	34	22	34	28	22	112	15	6.0	96	39	27	17
28	33	24	28	27	38	86	14	6.6	222	36	24	27
29	32	23	26	26	---	78	12	6.4	227	32	22	27
30	31	21	24	25	---	70	12	5.7	306	29	20	22
31	30	---	23	25	---	62	---	11	---	31	24	---
TOTAL	1,946	743	567	1,042	557	1,384	746	366.4	4,285	3,154	1,378	635
MEAN	62.8	24.8	18.3	33.6	19.9	44.6	24.9	11.8	143	102	44.5	21.2
MAX	194	35	40	139	38	141	60	31	393	243	120	38
MIN	30	20	11	14	14	17	12	5.7	28	29	20	11
CFSM	2.32	0.91	0.67	1.24	0.73	1.65	0.92	0.44	5.27	3.75	1.64	0.78
IN.	2.67	1.02	0.78	1.43	0.76	1.90	1.02	0.50	5.88	4.33	1.89	0.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2005, BY WATER YEAR (WY)

MEAN	34.6	23.6	20.7	23.6	25.3	29.4	18.1	10.7	29.9	42.6	56.6	67.3
MAX	114	151	155	90.0	128	193	86.5	71.5	143	174	169	339
(WY)	(1970)	(1995)	(1998)	(2003)	(1998)	(1960)	(1991)	(1991)	(2005)	(1991)	(1995)	(2004)
MIN	3.16	2.67	2.22	2.73	3.58	3.61	1.64	0.69	1.14	5.29	5.94	4.12
(WY)	(1971)	(1971)	(1961)	(1968)	(1968)	(1961)	(1961)	(1961)	(1962)	(1980)	(1980)	(1970)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1960 - 2005

ANNUAL TOTAL	24,059.8	16,803.4	
ANNUAL MEAN	65.7	46.0	31.9
HIGHEST ANNUAL MEAN			64.9
LOWEST ANNUAL MEAN			7.41
HIGHEST DAILY MEAN	1,290	Sep 6	393
LOWEST DAILY MEAN	5.8	Jun 1, 2	5.7
ANNUAL SEVEN-DAY MINIMUM	6.2	May 28	6.3
MAXIMUM PEAK FLOW			428
MAXIMUM PEAK STAGE			9.11
INSTANTANEOUS LOW FLOW			5.4
ANNUAL RUNOFF (CFSM)	2.43	1.70	1.18
ANNUAL RUNOFF (INCHES)	33.03	23.07	15.99
10 PERCENT EXCEEDS	149	114	71
50 PERCENT EXCEEDS	23	27	16
90 PERCENT EXCEEDS	11	12	3.8

02233460 LITTLE ECONLOCKHATCHEE RIVER TRIBUTARY AT BANNER DAM AT UNION PARK, FL

LOCATION.--Lat 28° 34' 27", long 81° 16' 12", in SE¹/₄ sec.13, T.22 S., R.30 E., Orange County, Hydrologic Unit 03080101, on left upstream wingwall of Banner Dam, 29 ft upstream from Harrell Road, 1.2 mi upstream from Little Econlockhatchee River, and 1.1 mi northeast of Union Park.

DRAINAGE AREA.--18 mi².

PERIOD OF RECORD.--November 2001 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929.

REMARKS.--Records fair except for period of estimated daily discharge, which is poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	29	15	12	12	14	27	34	50	97	50	29
2	79	28	15	12	12	12	21	12	28	79	36	26
3	71	27	14	12	12	13	18	12	146	71	39	21
4	68	27	15	12	12	14	17	37	132	66	37	18
5	66	26	15	12	11	12	18	35	86	e62	40	18
6	61	25	15	12	11	11	16	23	67	59	39	18
7	57	25	14	11	11	10	26	16	45	52	46	35
8	54	24	14	10	11	18	27	14	36	48	47	27
9	51	20	13	10	11	19	18	12	39	48	41	22
10	48	18	15	10	9.9	19	16	12	54	61	45	25
11	53	19	14	9.9	9.3	13	16	12	45	65	41	19
12	49	19	13	9.7	9.0	12	17	12	38	115	42	17
13	45	19	14	9.8	8.8	11	14	11	23	84	66	17
14	42	23	14	8.5	9.1	12	14	9.1	38	75	97	17
15	51	19	10	41	9.2	13	13	9.0	43	84	57	16
16	43	18	10	30	9.0	16	13	8.8	43	74	44	14
17	41	17	11	25	8.7	70	12	9.3	26	62	37	14
18	40	17	9.6	22	8.4	61	11	9.2	40	55	44	13
19	45	17	9.4	20	7.9	28	12	8.5	45	59	51	14
20	65	17	13	19	8.0	23	12	8.4	45	56	41	50
21	47	15	9.5	18	8.6	23	13	11	48	49	36	37
22	43	15	10	16	8.4	21	14	13	53	45	32	22
23	39	15	9.9	16	8.8	46	13	14	54	47	28	39
24	37	15	11	15	8.5	29	12	16	55	43	26	42
25	35	34	38	15	9.2	47	14	20	47	39	34	24
26	33	18	34	15	8.9	57	15	19	48	34	28	19
27	32	18	17	14	66	34	15	20	65	34	22	49
28	32	21	14	13	28	29	11	21	179	33	19	111
29	30	16	13	13	---	26	10	13	119	34	18	50
30	30	15	13	12	---	24	12	14	132	43	21	33
31	29	---	13	11	---	24	---	87	---	66	28	---
TOTAL	1,507	616	445.4	542.4	346.7	761	467	552.3	1,869	1,839	1,232	856
MEAN	48.6	20.5	14.4	17.5	12.4	24.5	15.6	17.8	62.3	59.3	39.7	28.5
MAX	91	34	38	85	66	70	27	87	179	115	97	111
MIN	29	15	9.4	9.7	7.9	10	10	8.4	23	33	18	13
CFSM	2.70	1.14	0.80	0.97	0.69	1.36	0.86	0.99	3.46	3.30	2.21	1.59
IN.	3.11	1.27	0.92	1.12	0.72	1.57	0.97	1.14	3.86	3.80	2.55	1.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	32.3	19.5	25.9	23.7	18.6	20.1	14.2	15.0	36.9	59.9	81.5	82.8
MAX	48.6	20.5	52.8	46.8	22.2	25.7	15.7	17.8	62.3	69.3	134	178
(WY)	(2005)	(2005)	(2003)	(2003)	(2004)	(2003)	(2002)	(2005)	(2005)	(2004)	(2004)	(2004)
MIN	23.6	18.7	14.4	14.8	12.4	13.2	9.91	9.55	19.4	45.0	39.7	28.5
(WY)	(2003)	(2003)	(2005)	(2002)	(2005)	(2002)	(2004)	(2004)	(2004)	(2003)	(2005)	(2005)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 2002 - 2005
ANNUAL TOTAL	17,046.2	11,033.8	
ANNUAL MEAN	46.6	30.2	36.4
HIGHEST ANNUAL MEAN			44.7
LOWEST ANNUAL MEAN			30.2
HIGHEST DAILY MEAN	e704	Sep 6	179
LOWEST DAILY MEAN	5.7	May 25	7.9
ANNUAL SEVEN-DAY MINIMUM	6.2	May 19	8.4
MAXIMUM PEAK FLOW		434	Jun 3
MAXIMUM PEAK STAGE		50.34	Jun 3
INSTANTANEOUS LOW FLOW		3.9	Jun 12
ANNUAL RUNOFF (CFSM)	2.59	1.68	1.0
ANNUAL RUNOFF (INCHES)	35.23	22.80	2.02
10 PERCENT EXCEEDS	102	61	71
50 PERCENT EXCEEDS	17	21	20
90 PERCENT EXCEEDS	8.8	10	10

e Estimated

02233473 LITTLE ECONLOCKHATCHEE RIVER AT UNIVERSITY BOULEVARD NEAR UNION PARK, FL

LOCATION.--Lat 28° 35' 49", long 81° 13' 30", in NW¹/₄ sec.9, T.22 S., R.31 E., Orange County, Hydrologic Unit 03080101, near center span on upstream side of bridge on University Boulevard (SR436A), 1.6 mi east of State Highway 417, 2.0 mi north of Union Park, and 6.3 mi upstream from mouth.

DRAINAGE AREA.--71 mi².

PERIOD OF RECORD.--September 2001 to February 2002 (discharge measurements only), March 2002 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	540	94	68	70	64	108	163	65	124	519	137	93
2	456	90	63	66	63	80	149	49	110	445	141	114
3	387	87	60	63	65	65	128	39	158	379	189	100
4	343	83	58	60	66	65	111	62	409	351	174	85
5	322	81	57	59	62	60	100	125	361	346	165	75
6	294	78	55	58	59	54	93	105	311	312	223	69
7	270	73	54	56	58	49	90	79	249	264	261	95
8	243	69	54	55	58	56	118	62	203	222	239	100
9	223	66	52	52	56	57	99	52	179	196	205	91
10	205	65	53	50	54	73	89	46	182	208	202	88
11	203	66	64	49	49	60	80	44	247	243	195	76
12	214	69	55	48	46	51	76	42	342	311	162	67
13	202	66	51	47	43	45	67	38	428	309	152	59
14	183	79	50	166	42	43	56	35	386	291	210	55
15	180	92	48	317	41	45	53	34	341	293	184	52
16	178	87	42	289	40	54	48	32	517	360	142	47
17	163	78	43	237	39	107	45	30	715	350	120	43
18	152	72	44	191	39	246	43	30	703	316	118	40
19	145	67	42	160	37	210	41	29	587	297	213	39
20	223	63	39	139	36	175	40	28	493	294	210	67
21	212	58	41	122	36	145	40	28	413	257	171	114
22	189	56	38	111	35	135	38	26	376	228	138	84
23	170	55	39	102	36	187	37	26	409	197	115	100
24	155	55	40	92	44	239	36	24	380	174	101	209
25	141	92	57	85	39	226	33	24	357	153	101	147
26	131	95	155	80	39	299	33	23	340	134	100	114
27	122	80	125	78	90	301	40	23	319	119	89	95
28	115	85	104	76	154	264	36	30	510	107	80	197
29	109	79	90	74	---	221	33	25	500	99	74	154
30	104	74	80	72	---	194	32	23	537	97	68	117
31	99	---	74	66	---	172	---	94	---	99	74	---
TOTAL	6,673	2,254	1,895	3,190	1,490	4,086	2,047	1,372	11,186	7,970	4,753	2,786
MEAN	215	75.1	61.1	103	53.2	132	68.2	44.3	373	257	153	92.9
MAX	540	95	155	317	154	301	163	125	715	519	261	209
MIN	99	55	38	47	35	43	32	23	110	97	68	39
CFSM	3.03	1.06	0.86	1.45	0.75	1.86	0.96	0.62	5.25	3.62	2.16	1.31
IN.	3.50	1.18	0.99	1.67	0.78	2.14	1.07	0.72	5.86	4.18	2.49	1.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	143	89.3	118	129	83.4	98.3	50.1	42.2	164	210	302	305
MAX	215	118	231	230	123	132	68.2	77.3	373	278	362	592
(WY)	(2005)	(2004)	(2003)	(2003)	(2004)	(2005)	(2005)	(2003)	(2005)	(2002)	(2004)	(2004)
MIN	98.0	74.6	61.1	54.7	53.2	54.1	34.5	19.0	68.5	140	153	92.9
(WY)	(2003)	(2003)	(2005)	(2004)	(2005)	(2002)	(2004)	(2002)	(2004)	(2003)	(2005)	(2005)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 2002 - 2005
ANNUAL TOTAL	56,464	49,702	
ANNUAL MEAN	154	136	143
HIGHEST ANNUAL MEAN			150 2004
LOWEST ANNUAL MEAN			136 2005
HIGHEST DAILY MEAN	1,400	Sep 6,7	1,400 Sep 6,7, 2004
LOWEST DAILY MEAN	17	May 31, Jun 1,3	14 May 29, 2002
ANNUAL SEVEN-DAY MINIMUM	18	May 28	15 May 24, 2002
MAXIMUM PEAK FLOW		755	1,650 Sep 6, 2004
MAXIMUM PEAK STAGE		41.34	45.72 Sep 6, 2004
INSTANTANEOUS LOW FLOW		22	14 May 26-30, 2002
ANNUAL RUNOFF (CFSM)	2.17	1.92	2.02
ANNUAL RUNOFF (INCHES)	29.58	26.04	27.46
10 PERCENT EXCEEDS	403	311	324
50 PERCENT EXCEEDS	73	90	85
90 PERCENT EXCEEDS	29	39	38

02233475 LITTLE ECONLOCKHATCHEE RIVER AT STATE HIGHWAY 434 NEAR OVIEDO, FL

LOCATION.--Lat 28° 37'11", long 81° 12'29", in NW¹/₄ sec.34, T.21 S., R.31 E., Seminole County, Hydrologic Unit 03080101, on downstream side of bridge on State Highway 434, 3.5 mi south of Oviedo, and 3.8 mi upstream from mouth.

DRAINAGE AREA.--72.7 mi².

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929. (Seminole County bench mark).

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	492	93	77	75	76	144	212	62	133	502	136	94
2	431	88	71	70	75	107	198	64	124	452	136	118
3	384	88	64	66	77	83	174	52	115	404	194	110
4	347	79	61	61	76	79	146	58	419	375	195	92
5	330	80	60	63	74	76	131	139	428	364	174	80
6	311	78	57	61	68	68	121	131	386	341	221	74
7	288	73	55	61	68	62	114	104	314	295	290	94
8	249	67	55	58	66	64	143	82	248	250	285	113
9	230	66	55	55	65	72	128	66	208	232	243	104
10	210	68	53	53	64	84	113	58	206	215	227	95
11	205	66	64	52	60	76	101	53	255	248	232	83
12	219	69	59	52	56	67	95	50	359	311	195	75
13	209	66	54	49	53	58	87	46	451	334	174	67
14	186	73	54	127	50	57	73	41	433	321	222	64
15	173	91	52	365	48	56	69	38	383	317	225	56
16	180	92	46	365	48	62	63	37	476	368	172	50
17	164	80	47	310	48	102	57	35	640	380	137	47
18	153	75	48	247	50	293	53	33	680	354	123	43
19	143	72	47	203	45	286	50	33	582	352	229	43
20	202	68	44	175	43	239	48	29	512	348	246	53
21	221	62	45	151	44	201	48	28	462	311	212	136
22	200	61	43	133	42	179	48	28	417	278	168	103
23	181	59	45	120	42	213	44	27	437	230	134	90
24	165	62	44	109	50	310	43	25	413	199	112	226
25	146	82	50	98	48	304	41	23	392	173	108	185
26	135	103	151	92	46	383	39	22	381	148	108	134
27	125	83	144	92	72	410	44	21	349	126	94	108
28	116	84	119	88	194	373	46	27	483	112	85	201
29	111	91	99	85	---	308	40	28	491	99	79	198
30	104	89	85	82	---	265	38	23	508	93	73	144
31	100	---	78	78	---	233	---	57	---	93	73	---
TOTAL	6,710	2,308	2,026	3,696	1,748	5,314	2,607	1,520	11,685	8,625	5,302	3,080
MEAN	216	76.9	65.4	119	62.4	171	86.9	49.0	390	278	171	103
MAX	492	103	151	365	194	410	212	139	680	502	290	226
MIN	100	59	43	49	42	56	38	21	115	93	73	43
CFSM	2.98	1.06	0.90	1.64	0.86	2.36	1.20	0.67	5.36	3.83	2.35	1.41
IN.	3.43	1.18	1.04	1.89	0.89	2.72	1.33	0.78	5.98	4.41	2.71	1.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

MEAN	157	95.4	128	113	109	116	57.6	47.2	148	222	268	284
MAX	415	170	438	283	390	346	86.9	103	390	355	467	688
(WY)	(2000)	(2000)	(1998)	(2003)	(1998)	(1998)	(2005)	(2003)	(2005)	(1997)	(2004)	(2004)
MIN	64.5	45.2	37.3	37.2	38.9	28.7	29.7	21.3	33.5	80.0	76.6	98.1
(WY)	(1998)	(2001)	(2001)	(2001)	(2001)	(1999)	(1999)	(2000)	(1998)	(2000)	(2000)	(1997)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1996 - 2005	
ANNUAL TOTAL	67,305		54,621			
ANNUAL MEAN	184		150		146	
HIGHEST ANNUAL MEAN					201	
LOWEST ANNUAL MEAN					101	
HIGHEST DAILY MEAN	1,860	Sep 7	680	Jun 18	1,860	Sep 7, 2004
LOWEST DAILY MEAN	20	May 31	21	May 27	11	Apr 16, 1999
ANNUAL SEVEN-DAY MINIMUM	22	May 29	24	May 24	16	Apr 11, 1999
MAXIMUM PEAK FLOW			702	Jun 18	2,150	Sep 6, 7, 2004
MAXIMUM PEAK STAGE			35.62	Jun 18	37.86	Sep 6, 7, 2004
INSTANTANEOUS LOW FLOW			20	May 26-28	10	Apr 16, 1999
ANNUAL RUNOFF (CFSM)	2.53		2.06		2.00	
ANNUAL RUNOFF (INCHES)	34.44		27.95		27.21	
10 PERCENT EXCEEDS	502		356		368	
50 PERCENT EXCEEDS	82		94		76	
90 PERCENT EXCEEDS	45		46		34	

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02233484 ECONLOCKHATCHEE RIVER NEAR OVIEDO, FL

LOCATION.--Lat 28° 39'19", long 81° 10'12", in NE 1/4 sec.24, T.21 S., R.31 E., Seminole County, Hydrologic Unit 03080101, on downstream side of bridge on State Highway 419, 0.1 mi downstream from Little Econlockhatchee River, 2.5 mi east of Oviedo, and 16.3 mi upstream from mouth.

DRAINAGE AREA.--228 mi².

PERIOD OF RECORD.--December 2001 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (Seminole County bench mark).

REMARKS.--Records fair. A maximum discharge, 2,770 ft³/s, and stage, 22.76 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 7, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,480	333	171	156	165	322	586	95	124	1,280	188	178
2	2,050	311	159	145	161	257	483	110	167	1,290	247	204
3	1,770	293	147	138	161	208	411	97	189	1,270	308	233
4	1,560	277	136	131	161	183	349	101	354	1,150	419	209
5	1,460	261	131	128	158	169	309	166	596	1,010	480	178
6	1,430	253	125	125	151	156	287	195	653	893	497	160
7	1,360	237	122	122	146	145	272	181	619	767	636	176
8	1,220	222	120	118	143	137	287	157	533	631	1,090	225
9	1,080	210	119	115	140	147	279	132	432	531	1,180	243
10	968	207	117	111	138	168	251	114	374	538	1,080	240
11	885	202	125	108	133	177	227	104	360	533	1,130	221
12	854	205	125	107	127	164	206	106	515	551	971	194
13	848	205	117	105	122	144	192	100	806	589	820	170
14	838	212	116	178	116	130	172	96	875	579	661	152
15	803	241	114	475	113	125	154	90	833	559	588	139
16	767	239	108	712	112	126	142	84	1,090	621	487	124
17	706	221	104	777	112	186	130	76	1,780	737	386	114
18	644	204	103	688	110	437	121	71	2,220	774	321	106
19	596	191	101	548	107	574	114	67	2,000	743	342	101
20	661	180	98	445	101	610	108	62	1,580	759	346	102
21	737	168	94	374	99	570	105	58	1,290	642	318	214
22	1,070	158	93	323	99	477	102	56	1,100	524	266	267
23	1,130	153	94	289	97	470	96	56	980	433	221	248
24	942	150	94	259	112	589	92	53	996	355	192	287
25	763	165	103	234	119	689	86	50	1,120	301	177	315
26	628	199	193	216	115	907	80	48	1,340	256	175	249
27	534	184	248	206	158	951	83	48	1,290	221	164	202
28	471	184	238	197	311	937	86	48	1,290	196	154	213
29	426	182	218	189	---	943	81	48	1,350	173	151	294
30	389	184	190	182	---	872	75	47	1,330	157	144	274
31	359	---	168	174	---	728	---	57	---	153	142	---
TOTAL	30,429	6,431	4,191	8,075	3,787	12,698	5,966	2,773	28,186	19,216	14,281	6,032
MEAN	982	214	135	260	135	410	199	89.5	940	620	461	201
MAX	2,480	333	248	777	311	951	586	195	2,220	1,290	1,180	315
MIN	359	150	93	105	97	125	75	47	124	153	142	101
CFSM	4.36	0.95	0.60	1.16	0.60	1.82	0.88	0.40	4.18	2.75	2.05	0.89
IN.	5.03	1.06	0.69	1.34	0.63	2.10	0.99	0.46	4.66	3.18	2.36	1.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	519	214	313	321	203	298	132	98.8	396	601	1,066	939
MAX	982	254	683	805	339	418	199	171	940	960	1,417	2,189
(WY)	(2005)	(2004)	(2003)	(2003)	(2004)	(2003)	(2005)	(2003)	(2005)	(2002)	(2003)	(2004)
MIN	254	173	120	108	135	144	69.5	36.6	152	307	461	201
(WY)	(2003)	(2003)	(2004)	(2004)	(2005)	(2002)	(2004)	(2002)	(2004)	(2003)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2002 - 2005

ANNUAL TOTAL	193,067	142,065	
ANNUAL MEAN	528	389	435
HIGHEST ANNUAL MEAN			473
LOWEST ANNUAL MEAN			389
HIGHEST DAILY MEAN	5,820	Sep 7	5,820
LOWEST DAILY MEAN	43	May 25	e22
ANNUAL SEVEN-DAY MINIMUM	44	May 20	25
MAXIMUM PEAK FLOW			6,080
MAXIMUM PEAK STAGE			27.32
INSTANTANEOUS LOW FLOW			46
ANNUAL RUNOFF (CFSM)	2.34	1.73	1.93
ANNUAL RUNOFF (INCHES)	31.92	23.49	26.25
10 PERCENT EXCEEDS	1,430	969	1,090
50 PERCENT EXCEEDS	186	205	212
90 PERCENT EXCEEDS	60	100	91

e Estimated

02234000 ST. JOHNS RIVER ABOVE LAKE HARNEY, NEAR GENEVA, FL

LOCATION.--Lat 28° 42'50", long 81° 02'08", in NE 1/4 sec.32, T.20 S., R.33 E., Seminole County, Hydrologic Unit 03080101, near center of channel on downstream side of bridge on State Highway 46, 0.9 mi downstream from Econlockhatchee River, 1 mi upstream from Lake Harney, 5.5 mi southeast of Geneva, and 190 mi upstream from mouth.

DRAINAGE AREA.--2,043 mi².

PERIOD OF RECORD.--July 1941 to September 1981 (gage heights and miscellaneous discharge measurements only). October 1981 to current year.

REVISED RECORDS.--WRD FL 66-1: Drainage area.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Sept. 3, 1943, nonrecording gage, and Sept.3, 1943 to Oct. 8, 1959, water-stage recorder at site 50 ft downstream at same datum.

REMARKS.--Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1924 reached a stage of 10.1 ft, from floodmark.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,590	7,820	3,410	1,390	1,290	796	2,950	1,090	585	4,530	4,000	2,750
2	9,540	7,620	3,430	1,350	1,250	1,030	2,410	1,170	628	4,870	4,150	2,820
3	9,030	7,680	3,180	1,360	1,120	1,040	2,420	1,190	642	4,920	4,270	2,830
4	8,650	8,080	3,020	1,340	1,160	1,030	2,500	1,220	742	4,830	4,260	2,840
5	8,900	7,400	3,290	1,300	1,240	874	2,440	1,280	932	5,030	4,270	2,680
6	8,470	8,230	3,220	1,230	1,160	875	2,280	1,310	1,220	4,920	4,530	2,600
7	10,000	7,950	2,940	1,250	1,020	891	2,150	1,350	1,360	4,730	4,760	2,480
8	10,000	7,360	2,830	1,230	975	638	1,960	1,220	1,410	4,620	5,030	2,540
9	9,780	6,960	2,580	1,220	949	856	2,090	1,160	1,320	5,160	5,060	3,160
10	9,830	7,270	2,490	1,210	755	971	2,040	1,080	1,400	5,230	4,870	3,120
11	9,630	6,950	2,060	1,240	913	867	2,120	1,090	1,370	4,830	4,870	2,750
12	9,560	7,000	2,430	1,200	921	891	1,920	1,140	1,410	5,090	4,880	2,730
13	10,500	6,190	2,340	1,210	876	951	1,650	1,120	1,590	4,830	4,720	2,510
14	9,950	6,500	1,910	1,340	799	952	1,630	1,130	1,820	4,830	4,580	2,580
15	10,100	6,600	2,050	1,770	817	1,010	1,730	1,090	1,870	4,750	4,330	2,540
16	10,400	6,290	2,290	2,020	760	1,020	1,780	1,030	2,070	4,650	4,300	2,440
17	9,820	5,850	2,040	2,010	841	1,150	1,770	1,010	2,390	4,650	4,200	2,400
18	10,100	5,680	1,830	2,050	893	1,560	1,660	976	2,750	4,750	4,030	2,330
19	9,760	5,300	1,600	2,050	946	1,900	1,440	936	3,250	4,880	3,970	2,250
20	11,100	4,750	1,570	1,840	849	2,120	1,340	879	3,420	4,630	3,590	2,470
21	10,400	4,520	1,640	1,760	797	2,300	1,260	771	3,390	4,610	3,540	2,500
22	10,100	4,480	1,600	1,580	810	2,190	1,220	821	3,130	4,720	3,550	2,390
23	10,200	4,270	1,410	1,510	802	2,070	1,100	730	2,910	4,490	3,400	2,310
24	9,850	5,010	1,280	1,650	701	2,230	1,100	633	2,880	4,420	3,320	2,380
25	9,200	4,470	1,350	1,430	753	2,400	1,180	687	3,670	4,540	3,270	2,510
26	9,310	4,450	1,360	1,360	872	3,020	1,070	716	4,160	4,510	3,680	2,460
27	9,250	4,560	1,670	1,410	824	3,150	1,080	665	4,360	4,430	3,330	2,540
28	8,850	3,970	1,690	1,470	657	2,860	1,230	561	4,630	4,360	3,040	2,570
29	8,620	3,950	1,630	1,450	---	3,010	1,200	533	4,780	4,220	2,960	2,690
30	8,370	3,690	1,510	1,330	---	3,130	1,140	527	4,520	4,180	2,790	2,660
31	7,740	---	1,470	1,300	---	3,180	---	489	---	3,980	2,860	---
TOTAL	296,600	180,850	67,120	45,860	25,750	50,962	51,860	29,604	70,609	145,190	124,410	77,830
MEAN	9,568	6,028	2,165	1,479	920	1,644	1,729	955	2,354	4,684	4,013	2,594
MAX	11,100	8,230	3,430	2,050	1,290	3,180	2,950	1,350	4,780	5,230	5,060	3,160
MIN	7,740	3,690	1,280	1,200	657	638	1,070	489	585	3,980	2,790	2,250
CFSM	4.68	2.95	1.06	0.72	0.45	0.80	0.85	0.47	1.15	2.29	1.96	1.27
IN.	5.40	3.29	1.22	0.84	0.47	0.93	0.94	0.54	1.29	2.64	2.27	1.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2005, BY WATER YEAR (WY)

MEAN	3,536	2,758	2,116	1,805	1,425	1,345	1,360	719	1,030	1,757	2,521	3,145
MAX	9,568	7,703	7,738	5,642	5,371	5,868	4,332	2,306	3,738	6,207	6,815	7,422
(WY)	(2005)	(1995)	(1995)	(1995)	(1998)	(1998)	(1983)	(1998)	(1982)	(1982)	(1982)	(2004)
MIN	315	531	260	302	168	135	87.6	24.5	1.06	117	212	439
(WY)	(1982)	(1982)	(1982)	(1982)	(1982)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)	(1990)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1982 - 2005

ANNUAL TOTAL	1,026,663	1,166,645	
ANNUAL MEAN	2,805	3,196	1,963
HIGHEST ANNUAL MEAN			3,784
LOWEST ANNUAL MEAN			858
HIGHEST DAILY MEAN	14,500	Sep 26	14,500
LOWEST DAILY MEAN	87	May 31	-77
ANNUAL SEVEN-DAY MINIMUM	106	May 27	566
MAXIMUM PEAK STAGE			10.08
ANNUAL RUNOFF (CFSM)	1.37		1.56
ANNUAL RUNOFF (INCHES)	18.69		21.24
10 PERCENT EXCEEDS	8,240		7,640
50 PERCENT EXCEEDS	1,150		2,400
90 PERCENT EXCEEDS	280		878

Note.--Negative figures indicate reverse flow

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02234010 ST. JOHNS RIVER AT OSCEOLA, FL

LOCATION.--Lat 28°47'37", long 81°03'29", in NW¹/₄ sec.31, T.19 S., R.33 E., Seminole County, Hydrologic Unit 03080101, near right bank 0.1 mi upstream from Deep Creek, 0.7 mi northeast of Osceola, and 183 mi upstream from mouth.

DRAINAGE AREA.--2,410 mi².

PERIOD OF RECORD.--February to September 2005.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929 (Seminole County bench mark).

REMARKS.--Records fair.

EXTREMES FOR PERIOD FEBRUARY TO SEPTEMBER 2005.--Maximum daily discharge, 5,190 ft³/s, July 19, 21, maximum gage height, 6.58 ft, July 19; minimum daily discharge, -24 ft³/s, Mar. 1, minimum gage height, 1.29 ft, Mar. 15, 16.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD FEBRUARY TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	-24	2,840	1,690	534	3,940	4,310	3,170
2	---	---	---	---	---	698	2,790	1,620	598	4,140	3,950	3,130
3	---	---	---	---	---	854	2,770	1,560	511	4,280	4,240	3,060
4	---	---	---	---	---	848	2,890	1,650	324	4,580	4,410	3,160
5	---	---	---	---	---	852	2,700	1,530	429	4,960	4,280	3,080
6	---	---	---	---	---	1,010	2,540	1,350	807	5,020	4,210	2,870
7	---	---	---	---	---	997	2,840	1,300	1,080	4,890	4,310	2,810
8	---	---	---	---	---	549	2,690	1,380	1,190	4,790	4,440	2,500
9	---	---	---	---	---	1,080	2,520	1,280	1,230	4,650	4,470	2,420
10	---	---	---	---	---	1,010	2,430	1,250	1,400	4,640	4,490	2,540
11	---	---	---	---	---	849	2,290	1,280	1,420	4,690	4,740	2,570
12	---	---	---	---	---	1,040	2,530	1,380	1,080	4,860	4,680	2,520
13	---	---	---	---	---	1,060	2,380	1,430	842	5,070	4,630	2,490
14	---	---	---	---	---	1,160	2,200	1,380	1,130	4,940	4,740	2,670
15	---	---	---	---	---	1,080	2,150	1,390	1,080	4,940	4,530	2,730
16	---	---	---	---	---	1,070	2,000	1,340	992	4,860	4,770	2,670
17	---	---	---	---	1,010	1,030	1,840	1,340	1,400	4,860	4,630	2,790
18	---	---	---	---	1,020	1,060	1,750	1,210	1,800	5,090	4,550	2,860
19	---	---	---	---	1,000	1,140	1,770	1,210	2,190	5,190	4,380	2,820
20	---	---	---	---	1,020	1,200	1,870	1,060	2,510	5,080	4,290	2,880
21	---	---	---	---	1,080	1,300	1,780	975	2,720	5,190	4,290	2,850
22	---	---	---	---	1,050	1,490	1,710	967	2,780	5,110	4,170	2,780
23	---	---	---	---	994	1,780	1,710	830	2,670	4,960	4,160	2,640
24	---	---	---	---	988	1,830	1,680	694	2,830	4,860	3,950	2,600
25	---	---	---	---	1,010	1,680	1,760	871	2,950	4,890	4,000	2,650
26	---	---	---	---	826	1,710	1,820	846	3,140	4,890	3,950	2,810
27	---	---	---	---	438	2,440	1,720	760	3,300	4,760	3,500	2,680
28	---	---	---	---	-9.0	2,600	1,660	608	3,460	4,700	3,240	2,830
29	---	---	---	---	---	2,730	1,740	599	3,660	4,610	3,320	2,790
30	---	---	---	---	---	2,780	1,690	614	3,740	4,410	3,560	2,880
31	---	---	---	---	---	2,800	---	438	---	4,290	3,400	---

Note.-- Negative figures indicate reverse flow

02234308 HOWELL CREEK NEAR ALTAMONTE SPRINGS, FL

LOCATION.--Lat 28° 37'56", long 81° 19'24", in NW¹/₄ sec.28, T.21 S., R.30 E., Orange County, Hydrologic Unit 03080101, on downstream side of bridge on Lake Howell Lane, approximately 0.5 mi upstream from Lake Howell, and 3.1 mi southeast of Altamonte Springs.

DRAINAGE AREA.--20.6 mi².

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929. (Seminole County bench mark).

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	16	10	9.4	9.4	20	28	e7.0	33	88	53	e14
2	96	16	9.3	9.1	9.2	17	26	e7.6	37	85	48	e14
3	86	15	8.4	9.1	8.7	15	24	e7.3	49	80	47	e12
4	76	14	7.3	8.9	8.3	15	21	e8.0	80	70	42	e12
5	69	14	6.6	8.8	8.1	14	19	e9.8	77	62	37	e14
6	65	13	6.3	8.6	7.7	13	17	10	73	55	33	e18
7	58	11	6.2	8.3	7.5	12	16	10	68	48	31	e18
8	50	11	6.1	8.1	7.4	12	17	10	62	42	30	18
9	45	9.9	6.0	7.9	7.5	12	16	9.8	61	38	29	17
10	40	8.7	6.0	7.6	7.2	13	15	9.5	64	41	30	17
11	38	8.0	6.0	7.1	6.6	13	14	9.1	62	42	28	16
12	38	8.5	5.5	6.9	5.7	12	12	8.7	92	41	27	15
13	36	8.5	5.0	6.5	5.4	11	12	8.4	97	60	30	14
14	33	8.7	4.6	14	5.5	10	10	7.7	85	87	61	13
15	32	9.0	3.9	22	5.6	10	9.1	7.3	74	87	72	11
16	31	8.6	3.4	23	5.2	11	8.0	6.8	68	80	62	9.9
17	28	8.2	3.2	23	4.9	20	7.8	6.4	64	70	53	9.2
18	26	7.6	3.1	21	4.8	35	7.6	e6.4	59	69	47	8.4
19	26	7.5	3.1	20	4.4	34	7.5	e6.2	53	68	41	7.7
20	29	7.5	2.9	19	4.1	31	7.3	e6.0	48	68	36	7.6
21	31	7.2	2.7	18	3.9	29	7.1	e5.8	44	60	31	12
22	30	7.1	2.6	17	3.9	28	7.1	e5.6	50	53	28	16
23	28	7.6	2.6	17	3.8	30	7.0	e5.4	52	48	25	18
24	25	7.9	2.6	15	3.8	30	7.0	e5.1	50	45	22	19
25	24	11	3.6	13	3.8	33	7.0	e4.9	47	42	20	18
26	22	11	8.8	13	3.9	47	6.9	e5.1	43	37	18	16
27	21	10	11	13	9.6	48	6.9	e5.1	50	32	17	37
28	19	12	11	12	21	44	e7.3	e5.0	77	29	e16	83
29	19	11	11	12	---	37	e6.7	e6.5	87	31	e16	106
30	18	11	10	11	---	32	e6.5	e24	92	51	e15	88
31	17	---	9.7	10	---	29	---	e32	---	54	e15	---
TOTAL	1,255	306.5	188.5	399.3	186.9	717	363.8	266.5	1,898	1,763	1,060	678.8
MEAN	40.5	10.2	6.08	12.9	6.67	23.1	12.1	8.60	63.3	56.9	34.2	22.6
MAX	99	16	11	23	21	48	28	32	97	88	72	106
MIN	17	7.1	2.6	6.5	3.8	10	6.5	4.9	33	29	15	7.6
CFSM	1.97	0.50	0.30	0.63	0.32	1.12	0.59	0.42	3.07	2.76	1.66	1.10
IN.	2.27	0.55	0.34	0.72	0.34	1.29	0.66	0.48	3.43	3.18	1.91	1.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2005, BY WATER YEAR (WY)

MEAN	20.0	7.69	12.4	9.59	8.00	11.1	3.39	1.86	11.3	20.7	26.0	41.0
MAX	54.1	23.5	44.8	34.1	41.2	42.7	12.1	8.60	63.3	56.9	72.3	114
(WY)	(2000)	(2000)	(1998)	(1998)	(1998)	(1998)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	0.17	0.11	0.10	0.11	0.13	0.19	0.14	0.07	0.07	0.63	0.22	1.09
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(1999)	(1999)	(2002)	(2000)	(2000)	(1999)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1997 - 2005

ANNUAL TOTAL	8,931.00	9,083.3	
ANNUAL MEAN	24.4	24.9	14.4
HIGHEST ANNUAL MEAN			24.9
LOWEST ANNUAL MEAN			6.43
HIGHEST DAILY MEAN	212	Sep 6	212
LOWEST DAILY MEAN	0.06	Apr 18	*0.02
ANNUAL SEVEN-DAY MINIMUM	0.11	Jun 3	0.03
MAXIMUM PEAK FLOW			236
MAXIMUM PEAK STAGE			59.75
INSTANTANEOUS LOW FLOW			a0.00
ANNUAL RUNOFF (CFSM)	1.18	1.21	0.701
ANNUAL RUNOFF (INCHES)	16.13	16.40	9.53
10 PERCENT EXCEEDS	77	62	44
50 PERCENT EXCEEDS	7.6	15	3.7
90 PERCENT EXCEEDS	0.24	5.8	0.11

e Estimated

* Jun 7, 8, 1999, May 28, 2002

a May 4, 9-11, 28, 2002

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02234324 HOWELL CREEK NEAR SLAVIA, FL

LOCATION.--Lat 28° 38'51", long 81° 15'53", in SE 1/4 sec.24, T.21 S., R.30 E., Seminole County, Hydrologic Unit 03080101, on upstream side of bridge on Red Bug Lake Road, 0.2 mi east of Tuskawilla Road, 2.1 mi west of Slavia, and 4.6 mi upstream from mouth.

DRAINAGE AREA.--29.2 mi².

PERIOD OF RECORD.--February 1972 to September 1979, October 1980 to January 1981 (discharge measurements only), February 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (Florida Department of Transportation bench mark). Prior to Oct. 1, 1980, at same site and datum. Oct. 1, 1980 to Mar. 20, 1992, at site 150 ft upstream at same datum. Mar. 20, 1992 to June 12, 2003, at site 75 ft upstream at same datum.

REMARKS.--Records fair. Some regulation by retention ponds in urban areas upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	249	35	20	18	16	26	68	8.6	42	182	99	20
2	232	34	20	18	15	25	63	7.2	51	180	94	21
3	207	33	19	18	15	26	56	6.4	150	161	86	20
4	185	32	17	17	15	28	50	10	138	142	78	18
5	174	32	16	17	14	26	45	15	137	128	69	16
6	160	30	15	16	13	24	41	16	139	114	62	17
7	138	28	15	16	13	23	40	16	131	100	59	27
8	120	27	15	15	13	22	42	16	122	87	56	27
9	106	25	15	15	12	21	37	15	121	78	54	27
10	95	23	15	14	12	24	34	15	126	77	51	26
11	99	22	15	14	11	22	30	14	135	69	47	24
12	91	22	13	13	9.6	21	28	13	166	65	49	22
13	83	21	12	13	8.7	19	26	12	205	76	49	20
14	75	22	12	27	8.1	18	22	11	195	101	55	18
15	74	20	10	30	7.8	18	19	11	172	109	66	16
16	68	19	9.5	31	7.6	21	16	9.7	150	113	71	15
17	62	19	9.2	31	7.3	40	14	8.9	133	111	69	13
18	58	18	9.0	29	6.6	54	12	8.3	118	103	81	12
19	55	17	9.1	28	5.8	54	11	7.5	105	106	73	11
20	61	17	8.4	27	5.4	54	9.7	6.8	92	99	64	12
21	56	16	7.4	26	5.0	54	8.9	6.3	82	94	55	18
22	54	16	7.2	25	5.0	54	8.1	5.6	97	87	48	17
23	52	16	7.2	25	4.9	62	7.6	5.0	114	79	43	25
24	49	16	7.6	23	4.7	60	7.4	4.7	107	72	38	25
25	47	20	13	22	4.6	71	6.1	4.0	117	65	34	23
26	45	19	21	21	4.5	96	5.5	3.4	103	60	31	22
27	43	19	19	20	17	97	6.6	3.1	157	54	28	23
28	41	22	18	19	25	96	5.7	3.7	232	48	26	67
29	39	21	18	18	---	86	5.1	3.5	204	45	26	105
30	38	20	18	18	---	78	5.1	3.4	203	61	23	114
31	37	---	18	17	---	72	---	29	---	81	22	---
TOTAL	2,893	681	428.6	641	286.6	1,392	729.8	299.1	4,044	2,947	1,706	821
MEAN	93.3	22.7	13.8	20.7	10.2	44.9	24.3	9.65	135	95.1	55.0	27.4
MAX	249	35	21	31	25	97	68	29	232	182	99	114
MIN	37	16	7.2	13	4.5	18	5.1	3.1	42	45	22	11
CFSM	3.20	0.78	0.47	0.71	0.35	1.54	0.83	0.33	4.62	3.26	1.88	0.94
IN.	3.69	0.87	0.55	0.82	0.37	1.77	0.93	0.38	5.15	3.75	2.17	1.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY)

	2004	2005	1998	1999	2000	2001	2002	2003	2004	2005		
MEAN	34.7	21.4	20.7	22.1	20.1	20.9	18.1	11.2	25.2	46.7	52.3	58.3
MAX	93.3	91.5	71.0	62.2	61.9	78.8	74.9	49.5	135	156	144	286
(WY)	(2005)	(1995)	(1998)	(1986)	(1998)	(1998)	(1987)	(1976)	(2005)	(1974)	(1995)	(2004)
MIN	3.35	1.45	1.38	1.25	1.14	1.87	1.57	1.09	1.31	3.01	5.79	4.88
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(1999)	(2000)	(2000)	(1998)	(1999)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1972 - 2005

ANNUAL TOTAL	20,343.8	16,869.1		
ANNUAL MEAN	55.6	46.2		29.5
HIGHEST ANNUAL MEAN				54.1
LOWEST ANNUAL MEAN				9.55
HIGHEST DAILY MEAN	505	Sep 6	249	Oct 1
LOWEST DAILY MEAN	e2.1	Apr 26-29	3.1	May 27
ANNUAL SEVEN-DAY MINIMUM	2.2	Apr 23	3.7	May 24
MAXIMUM PEAK FLOW			403	Jun 3
MAXIMUM PEAK STAGE			34.79	Jun 27
INSTANTANEOUS LOW FLOW			3.1	May 27,28,30
ANNUAL RUNOFF (CFSM)	1.90		1.58	
ANNUAL RUNOFF (INCHES)	25.92		21.49	
10 PERCENT EXCEEDS	201		114	68
50 PERCENT EXCEEDS	17		25	18
90 PERCENT EXCEEDS	4.7		7.6	3.4

e Estimated

* May 27, Jun 2-4, 2000

02234344 HOWELL CREEK AT STATE HIGHWAY 434 NEAR OVIEDO, FL

(Formerly published as Howell Creek at State Highway 419 near Oviedo, FL)

LOCATION.--Lat 28° 41' 23", long 81° 14' 52", in SE $\frac{1}{4}$ sec. 6, T. 21 S., R. 30 E., Seminole County, Hydrologic Unit 03080101, on upstream headwall of culverts on State Highway 434, 1.0 mi upstream from mouth and 2.8 mi northwest of Oviedo.

DRAINAGE AREA.--52.0 mi².

PERIOD OF RECORD.--May 1973 to August 1979 (discharge measurements only), June 1999 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929.

REMARKS.--Records fair. Some regulation from retention ponds upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	414	82	51	48	43	70	76	38	86	267	127	59
2	401	80	50	47	42	57	73	34	76	237	118	71
3	336	77	48	46	43	52	67	29	170	224	112	72
4	291	74	46	45	43	55	61	36	316	200	108	60
5	270	73	45	45	42	51	57	55	206	180	98	54
6	266	70	44	44	40	48	54	49	167	162	92	56
7	252	66	44	44	39	45	53	42	147	144	97	89
8	224	63	44	43	39	44	60	38	127	129	102	89
9	203	62	44	42	38	45	55	35	117	126	104	79
10	188	61	44	41	38	54	50	33	133	143	102	75
11	189	61	45	40	37	48	46	32	155	130	116	68
12	200	62	43	40	35	44	43	31	203	120	108	62
13	184	59	40	39	34	41	42	29	234	125	108	58
14	168	62	39	69	33	40	40	28	195	170	98	54
15	163	58	38	114	33	40	38	27	169	155	107	51
16	160	56	38	83	32	43	35	26	168	148	104	48
17	148	53	38	72	32	81	33	25	157	143	98	47
18	138	52	38	65	31	144	31	24	142	152	123	45
19	131	51	37	61	30	104	30	23	125	159	243	43
20	169	50	36	58	29	82	29	22	112	214	174	45
21	161	49	34	56	29	75	28	22	104	164	121	86
22	139	48	34	55	29	72	27	21	129	145	100	77
23	126	48	34	54	32	85	27	20	149	129	87	94
24	117	47	36	51	38	90	27	20	158	115	81	120
25	110	54	46	50	33	102	25	19	176	105	77	82
26	105	55	85	49	32	178	24	18	198	96	77	73
27	100	51	67	48	65	139	27	17	174	88	70	69
28	96	57	57	47	102	111	25	21	376	82	65	116
29	92	55	53	46	---	96	24	20	364	77	65	180
30	89	52	51	45	---	85	23	19	333	103	61	161
31	86	---	49	44	---	78	---	83	---	120	60	---
TOTAL	5,716	1,788	1,398	1,631	1,093	2,299	1,230	936	5,366	4,552	3,203	2,283
MEAN	184	59.6	45.1	52.6	39.0	74.2	41.0	30.2	179	147	103	76.1
MAX	414	82	85	114	102	178	76	83	376	267	243	180
MIN	86	47	34	39	29	40	23	17	76	77	60	43
CFSM	3.55	1.15	0.87	1.01	0.75	1.43	0.79	0.58	3.44	2.82	1.99	1.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

	1999	2000	2001	2002	2003	2004	2005
MEAN	97.1	52.2	55.3	50.7	36.3	41.4	22.4
MAX	184	105	165	154	65.9	90.7	42.3
(WY)	(2005)	(2000)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	12.9	8.59	9.88	8.85	8.54	12.3	10.3
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2000)	(2000)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1999 - 2005
ANNUAL TOTAL	39,309.5	31,495	
ANNUAL MEAN	107	86.3	73.2
HIGHEST ANNUAL MEAN			99.8
LOWEST ANNUAL MEAN			37.1
HIGHEST DAILY MEAN	878	Sep 6	878
LOWEST DAILY MEAN	9.7	Apr 29	3.1
ANNUAL SEVEN-DAY MINIMUM	9.9	Apr 23	5.0
MAXIMUM PEAK FLOW			977
MAXIMUM PEAK STAGE		9.99	11.16
INSTANTANEOUS LOW FLOW		17	2.6
ANNUAL RUNOFF (CFSM)	2.07	1.66	1.41
10 PERCENT EXCEEDS	337	169	172
50 PERCENT EXCEEDS	44	61	40
90 PERCENT EXCEEDS	12	31	9.4

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02234384 SOLDIER CREEK NEAR LONGWOOD, FL

LOCATION.--Lat 28° 43'07", long 81° 18'32", in SW 1/4 sec.27, T.20 S., R.30 E., Seminole County, Hydrologic Unit 03080101, on left downstream side of culvert on State Highway 419, 50 ft upstream from CSX railroad bridge, 2.5 mi northeast of Longwood, and 1.2 mi upstream from mouth.

DRAINAGE AREA.--21.2 mi².

PERIOD OF RECORD.--February 1972 to September 1975, October 1975 to September 1977 (discharge measurements only), October 1977 to September 1979, October 1980 to September 1986 (discharge measurements only), October 1986 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (levels by Seminole County Engineer). Nov. 5, 1975 to July 26, 1977 and Oct. 1, 1980 to Sept. 30, 1986, nonrecording gage at same site and datum.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Since about 1980, some regulation by retention ponds in headwaters.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	63	18	4.2	7.1	7.0	12	9.3	e4.9	28	79	e37	14
2	60	17	4.1	6.8	6.9	6.7	8.3	e4.3	15	71	e34	18
3	57	16	3.8	6.9	6.9	7.2	e8.6	e4.2	60	59	e30	23
4	55	15	3.6	6.8	7.2	8.0	e9.0	e10	72	50	e28	25
5	54	14	3.5	6.8	e6.6	7.2	e9.6	e13	62	47	e26	20
6	52	13	3.4	6.9	e6.4	6.9	e10	e9.4	65	37	e25	27
7	51	12	3.5	7.0	e6.3	e7.3	e11	e7.0	48	31	e25	47
8	47	11	3.3	7.0	e6.2	e7.2	e8.8	e5.5	39	29	e25	36
9	45	10	3.3	6.7	e6.1	e7.4	e8.5	e4.3	43	32	e25	30
10	43	9.7	3.6	6.6	e6.0	e7.9	e8.2	e4.1	39	34	46	26
11	45	9.5	3.5	6.4	e5.6	e8.4	e8.0	3.8	56	35	46	22
12	45	9.5	3.3	6.4	e5.3	e8.7	e7.7	3.8	109	43	32	19
13	42	8.7	3.2	e8.8	e5.2	e8.4	e7.5	3.5	65	40	26	16
14	40	8.8	3.0	e14	e5.1	e8.4	e7.2	3.4	48	38	23	14
15	39	8.0	2.9	16	e5.1	e8.4	e6.3	3.3	42	32	21	12
16	37	7.2	2.8	15	e5.2	e8.4	e5.6	3.1	69	28	18	11
17	35	6.6	2.7	14	e5.1	e31	e5.0	3.4	83	25	16	10
18	33	6.3	2.9	13	e5.0	18	e4.6	3.6	69	23	17	9.7
19	31	5.9	2.7	12	e4.9	9.6	e4.2	3.2	56	22	15	8.9
20	31	5.4	2.6	12	e4.9	8.3	e3.9	e3.4	48	20	13	11
21	31	4.6	e4.5	11	e5.8	7.8	e3.8	e3.7	44	17	12	17
22	31	4.6	e4.7	10	e6.6	7.7	e3.5	3.4	39	15	11	21
23	29	4.3	e4.9	11	e6.8	8.5	e3.4	e3.6	34	15	9.8	34
24	27	4.1	3.2	9.6	e7.0	7.7	e3.2	e3.0	32	e18	9.7	30
25	25	6.0	8.5	9.0	e7.3	e46	e3.1	e2.7	43	e28	12	23
26	25	5.0	12	8.5	e10	35	e3.0	e2.6	43	e28	12	19
27	23	4.7	9.1	8.1	e18	22	e3.2	e2.5	52	e26	9.9	28
28	22	5.3	8.4	7.7	21	16	e3.2	3.6	82	e24	11	75
29	21	4.7	8.1	7.4	---	13	e3.1	e2.4	81	e25	11	63
30	20	4.5	7.7	7.3	---	11	e3.8	e2.5	88	e31	11	45
31	19	---	7.3	7.1	---	9.9	---	e28	---	e36	11	---
TOTAL	1,178	259.4	144.3	282.9	199.5	380.0	184.6	159.2	1,654	1,038	648.4	754.6
MEAN	38.0	8.65	4.65	9.13	7.12	12.3	6.15	5.14	55.1	33.5	20.9	25.2
MAX	63	18	12	16	21	46	11	28	109	79	46	75
MIN	19	4.1	2.6	6.4	4.9	6.7	3.0	2.4	15	15	9.7	8.9
CFSM	1.79	0.41	0.22	0.43	0.34	0.58	0.29	0.24	2.60	1.58	0.99	1.19
IN.	2.07	0.46	0.25	0.50	0.35	0.67	0.32	0.28	2.90	1.82	1.14	1.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY)

MEAN	13.5	9.83	9.56	10.9	10.3	11.8	5.88	3.81	10.8	18.4	19.6	25.0
MAX	46.3	51.0	35.2	31.5	41.8	48.0	25.1	28.5	55.1	56.7	44.0	80.2
(WY)	(1996)	(1995)	(1998)	(1996)	(1998)	(1998)	(1996)	(1991)	(2005)	(1978)	(2003)	(2004)
MIN	1.73	1.25	0.63	0.83	1.13	1.50	1.30	0.60	0.51	1.94	1.20	1.32
(WY)	(1973)	(2001)	(2001)	(2001)	(1991)	(2000)	(2000)	(1990)	(1998)	(1972)	(1999)	(1990)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1972 - 2005

ANNUAL TOTAL	6,139.57	6,882.9	
ANNUAL MEAN	16.8	18.9	12.5
HIGHEST ANNUAL MEAN			21.7
LOWEST ANNUAL MEAN			3.23
HIGHEST DAILY MEAN	231	Sep 6	411
LOWEST DAILY MEAN	e0.70	Jun 1,23,24,30	0.11
ANNUAL SEVEN-DAY MINIMUM	0.82	Jun 18	0.23
MAXIMUM PEAK FLOW			605
MAXIMUM PEAK STAGE			14.41
INSTANTANEOUS LOW FLOW			0.05
ANNUAL RUNOFF (CFSM)	0.791	0.889	0.588
ANNUAL RUNOFF (INCHES)	10.77	12.08	7.99
10 PERCENT EXCEEDS	47	46	30
50 PERCENT EXCEEDS	4.2	10	5.5
90 PERCENT EXCEEDS	1.0	3.5	1.1

e Estimated

02234400 GEE CREEK NEAR LONGWOOD, FL

LOCATION.--Lat 28° 42'14", long 81° 17'27", in SE¹/₄ sec.38, T.20 S., R.30 E., Seminole County, Hydrologic Unit 03080101, at center downstream side of box culverts on State Highway 434, 700 ft upstream from CSX railroad bridge, 1.0 mi upstream from mouth, and 3.5 mi east of Longwood.

DRAINAGE AREA.--12.8 mi².

PERIOD OF RECORD.--February 1972 to September 1979, October 1980 to July 1985 (discharge measurements only), August 1985 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (levels by Seminole County Engineer). Apr. 11, 1978 to Sept. 30, 1979 at site 400 ft upstream at same datum, Oct. 1, 1980 to Aug.11, 1985, nonrecording gage at present site and datum.

REMARKS.--Records fair except for period of estimated daily discharge, which is poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	19	9.0	9.4	15	18	18	3.1	55	99	e23	7.6
2	88	18	8.6	8.8	14	12	18	2.6	43	65	e20	15
3	78	17	8.1	8.4	15	8.8	16	2.4	113	47	e18	16
4	70	17	7.5	8.1	15	8.0	13	8.6	143	37	e17	14
5	64	16	7.2	7.7	22	6.8	11	16	106	39	e16	11
6	58	15	7.1	7.3	18	5.7	9.8	15	82	38	e14	20
7	55	14	7.1	7.1	16	5.0	11	11	73	32	e15	39
8	48	13	6.4	7.2	14	4.5	12	8.8	60	32	e15	34
9	45	12	6.4	6.9	14	6.4	10	7.1	48	28	e16	49
10	42	12	6.6	6.3	13	8.0	8.6	6.1	41	29	e17	35
11	47	13	6.7	6.2	11	7.9	7.1	6.4	52	30	e19	25
12	51	14	6.0	6.4	9.9	6.5	6.1	5.8	102	33	e18	15
13	46	14	5.7	7.6	8.9	5.5	5.8	4.8	85	26	e16	8.0
14	28	14	5.6	24	8.3	5.2	5.1	4.3	84	e30	e15	7.4
15	35	13	5.3	25	7.8	5.3	4.4	4.0	64	e33	e16	6.8
16	39	12	5.1	24	7.4	11	3.8	3.8	44	e30	16	5.9
17	36	11	5.2	19	7.0	46	3.3	3.5	41	e27	13	5.8
18	34	11	5.3	15	6.2	53	2.9	3.3	41	e28	19	5.3
19	32	10	5.3	12	5.7	40	2.8	3.1	32	e29	17	4.9
20	38	9.7	5.2	11	5.4	32	2.6	2.7	28	e35	13	6.4
21	37	9.2	4.8	10	4.8	26	2.5	2.6	29	e33	12	16
22	34	8.8	4.9	9.8	3.2	22	2.3	2.6	30	e27	10	20
23	31	8.6	5.6	10	3.2	23	3.3	2.4	36	e24	9.1	33
24	28	8.5	6.2	8.7	3.5	20	3.8	2.4	39	e21	8.5	32
25	26	11	13	8.3	3.5	36	3.0	2.4	43	e19	8.2	26
26	24	9.7	24	8.3	3.5	52	2.9	2.4	38	e18	8.0	19
27	23	9.1	20	8.4	29	46	3.7	2.5	48	e18	7.6	36
28	22	12	16	7.3	26	39	2.9	5.9	95	e16	7.6	114
29	21	10	13	7.3	---	29	2.5	2.5	99	e16	7.7	139
30	20	9.5	11	7.5	---	23	2.3	2.9	100	e18	7.6	99
31	19	---	10	8.3	---	19	---	47	---	e21	7.8	---
TOTAL	1,312	371.1	257.9	321.3	310.3	630.6	200.5	198.0	1,894	978	427.1	865.1
MEAN	42.3	12.4	8.32	10.4	11.1	20.3	6.68	6.39	63.1	31.5	13.8	28.8
MAX	93	19	24	25	29	53	18	47	143	99	23	139
MIN	19	8.5	4.8	6.2	3.2	4.5	2.3	2.4	28	16	7.6	4.9
CFSM	3.31	0.97	0.65	0.81	0.87	1.59	0.52	0.50	4.93	2.46	1.08	2.25
IN.	3.81	1.08	0.75	0.93	0.90	1.83	0.58	0.58	5.50	2.84	1.24	2.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY)

MEAN	18.5	13.6	12.2	13.8	11.9	13.9	8.38	5.32	15.3	24.0	27.5	32.8
MAX	47.4	67.1	44.0	34.8	62.2	57.1	41.3	35.6	63.1	103	86.7	96.2
(WY)	(1976)	(1995)	(2003)	(1986)	(1998)	(1998)	(1991)	(1991)	(2005)	(1978)	(2003)	(2004)
MIN	2.05	1.64	1.83	1.85	1.82	1.42	1.43	0.82	1.07	1.88	2.01	1.58
(WY)	(1991)	(2001)	(1991)	(1991)	(1991)	(2000)	(1990)	(2004)	(2004)	(1998)	(1999)	(1990)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1972 - 2005

ANNUAL TOTAL	7,465.19	7,765.9	
ANNUAL MEAN	20.4	21.3	16.7
HIGHEST ANNUAL MEAN			31.5
LOWEST ANNUAL MEAN			4.63
HIGHEST DAILY MEAN	262	Sep 6	377
LOWEST DAILY MEAN	e0.00	Jun 1	e0.00
ANNUAL SEVEN-DAY MINIMUM	e0.12	May 28	e0.12
MAXIMUM PEAK FLOW			459
MAXIMUM PEAK STAGE			13.71
INSTANTANEOUS LOW FLOW			2.0
ANNUAL RUNOFF (CFSM)	1.59	1.66	1.30
ANNUAL RUNOFF (INCHES)	21.70	22.57	17.68
10 PERCENT EXCEEDS	52	47	40
50 PERCENT EXCEEDS	7.9	13	8.4
90 PERCENT EXCEEDS	1.0	3.8	2.0

e Estimated

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02234435 LAKE JESUP OUTLET NEAR SANFORD, FL

LOCATION.--Lat 28° 47'02", long 81° 10'53", in NW¹/₄ sec.1, T.20 S., R.31 E., Seminole County, Hydrologic Unit 03080101, near left bank of outlet, 1,300 ft upstream from bridge on State Highway 46, and 5.4 mi east of Sanford.

DRAINAGE AREA.--156 mi².

PERIOD OF RECORD.--August 1941 to July 1948 (gage heights and discharge measurements only), January 1993 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929. August 1941 to April 1943, nonrecording gage and September 1943 to July 1948, water-stage recorder at same site and datum, operated as daily stage for station 02234434, Lake Jesup near Sanford. January 1993 to June 2002, at site 1500 ft downstream at same datum.

REMARKS.--Records fair. No record Oct. 1, 2004 to Jan. 17, 2005, gage destroyed by Hurricane Charley, and Sept. 23-26, 2005, missing stage and velocity data. Maximum discharge for 2005 water year would have occurred during October 2004.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD JANUARY TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	22	-418	-34	296	442	210	727	298
2	---	---	---	---	156	-78	-184	259	308	145	694	447
3	---	---	---	---	-41	260	-69	297	494	-56	622	399
4	---	---	---	---	-562	395	99	131	963	-139	583	407
5	---	---	---	---	33	457	209	-4.3	680	-21	521	216
6	---	---	---	---	194	396	314	-243	484	-16	497	243
7	---	---	---	---	75	554	e242	10	469	-34	509	314
8	---	---	---	---	159	367	e76	-93	457	-83	520	-71
9	---	---	---	---	152	116	e27	70	391	296	435	-44
10	---	---	---	---	-256	349	e58	119	475	333	331	-73
11	---	---	---	---	194	484	e19	130	564	286	214	-181
12	---	---	---	---	334	137	e19	253	334	368	300	71
13	---	---	---	---	375	320	e-104	237	624	261	269	-29
14	---	---	---	---	395	275	e-317	283	486	337	290	20
15	---	---	---	---	327	239	-28	282	229	259	237	119
16	---	---	---	---	430	502	-83	240	41	262	218	159
17	---	---	---	---	337	104	-22	221	297	284	262	241
18	---	---	---	-342	395	-97	136	265	179	347	371	299
19	---	---	---	101	460	20	85	293	173	398	452	338
20	---	---	---	-6.4	510	-10	83	259	100	354	378	326
21	---	---	---	20	402	-13	232	-10	110	452	371	441
22	---	---	---	253	442	77	283	12	-53	422	430	247
23	---	---	---	-464	514	35	382	-3.5	-81	363	399	---
24	---	---	---	320	496	-138	247	-22	61	492	335	---
25	---	---	---	241	36	-145	450	-130	247	574	351	---
26	---	---	---	265	-74	39	402	203	-17	546	698	---
27	---	---	---	128	632	193	474	136	-53	509	475	286
28	---	---	---	222	-396	-229	348	202	67	547	467	466
29	---	---	---	377	---	-405	492	208	121	443	427	485
30	---	---	---	-182	---	-150	316	140	124	532	306	435
31	---	---	---	-99	---	-104	---	479	---	564	243	---
TOTAL	---	---	---	---	5,741	3,532	4,152	4,519.2	8,716	9,235	12,932	---
MEAN	---	---	---	---	205	114	138	146	291	298	417	---
MAX	---	---	---	---	632	554	492	479	963	574	727	---
MIN	---	---	---	---	-562	-418	-317	-243	-81	-139	214	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

MEAN	140	242	238	231	181	147	152	81.7	161	221	86.8	136
MAX	521	434	589	525	474	579	514	356	667	779	519	578
(WY)	(2003)	(1996)	(1995)	(1995)	(2003)	(1998)	(1998)	(1993)	(1993)	(1993)	(1994)	(2002)
MIN	-442	54.9	-131	-59.4	-62.0	5.29	-89.6	-41.9	-51.1	-24.0	-264	-580
(WY)	(2000)	(2002)	(1998)	(1993)	(1999)	(2001)	(1999)	(2002)	(2004)	(1997)	(2001)	(2001)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1993 - 2005

ANNUAL TOTAL	9,159.3	55,519.8		
ANNUAL MEAN	40.7	220	166	
HIGHEST ANNUAL MEAN			*398	1994
LOWEST ANNUAL MEAN			-49.9	2001
HIGHEST DAILY MEAN	618	Mar 9	963	Jun 4
LOWEST DAILY MEAN	-1,040	Feb 27, 28	-562	Feb 4
ANNUAL SEVEN-DAY MINIMUM	-361	Feb 26	-168	Mar 28
MAXIMUM PEAK STAGE				7.30
10 PERCENT EXCEEDS	348		495	498
50 PERCENT EXCEEDS	98		250	190
90 PERCENT EXCEEDS	-350		-82	-194

e Estimated

* Highest annual mean based on partial water year record

Note.--Negative figures indicate reverse flow

02234440 ST. JOHNS RIVER AT STATE HIGHWAY 415 NEAR SANFORD, FL

LOCATION.--Lat 28° 48'08", long 81° 12'34", in SW¹/₄ sec.27, T.19 S., R.31 E., Seminole County, Hydrologic Unit 03080101, near left bank, 200 ft upstream from State Highway 415, 1.1 mi north of State Highway 46, 3.8 mi east of Sanford, and 169 mi upstream from mouth.

DRAINAGE AREA.--2,600 mi².

PERIOD OF RECORD.--January to September 2005.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929 (levels by St. Johns River Water Management District).

REMARKS.--Records fair.

EXTREMES FOR PERIOD JANUARY TO SEPTEMBER 2005.--Maximum daily discharge, 6,000 ft³/s, July 10; maximum gage height, 4.49 ft, July 23; minimum daily reverse flow, -618 ft³/s, Mar. 1; minimum gage height, 0.66 ft, Mar. 16.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD JANUARY TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	1,290	-618	2,940	1,880	1,000	4,880	5,590	3,980
2	---	---	---	---	1,310	522	2,310	1,750	970	5,050	5,290	4,100
3	---	---	---	---	1,270	1,050	2,530	1,770	1,220	5,070	5,300	4,220
4	---	---	---	---	-49	1,300	2,810	1,440	1,630	5,220	5,130	4,090
5	---	---	---	---	790	1,320	2,970	1,300	1,710	5,350	5,190	3,590
6	---	---	---	---	1,210	1,400	3,110	771	1,690	5,550	5,030	3,540
7	---	---	---	---	995	1,550	3,020	1,120	1,800	5,560	5,250	3,390
8	---	---	---	---	1,030	950	2,770	1,030	1,870	5,600	5,300	2,730
9	---	---	---	---	1,230	1,090	2,660	1,260	1,940	5,740	5,410	3,250
10	---	---	---	---	338	1,280	2,540	1,250	2,230	6,000	5,440	3,150
11	---	---	---	---	700	1,340	2,550	1,340	2,290	5,710	5,610	3,130
12	---	---	---	---	1,300	1,110	2,490	1,520	1,700	5,700	5,570	3,380
13	---	---	---	---	1,590	1,380	2,020	1,570	2,260	5,530	5,600	3,420
14	---	---	---	---	1,590	1,320	2,030	1,610	2,230	5,680	5,630	3,580
15	---	---	---	---	1,540	1,230	1,850	1,600	2,390	5,670	5,710	3,690
16	---	---	---	---	1,530	1,410	1,650	1,530	2,730	5,750	5,730	3,680
17	---	---	---	---	1,490	1,130	1,640	1,450	2,900	5,600	5,660	3,710
18	---	---	---	844	1,540	732	1,690	1,430	2,940	5,630	5,720	3,710
19	---	---	---	1,360	1,680	875	1,740	1,390	3,100	5,740	5,820	3,700
20	---	---	---	1,560	1,730	1,030	1,800	1,280	3,160	5,740	5,500	3,830
21	---	---	---	1,770	1,540	1,250	1,860	921	3,320	5,880	5,540	3,840
22	---	---	---	1,980	1,540	1,440	1,930	769	3,090	5,810	5,460	3,780
23	---	---	---	1,160	1,610	1,380	1,980	576	3,140	5,650	5,430	3,730
24	---	---	---	1,900	1,510	1,470	1,700	399	3,520	5,660	5,030	3,810
25	---	---	---	1,870	973	1,850	2,260	555	3,710	5,560	4,910	3,690
26	---	---	---	1,970	521	2,330	2,030	922	3,950	5,790	5,330	3,590
27	---	---	---	1,960	898	2,660	2,080	723	4,010	5,670	4,920	3,660
28	---	---	---	2,160	-462	2,070	2,190	716	3,070	5,570	4,600	3,900
29	---	---	---	2,080	---	2,260	2,120	708	2,340	5,390	4,430	3,930
30	---	---	---	1,260	---	2,660	2,020	779	4,670	5,280	4,190	3,920
31	---	---	---	1,180	---	2,820	---	864	---	5,270	4,050	---

Note.--Negative figures indicate reverse flow

02234500 ST. JOHNS RIVER NEAR SANFORD, FL

LOCATION.--Lat 28° 50'16", long 81° 19'28", in SW¹/₄ sec.16, T.19 S., R.30 E., Seminole County, Hydrologic Unit 03080101, near center of channel on bridge pile under U.S. Highways 17 and 92, at outlet of Lake Monroe, 4 mi northwest of Sanford, and 161 mi upstream from mouth.

DRAINAGE AREA.--2,582 mi².

PERIOD OF RECORD.--August 1941 to June 1956 (discharge measurement only), October 1964 to September 1968 (gage heights and miscellaneous discharge measurements only), May 1987 to September 1989, March 1995 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is .09 ft below NGVD of 1929.

REMARKS.--Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since at least 1871, 13.37 ft in the fall of 1880, from information by Fred T. Williams, former city engineer for Sanford. Since July 1941: Maximum daily gage height, 8.59 ft, Oct. 5-17, 1953; minimum daily, -0.43 ft, Apr. 5, 1945 (published as elevations for Lake Monroe near Sanford).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10,800	9,550	5,300	2,420	1,190	-299	2,850	2,000	1,180	4,330	5,430	4,110
2	11,000	9,350	5,000	2,400	1,100	632	2,300	1,830	1,340	4,460	5,390	4,130
3	11,300	9,230	4,970	2,480	1,070	1,360	2,100	2,060	1,450	4,620	5,300	3,970
4	11,300	e9,060	4,770	2,500	-24	1,660	2,620	1,480	1,770	4,810	5,110	3,850
5	11,300	e8,900	4,790	2,470	648	1,630	2,920	1,100	1,820	4,920	5,090	3,450
6	11,400	e8,740	4,650	2,380	948	1,780	3,050	250	1,950	5,010	5,020	3,320
7	11,100	8,570	4,600	2,520	934	2,060	2,990	1,110	2,080	5,190	e5,020	3,050
8	11,100	8,480	4,540	2,420	1,090	1,470	2,500	1,070	2,150	5,000	e5,020	2,570
9	11,200	8,280	4,470	2,300	1,190	1,510	2,400	1,500	2,080	5,480	e5,010	2,300
10	11,200	8,140	4,580	2,160	816	1,430	2,210	1,660	2,100	5,280	e5,020	2,580
11	11,100	7,970	4,160	1,930	633	1,330	2,260	1,610	2,080	5,170	e5,040	2,640
12	11,100	7,900	3,980	2,010	1,420	1,410	2,210	1,870	2,040	5,060	e5,050	3,060
13	10,900	7,840	4,030	1,920	1,850	1,700	2,060	1,940	2,320	5,070	e5,060	3,090
14	10,700	7,660	3,850	1,370	2,020	1,880	2,020	1,840	2,240	5,350	e5,080	3,380
15	10,800	7,240	3,480	518	2,030	1,630	1,390	1,960	1,970	5,300	e5,080	3,620
16	10,800	6,910	3,520	-584	2,040	1,470	1,180	1,800	2,110	5,460	e5,100	3,670
17	10,700	6,850	3,430	-98	2,050	1,040	1,150	1,880	2,580	5,580	e5,110	3,830
18	10,700	6,850	3,170	298	1,790	-73	1,590	1,790	2,700	5,710	e5,120	3,930
19	10,600	6,800	2,730	857	1,910	494	1,930	1,600	2,780	5,580	e5,130	3,830
20	10,600	6,600	2,760	1,320	2,000	1,050	1,980	1,570	2,620	5,570	e5,140	3,920
21	10,800	6,510	3,030	1,710	2,090	1,300	2,260	1,100	2,530	5,750	e5,160	3,940
22	10,500	6,550	3,270	2,010	2,060	1,620	2,110	784	2,890	5,640	e5,150	3,770
23	e10,500	6,440	3,010	1,510	2,000	1,250	2,470	603	3,110	5,670	5,140	3,810
24	e10,400	6,390	2,780	1,440	1,770	1,580	2,110	755	2,900	5,880	5,020	3,750
25	e10,300	5,990	2,620	1,640	1,160	1,860	2,570	1,130	3,410	5,730	5,120	3,780
26	10,300	5,840	1,940	1,890	-167	1,950	2,720	943	3,660	5,660	4,950	3,670
27	10,000	5,850	1,790	2,120	580	2,170	2,320	1,040	3,740	5,670	4,880	3,570
28	9,760	5,640	1,900	1,870	-584	1,500	2,450	953	3,710	5,610	4,480	3,560
29	9,750	5,570	1,910	1,660	---	1,990	2,690	1,110	3,840	5,430	4,360	4,100
30	9,510	5,520	2,140	1,170	---	2,470	2,630	1,100	3,920	5,540	4,260	3,840
31	9,500	---	2,300	1,030	---	2,570	---	1,100	---	5,550	4,130	---
TOTAL	331,020	221,220	109,470	51,641	35,614	45,424	68,040	42,538	75,070	165,080	154,970	106,090
MEAN	10,680	7,374	3,531	1,666	1,272	1,465	2,268	1,372	2,502	5,325	4,999	3,536
MAX	11,400	9,550	5,300	2,520	2,090	2,570	3,050	2,060	3,920	5,880	5,430	4,130
MIN	9,500	5,520	1,790	-584	-584	-299	1,150	250	1,180	4,330	4,130	2,300
CFSM	4.14	2.86	1.37	0.65	0.49	0.57	0.88	0.53	0.97	2.06	1.94	1.37
IN.	4.77	3.19	1.58	0.74	0.51	0.65	0.98	0.61	1.08	2.38	2.23	1.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

MEAN	4,568	3,811	2,712	2,559	1,849	1,838	1,514	908	935	1,865	2,667	3,660
MAX	10,680	7,981	4,908	7,189	6,278	8,408	5,599	3,016	2,502	5,325	8,180	8,748
(WY)	(2005)	(2000)	(2000)	(1998)	(1998)	(1998)	(1998)	(1998)	(2005)	(2005)	(2002)	(2002)
MIN	1,344	1,550	714	457	214	-26.0	-383	-482	381	212	192	517
(WY)	(2001)	(2001)	(2001)	(1997)	(1999)	(1997)	(1997)	(2002)	(2000)	(2000)	(2000)	(2000)

02234500 ST. JOHNS RIVER NEAR SANFORD, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1987 - 2005	
ANNUAL TOTAL	1,197,514.47		1,406,177			
ANNUAL MEAN	3,272		3,853		2,375	
HIGHEST ANNUAL MEAN					3,853 2005	
LOWEST ANNUAL MEAN					951 1999	
HIGHEST DAILY MEAN	11,400	Oct 6	11,400	Oct 6	11,400 Oct 6, 2004	
LOWEST DAILY MEAN	-1,050	Jan 11	-584	Jan 16, Feb 28	-2,160 May 22, 2002	
ANNUAL SEVEN-DAY MINIMUM	-278	Apr 30	383	Feb 25	-1,640 May 19, 2002	
MAXIMUM PEAK FLOW					*17,500 Oct 14, 1953	
MAXIMUM PEAK STAGE			7.51 Oct 5			
ANNUAL RUNOFF (CFSM)	1.27		1.49		0.920	
ANNUAL RUNOFF (INCHES)	17.25		20.26		12.50	
10 PERCENT EXCEEDS	9,770		8,800		5,760	
50 PERCENT EXCEEDS	1,530		2,850		1,730	
90 PERCENT EXCEEDS	86		1,110		168	

e Estimated

* Measured

Note.--Negative figures indicate reverse flow

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.42	6.43	4.30	2.46	2.36	1.78	2.39	1.83	1.85	3.85	4.32	3.74
2	7.46	6.37	4.21	2.41	2.37	1.85	2.34	1.78	1.85	3.94	4.29	3.71
3	7.47	6.31	4.12	2.34	2.41	1.83	2.39	1.76	1.93	4.01	4.25	3.70
4	7.47	6.24	4.04	2.28	2.42	1.77	2.43	1.81	2.14	4.06	4.21	3.66
5	7.46	6.15	3.95	2.22	2.47	1.68	2.43	1.90	2.15	4.11	4.18	3.69
6	7.45	6.06	3.89	2.16	2.52	1.60	2.41	2.01	2.18	4.14	4.15	3.66
7	7.43	5.98	3.81	2.09	2.54	1.51	2.38	2.13	2.18	4.15	4.14	3.77
8	7.38	5.91	3.72	2.01	2.54	1.35	2.39	2.15	2.17	4.17	4.13	3.84
9	7.35	5.83	3.63	1.94	2.53	1.37	2.40	2.15	2.16	4.24	4.14	3.96
10	7.33	5.77	3.54	1.89	2.46	1.34	2.41	2.12	2.18	4.30	4.15	4.09
11	7.32	5.69	3.42	1.84	2.43	1.30	2.44	2.07	2.20	4.31	4.20	4.15
12	7.30	5.63	3.33	1.82	2.44	1.25	2.45	2.05	2.33	4.38	4.19	4.17
13	7.25	5.57	3.25	1.80	2.41	1.20	2.42	2.01	2.43	4.44	4.20	4.16
14	7.20	5.53	3.14	1.81	2.35	1.12	2.44	1.95	2.44	4.47	4.19	4.15
15	7.16	5.45	3.02	1.88	2.27	1.04	2.42	1.89	2.45	4.50	4.19	4.14
16	7.12	5.39	2.96	2.07	2.19	1.02	2.47	1.83	2.57	4.53	4.17	4.11
17	7.07	5.33	2.93	2.23	2.08	1.12	2.53	1.78	2.76	4.53	4.14	4.07
18	7.02	5.27	2.88	2.32	1.97	1.30	2.60	1.71	2.79	4.53	4.11	4.02
19	6.97	5.22	2.79	2.40	1.90	1.46	2.62	1.66	2.83	4.52	4.11	3.97
20	6.93	5.15	2.72	2.42	1.83	1.54	2.59	1.62	2.87	4.54	4.11	3.92
21	6.92	5.09	2.69	2.43	1.71	1.58	2.54	1.61	2.91	4.53	4.10	3.92
22	6.87	5.02	2.62	2.41	1.59	1.60	2.47	1.67	3.01	4.49	4.07	3.91
23	6.82	4.94	2.55	2.37	1.49	1.63	2.40	1.70	3.11	4.47	4.03	3.91
24	6.77	4.86	2.49	2.37	1.40	1.67	2.30	1.69	3.15	4.49	4.02	3.91
25	6.74	4.76	2.46	2.38	1.35	1.75	2.26	1.73	3.23	4.45	4.02	3.88
26	6.71	4.68	2.45	2.36	1.40	2.02	2.19	1.72	3.31	4.41	3.98	3.83
27	6.66	4.60	2.51	2.33	1.65	2.15	2.11	1.73	3.36	4.37	3.94	3.78
28	6.61	4.53	2.54	2.32	1.73	2.17	2.05	1.70	3.46	4.33	3.89	3.80
29	6.58	4.45	2.55	2.33	---	2.29	1.97	1.66	3.56	4.28	3.87	3.86
30	6.53	4.38	2.54	2.33	---	2.34	1.90	1.63	3.74	4.30	3.82	3.84
31	6.48	---	2.51	2.35	---	2.36	---	1.76	---	4.32	3.77	---
MEAN	7.07	5.42	3.15	2.21	2.10	1.61	2.37	1.83	2.64	4.33	4.10	3.91
MAX	7.47	6.43	4.30	2.46	2.54	2.36	2.62	2.15	3.74	4.54	4.32	4.17
MIN	6.48	4.38	2.45	1.80	1.35	1.02	1.90	1.61	1.85	3.85	3.77	3.66
CAL YR	2004	MEAN 2.67	MAX 7.47	MIN 0.06								
WTR YR	2005	MEAN 3.40	MAX 7.47	MIN 1.02								

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02234990 LITTLE WEKIVA RIVER NEAR ALTAMONTE SPRINGS, FL

LOCATION.--Lat 28°41'13", long 81°23'50", in SE $\frac{1}{4}$ sec.3, T.21 S., R.29 E., Seminole County, Hydrologic Unit 03080101, on left bank 50 ft downstream from bridge on State Highway 434, 400 ft upstream from Sanlando Springs outlet, 1.4 mi northeast of Post Office in Altamonte Springs, and 5.5 mi upstream from mouth.

DRAINAGE AREA.--42.4 mi².

PERIOD OF RECORD.--February 1972 to September 1979, February 1981 to September 1982 (gage heights and discharge measurements only), October 1982 to current year.

REVISED RECORDS.--WDR FL-03-1A: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (levels by St. Johns River Water Management District). From Feb. 11, 1981 to Nov. 28, 1985, at site 75 ft downstream at same datum.

REMARKS.--Records fair. Flow includes occasional pumpage from Cranes Roost basin.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	232	19	10	14	13	26	47	8.4	58	239	54	25
2	186	27	11	11	12	18	43	7.5	51	214	60	28
3	164	17	10	11	12	18	37	9.9	92	189	55	26
4	153	18	9.7	13	12	19	33	18	119	162	52	24
5	131	16	9.4	13	13	20	37	22	149	131	48	24
6	109	15	11	11	10	18	26	22	161	97	43	39
7	96	14	18	9.4	9.9	17	24	19	166	81	38	43
8	89	13	17	9.1	12	18	24	17	175	68	36	51
9	71	17	10	8.9	11	20	22	16	175	58	40	63
10	63	15	13	8.7	9.4	17	18	20	156	68	45	55
11	63	14	12	10	8.0	19	17	18	148	101	42	48
12	70	13	11	9.4	9.2	20	19	17	189	108	43	40
13	56	15	10	10	7.4	16	16	17	200	102	39	41
14	55	14	10	22	6.9	16	13	15	176	154	35	31
15	66	13	12	21	9.8	19	12	13	148	239	35	29
16	57	21	9.5	28	8.8	19	11	12	123	244	38	26
17	53	12	9.5	35	7.2	37	10	16	106	209	32	24
18	55	11	9.4	42	6.3	56	9.2	13	90	177	33	22
19	65	11	9.1	33	6.0	57	8.1	10	70	145	33	20
20	60	11	8.8	31	5.7	59	7.2	9.5	57	123	31	23
21	61	10	12	27	5.6	56	7.6	9.1	61	110	27	23
22	69	10	11	26	6.7	60	7.8	8.0	46	99	26	22
23	58	12	9.4	24	7.1	51	9.7	7.2	47	84	26	27
24	48	13	8.5	21	5.9	47	8.7	7.2	56	74	23	27
25	39	12	18	22	5.4	65	7.1	6.8	48	68	24	26
26	43	10	18	20	5.4	67	6.6	6.3	49	61	23	26
27	30	10	17	17	25	73	11	6.6	68	48	21	38
28	27	12	24	15	22	74	5.9	12	100	42	21	50
29	25	11	16	14	---	74	6.4	7.9	176	40	19	80
30	24	17	13	13	---	57	6.6	7.3	223	43	30	94
31	20	---	12	12	---	50	---	67	---	47	26	---
TOTAL	2,338	423	379.3	561.5	272.7	1,183	510.9	445.7	3,483	3,625	1,098	1,095
MEAN	75.4	14.1	12.2	18.1	9.74	38.2	17.0	14.4	116	117	35.4	36.5
MAX	232	27	24	42	25	74	47	67	223	244	60	94
MIN	20	10	8.5	8.7	5.4	16	5.9	6.3	46	40	19	20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY)

MEAN	38.6	25.5	25.4	28.1	25.5	29.3	22.6	16.1	34.8	54.5	65.5	62.6
MAX	123	160	129	80.2	137	108	89.8	57.4	116	157	171	187
(WY)	(1996)	(1995)	(1998)	(2003)	(1998)	(1998)	(1987)	(1991)	(2005)	(1974)	(1994)	(2004)
MIN	5.52	1.98	2.74	1.29	5.20	2.45	2.50	3.90	4.25	11.2	12.0	11.8
(WY)	(2001)	(2001)	(2001)	(2001)	(2002)	(2000)	(2000)	(2000)	(1998)	(2000)	(1999)	(1997)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1972 - 2005

ANNUAL TOTAL	15,935.3	15,415.1	
ANNUAL MEAN	43.5	42.2	35.9
HIGHEST ANNUAL MEAN			60.4
LOWEST ANNUAL MEAN			18.4
HIGHEST DAILY MEAN	378	244	638
LOWEST DAILY MEAN	1.6	5.4	0.13
ANNUAL SEVEN-DAY MINIMUM	2.3	6.0	0.21
MAXIMUM PEAK FLOW		267	*1,070
MAXIMUM PEAK STAGE		27.79	*30.58
INSTANTANEOUS LOW FLOW		3.5	0.10
10 PERCENT EXCEEDS	126	104	82
50 PERCENT EXCEEDS	15	22	21
90 PERCENT EXCEEDS	3.7	8.8	6.7

* From floodmark

02235000 WEKIVA RIVER NEAR SANFORD, FL

LOCATION.--Lat 28° 48'54", long 81° 25'10", in SE $\frac{1}{4}$ sec.21, T.19 S., R.29 E., Seminole County, Hydrologic Unit 03080101, near right bank at downstream side of bridge on State Highway 46, 4.5 mi downstream from Little Wekiva River, 6.7 mi upstream from mouth, and 8.9 mi west of Sanford.

DRAINAGE AREA.--189 mi².

PERIOD OF RECORD.--October 1931 to September 1935 (discharge measurements only), October 1935 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 4.96 ft above NGVD of 1929. Prior to Jan. 19, 1960, nonrecording gage at same site and datum.

REMARKS.--Records fair. Flow includes large ground-water inflow. A maximum discharge, 949 ft³/s, and stage, 3.82 ft, occurred on Oct. 1, stage falling, peak occurred Sept. 28, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	922	277	253	307	287	317	389	209	367	806	388	269
2	861	261	252	301	283	315	361	208	402	784	381	292
3	775	257	250	295	283	301	335	208	415	739	379	319
4	695	264	247	291	285	296	314	223	450	689	377	312
5	637	263	244	287	281	287	295	254	460	629	370	322
6	593	259	244	284	279	278	278	269	451	556	362	321
7	558	257	252	283	278	267	266	267	433	494	357	400
8	524	255	252	283	274	256	258	258	425	452	373	432
9	491	254	252	283	271	253	248	246	423	440	380	434
10	463	255	254	280	267	262	243	239	439	433	371	425
11	447	258	254	279	263	264	236	232	459	501	364	404
12	434	263	252	277	258	259	230	229	509	806	362	383
13	415	268	252	275	256	253	225	225	677	795	359	359
14	394	274	252	296	252	248	222	222	760	753	353	331
15	382	266	252	322	250	245	219	220	739	809	344	306
16	368	276	250	342	249	244	216	217	705	809	339	285
17	354	268	249	352	247	264	212	215	747	764	334	268
18	344	267	251	354	244	305	209	215	697	729	326	254
19	335	272	252	350	239	326	207	212	607	695	316	242
20	332	269	250	347	237	329	205	207	525	642	310	237
21	334	266	248	343	234	327	202	204	447	574	307	253
22	330	254	249	335	232	319	201	201	386	518	301	272
23	324	259	253	332	231	332	204	198	350	477	294	288
24	318	255	260	327	230	344	210	194	330	449	288	306
25	314	260	277	318	229	374	211	192	313	425	287	294
26	310	266	319	309	229	472	209	188	287	400	286	276
27	290	266	333	305	259	500	214	183	290	374	280	263
28	296	272	337	304	298	506	215	183	451	343	276	361
29	289	270	333	299	---	487	212	183	560	326	277	451
30	285	266	324	296	---	455	206	179	719	378	272	446
31	282	---	316	292	---	421	---	293	---	388	269	---
TOTAL	13,696	7,917	8,263	9,548	7,225	10,106	7,252	6,773	14,823	17,977	10,282	9,805
MEAN	442	264	267	308	258	326	242	218	494	580	332	327
MAX	922	277	337	354	298	506	389	293	760	809	388	451
MIN	282	254	244	275	229	244	201	179	287	326	269	237

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2005, BY WATER YEAR (WY)

MEAN	316	266	268	288	291	292	254	227	263	318	334	368
MAX	699	711	526	567	583	681	506	324	514	654	592	1,030
(WY)	(1961)	(1995)	(1970)	(1970)	(1998)	(1960)	(1996)	(1991)	(1968)	(1974)	(2003)	(1960)
MIN	200	182	177	169	164	165	165	158	155	174	181	201
(WY)	(1982)	(1936)	(1991)	(1991)	(1991)	(1939)	(1938)	(1939)	(2004)	(1950)	(2000)	(1956)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1936 - 2005

ANNUAL TOTAL	120,499	123,667	
ANNUAL MEAN	329	339	290
HIGHEST ANNUAL MEAN			454
LOWEST ANNUAL MEAN			203
HIGHEST DAILY MEAN	1,410	Sep 8	2,060
LOWEST DAILY MEAN	139	Jun 3	105
ANNUAL SEVEN-DAY MINIMUM	140	May 30	105
MAXIMUM PEAK FLOW			2,060
MAXIMUM PEAK STAGE			6.09
INSTANTANEOUS LOW FLOW			175
10 PERCENT EXCEEDS	527	507	422
50 PERCENT EXCEEDS	266	290	253
90 PERCENT EXCEEDS	163	222	195

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02235200 BLACK WATER CREEK NEAR CASSIA, FL

LOCATION.--Lat 28° 52'28", long 81° 29'23", in SW¹/₄ sec.35, T.18 S., R.28 E., Lake County, Hydrologic Unit 03080101, at bridge on State Highway 44, 1.5 mi southwest of Cassia, and 13 mi upstream from mouth.

DRAINAGE AREA.--126 mi².

PERIOD OF RECORD.--Water years 1962-67, 1970-80 (annual maximum), August 1967 to September 1969; March 1981 to September 1985 (fragmentary), October 1985 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 18.55 ft above NGVD of 1929 (Florida Department of Transportation bench mark). Sept. 20, 1962 to Aug. 7, 1967, and Oct. 1, 1969 to Mar. 23, 1981, crest-stage gage; Aug. 7, 1967 to Sept. 30, 1969 and Mar. 23, 1981 to June 10, 1983, water-stage recorder; June 10, 1983 to June 10, 1985, nonrecording gage at site 1,000 ft upstream at same datum.

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	803	176	85	75	84	65	82	30	39	195	140	116
2	801	171	82	74	83	63	81	29	41	233	161	113
3	745	165	80	73	82	61	80	28	41	274	210	113
4	688	160	79	72	82	61	77	32	44	299	224	106
5	637	154	77	72	81	61	73	46	47	299	224	118
6	590	149	76	71	79	60	70	53	49	283	223	129
7	544	142	75	71	78	58	71	52	48	262	218	156
8	501	134	73	71	76	57	79	48	49	259	212	178
9	462	131	71	70	74	57	79	44	51	281	220	196
10	430	128	70	69	72	58	75	40	58	269	217	204
11	412	126	69	67	69	57	70	38	69	250	202	202
12	401	126	67	66	67	56	66	37	114	242	187	196
13	377	124	65	66	65	53	62	36	171	234	178	187
14	353	125	62	71	63	51	58	34	167	250	167	174
15	333	127	60	78	61	50	55	33	148	330	157	162
16	316	126	59	91	60	49	52	32	137	339	147	150
17	296	123	58	99	58	52	49	30	140	317	140	137
18	279	119	58	99	56	55	46	29	131	287	134	129
19	265	113	58	97	54	55	43	28	127	258	136	119
20	256	109	57	96	52	54	41	27	127	239	150	111
21	252	106	55	96	51	52	39	27	126	219	146	111
22	242	103	54	96	50	52	36	32	124	198	139	114
23	232	100	57	99	49	58	35	32	118	182	137	122
24	222	98	62	98	48	65	35	32	117	172	142	121
25	214	100	66	96	47	70	33	32	118	163	148	117
26	207	97	77	94	46	87	32	30	114	150	144	111
27	201	93	80	93	54	101	34	29	118	141	136	109
28	196	92	80	91	64	103	34	28	147	134	130	123
29	191	89	79	90	---	97	32	27	160	128	131	129
30	187	87	77	89	---	90	30	26	176	127	130	123
31	182	---	76	87	---	85	---	31	---	130	125	---
TOTAL	11,815	3,693	2,144	2,577	1,805	1,993	1,649	1,052	3,116	7,144	5,155	4,176
MEAN	381	123	69.2	83.1	64.5	64.3	55.0	33.9	104	230	166	139
MAX	803	176	85	99	84	103	82	53	176	339	224	204
MIN	182	87	54	66	46	49	30	26	39	127	125	106
CFSM	3.02	0.98	0.55	0.66	0.51	0.51	0.44	0.27	0.82	1.83	1.32	1.10
IN.	3.49	1.09	0.63	0.76	0.53	0.59	0.49	0.31	0.92	2.11	1.52	1.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)

MEAN	93.9	56.4	52.2	68.2	64.2	75.2	56.6	25.5	31.7	47.1	58.5	120
MAX	381	278	203	261	242	273	213	79.3	142	230	166	467
(WY)	(2005)	(1995)	(1995)	(1998)	(1998)	(1998)	(1987)	(1991)	(1991)	(2005)	(2005)	(2004)
MIN	3.15	2.28	2.28	3.94	4.68	8.27	9.52	4.84	2.66	4.60	5.06	3.31
(WY)	(1991)	(1991)	(1991)	(1991)	(1991)	(2001)	(1999)	(2000)	(2000)	(2000)	(1990)	(1990)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1967 - 2005
ANNUAL TOTAL	39,363	46,319	
ANNUAL MEAN	108	127	62.6
HIGHEST ANNUAL MEAN			127
LOWEST ANNUAL MEAN			16.4
HIGHEST DAILY MEAN	808	Sep 30	808
LOWEST DAILY MEAN	12	Aug 2-4	2.0
ANNUAL SEVEN-DAY MINIMUM	13	Jul 29	2.0
MAXIMUM PEAK FLOW		835	835
MAXIMUM PEAK STAGE		9.67	9.93
INSTANTANEOUS LOW FLOW		25	1.9
ANNUAL RUNOFF (CFSM)	0.854	1.01	0.497
ANNUAL RUNOFF (INCHES)	11.62	13.68	6.75
10 PERCENT EXCEEDS	384	245	150
50 PERCENT EXCEEDS	32	93	32
90 PERCENT EXCEEDS	16	40	8.2

02235500 BLUE SPRINGS NEAR ORANGE CITY, FL

LOCATION.--Lat 28° 56'38", long 81° 20'24", in NE 1/4 sec.8, T.18 S., R.30 E., Volusia County, Hydrologic Unit 03080101, on right bank of Blue Springs Run, 1300 ft upstream from St. Johns River, 750 ft downstream from head of springs, and 2.5 mi west of Orange City.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1932 to September 1998 (discharge measurements only), November 1998 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929. Prior to Dec. 7, 2001 at site 250 ft downstream at same datum. November 1998 to September 1999 at datum 0.74 ft lower. Prior to November 23, 1998, nonrecording gage at site 30 ft downstream at datum 0.74 ft lower.

REMARKS.--Records fair. Discharge affected by backwater from St. Johns River. Discharge record for Oct. 1, 2004 through March 20, 2005 not published due to bad water-stage and velocity-meter data.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD MARCH TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	163	163	152	151	175	185
2	---	---	---	---	---	---	164	162	151	148	175	185
3	---	---	---	---	---	---	161	161	151	145	177	184
4	---	---	---	---	---	---	162	159	150	145	175	185
5	---	---	---	---	---	---	163	159	149	142	177	185
6	---	---	---	---	---	---	163	159	151	135	179	185
7	---	---	---	---	---	---	163	159	153	142	178	185
8	---	---	---	---	---	---	164	159	154	136	179	184
9	---	---	---	---	---	---	163	159	153	146	177	186
10	---	---	---	---	---	---	162	161	152	155	181	186
11	---	---	---	---	---	---	161	161	152	153	175	185
12	---	---	---	---	---	---	161	160	150	153	183	186
13	---	---	---	---	---	---	160	159	150	150	177	186
14	---	---	---	---	---	---	159	157	151	148	180	185
15	---	---	---	---	---	---	158	156	152	151	182	183
16	---	---	---	---	---	---	160	157	152	156	182	182
17	---	---	---	---	---	---	162	156	153	159	182	181
18	---	---	---	---	---	---	164	156	153	158	183	181
19	---	---	---	---	---	---	164	157	154	165	185	179
20	---	---	---	---	---	---	164	158	153	164	184	179
21	---	---	---	---	---	173	164	158	152	163	184	179
22	---	---	---	---	---	172	164	157	151	168	183	181
23	---	---	---	---	---	171	164	155	152	165	183	181
24	---	---	---	---	---	170	163	154	154	157	181	182
25	---	---	---	---	---	170	163	152	155	159	183	180
26	---	---	---	---	---	169	164	151	149	166	185	180
27	---	---	---	---	---	169	164	150	150	165	183	179
28	---	---	---	---	---	169	163	150	150	167	185	179
29	---	---	---	---	---	167	163	151	149	168	184	179
30	---	---	---	---	---	166	165	153	150	168	184	180
31	---	---	---	---	---	164	---	153	---	172	185	---
TOTAL	---	---	---	---	---	---	4,878	4,862	4,548	4,820	5,606	5,477
MEAN	---	---	---	---	---	---	163	157	152	155	181	183
MAX	---	---	---	---	---	---	165	163	155	172	185	186
MIN	---	---	---	---	---	---	158	150	149	135	175	179

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)

MEAN	134	134	144	146	146	146	152	139	138	138	142	147
MAX	157	162	162	164	163	169	163	161	158	161	181	183
(WY)	(2004)	(1999)	(2002)	(2002)	(2002)	(2005)	(2005)	(2003)	(2003)	(2003)	(2005)	(2005)
MIN	99.0	91.8	98.6	105	110	114	130	106	112	108	93.4	101
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS

	WATER YEARS 1999 - 2005		WATER YEARS 1999 - 2005		#WATER YEARS 1999 - 2005	
ANNUAL TOTAL	35,963		32,051		142	
ANNUAL MEAN	143				142	
HIGHEST ANNUAL MEAN					155	
LOWEST ANNUAL MEAN					103	
HIGHEST DAILY MEAN	165	Jan 5	186	Sep 9,10,12,13	201	Nov 28, 1998
LOWEST DAILY MEAN	120	Jul 26	135	Jul 6	49	Nov 7, 2000
ANNUAL SEVEN-DAY MINIMUM	122	Jul 22	142	Jul 3	71	Nov 2, 2000
MAXIMUM PEAK STAGE					4.65	Nov 2, 1999
10 PERCENT EXCEEDS	156		184		164	
50 PERCENT EXCEEDS	145		163		150	
90 PERCENT EXCEEDS	128		150		107	

Includes partial years of record

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER
02235500 BLUE SPRINGS NEAR ORANGE CITY, FL—Continued

DISCHARGE MEASUREMENTS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Date	Time	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)
OCT				JAN			
05...	0930	6.00	167	04...	1200	1.64	200
19...	1025	5.48	192	11...	1230	1.28	191
NOV				31...	1020	1.95	178
02...	1218	4.98	187	FEB			
16...	1308	4.22	187	22...	1100	1.05	175
DEC							
14...	1150	2.19	194				

02235500 BLUE SPRINGS NEAR ORANGE CITY, FL

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1964-94, 1998 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1998 to current year.

WATER TEMPERATURE: December 1998 to current year.

INSTRUMENTATION.--Water-quality monitor and data-collection platform.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 2,150 $\mu\text{S}/\text{cm}$ @ 25 °C, Sept. 18, 2001; minimum daily mean, 872 $\mu\text{S}/\text{cm}$ @ 25 °C, Nov. 18, 2002.

WATER TEMPERATURE: Maximum daily mean, 23.5°C, April 17, 2000; minimum daily mean, 22.5 °C, Dec. 20, 2000, Jan. 11,28, 29, 2004.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 1,460 $\mu\text{S}/\text{cm}$ @ 25 °C, June 17, 18; minimum daily mean, 1,130 $\mu\text{S}/\text{cm}$ @ 25 °C, Aug. 30, 31.

WATER TEMPERATURE: Maximum daily mean, 23.2 °C, many days in June, July, August; minimum daily mean, 22.7 °C, Mar. 21, 24, 30, Apr. 3, 4.

REMARKS.--Specific conductance and temperature records are rated fair. Extremes may have been exceeded during periods of missing record.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	1,230	1,340	1,390	1,440	1,280	1,140
2	---	---	---	---	---	---	1,230	1,350	1,400	1,440	1,280	---
3	---	---	---	---	---	---	1,230	1,340	1,390	1,440	1,270	---
4	---	---	---	---	---	---	1,240	1,340	1,400	1,440	1,260	---
5	---	---	---	---	---	---	1,250	1,350	1,400	1,440	1,250	---
6	---	---	---	---	---	---	1,250	1,350	1,410	1,440	1,240	---
7	---	---	---	---	---	---	1,260	1,360	1,410	1,440	1,230	---
8	---	---	---	---	---	---	1,260	1,360	1,410	1,440	1,230	---
9	---	---	---	---	---	---	1,270	1,350	1,410	1,430	1,220	---
10	---	---	---	---	---	---	1,280	1,340	1,410	1,420	1,210	---
11	---	---	---	---	---	---	1,280	1,340	1,430	1,430	1,210	---
12	---	---	---	---	---	---	1,290	1,360	1,430	1,420	1,200	---
13	---	---	---	---	---	---	1,300	1,350	1,430	1,420	1,200	---
14	---	---	---	---	---	---	1,300	1,350	1,440	1,410	1,190	---
15	---	---	---	---	---	---	1,310	1,350	1,440	1,410	1,180	---
16	---	---	---	---	---	---	1,310	1,380	1,440	1,400	1,180	---
17	---	---	---	---	---	---	1,320	1,390	1,460	1,390	1,170	---
18	---	---	---	---	---	---	1,320	1,400	1,460	1,380	1,170	---
19	---	---	---	---	---	---	1,330	1,400	1,450	1,370	1,170	---
20	---	---	---	---	---	---	1,340	1,410	1,450	1,370	1,170	---
21	---	---	---	---	---	1,170	1,340	1,400	1,450	1,360	1,160	---
22	---	---	---	---	---	1,180	1,340	1,400	1,450	1,350	1,160	---
23	---	---	---	---	---	1,180	1,340	1,410	1,450	1,350	1,170	---
24	---	---	---	---	---	1,190	1,340	1,400	1,450	1,340	1,150	---
25	---	---	---	---	---	1,190	1,350	1,410	1,450	1,330	1,150	---
26	---	---	---	---	---	1,190	1,350	1,410	1,450	1,320	1,150	---
27	---	---	---	---	---	1,200	1,350	1,410	1,450	1,320	1,150	---
28	---	---	---	---	---	1,200	1,340	1,410	1,450	1,310	1,150	---
29	---	---	---	---	---	1,210	1,350	1,400	1,450	1,300	1,140	---
30	---	---	---	---	---	1,210	1,350	1,400	1,450	1,300	1,130	---
31	---	---	---	---	---	1,220	---	1,400	---	1,290	1,130	---
MEAN	---	---	---	---	---	---	1,300	1,380	1,430	1,390	1,190	---
MAX	---	---	---	---	---	---	1,350	1,410	1,460	1,440	1,280	---
MIN	---	---	---	---	---	---	1,230	1,340	1,390	1,290	1,130	---

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER
02235500 BLUE SPRINGS NEAR ORANGE CITY, FL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	23.1	23.0	23.1	23.2	23.2	23.1
2	---	---	---	---	---	---	23.0	23.1	23.1	23.2	23.2	23.1
3	---	---	---	---	---	---	22.9	23.1	23.0	23.2	23.2	23.1
4	---	---	---	---	---	---	22.9	23.0	23.1	23.2	23.2	23.1
5	---	---	---	---	---	---	23.0	23.0	23.1	23.2	23.2	23.1
6	---	---	---	---	---	---	23.0	23.0	23.1	23.2	23.2	23.1
7	---	---	---	---	---	---	23.0	23.0	23.1	23.2	23.2	23.1
8	---	---	---	---	---	---	23.0	23.1	23.1	23.2	23.2	---
9	---	---	---	---	---	---	23.0	23.1	23.1	23.2	23.2	---
10	---	---	---	---	---	---	23.0	23.1	23.1	23.1	23.2	---
11	---	---	---	---	---	---	23.0	23.1	23.1	23.1	23.2	---
12	---	---	---	---	---	---	23.0	23.1	23.1	23.1	23.2	---
13	---	---	---	---	---	---	23.1	23.1	23.1	23.1	23.2	---
14	---	---	---	---	---	---	23.0	23.1	23.1	23.1	23.2	---
15	---	---	---	---	---	---	23.0	23.1	23.1	23.1	23.2	---
16	---	---	---	---	---	---	22.9	23.1	23.1	23.2	23.2	---
17	---	---	---	---	---	---	23.0	23.1	23.1	23.1	23.2	---
18	---	---	---	---	---	---	23.0	23.1	23.1	23.1	23.2	---
19	---	---	---	---	---	---	23.0	23.1	23.2	23.1	23.2	---
20	---	---	---	---	---	---	23.0	23.1	23.2	23.2	23.2	---
21	---	---	---	---	---	22.9	23.0	23.1	23.1	23.1	23.2	---
22	---	---	---	---	---	23.1	23.0	23.1	23.2	23.2	23.1	---
23	---	---	---	---	---	23.0	23.0	23.1	23.1	23.1	23.2	---
24	---	---	---	---	---	22.9	23.0	23.1	23.1	23.2	23.1	---
25	---	---	---	---	---	23.0	23.0	23.1	23.1	23.1	23.2	---
26	---	---	---	---	---	23.0	23.0	23.0	23.2	23.1	23.1	---
27	---	---	---	---	---	23.1	23.0	23.1	23.2	23.2	23.2	---
28	---	---	---	---	---	23.0	23.0	23.1	23.1	23.2	23.2	---
29	---	---	---	---	---	23.0	23.0	23.1	23.1	23.2	23.1	---
30	---	---	---	---	---	23.0	23.1	23.1	23.2	23.2	23.1	---
31	---	---	---	---	---	23.1	---	23.0	---	23.2	23.1	---
MEAN	---	---	---	---	---	---	23.0	23.1	23.1	23.2	23.2	---
MAX	---	---	---	---	---	---	23.1	23.1	23.2	23.2	23.2	---
MIN	---	---	---	---	---	---	22.9	23.0	23.0	23.1	23.1	---

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 deg C (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
NOV 16...	1445	4.22	187	<1	1.4	7.3	807	23.0	190	55.7	12.6	3.75	81.9
APR 19...	1301	2.18	163	8	1.8	7.1	1,310	22.9	260	68.6	21.1	6.72	166
JUN 28-28	0835	2.62	150	<1	1.1	7.7	1,460	23.1	280	69.0	24.9	6.99	179
SEP 06-06	0853	2.84	183	5	1.4	7.0	1,070	22.7	230	63.6	17.8	5.00	120

Date	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180deg C wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Strontium, water, fltrd, ug/L (01080)
NOV 16...	132	155	E.1	8.84	28.1	452	E.07	<.04	.99	<.008	.05	.06	538
APR 19...	134	293	.1	9.26	46.1	709	E.07	<.04	.56	<.008	.06	.07	786
JUN 28...	144	334	E.1	9.59	53.3	793	.12	.04	.45	<.008	.06	.07	836
SEP 06...	138	230	E.1	8.70	39.0	638	E.07	<.04	.77	<.008	.05	.06	637

02236000 ST. JOHNS RIVER NEAR DE LAND, FL

LOCATION.--Lat 29°00'29", long 81°22'58", in land grant 38, T.17 S., R.29 E., Lake County, Hydrologic Unit 03080101, attached to fender pilings near center of channel under Francis P. Whitehair Bridge on State Highway 44, 5 mi west of De Land, and 142 mi upstream from mouth.

DRAINAGE AREA.--3,066 mi².

PERIOD OF RECORD.--October 1933 to current year. Monthly discharge only prior to February 1934, published in WSP 1304.

REVISED RECORDS.--WDR FL-75-1: Drainage area, WDR FL-96-1A: 1995.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is 0.09 ft below NGVD of 1929. Prior to May 28, 1936, nonrecording gage at site of former Crows Bluff Bridge about 1,000 ft downstream and May 28, 1936 to July 21, 1970, water-stage recorder at site 0.4 mi downstream at datum 1.11 ft lower. July 22, 1970 to Sept. 30, 1993, water-stage recorder at present site and datum. Oct. 1, 1993 to April 4, 2000, water-stage recorder near right bank 100 ft upstream. Oct. 1, 1959 to Sept. 30, 1975, Oct. 1, 1984 to Mar. 21, 1986, June 16 to Sept. 23, 1991, and Oct. 1, 1992 to Sept. 30, 1993, water-stage recorder for St. Johns River near Sanford (station 02234500) used as auxiliary gage for this station.

REMARKS.--Records good. A maximum stage, 5.25 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 29, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12,600	10,600	6,650	3,690	1,950	376	3,740	2,880	2,200	5,330	6,670	5,180
2	12,500	10,600	6,430	3,750	1,690	1,640	2,840	2,630	2,340	5,480	6,560	5,150
3	12,700	10,500	6,220	3,710	1,880	2,430	2,880	2,520	2,590	5,680	6,550	5,020
4	12,800	10,300	6,220	3,690	542	2,710	3,550	2,160	3,110	5,790	6,480	4,850
5	13,000	10,300	6,120	3,640	1,420	2,770	3,870	1,610	3,110	5,870	6,170	4,970
6	12,900	10,100	6,080	3,530	1,470	2,920	3,910	709	3,290	5,960	5,990	4,520
7	13,000	9,880	6,050	3,540	1,660	2,990	3,730	1,390	3,160	6,070	5,860	3,940
8	12,900	9,610	6,100	3,490	1,940	2,260	3,260	1,940	3,120	6,160	5,830	2,590
9	12,700	9,540	6,030	3,340	2,290	2,340	3,030	2,280	3,140	6,240	5,800	2,320
10	12,600	9,330	6,010	3,120	2,050	2,320	2,790	2,450	3,120	6,610	5,880	3,290
11	12,500	9,130	5,680	2,920	1,500	2,300	2,760	2,500	3,340	6,480	5,950	3,800
12	12,500	8,890	5,490	2,820	2,500	2,360	2,910	2,590	3,200	6,370	6,040	4,150
13	12,200	8,830	5,600	2,840	2,910	2,690	2,780	2,580	3,590	6,710	6,090	4,270
14	12,200	8,730	5,170	2,360	3,080	2,830	2,700	2,660	3,690	6,680	6,140	4,480
15	12,000	8,430	4,520	1,140	3,150	2,560	1,770	2,570	3,460	6,780	6,220	4,680
16	12,200	7,980	4,360	-440	3,320	2,210	1,360	2,620	3,610	6,880	6,280	4,870
17	12,100	7,880	4,380	672	3,310	1,640	1,330	2,570	4,050	6,990	6,360	4,980
18	12,100	7,780	4,250	1,040	2,910	589	1,900	2,520	4,060	7,000	6,350	5,090
19	12,100	7,740	4,080	1,730	2,860	1,250	2,540	2,230	3,960	6,950	6,390	4,990
20	12,000	7,780	3,760	2,490	3,110	1,780	3,000	1,970	3,720	6,980	6,370	4,900
21	12,000	7,690	4,260	2,920	3,100	2,160	3,270	1,680	3,400	6,970	6,170	4,830
22	11,900	7,700	4,370	3,180	3,090	2,520	3,290	1,050	3,600	6,910	6,110	4,740
23	11,700	7,710	4,340	2,250	3,040	2,300	3,430	1,220	3,920	6,920	6,090	4,650
24	11,500	7,630	3,890	2,350	2,790	2,530	3,080	1,580	4,010	6,880	5,970	4,710
25	11,300	7,550	3,580	2,850	1,970	2,630	3,470	1,740	4,160	6,640	5,760	4,830
26	11,100	7,120	2,410	3,170	360	2,860	3,630	1,360	4,200	6,560	5,670	4,830
27	11,000	7,160	2,570	3,270	1,280	3,030	3,430	1,490	4,320	6,570	5,450	4,800
28	10,800	7,070	2,740	2,490	-58	2,500	3,290	1,620	4,650	6,640	5,260	4,930
29	10,700	6,790	3,020	2,260	---	3,100	3,310	1,670	4,900	6,450	5,260	5,050
30	10,700	6,760	3,360	1,930	---	3,540	3,230	1,730	5,200	6,590	5,340	4,980
31	10,600	---	3,530	1,790	---	3,700	---	2,060	---	6,580	5,170	---
TOTAL	372,900	257,110	147,270	81,532	61,114	73,835	90,080	62,579	108,220	200,720	186,230	136,390
MEAN	12,030	8,570	4,751	2,630	2,183	2,382	3,003	2,019	3,607	6,475	6,007	4,546
MAX	13,000	10,600	6,650	3,750	3,320	3,700	3,910	2,880	5,200	7,000	6,670	5,180
MIN	10,600	6,760	2,410	-440	-58	376	1,330	709	2,200	5,330	5,170	2,320
CFSM	3.92	2.80	1.55	0.86	0.71	0.78	0.98	0.66	1.18	2.11	1.96	1.48
IN.	4.52	3.12	1.79	0.99	0.74	0.90	1.09	0.76	1.31	2.44	2.26	1.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1934 - 2005, BY WATER YEAR (WY)

MEAN	5,002	4,403	3,303	2,798	2,498	2,551	2,380	1,512	1,773	2,988	3,541	4,148
MAX	15,800	10,680	8,528	8,509	7,106	9,912	9,811	5,170	7,004	11,750	10,280	12,060
(WY)	(1954)	(1954)	(1995)	(1998)	(1998)	(1998)	(1960)	(1983)	(1934)	(1968)	(1960)	(1960)
MIN	446	251	234	763	591	256	284	-119	229	316	234	405
(WY)	(1982)	(1981)	(1981)	(1939)	(1982)	(2000)	(1999)	(2002)	(1962)	(2000)	(2000)	(1958)

ST. JOHNS RIVER BASIN ABOVE OCKLAWAHA RIVER

02236000 ST. JOHNS RIVER NEAR DE LAND, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1934 - 2005	
ANNUAL TOTAL	1,461,034.97		1,777,980			
ANNUAL MEAN	3,992		4,871		3,078	
HIGHEST ANNUAL MEAN					6,433	1960
LOWEST ANNUAL MEAN					743	1981
HIGHEST DAILY MEAN	13,000	Oct 5	13,000	Oct 5, 7	17,100	Oct 15, 1953
LOWEST DAILY MEAN	-1,040	Jan 11	-440	Jan 16	-3,260	Sep 10, 2000
ANNUAL SEVEN-DAY MINIMUM	-141	Apr 29	1,140	Feb 25	-2,130	Sep 7, 2000
MAXIMUM PEAK STAGE			3.41	Sep 10	6.06	Oct 11, 1953
ANNUAL RUNOFF (CFSM)	1.30		1.59		1.00	
ANNUAL RUNOFF (INCHES)	17.73		21.57		13.64	
10 PERCENT EXCEEDS	11,000		10,200		6,290	
50 PERCENT EXCEEDS	2,000		3,910		2,460	
90 PERCENT EXCEEDS	470		1,790		823	

Note.--Negative figures indicate reverse flow

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.23	4.32	2.71	1.57	1.83	1.36	1.38	0.98	1.25	2.43	2.68	2.41
2	5.22	4.25	2.64	1.46	1.88	1.32	1.48	0.99	1.22	2.47	2.64	2.37
3	5.19	4.18	2.57	1.36	1.93	1.16	1.59	1.02	1.23	2.52	2.62	2.36
4	5.17	4.09	2.50	1.30	2.00	1.05	1.50	1.13	1.28	2.55	2.60	2.36
5	5.14	4.01	2.42	1.24	2.01	0.94	1.39	1.31	1.35	2.56	2.60	2.47
6	5.11	3.94	2.35	1.18	2.05	0.83	1.33	1.53	1.36	2.55	2.60	2.54
7	5.08	3.87	2.28	1.11	2.07	0.71	1.33	1.61	1.32	2.53	2.60	2.80
8	5.05	3.80	2.21	1.04	2.06	0.67	1.45	1.58	1.30	2.53	2.60	3.07
9	5.03	3.75	2.13	1.01	2.01	0.68	1.51	1.51	1.29	2.55	2.61	3.32
10	5.01	3.71	2.03	1.01	1.95	0.67	1.59	1.44	1.27	2.59	2.61	3.39
11	5.02	3.69	1.96	1.03	1.96	0.64	1.67	1.37	1.31	2.61	2.60	3.39
12	5.01	3.68	1.88	1.05	1.86	0.58	1.69	1.32	1.45	2.71	2.60	3.35
13	4.98	3.65	1.74	1.04	1.75	0.45	1.68	1.27	1.49	2.75	2.57	3.30
14	4.92	3.65	1.67	1.13	1.63	0.33	1.69	1.21	1.48	2.79	2.54	3.24
15	4.88	3.65	1.70	1.34	1.52	0.29	1.83	1.17	1.49	2.81	2.50	3.17
16	4.83	3.67	1.72	1.67	1.37	0.38	1.94	1.09	1.57	2.81	2.48	3.09
17	4.78	3.66	1.73	1.81	1.22	0.57	2.04	1.05	1.64	2.81	2.44	2.99
18	4.71	3.62	1.74	1.87	1.17	0.88	2.07	1.00	1.66	2.79	2.42	2.90
19	4.65	3.56	1.71	1.91	1.12	0.99	2.01	1.01	1.70	2.82	2.42	2.82
20	4.61	3.48	1.69	1.84	1.02	1.01	1.93	1.02	1.79	2.84	2.43	2.79
21	4.57	3.41	1.58	1.75	0.88	0.99	1.81	1.06	1.93	2.79	2.43	2.79
22	4.53	3.33	1.47	1.66	0.75	0.96	1.67	1.20	2.03	2.74	2.42	2.82
23	4.51	3.24	1.42	1.70	0.65	1.00	1.53	1.22	2.08	2.71	2.40	2.84
24	4.50	3.16	1.41	1.75	0.63	0.98	1.44	1.20	2.09	2.72	2.39	2.84
25	4.50	3.09	1.46	1.68	0.73	1.02	1.30	1.18	2.12	2.71	2.42	2.79
26	4.49	3.02	1.70	1.57	0.99	1.23	1.18	1.22	2.16	2.70	2.45	2.72
27	4.49	2.96	1.84	1.50	1.19	1.33	1.12	1.23	2.20	2.68	2.47	2.66
28	4.48	2.90	1.87	1.60	1.35	1.43	1.10	1.18	2.26	2.63	2.50	2.63
29	4.46	2.85	1.84	1.74	---	1.46	1.03	1.14	2.30	2.62	2.51	2.63
30	4.43	2.79	1.77	1.80	---	1.41	0.96	1.11	2.38	2.64	2.47	2.62
31	4.38	---	1.68	1.84	---	1.37	---	1.17	---	2.63	2.45	---
MEAN	4.81	3.57	1.92	1.47	1.49	0.93	1.54	1.21	1.67	2.66	2.52	2.85
MAX	5.23	4.32	2.71	1.91	2.07	1.46	2.07	1.61	2.38	2.84	2.68	3.39
MIN	4.38	2.79	1.41	1.01	0.63	0.29	0.96	0.98	1.22	2.43	2.39	2.36
CAL YR	2004	MEAN 1.68	MAX 5.23	MIN -0.36								
WTR YR	2005	MEAN 2.22	MAX 5.23	MIN 0.29								

02236125 ST. JOHNS RIVER AT ASTOR, FL

LOCATION.--Lat 29° 10'00", long 81° 31'20", in NW¹/₄ sec. 29, T.15 S., R.28 E., Lake County, Hydrologic Unit 03080101, near center of channel on bridge pile under bridge on State Highway 40, 0.4 mi northeast of Astor, 6.6 mi west of U.S. Highway 17, and 127 mi upstream from mouth.

DRAINAGE AREA.--3,330 mi².

PERIOD OF RECORD.--September 1931 to July 1934 (daily gage heights and miscellaneous discharge measurements only), February 1994 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14,500	9,110	7,460	4,890	1,930	1,110	4,290	3,460	2,750	4,400	6,070	6,590
2	14,600	10,500	7,010	4,810	1,070	3,000	1,400	2,840	2,730	4,630	5,830	6,070
3	14,500	11,100	6,320	4,390	1,630	3,850	3,680	2,620	3,440	5,060	6,060	5,060
4	14,400	11,100	6,530	4,150	-133	3,510	4,870	2,220	3,880	5,420	6,060	4,780
5	14,200	10,900	6,790	3,980	1,160	3,410	4,670	1,030	4,410	3,440	6,520	4,280
6	14,200	10,200	6,830	3,770	1,240	3,840	4,350	-148	4,430	3,480	6,280	2,120
7	14,000	9,680	6,700	4,000	1,810	3,530	4,010	1,970	4,030	4,290	6,120	-128
8	13,700	9,670	6,490	3,790	2,830	2,160	3,550	3,300	3,720	4,560	6,280	-2,010
9	13,500	8,570	6,540	3,460	3,250	2,950	3,100	3,420	3,700	5,680	6,310	1,370
10	13,600	8,070	6,330	3,310	1,940	2,640	2,070	3,480	3,780	4,330	6,420	3,810
11	13,500	8,710	5,500	2,870	2,750	2,720	1,950	3,240	4,090	4,460	6,810	5,020
12	13,700	8,680	6,280	3,030	4,210	3,090	2,610	3,050	4,600	4,940	7,160	5,510
13	13,600	8,020	6,010	3,340	4,510	3,560	2,190	3,310	4,540	7,670	7,360	5,390
14	13,800	6,540	4,460	2,460	4,360	3,520	2,550	3,350	4,340	6,340	7,370	6,070
15	13,700	6,100	4,200	55	4,350	2,410	-113	3,140	4,120	7,010	6,830	6,300
16	14,000	7,350	4,210	-1,320	4,470	2,020	-203	2,980	4,850	7,680	6,980	6,910
17	14,100	8,020	4,110	312	4,110	881	435	3,310	5,040	8,170	7,030	7,080
18	14,200	6,150	4,290	618	3,380	85	2,580	2,840	4,800	7,840	6,890	6,820
19	14,000	6,240	4,010	2,560	3,090	1,350	3,880	2,440	3,980	6,270	6,480	6,150
20	13,900	7,760	4,410	4,150	3,840	2,160	4,520	2,180	2,670	7,030	6,140	5,610
21	13,900	6,250	5,330	4,600	3,700	2,380	4,920	1,520	3,760	6,460	6,020	5,670
22	12,900	6,990	4,880	4,440	3,730	2,690	4,620	1,200	4,330	7,970	6,420	5,490
23	11,700	6,930	5,040	1,120	3,410	2,920	4,720	1,380	4,500	6,670	6,230	6,000
24	11,400	6,940	4,230	3,120	2,530	3,310	3,790	2,390	4,740	5,930	5,870	6,070
25	11,500	8,090	3,530	4,210	1,160	3,010	4,550	1,780	4,150	5,290	5,420	6,180
26	10,700	8,350	-18	4,430	-209	3,510	4,670	1,550	4,210	6,060	5,050	6,160
27	8,790	7,100	2,200	3,700	1,390	3,220	4,020	2,100	3,190	6,930	4,540	6,310
28	8,900	6,390	3,120	1,130	-627	2,170	4,020	2,080	3,880	6,900	5,220	6,180
29	9,360	6,720	4,190	1,260	---	4,540	3,770	2,330	4,020	7,470	6,300	5,760
30	8,110	7,540	4,690	1,090	---	4,590	3,290	2,050	4,110	7,440	6,220	5,540
31	8,900	---	4,840	2,040	---	3,880	---	2,530	---	7,920	6,380	---
TOTAL	395,860	243,770	156,512	89,765	70,881	88,016	98,759	74,942	120,790	187,740	194,670	152,162
MEAN	12,770	8,126	5,049	2,896	2,531	2,839	3,292	2,417	4,026	6,056	6,280	5,072
MAX	14,600	11,100	7,460	4,890	4,510	4,590	4,920	3,480	5,040	8,170	7,370	7,080
MIN	8,110	6,100	-18	-1,320	-627	85	-203	-148	2,670	3,440	4,540	-2,010

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	6,083	5,458	4,213	4,329	2,988	3,030	2,620	1,454	1,985	3,251	3,805	4,872
MAX	12,770	8,974	9,206	9,123	6,591	10,760	7,498	3,601	4,026	6,184	8,652	9,464
(WY)	(2005)	(2000)	(1995)	(1998)	(1998)	(1998)	(1998)	(1998)	(2005)	(2002)	(2002)	(2004)
MIN	1,491	2,293	1,145	1,174	785	695	291	42.9	661	547	664	950
(WY)	(2001)	(2001)	(2001)	(1997)	(1999)	(2000)	(1999)	(1994)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1994 - 2005

ANNUAL TOTAL	1,568,186	1,873,867	
ANNUAL MEAN	4,285	5,134	3,767
HIGHEST ANNUAL MEAN			5,211
LOWEST ANNUAL MEAN			1,706
HIGHEST DAILY MEAN	14,600	Oct 2	14,600
LOWEST DAILY MEAN	-2,560	Feb 27	-2,010
ANNUAL SEVEN-DAY MINIMUM	11	Jan 6	1,150
MAXIMUM PEAK STAGE			3.74
10 PERCENT EXCEEDS	10,800		8,900
50 PERCENT EXCEEDS	2,430		4,460
90 PERCENT EXCEEDS	728		1,800
			598

Note.--Negative figures indicate reverse flow

291830081362200 LAKE GEORGE AT MARKER 5 NEAR SALT SPRINGS, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 29° 18'30", long 81° 36'22", in T.14 S., R.27 E., Volusia County, Hydrologic Unit 03080101, on Aids to Navigation marker 5, 8.0 mi southeast of Salt Springs, 11.0 mi north northwest of Astor and 116 mi upstream from mouth.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 2004 to current year.

WATER TEMPERATURE: June 2004 to current year.

DISSOLVED OXYGEN: June 2004 to current year.

INSTRUMENTATION.--Water-quality monitor.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 1,520 $\mu\text{S}/\text{cm}$ @ 25 °C, Aug. 5, 2004; minimum daily mean, 419 $\mu\text{S}/\text{cm}$ @ 25 °C, Oct. 27, 2005.

WATER TEMPERATURE: Maximum daily mean, 30.5 °C, July 25, 2005; minimum daily mean, 11.2 °C, Dec. 27, 2005.

DISSOLVED OXYGEN: Maximum daily mean, 11.0 mg/L, Dec. 20, 27, 28, 2005; minimum daily mean, 3.1 mg/L, June 4, 2004.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 1,060 $\mu\text{S}/\text{cm}$ @ 25 °C, June 9, 10, 11, 15, 16; minimum daily mean, 419 $\mu\text{S}/\text{cm}$ @ 25 °C, Oct. 27.

WATER TEMPERATURE: Maximum daily mean, 30.5 °C, July 25; minimum daily mean, 11.2 °C, Dec. 27.

DISSOLVED OXYGEN: Maximum daily mean, 11.0 mg/L, Dec. 20, 27, 28; minimum daily mean, 4.8 mg/L, Aug. 4.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	598	424	469	536	718	844	942	---	1,030	940	708	612
2	578	423	470	566	723	856	935	---	1,030	959	742	608
3	544	422	470	589	736	879	944	---	1,030	958	774	617
4	502	420	470	603	733	880	945	---	1,030	951	748	622
5	503	422	470	612	738	869	930	---	1,020	932	696	632
6	496	431	470	627	747	862	947	---	1,020	896	659	630
7	491	435	485	629	735	875	969	---	1,040	884	651	602
8	467	429	501	648	733	888	961	---	1,050	886	646	568
9	490	431	498	659	740	875	968	---	1,060	803	672	553
10	491	436	482	634	758	873	970	---	1,060	756	666	570
11	463	425	483	654	817	873	973	---	1,060	840	634	588
12	442	426	521	676	853	881	977	---	1,040	828	616	614
13	453	438	517	666	839	886	982	---	1,030	812	615	639
14	515	437	491	642	847	904	970	---	1,040	794	608	648
15	541	434	493	656	854	911	969	---	1,060	793	609	637
16	488	430	544	697	877	908	973	---	1,060	776	600	643
17	448	430	501	736	864	911	988	---	1,050	765	609	645
18	455	430	490	697	826	907	1,050	1,010	1,040	768	616	646
19	459	432	491	702	824	907	1,040	1,010	1,040	762	614	649
20	451	436	536	697	838	909	1,010	1,010	1,050	774	606	645
21	442	445	543	697	836	915	984	1,000	1,050	776	576	639
22	440	456	535	711	824	924	988	998	1,040	790	566	634
23	446	465	532	725	833	947	988	1,000	1,050	727	571	629
24	425	469	506	716	833	937	985	1,010	1,040	718	592	626
25	421	468	493	708	836	928	1,000	1,010	1,040	715	623	618
26	423	465	496	702	845	917	1,010	1,020	1,020	720	597	619
27	419	473	519	712	843	917	996	1,020	1,010	707	609	619
28	422	472	523	713	833	935	---	1,020	993	792	620	618
29	426	468	515	702	---	941	---	1,030	962	776	623	617
30	424	467	512	708	---	929	---	1,030	942	724	626	616
31	423	---	520	714	---	932	---	1,040	---	716	626	---

ST. JOHNS RIVER ABOVE OCKLAWAHA RIVER

291830081362200 LAKE GEORGE AT MARKER 5 NEAR SALT SPRINGS, FL—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.2	23.9	19.5	12.6	13.5	17.0	21.5	---	26.6	28.5	29.8	29.7
2	26.4	24.2	19.2	13.1	13.6	15.8	21.8	---	26.3	28.7	29.9	29.9
3	26.6	24.4	18.6	14.2	13.7	15.3	20.6	---	26.2	28.7	30.0	29.7
4	26.7	24.6	17.9	14.6	13.4	14.7	19.9	---	25.9	28.7	30.0	29.2
5	27.0	24.1	17.2	14.9	13.0	14.9	19.9	---	26.2	28.8	30.0	28.5
6	27.0	23.0	17.2	15.6	13.2	14.9	20.5	---	26.6	28.9	29.7	27.9
7	26.4	22.5	18.1	15.6	13.5	15.4	21.2	---	27.2	29.1	29.7	27.4
8	25.8	21.9	18.5	16.3	13.9	16.1	21.3	---	27.6	29.5	29.5	27.0
9	25.6	21.4	19.2	16.5	14.2	15.6	21.3	---	27.8	29.4	29.5	26.5
10	25.7	21.0	19.4	15.5	15.1	15.0	21.6	---	27.6	28.7	29.5	26.4
11	25.6	21.0	18.7	17.5	14.1	15.5	21.6	---	27.1	28.5	29.7	26.7
12	25.2	21.2	17.1	18.3	13.8	15.7	22.0	---	27.3	28.7	29.8	26.9
13	25.2	21.4	16.5	18.7	13.9	16.1	22.4	---	27.5	29.2	29.8	27.3
14	24.7	21.4	15.8	18.8	14.4	16.9	21.9	---	27.9	29.4	30.0	27.2
15	24.2	21.1	13.7	17.8	14.7	17.4	21.0	---	28.4	29.5	29.7	27.1
16	23.1	20.5	12.8	16.3	15.6	17.9	20.2	---	28.3	29.3	29.9	27.3
17	23.2	20.2	12.8	15.1	16.7	18.4	19.8	---	28.4	29.3	30.1	27.9
18	23.2	19.9	12.9	13.8	16.3	17.4	19.6	26.1	28.3	29.5	30.0	28.0
19	23.4	19.9	13.0	13.1	15.9	16.6	20.0	26.4	27.9	29.5	30.1	28.3
20	23.8	20.0	12.3	13.0	15.9	16.7	20.2	26.5	28.2	29.5	30.2	28.2
21	24.1	20.3	11.7	13.0	16.6	17.0	20.3	26.6	28.0	29.8	30.2	28.0
22	24.2	20.5	12.1	13.6	17.0	17.6	20.8	26.3	27.8	30.3	30.3	27.8
23	23.8	20.7	12.7	13.4	17.6	18.6	21.0	26.7	28.1	30.4	30.3	27.7
24	23.4	21.2	12.9	11.8	18.5	18.7	20.3	26.8	28.0	30.3	30.4	27.9
25	23.5	21.2	12.5	11.8	18.7	19.2	19.8	26.7	27.7	30.5	30.2	28.1
26	23.6	19.8	12.2	12.2	18.3	19.3	20.1	26.2	28.2	30.2	30.0	28.0
27	23.4	19.3	11.2	12.7	17.8	19.7	20.2	26.0	28.7	30.0	30.1	28.0
28	23.4	19.3	11.3	13.0	17.6	20.3	---	26.3	28.6	30.1	30.1	27.9
29	23.8	19.2	11.4	13.2	---	20.0	---	26.3	28.6	30.3	30.0	27.6
30	23.8	19.3	12.0	13.8	---	20.0	---	27.0	28.4	29.8	30.0	27.8
31	23.8	---	12.2	13.7	---	20.4	---	27.1	---	29.7	29.8	---

 DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	6.3	8.5	10.6	10.5	9.6	8.8	---	8.4	---	5.6	6.4
2	6.3	6.4	8.4	10.3	10.5	9.9	8.7	---	8.5	---	5.6	6.4
3	5.8	6.2	8.6	10.3	10.4	10.0	8.7	---	8.8	---	5.4	6.5
4	5.0	6.3	8.7	10.2	10.5	10.1	8.5	---	8.7	---	4.8	6.6
5	5.2	7.0	8.8	10.2	10.7	10.3	8.6	---	9.3	---	---	6.7
6	5.8	7.4	8.7	10.1	10.8	10.4	8.5	---	9.2	---	---	7.0
7	6.7	7.3	8.6	9.9	10.7	10.5	8.3	---	9.5	---	---	7.1
8	7.1	7.3	8.4	9.8	10.6	10.2	8.2	---	8.9	8.0	---	7.1
9	7.0	7.6	8.4	9.5	10.6	10	8.4	---	8.3	7.6	---	7.1
10	6.9	7.9	8.5	9.3	10.5	10.3	8.6	---	8.2	7.5	---	7.1
11	6.7	7.9	8.8	8.7	10.5	10.6	8.5	---	8.2	9.0	5.5	7.0
12	6.4	7.7	9.1	8.7	10.4	10.5	8.6	---	8.5	---	5.1	7.0
13	6.7	7.6	9.4	8.4	10.4	10.7	8.2	---	8.9	---	5.0	7.2
14	7.5	7.8	9.8	8.1	10.5	10.8	7.8	---	9.3	---	5.2	7.3
15	7.8	8.0	10.4	8.2	10.3	10.4	7.9	---	10.6	---	5.4	7.1
16	7.6	8.3	10.8	8.3	10.4	10.3	8.0	---	9.5	---	5.8	7.2
17	7.3	8.2	10.9	8.4	10.3	9.7	8.0	---	---	---	5.8	7.6
18	7.2	8.3	10.8	8.4	10.0	9.9	7.8	7.7	6.8	---	5.7	7.0
19	6.8	8.1	10.8	8.4	10.1	10	7.7	7.5	---	---	5.5	6.9
20	6.7	8.0	11.0	8.2	10.0	10.2	7.6	7.4	---	7.0	5.5	6.8
21	6.5	7.9	10.9	8.1	10.1	10	7.7	7.3	---	7.6	5.0	6.8
22	6.9	7.9	10.9	8.1	10.0	10.1	7.6	7.6	8.1	8.2	5.2	6.7
23	7.5	7.8	10.7	---	9.9	9.8	7.6	8.0	8.7	7.8	5.6	6.6
24	7.1	7.8	10.7	---	9.6	9.5	8.0	8.2	9.2	---	5.8	6.5
25	6.6	8.2	10.7	10.7	9.3	9.3	8.3	8.3	9.4	---	6.1	6.8
26	6.6	8.5	10.7	10.6	9.2	8.8	8.6	8.5	10.1	---	6.1	6.7
27	6.8	8.6	11.0	10.6	9.4	8.7	8.6	8.8	---	---	6.2	6.6
28	6.8	8.6	11.0	10.6	9.3	8.7	---	9.2	---	---	6.4	6.7
29	6.8	8.6	10.9	10.5	---	8.8	---	9.0	---	6.5	6.4	6.9
30	6.4	8.5	10.8	10.4	---	8.7	---	9.4	---	6.1	6.5	7.1
31	6.3	---	10.7	10.4	---	8.6	---	8.5	---	5.9	6.4	---

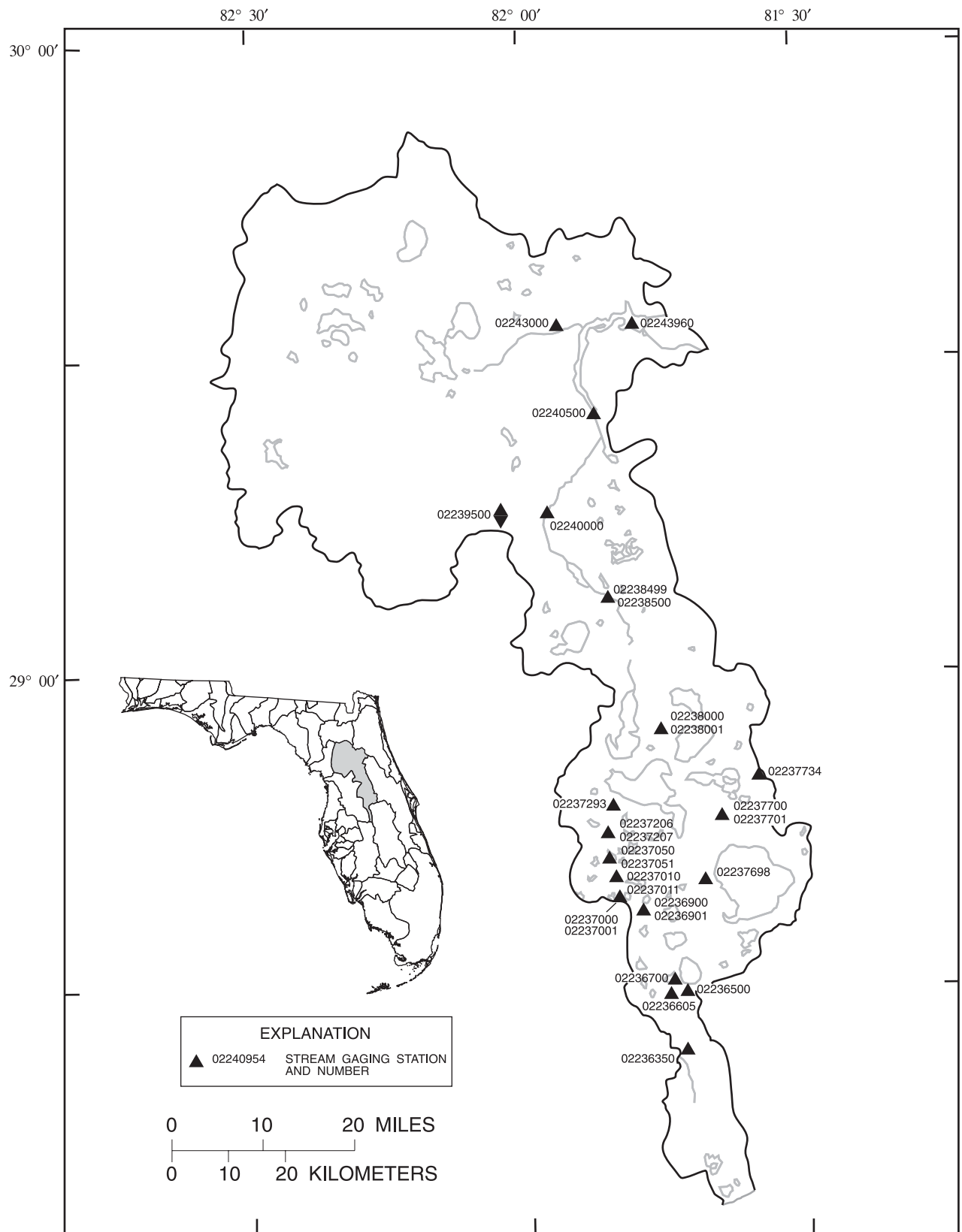


Figure 5.--Location of stream gaging stations in the Ocklawaha River basin.

02236350 GREEN SWAMP RUN NEAR EVA, FL

LOCATION.--Lat 28° 18'39", long 81° 41'08", in NW¹/₄ sec.14, T.25 S., R.26 E., Polk County, Hydrologic Unit 03080102, on left bank, 20 ft downstream from culverts on Sand Mine Road, 1.1 mi west of U.S. Highway 27, 9.1 mi east of Eva, and 12.8 mi upstream from mouth.

DRAINAGE AREA.--43 mi², approximately.

PERIOD OF RECORD.--July 1979 to current year.

GAGE.--Water-stage recorder. Datum of gage is 116.16 ft above NGVD of 1929.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. A maximum discharge, 182 ft³/s, and stage, 5.51 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 28, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	178	42	24	20	23	14	20	5.8	2.6	50	19	e19
2	170	41	24	20	23	14	20	5.8	2.9	55	19	e22
3	163	40	24	19	22	13	19	5.7	3.2	55	20	e28
4	156	38	23	19	22	13	18	5.9	3.7	53	20	e37
5	148	37	23	19	21	13	17	6.0	4.0	49	20	e37
6	141	35	23	e18	e21	13	16	6.1	4.1	42	21	e35
7	135	35	23	e18	20	13	15	6.0	4.1	38	22	e38
8	129	33	23	e18	20	12	14	5.8	4.0	34	e26	e41
9	121	32	23	e18	19	12	14	5.6	4.1	35	e27	e52
10	115	32	23	e18	19	12	13	5.4	4.3	42	e28	e66
11	110	31	23	e18	18	12	13	5.5	6.6	51	e27	e66
12	106	30	23	17	17	12	12	6.2	12	58	e26	e56
13	101	29	22	17	17	12	11	6.0	14	57	e25	e48
14	96	28	21	22	16	12	11	5.9	16	53	e25	e49
15	93	28	20	23	16	12	10	5.8	17	48	e27	44
16	90	27	19	24	15	13	9.7	5.5	17	42	e25	40
17	86	26	19	24	14	15	9.2	5.2	18	44	e23	37
18	81	25	19	23	14	17	8.6	4.9	18	46	e21	34
19	78	25	19	23	13	16	7.9	4.5	19	40	e18	31
20	74	24	18	23	13	16	7.6	4.2	19	38	e16	29
21	71	24	18	23	12	16	7.1	3.7	21	34	e17	27
22	68	23	17	24	12	16	6.4	3.4	21	30	e18	28
23	67	23	17	24	12	16	6.2	3.1	25	27	e19	28
24	61	23	17	24	12	18	6.1	2.7	28	26	e18	26
25	58	23	18	24	12	18	5.8	2.4	27	23	e16	24
26	55	24	21	24	12	21	5.6	2.1	26	21	e15	22
27	52	24	20	23	13	24	6.5	1.9	30	19	e15	21
28	50	25	20	23	14	24	6.3	1.7	42	18	e20	19
29	48	25	20	23	---	23	6.1	1.5	42	18	e20	19
30	46	25	20	23	---	22	5.9	1.3	45	19	e17	18
31	45	---	20	23	---	20	---	1.7	---	18	e17	---
TOTAL	2,992	877	644	659	462	484	328.0	137.3	500.6	1,183	647	1,041
MEAN	96.5	29.2	20.8	21.3	16.5	15.6	10.9	4.43	16.7	38.2	20.9	34.7
MAX	178	42	24	24	23	24	20	6.2	45	58	28	66
MIN	45	23	17	17	12	12	5.6	1.3	2.6	18	15	18
CFSM	2.24	0.68	0.48	0.49	0.38	0.36	0.25	0.10	0.39	0.89	0.49	0.81
IN.	2.59	0.76	0.56	0.57	0.40	0.42	0.28	0.12	0.43	1.02	0.56	0.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY)

	18.1	10.3	13.4	15.1	13.0	16.5	13.6	2.79	5.26	11.5	17.5	19.0
MEAN	18.1	10.3	13.4	15.1	13.0	16.5	13.6	2.79	5.26	11.5	17.5	19.0
MAX	96.5	55.7	114	116	122	158	60.7	15.7	34.6	73.6	138	95.6
(WY)	(2005)	(1983)	(1998)	(1998)	(1998)	(1998)	(1998)	(1987)	(1994)	(2003)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1980)	(1980)	(1979)	(1980)	(1980)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1979 - 2005

ANNUAL TOTAL	10,228.49	9,954.9	
ANNUAL MEAN	27.9	27.3	13.0
HIGHEST ANNUAL MEAN			55.0
LOWEST ANNUAL MEAN			0.11
HIGHEST DAILY MEAN	185	Sep 29	194
LOWEST DAILY MEAN	0.04	Jun 3	0.00
ANNUAL SEVEN-DAY MINIMUM	0.26	May 30	0.00
MAXIMUM PEAK FLOW			195
MAXIMUM PEAK STAGE			5.78
INSTANTANEOUS LOW FLOW			Apr 9, 1984
ANNUAL RUNOFF (CFSM)	0.650	1.2	0.303
ANNUAL RUNOFF (INCHES)	8.85	0.634	4.12
10 PERCENT EXCEEDS	78	52	42
50 PERCENT EXCEEDS	14	20	0.91
90 PERCENT EXCEEDS	3.7	5.9	0.00

e Estimated

OCKLAWAHA RIVER BASIN

02236500 BIG CREEK NEAR CLERMONT, FL

LOCATION.--Lat 28° 26' 51", long 81° 44' 25", in NE 1/4 sec. 31, T. 23 S., R. 26 E., Lake County, Hydrologic Unit 03080102, near left bank 40 ft downstream from log bridge, 1 mi upstream from mouth at Lake Louisa, and 7.5 mi southeast of Clermont.

DRAINAGE AREA.--68 mi², approximately.

PERIOD OF RECORD.--July 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 98.97 ft above NGVD of 1929.

REMARKS.--Records fair. A maximum discharge, 306 ft³/s, and stage, 5.89 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 26, 2004. Some interconnection at high stages with Little Creek and Withlacoochee River basin.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	302	104	47	28	18	17	57	7.6	8.0	61	40	36
2	295	100	45	28	17	18	53	7.2	9.1	71	44	38
3	285	97	42	27	17	18	48	6.4	8.7	74	43	40
4	276	93	40	27	17	19	44	6.1	8.7	74	41	46
5	267	89	38	26	16	19	40	6.3	9.5	69	40	50
6	260	85	36	26	16	18	37	6.9	8.3	62	41	54
7	252	81	35	25	16	18	34	6.3	6.9	57	46	59
8	241	77	33	25	15	17	32	5.8	5.7	57	53	61
9	233	74	32	24	15	17	29	5.2	5.2	62	60	61
10	224	71	31	23	15	18	27	4.6	5.8	77	62	60
11	218	69	31	22	15	17	24	5.2	8.4	84	58	57
12	210	67	30	22	14	16	22	8.1	16	122	55	54
13	202	65	29	21	14	16	21	7.2	16	138	54	50
14	193	63	28	24	14	16	19	6.3	16	155	50	45
15	188	61	27	26	13	18	18	5.6	15	160	45	41
16	180	59	26	27	13	20	16	5.0	14	154	40	37
17	174	56	25	27	12	26	15	5.5	13	148	36	33
18	169	54	25	26	12	32	14	4.8	12	140	32	30
19	165	52	24	26	12	36	12	4.1	11	127	28	27
20	163	50	23	25	11	39	11	3.6	10	115	27	25
21	161	48	22	25	11	43	11	3.1	9.1	103	31	23
22	156	46	21	24	11	46	9.4	2.6	8.8	92	29	22
23	149	44	21	23	11	52	8.7	2.3	12	84	27	22
24	143	43	20	22	12	57	8.2	1.9	17	77	26	22
25	137	52	22	21	11	59	7.6	1.7	17	70	26	21
26	131	54	26	21	12	70	7.3	1.4	17	63	25	20
27	126	53	27	20	15	76	10	1.2	20	58	25	19
28	120	54	27	20	17	76	9.4	1.1	36	53	29	24
29	116	52	28	19	---	73	8.6	0.94	43	48	35	43
30	112	49	28	19	---	67	7.7	0.77	53	45	35	41
31	107	---	29	18	---	62	---	3.5	---	41	34	---
TOTAL	5,955	1,962	918	737	392	1,096	660.9	138.31	440.2	2,741	1,217	1,161
MEAN	192	65.4	29.6	23.8	14.0	35.4	22.0	4.46	14.7	88.4	39.3	38.7
MAX	302	104	47	28	18	76	57	8.1	53	160	62	61
MIN	107	43	20	18	11	16	7.3	0.77	5.2	41	25	19
CFSM	2.82	0.96	0.44	0.35	0.21	0.52	0.32	0.07	0.22	1.30	0.58	0.57
IN.	3.26	1.07	0.50	0.40	0.21	0.60	0.36	0.08	0.24	1.50	0.67	0.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	34.4	20.7	20.2	25.4	23.7	33.3	23.1	6.94	7.86	22.4	33.4	43.9
MAX	238	112	147	177	139	268	200	72.2	63.8	205	190	413
(WY)	(1961)	(1960)	(1998)	(1998)	(1998)	(1960)	(1960)	(1959)	(1959)	(1959)	(1960)	(1960)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1981)	(1981)	(1994)	(1981)	(2001)	(1999)	(1994)	(1977)	(1981)	(1981)	(2001)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1958 - 2005

ANNUAL TOTAL	18,712.19	17,418.41				
ANNUAL MEAN	51.1	47.7	24.7			
HIGHEST ANNUAL MEAN			137			
LOWEST ANNUAL MEAN			0.12			
HIGHEST DAILY MEAN	310	Sep 29	302	Oct 1	684	Sep 13, 1960
LOWEST DAILY MEAN	0.04	Jul 26-28	0.77	May 30	0.00	Many days
ANNUAL SEVEN-DAY MINIMUM	0.05	Jul 24	1.3	May 24	0.00	Many days
MAXIMUM PEAK FLOW			164	Jul 15	691	Sep 13, 1960
MAXIMUM PEAK STAGE			5.13	Jul 14	6.23	Sep 13, 1960
INSTANTANEOUS LOW FLOW			0.63	May 31		
ANNUAL RUNOFF (CFSM)	0.752	0.702	0.364			
ANNUAL RUNOFF (INCHES)	10.24	9.53	4.94			
10 PERCENT EXCEEDS	191	118	66			
50 PERCENT EXCEEDS	21	27	6.3			
90 PERCENT EXCEEDS	0.19	7.7	0.02			

02236605 LITTLE CREEK AT GREEN SWAMP ROAD NEAR CLERMONT, FL

LOCATION.--Lat 28° 26'54", long 81° 46'54", in NE 1/4 sec.35, T.23 S., R.25 E., Lake County, Hydrologic Unit 03080102, 1.0 mi east of SR 561, 3.5 mi upstream from mouth, and 7.0 mi south of Clermont.

DRAINAGE AREA.--14.8 mi².

PERIOD OF RECORD.--June to September 2005.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is undetermined.

REMARKS.--Records fair. At high stages interconnection with Big Creek is possible.

EXTREMES FOR PERIOD JUNE TO SEPTEMBER 2005.--Maximum discharge, 73 ft³/s, July 17, gage height, 10.72 ft; minimum, 6.2 ft³/s, June 22, gage height, 9.42 ft.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD JUNE TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	36	36	33
2	---	---	---	---	---	---	---	---	---	41	35	33
3	---	---	---	---	---	---	---	---	---	39	36	33
4	---	---	---	---	---	---	---	---	---	37	36	34
5	---	---	---	---	---	---	---	---	---	34	35	36
6	---	---	---	---	---	---	---	---	---	31	35	37
7	---	---	---	---	---	---	---	---	---	29	39	40
8	---	---	---	---	---	---	---	---	---	29	47	40
9	---	---	---	---	---	---	---	---	---	41	52	39
10	---	---	---	---	---	---	---	---	---	53	53	37
11	---	---	---	---	---	---	---	---	15	58	48	35
12	---	---	---	---	---	---	---	---	35	66	44	32
13	---	---	---	---	---	---	---	---	30	68	44	30
14	---	---	---	---	---	---	---	---	25	69	39	28
15	---	---	---	---	---	---	---	---	21	68	36	26
16	---	---	---	---	---	---	---	---	17	65	33	24
17	---	---	---	---	---	---	---	---	14	64	30	22
18	---	---	---	---	---	---	---	---	12	66	27	20
19	---	---	---	---	---	---	---	---	9.8	61	24	18
20	---	---	---	---	---	---	---	---	8.2	57	23	17
21	---	---	---	---	---	---	---	---	7.2	53	24	16
22	---	---	---	---	---	---	---	---	7.9	51	22	16
23	---	---	---	---	---	---	---	---	16	49	21	19
24	---	---	---	---	---	---	---	---	31	47	18	19
25	---	---	---	---	---	---	---	---	26	46	16	17
26	---	---	---	---	---	---	---	---	21	44	15	15
27	---	---	---	---	---	---	---	---	24	42	15	14
28	---	---	---	---	---	---	---	---	40	40	20	17
29	---	---	---	---	---	---	---	---	35	40	30	40
30	---	---	---	---	---	---	---	---	34	43	31	37
31	---	---	---	---	---	---	---	---	---	40	31	---
MEAN	---	---	---	---	---	---	---	---	---	48.6	32.1	27.5
MAX	---	---	---	---	---	---	---	---	---	69	53	40
MIN	---	---	---	---	---	---	---	---	---	29	15	14
CFSM	---	---	---	---	---	---	---	---	---	3.28	2.17	1.86
IN.	---	---	---	---	---	---	---	---	---	3.79	2.50	2.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2005 - 2005, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	21.5	48.6	32.1	27.5
MAX	---	---	---	---	---	---	---	---	21.5	48.6	32.1	27.5
(WY)	---	---	---	---	---	---	---	---	(2005)	(2005)	(2005)	(2005)
MIN	---	---	---	---	---	---	---	---	21.5	48.6	32.1	27.5
(WY)	---	---	---	---	---	---	---	---	(2005)	(2005)	(2005)	(2005)

02236700 LITTLE CREEK NEAR CLERMONT, FL

LOCATION.--Lat 28° 27'39", long 81° 45'26", in NE 1/4 sec.25, T.23 S., R.25 E., Lake County, Hydrologic Unit 03080102, at downstream side of culverts on Lake Nellie Road, 0.6 mi upstream from Lake Louisa, 2.3 mi east of State Highway 561, and 6.1 mi south of Clermont.

DRAINAGE AREA.--14.7 mi².

PERIOD OF RECORD.--Water years 1945-47, 1952-56, 1966, 1967 (discharge measurements only), July 1958 to July 1960 (miscellaneous low-flow measurements only), July 1979 to February 2005 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 90.08 ft above NGVD of 1929. July 18, 1958 to July 5, 1960, non-recording gage at same site at different datum.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. A maximum discharge, 321 ft³/s, and stage, 10.28 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 29, 2004. Some interconnection at high stages with Big Creek is possible.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD OCTOBER 2004 TO FEBRUARY 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	308	59	e17	e8.3	3.0	---	---	---	---	---	---	---
2	287	50	e16	e8.2	2.6	---	---	---	---	---	---	---
3	268	46	e16	e8.0	2.6	---	---	---	---	---	---	---
4	250	43	e14	e7.9	2.6	---	---	---	---	---	---	---
5	230	40	e14	e7.8	2.4	---	---	---	---	---	---	---
6	218	38	e13	e7.4	2.2	---	---	---	---	---	---	---
7	207	36	e13	e6.9	2.2	---	---	---	---	---	---	---
8	190	35	e12	e6.5	2.4	---	---	---	---	---	---	---
9	178	25	e11	e6.1	1.9	---	---	---	---	---	---	---
10	166	8.3	e11	e6.0	1.9	---	---	---	---	---	---	---
11	159	3.8	e11	e5.8	1.9	---	---	---	---	---	---	---
12	156	35	e11	e5.6	1.7	---	---	---	---	---	---	---
13	151	58	e9.6	e5.3	1.6	---	---	---	---	---	---	---
14	145	36	e9.5	e6.2	1.6	---	---	---	---	---	---	---
15	141	27	e8.5	e6.6	1.4	---	---	---	---	---	---	---
16	135	22	e8.3	e6.5	1.2	---	---	---	---	---	---	---
17	128	20	e8.1	e6.4	---	---	---	---	---	---	---	---
18	121	18	e7.8	e6.2	---	---	---	---	---	---	---	---
19	114	16	e7.4	6.0	---	---	---	---	---	---	---	---
20	108	15	e6.9	e5.9	---	---	---	---	---	---	---	---
21	98	14	e6.6	e5.6	---	---	---	---	---	---	---	---
22	50	13	e6.2	e5.3	---	---	---	---	---	---	---	---
23	106	13	e6.0	e5.2	---	---	---	---	---	---	---	---
24	112	12	e5.7	e4.8	---	---	---	---	---	---	---	---
25	88	16	e6.4	e4.4	---	---	---	---	---	---	---	---
26	77	16	e7.4	e4.2	---	---	---	---	---	---	---	---
27	70	17	e8.0	e4.0	---	---	---	---	---	---	---	---
28	41	19	e8.2	e3.8	---	---	---	---	---	---	---	---
29	21	19	e8.3	e3.6	---	---	---	---	---	---	---	---
30	93	e18	e8.4	e3.4	---	---	---	---	---	---	---	---
31	78	---	e8.3	e3.1	---	---	---	---	---	---	---	---
TOTAL	4,494	788.1	304.6	181.0	---	---	---	---	---	---	---	---
MEAN	145	26.3	9.83	5.84	---	---	---	---	---	---	---	---
MAX	308	59	17	8.3	---	---	---	---	---	---	---	---
MIN	21	3.8	5.7	3.1	---	---	---	---	---	---	---	---
CFSM	9.86	1.79	0.67	0.40	---	---	---	---	---	---	---	---
IN.	11.37	1.99	0.77	0.46	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY)

	21.8	10.5	15.9	21.4	18.5	22.2	15.1	3.27	4.26	11.0	22.1	29.4
MEAN	21.8	10.5	15.9	21.4	18.5	22.2	15.1	3.27	4.26	11.0	22.1	29.4
MAX	145	42.8	123	154	119	127	87.8	15.2	41.8	64.0	149	134
(WY)	(2005)	(1996)	(1998)	(1998)	(1998)	(1998)	(1987)	(1998)	(1991)	(1984)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1981)	(1980)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

WATER YEARS 1979 - 2005

ANNUAL TOTAL	12,550.40		
ANNUAL MEAN	34.3		
HIGHEST ANNUAL MEAN		15.9	
LOWEST ANNUAL MEAN		67.9	2003
HIGHEST DAILY MEAN	371	0.00	2001
LOWEST DAILY MEAN	0.00	0.00	Sep 29, 2004
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00	Many days
MAXIMUM PEAK FLOW	0.00	0.00	Many days
MAXIMUM PEAK STAGE		*850	Mar 18, 1960
ANNUAL RUNOFF (CFSM)	2.33	*10.85	Mar 18, 1960
ANNUAL RUNOFF (INCHES)	31.76	1.08	
10 PERCENT EXCEEDS	108	14.67	
50 PERCENT EXCEEDS	11	49	
90 PERCENT EXCEEDS	0.00	2.2	
		0.00	

e Estimated
* From floodmark

02236900 PALATLAKAHA RIVER AT CHERRY LAKE OUTLET, NEAR GROVELAND, FL

LOCATION.--Lat 28° 35'33", long 81° 49'21", in NE¹/₄ sec.8, T.22 S., R.25 E., Lake County, Hydrologic Unit 03080102, near left bank 21 ft upstream from spillway at outlet of Cherry Lake, and 3 mi northeast of Groveland.

DRAINAGE AREA.--165 mi².

PERIOD OF RECORD.--September 1956 to February 1957 (gage heights and discharge measurements only), March 1957 to current year.

REVISED RECORDS.--WDR FL-72-1: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (Gee and Jenson, Inc. bench mark). Auxiliary gage at downstream side of spillway structure.

REMARKS.--Records fair. Since 1956, flow regulated by earthen dam and concrete spillway with radial lift gates at outlet. Discharge computed from relation between discharge, head, and gate openings. An undetermined amount of water is diverted at times through a gated culvert in earthen dam for irrigation of citrus groves.

COOPERATION.--Gate-opening record provided by Lake County Water Authority.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	473	391	69	4.2	19	4.1	45	3.9	3.9	166	53	54
2	471	362	68	4.2	4.1	4.1	44	3.9	3.9	165	53	54
3	465	352	68	4.2	4.2	4.1	44	3.9	3.9	163	54	55
4	477	324	68	4.2	4.2	4.1	27	3.9	3.9	162	75	56
5	476	314	68	4.3	4.2	4.1	4.1	3.9	3.9	231	105	55
6	483	315	68	4.3	4.2	4.1	4.1	3.9	3.9	345	105	55
7	479	317	68	32	4.2	4.1	4.1	3.9	3.9	347	104	121
8	476	317	68	33	4.1	4.1	4.1	3.9	3.9	324	172	174
9	469	204	68	33	4.1	4.1	4.1	3.9	3.9	332	429	171
10	471	118	68	33	4.1	4.1	4.1	3.9	4.0	355	492	171
11	466	111	68	33	4.1	4.1	4.1	3.8	4.1	347	435	171
12	468	113	68	39	4.1	4.1	4.1	3.9	4.2	376	414	119
13	458	115	68	44	4.1	4.1	4.0	3.9	117	401	407	54
14	475	116	52	52	4.1	4.1	4.0	3.9	116	384	375	54
15	477	117	19	68	4.1	4.1	4.0	3.9	81	398	246	54
16	448	118	4.1	67	4.1	4.1	3.9	3.8	37	453	190	24
17	448	88	4.1	67	4.1	4.2	3.9	3.9	24	441	203	4.0
18	450	69	4.1	66	4.0	28	3.9	3.9	24	436	205	4.0
19	458	69	4.1	66	4.0	44	3.9	3.8	24	447	153	4.0
20	457	69	4.1	50	4.0	44	3.9	3.8	12	464	90	4.0
21	465	69	4.1	42	4.0	44	3.8	3.7	4.1	464	93	4.0
22	462	69	4.1	42	4.0	44	3.8	3.7	4.1	493	95	4.0
23	461	69	4.1	42	4.0	44	3.8	3.8	4.1	547	96	4.1
24	456	69	4.1	42	4.0	44	3.7	3.8	27	524	97	4.1
25	460	69	4.1	37	4.0	44	3.7	3.8	56	490	98	4.0
26	461	69	4.2	33	4.0	70	3.7	3.8	56	483	100	4.0
27	461	69	4.2	33	4.1	123	3.8	3.7	55	276	101	4.0
28	464	69	4.2	33	4.1	121	3.8	3.7	114	115	103	4.1
29	461	69	4.2	33	---	122	3.7	3.8	170	66	73	60
30	457	69	4.2	33	---	88	3.7	3.9	168	52	53	109
31	452	---	4.2	33	---	55	---	4.0	---	52	54	---
TOTAL	14,405	4,689	1,022.2	1,111.4	129.3	984.8	261.8	119.3	1,140.7	10,299	5,323	1,659.3
MEAN	465	156	33.0	35.9	4.62	31.8	8.73	3.85	38.0	332	172	55.3
MAX	483	391	69	68	19	123	45	4.0	170	547	492	174
MIN	448	69	4.1	4.2	4.0	4.1	3.7	3.7	3.9	52	53	4.0
CFSM	2.82	0.95	0.20	0.22	0.03	0.19	0.05	0.02	0.23	2.01	1.04	0.34
IN.	3.25	1.06	0.23	0.25	0.03	0.22	0.06	0.03	0.26	2.32	1.20	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

	48.1	25.6	20.0	33.1	34.3	52.0	44.5	22.0	16.3	32.8	45.5	57.9
MEAN	465	309	204	408	369	417	516	334	245	332	455	484
(WY)	(2005)	(1961)	(1970)	(1998)	(1998)	(1998)	(1960)	(1960)	(1959)	(2005)	(2003)	(2003)
MIN	-1.33	-6.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.02
(WY)	(2002)	(2003)	(1962)	(1963)	(1962)	(1962)	(1962)	(1962)	(1961)	(1961)	(1961)	(1994)

02236900 PALATLAKAHA RIVER AT CHERRY LAKE OUTLET, NEAR GROVELAND, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1957 - 2005	
ANNUAL TOTAL	34,529.4		41,144.8		35.8	
ANNUAL MEAN	94.3		113		238	
HIGHEST ANNUAL MEAN					-0.31	
LOWEST ANNUAL MEAN					1994	
HIGHEST DAILY MEAN	538	Sep 6	547	Jul 23	619	Sep 8, 2003
LOWEST DAILY MEAN	3.0	Aug 6	3.7	Many days	-39	Nov 16, 2002
ANNUAL SEVEN-DAY MINIMUM	3.1	Jul 31	3.7	Apr 24	-26	Nov 15, 2002
MAXIMUM PEAK STAGE			97.11	Oct 6	98.15	Apr 22, 1959
ANNUAL RUNOFF (CFSM)	0.572		0.683		0.217	
ANNUAL RUNOFF (INCHES)	7.78		9.28		2.95	
10 PERCENT EXCEEDS	426		452		138	
50 PERCENT EXCEEDS	4.1		44		2.0	
90 PERCENT EXCEEDS	3.4		3.9		0.00	

Note.--Negative figures indicate reverse flow

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97.06	96.61	96.84	96.81	96.74	96.69	96.77	96.53	96.50	96.78	96.82	96.56
2	97.06	96.67	96.83	96.81	96.75	96.67	96.75	96.51	96.50	96.79	96.82	96.57
3	97.06	96.68	96.81	96.82	96.79	96.67	96.72	96.50	96.50	96.80	96.84	96.65
4	97.07	96.68	96.81	96.82	96.78	96.68	96.72	96.51	96.50	96.78	96.87	96.67
5	97.08	96.67	96.80	96.83	96.78	96.68	96.73	96.54	96.51	96.73	96.83	96.67
6	97.09	96.63	96.80	96.83	96.78	96.68	96.74	96.55	96.51	96.56	96.86	96.67
7	97.09	96.60	96.80	96.84	96.77	96.68	96.73	96.54	96.51	96.43	96.89	96.70
8	97.08	96.56	96.80	96.84	96.74	96.65	96.70	96.53	96.51	96.36	96.87	96.61
9	97.07	96.59	96.80	96.83	96.74	96.67	96.67	96.51	96.55	96.42	96.70	96.56
10	97.06	96.70	96.80	96.83	96.72	96.67	96.66	96.50	96.58	96.65	96.48	96.54
11	97.07	96.74	96.79	96.83	96.68	96.67	96.66	96.47	96.66	96.65	96.39	96.52
12	97.08	96.75	96.76	96.83	96.68	96.65	96.65	96.48	96.78	96.68	96.34	96.51
13	97.07	96.76	96.75	96.83	96.69	96.65	96.62	96.50	96.85	96.63	96.30	96.56
14	97.05	96.78	96.73	96.85	96.69	96.66	96.61	96.50	96.74	96.59	96.23	96.57
15	97.02	96.78	96.68	96.82	96.69	96.68	96.57	96.48	96.70	96.61	96.25	96.57
16	96.92	96.76	96.67	96.78	96.68	96.69	96.54	96.47	96.70	96.70	96.38	96.59
17	96.89	96.76	96.68	96.77	96.67	96.77	96.52	96.48	96.70	96.64	96.37	96.61
18	96.87	96.79	96.69	96.74	96.65	96.79	96.51	96.48	96.69	96.60	96.34	96.61
19	96.85	96.81	96.68	96.71	96.64	96.76	96.51	96.45	96.67	96.61	96.37	96.61
20	96.83	96.81	96.66	96.71	96.64	96.76	96.49	96.43	96.67	96.62	96.48	96.60
21	96.82	96.81	96.67	96.72	96.64	96.77	96.47	96.41	96.66	96.59	96.49	96.62
22	96.79	96.81	96.69	96.73	96.63	96.77	96.45	96.40	96.67	96.60	96.49	96.64
23	96.77	96.81	96.70	96.71	96.62	96.81	96.44	96.45	96.68	96.66	96.47	96.65
24	96.75	96.81	96.69	96.71	96.63	96.81	96.42	96.46	96.70	96.61	96.45	96.65
25	96.74	96.84	96.72	96.76	96.63	96.82	96.41	96.46	96.69	96.53	96.45	96.65
26	96.72	96.83	96.77	96.77	96.62	96.87	96.42	96.43	96.68	96.48	96.45	96.64
27	96.69	96.83	96.77	96.78	96.69	96.81	96.46	96.42	96.71	96.42	96.43	96.64
28	96.67	96.84	96.78	96.76	96.72	96.78	96.43	96.41	96.83	96.50	96.44	96.69
29	96.65	96.84	96.79	96.78	---	96.74	96.41	96.44	96.79	96.64	96.48	96.79
30	96.63	96.84	96.80	96.77	---	96.73	96.42	96.49	96.80	96.79	96.48	96.77
31	96.60	---	96.80	96.75	---	96.76	---	96.60	---	96.82	96.51	---
MEAN	96.91	96.75	96.75	96.79	96.70	96.73	96.57	96.48	96.65	96.62	96.53	96.62
MAX	97.09	96.84	96.84	96.85	96.79	96.87	96.77	96.60	96.85	96.82	96.89	96.79
MIN	96.60	96.56	96.66	96.71	96.62	96.65	96.41	96.40	96.50	96.36	96.23	96.51
CAL YR	2004	MEAN 96.59	MAX 97.42	MIN 95.95								
WTR YR	2005	MEAN 96.68	MAX 97.09	MIN 96.23								

02236901 PALATLAKAHA RIVER BELOW SPILLWAY AT CHERRY LAKE OUTLET, NEAR GROVELAND, FL

LOCATION.--Lat 28° 35' 32", long 81° 49' 22", in NE 1/4 sec. 8, T. 22 S., R. 25 E., Lake County, Hydrologic Unit 03080102, near left bank 20 ft downstream from spillway at outlet of Cherry Lake, and 3 mi northeast of Groveland.

DRAINAGE AREA.--165 mi².

PERIOD OF RECORD.--September 1956 to July 1957 (fragmentary), August 1957 to current year (gage heights only). Prior to October 1968, published as Palatlahaha Creek at Cherry Lake Outlet, near Groveland (auxiliary).

REVISED RECORDS.--WDR FL-72-1: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (Gee and Jenson, Inc. bench mark). Prior to Aug. 20, 1957, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 97.73 ft, Apr. 5, 1960; minimum unknown, below lowest recordable stage.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	96.66	96.22	95.33	95.18	95.06	95.02	95.06	94.75	94.66	95.48	95.37	94.96
2	96.66	96.14	95.33	95.18	95.05	95.00	95.05	94.74	94.65	95.50	95.34	94.97
3	96.67	96.09	95.33	95.18	95.06	94.99	95.03	94.72	94.64	95.52	95.33	94.99
4	96.66	96.05	95.32	95.18	95.06	95.00	95.01	94.74	94.64	95.51	95.34	94.99
5	96.67	96.00	95.31	95.18	95.05	95.00	95.00	94.77	94.65	95.56	95.37	95.00
6	96.67	95.96	95.31	95.18	95.05	94.99	94.98	94.78	94.65	95.72	95.41	95.02
7	96.67	95.92	95.30	95.19	95.04	94.98	94.98	94.76	94.64	95.78	95.46	95.12
8	96.67	95.89	95.30	95.21	95.04	94.98	94.97	94.75	94.64	95.79	95.51	95.22
9	96.67	95.81	95.30	95.22	95.04	94.98	94.95	94.74	94.67	95.82	95.76	95.23
10	96.66	95.64	95.30	95.23	95.04	94.99	94.94	94.72	94.68	95.94	96.03	95.21
11	96.68	95.55	95.30	95.23	95.02	94.99	94.92	94.75	94.71	95.97	96.06	95.18
12	96.68	95.50	95.29	95.24	95.01	94.98	94.92	94.78	94.72	96.06	96.04	95.12
13	96.69	95.47	95.28	95.25	95.00	94.97	94.91	94.77	94.86	96.08	96.01	94.99
14	96.64	95.47	95.25	95.30	95.00	94.96	94.88	94.76	94.95	96.08	95.99	94.98
15	96.61	95.44	95.21	95.35	94.99	94.96	94.86	94.75	94.97	96.13	95.89	94.99
16	96.56	95.41	95.17	95.35	94.99	94.97	94.84	94.74	94.95	96.20	95.74	94.98
17	96.53	95.35	95.14	95.35	94.99	95.04	94.82	94.72	94.95	96.17	95.66	94.96
18	96.51	95.27	95.12	95.34	94.97	95.10	94.81	94.71	94.95	96.14	95.62	94.94
19	96.48	95.26	95.09	95.33	94.95	95.11	94.79	94.69	94.95	96.12	95.57	94.92
20	96.46	95.26	95.06	95.32	94.95	95.11	94.78	94.68	94.93	96.11	95.41	94.92
21	96.44	95.27	95.05	95.29	94.94	95.11	94.77	94.66	94.92	96.08	95.34	94.92
22	96.42	95.27	95.05	---	94.94	95.12	94.76	94.64	94.94	96.03	95.29	94.93
23	96.40	95.28	95.06	---	94.93	95.19	94.75	94.70	94.93	95.97	95.24	94.93
24	96.39	95.28	95.08	95.21	94.93	95.19	94.75	94.74	94.94	95.97	95.20	94.92
25	96.37	95.33	95.12	95.18	94.93	95.21	94.73	94.71	94.99	95.97	95.17	94.91
26	96.35	95.33	95.19	95.16	94.92	95.29	94.73	94.68	94.98	95.94	95.12	94.90
27	96.33	95.33	95.18	95.14	94.99	95.36	94.79	94.67	95.04	95.81	95.07	94.90
28	96.30	95.34	95.18	95.13	95.04	95.36	94.77	94.67	95.26	95.59	95.03	94.94
29	96.29	95.34	95.18	95.12	---	95.31	94.76	94.70	95.43	95.41	94.97	95.14
30	96.27	95.33	95.18	95.11	---	95.23	94.75	94.75	95.46	95.40	94.90	95.21
31	96.26	---	95.18	95.09	---	95.12	---	94.84	---	95.39	94.92	---
MEAN	96.53	95.56	95.21	---	95.00	95.08	94.87	94.73	94.88	95.85	95.46	95.01
MAX	96.69	96.22	95.33	---	95.06	95.36	95.06	94.84	95.46	96.20	96.06	95.23
MIN	96.26	95.26	95.05	---	94.92	94.96	94.73	94.64	94.64	95.39	94.90	94.90

02237000 PALATLAKAHA RIVER NEAR MASCOTTE, FL

LOCATION.--Lat 28° 36'56", long 81° 51'53", in SW¹/₄ sec.36, T.21 S., R.24 E., Lake County, Hydrologic Unit 03080102, on left bank 260 ft upstream from spillway, 0.4 mi downstream from bridge on State Highway 565, 0.7 mi downstream from Lake Emma, and 3.2 mi northeast of Mascotte.

DRAINAGE AREA.--182 mi².

PERIOD OF RECORD.--May 1945 to February 1956, April 1964 to September 1965, October 1965 to September 1995 (gage heights and periodic discharge measurements only), January 2002 to current year (gage heights only).

REVISED RECORDS.--WDR FL-72-1: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929. Prior to May 21, 1946, nonrecording gage and May 21, 1946 to Mar. 20, 1956, water-stage recorder, at site 0.5 mi upstream at datum 89.54 ft higher. Since Apr. 6, 1964, auxiliary water-stage recorder on left bank 260 ft downstream from spillway.

REMARKS.--Since Dec. 4, 1963, flow regulated at station by manipulation of gates in spillway. From March 1956 to December 1963, flow was regulated through two box culverts with radial lift gates.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 458 ft³/s, Oct. 4,5, 1945; maximum gage height, 96.66 ft, former site, present datum, Oct. 11,12, 1953; gates closed and no flow or leakage only for many days in 1972-83, 2002; minimum gage height unknown, below lowest recordable stage.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94.71	94.88	95.18	95.14	95.01	94.97	94.95	94.69	94.61	94.68	95.20	94.77
2	94.73	94.98	95.17	95.14	95.02	94.96	94.94	94.67	94.61	94.69	95.13	94.78
3	94.71	94.95	95.15	95.14	95.02	94.95	94.92	94.67	94.61	94.71	95.10	94.80
4	94.74	94.89	95.15	95.14	95.01	94.96	94.92	94.68	94.61	94.75	95.04	94.80
5	94.77	94.83	95.14	95.14	95.01	94.95	94.93	94.71	94.62	94.69	94.89	94.82
6	94.80	94.77	95.14	95.15	95.01	94.95	94.92	94.71	94.61	94.46	94.89	94.83
7	94.80	94.71	95.14	95.15	95.00	94.94	94.92	94.70	94.60	94.33	94.93	94.75
8	94.80	94.65	95.14	95.17	95.00	94.93	94.90	94.69	94.61	94.32	94.66	94.55
9	94.80	94.80	95.14	95.18	95.00	94.93	94.88	94.67	94.64	94.40	94.32	94.49
10	94.81	95.05	95.14	95.19	94.99	94.95	94.87	94.66	94.66	94.56	93.91	94.45
11	94.83	95.05	95.13	95.19	94.97	94.94	94.86	94.66	94.71	94.63	93.88	94.41
12	94.86	95.01	95.11	95.19	94.97	94.93	94.85	94.72	94.79	94.68	93.91	94.51
13	94.87	94.98	95.10	95.20	94.97	94.93	94.83	94.71	94.85	94.55	93.96	94.76
14	94.87	94.98	95.10	95.22	94.96	94.92	94.81	94.69	94.74	94.54	93.95	94.82
15	94.88	94.94	95.12	95.20	94.96	94.93	94.79	94.67	94.73	94.52	94.19	94.85
16	94.87	94.88	95.10	95.20	94.95	94.94	94.77	94.66	94.82	94.47	94.44	94.88
17	94.84	94.95	95.08	95.20	94.94	95.00	94.75	94.64	94.85	94.46	94.44	94.88
18	94.81	95.08	95.06	95.18	94.92	95.04	94.74	94.64	94.85	94.45	94.41	94.87
19	94.78	95.10	95.04	95.18	94.91	95.03	94.73	94.62	94.86	94.43	94.52	94.86
20	94.75	95.10	95.01	95.19	94.91	95.03	94.72	94.60	94.86	94.43	94.73	94.85
21	94.71	95.11	95.01	95.17	94.90	95.04	94.71	94.58	94.87	94.38	94.76	94.86
22	94.75	95.11	95.01	95.15	94.89	95.05	94.69	94.56	94.89	94.33	94.73	94.86
23	94.78	95.12	95.03	95.12	94.89	95.10	94.69	94.54	94.88	94.28	94.68	94.87
24	94.77	95.13	95.04	95.08	94.89	95.10	94.68	94.52	94.85	94.23	94.63	94.86
25	94.76	95.17	95.08	95.08	94.88	95.12	94.66	94.50	94.82	---	94.59	94.85
26	94.74	95.16	95.13	95.09	94.87	95.12	94.67	94.49	94.82	---	94.56	94.84
27	94.76	95.17	95.13	95.07	94.96	94.88	94.72	94.47	94.85	94.52	94.51	94.83
28	94.81	95.18	95.13	95.06	94.99	94.79	94.71	94.46	94.80	94.76	94.46	94.87
29	94.82	95.18	95.14	95.06	---	94.71	94.70	94.44	94.65	95.03	94.54	94.98
30	94.83	95.18	95.14	95.04	---	94.77	94.69	94.42	94.69	95.21	94.67	94.91
31	94.83	---	95.14	95.02	---	94.90	---	94.49	---	95.23	94.72	---
MEAN	94.79	95.00	95.11	95.14	94.96	94.96	94.80	94.61	94.75	---	94.56	94.78
MAX	94.88	95.18	95.18	95.22	95.02	95.12	94.95	94.72	94.89	---	95.20	94.98
MIN	94.71	94.65	95.01	95.02	94.87	94.71	94.66	94.42	94.60	---	93.88	94.41

02237001 PALATLAKAHA RIVER BELOW SPILLWAY, NEAR MASCOTTE, FL

LOCATION.--Lat 28° 36' 57", long 81° 51' 58", in SW $\frac{1}{4}$ sec. 36, T. 21 S., R. 24 E., Lake County, Hydrologic Unit 03080102, on left bank 260 ft downstream from spillway, 0.4 mi downstream from bridge on State Highway 565, 0.7 mi downstream from Lake Emma, and 3.2 mi northeast of Mascotte.

DRAINAGE AREA.--182 mi².

PERIOD OF RECORD.--April 1964 to September 1995 and January 2002 to current year (gage heights only).

REVISED RECORDS.--WDR FL-72-1: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 93.00 ft, Oct. 1, 1979, Sept. 6, 2004; minimum unknown, below lowest recordable stage.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92.44	92.08	91.25	91.46	90.96	91.09	91.36	91.08	90.94	91.23	91.72	90.97
2	92.46	91.95	91.26	91.46	90.96	91.08	91.32	91.08	90.95	91.29	91.67	91.04
3	92.48	91.90	91.26	91.46	---	91.09	91.27	91.08	90.95	91.33	91.63	91.08
4	92.48	91.89	91.26	91.46	---	91.11	91.21	91.11	90.95	91.34	91.60	91.10
5	92.47	91.89	---	91.46	---	91.11	91.20	91.15	90.97	91.36	91.50	91.13
6	92.46	91.87	---	91.46	---	91.11	91.20	91.16	90.98	91.35	91.45	91.16
7	92.45	91.85	---	91.46	---	91.11	91.19	91.16	90.97	91.40	91.43	91.23
8	92.44	91.83	---	91.46	90.94	91.11	91.19	91.16	90.96	91.43	91.51	91.19
9	92.45	91.77	---	91.46	90.94	91.12	91.19	91.14	90.98	91.50	91.75	91.13
10	92.45	91.74	---	91.45	90.94	91.15	91.18	91.14	90.98	91.61	91.99	91.08
11	92.47	91.73	---	91.38	90.94	91.14	91.17	91.14	90.99	91.60	92.03	91.04
12	92.48	91.72	---	91.31	90.93	91.14	91.16	91.16	91.04	91.70	92.02	90.93
13	92.48	91.72	91.12	91.24	90.92	91.14	91.15	91.16	91.10	91.74	91.98	90.74
14	92.46	91.77	91.09	91.23	90.92	91.14	91.14	91.14	90.84	91.75	91.97	90.67
15	92.46	91.74	91.03	91.24	90.92	91.16	91.13	91.13	90.79	91.77	91.94	90.63
16	92.45	91.71	91.01	91.20	90.93	91.17	91.12	91.11	90.76	91.82	92.02	90.65
17	92.47	91.66	91.09	91.18	90.93	91.23	91.10	91.09	90.76	91.84	91.97	90.68
18	92.48	91.54	91.15	91.16	90.94	91.27	91.09	91.08	90.76	91.85	91.77	90.71
19	92.48	91.49	91.21	91.13	90.93	91.20	91.08	91.06	90.76	91.86	91.63	90.73
20	92.48	91.45	91.24	91.11	90.93	91.13	91.07	91.03	90.74	91.86	91.53	90.83
21	92.49	91.41	91.24	91.14	90.93	91.09	91.07	91.01	90.73	91.84	91.47	90.86
22	92.46	91.38	91.24	91.16	90.94	91.05	91.06	90.99	90.75	91.83	91.38	90.91
23	92.39	91.35	91.26	91.18	90.94	91.09	91.06	90.97	90.74	91.81	91.31	90.96
24	92.35	91.33	91.29	91.16	90.95	91.16	91.06	90.94	90.73	91.81	91.28	90.99
25	92.34	91.35	91.35	91.14	90.97	91.23	91.05	90.92	90.66	91.80	91.22	91.01
26	92.33	91.33	91.42	91.10	90.98	91.38	91.05	90.89	90.59	91.79	91.16	91.02
27	92.29	91.31	91.43	91.08	91.05	91.57	91.09	90.87	90.59	91.73	91.10	91.04
28	92.21	91.30	91.44	---	91.09	91.67	91.08	90.84	90.78	91.57	91.05	91.13
29	92.18	91.28	91.44	91.03	---	91.63	91.07	90.83	90.98	91.53	90.97	91.31
30	92.15	91.26	91.44	91.01	---	91.53	91.06	90.83	91.17	91.59	90.91	91.32
31	92.13	---	91.44	90.98	---	91.42	---	90.85	---	91.66	90.92	---
MEAN	92.41	91.62	---	---	---	91.21	91.14	91.04	90.86	91.63	91.54	90.98
MAX	92.49	92.08	---	---	---	91.67	91.36	91.16	91.17	91.86	92.03	91.32
MIN	92.13	91.26	---	---	---	91.05	91.05	90.83	90.59	91.23	90.91	90.63

02237011 PALATLAKAHA RIVER BELOW STRUCTURE M-6, NEAR MASCOTTE, FL

LOCATION.--Lat 28° 38'38", long 81° 52'21", in SE $\frac{1}{4}$ sec.23, T.21 S., R.24 E., Lake County, Hydrologic Unit 03080102, on right bank 150 ft downstream from control structure M-6, 1.5 mi west of State Highway 565, and 4.6 mi north of Mascotte.

DRAINAGE AREA.--186 mi².

PERIOD OF RECORD.--May 1981 to current year (gage heights only).

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 92.25 ft, Mar. 19, 1998; minimum unknown, below lowest recordable stage.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91.78	91.45	90.24	88.92	89.43	88.64	89.45	88.50	88.38	90.42	89.84	89.49
2	91.78	91.38	90.24	88.92	89.17	88.64	89.46	88.48	88.36	90.45	89.93	89.41
3	91.79	91.34	90.23	88.92	89.06	88.63	89.46	88.46	88.35	90.50	89.92	89.40
4	91.79	91.33	90.23	88.92	88.97	88.64	89.31	88.51	88.34	90.51	90.07	89.38
5	91.79	91.33	90.22	88.92	88.87	88.64	89.06	88.59	88.33	90.61	90.34	89.37
6	91.78	91.31	90.22	88.93	88.78	88.63	89.03	88.62	88.31	90.67	90.34	89.36
7	91.77	91.30	90.22	88.93	88.71	88.63	89.01	88.59	88.30	90.68	90.35	89.82
8	91.76	91.29	90.22	88.93	88.70	88.62	89.00	88.57	88.36	90.68	90.56	90.29
9	91.76	---	90.14	88.94	88.69	88.63	88.98	88.55	88.38	90.68	90.91	90.29
10	91.75	---	90.12	89.14	88.68	88.64	88.95	88.52	88.38	90.70	91.10	90.28
11	91.75	---	90.11	89.47	88.67	88.63	88.92	88.57	88.40	90.70	91.13	90.27
12	91.76	---	90.10	89.53	88.68	88.63	88.89	88.62	88.47	90.70	91.16	90.00
13	91.75	---	90.04	89.59	88.68	88.62	88.88	88.61	89.40	90.70	91.18	89.35
14	91.75	---	89.89	89.68	88.66	88.62	88.85	88.59	89.97	---	91.19	89.21
15	91.74	---	89.67	89.85	88.65	88.62	88.83	88.58	89.74	---	90.99	89.11
16	91.73	---	89.47	89.86	88.64	88.62	88.79	88.57	89.39	---	90.86	88.89
17	91.71	90.64	89.36	89.87	88.63	88.67	88.76	88.56	89.24	---	91.01	88.71
18	91.71	90.40	89.35	89.87	88.62	89.05	88.73	88.55	89.18	---	91.06	88.71
19	91.71	90.37	89.36	89.86	88.62	89.36	88.70	88.53	89.19	---	90.88	88.70
20	91.71	90.36	89.11	89.84	88.61	89.39	88.68	88.51	89.08	---	90.54	88.70
21	91.68	90.34	88.81	89.79	88.57	89.43	88.66	88.50	88.94	---	90.49	88.72
22	91.66	90.33	88.80	89.79	88.58	89.44	88.63	88.48	89.00	---	90.44	88.78
23	91.62	90.32	88.80	89.79	88.58	89.46	88.62	88.46	89.05	91.07	90.40	88.86
24	91.60	90.31	88.83	89.79	88.58	89.47	88.62	88.44	89.25	91.06	90.40	88.87
25	91.59	90.30	88.86	89.66	88.59	89.47	88.59	88.42	89.52	91.03	90.36	88.88
26	91.58	90.29	88.91	89.55	88.59	89.65	88.58	88.40	89.52	91.02	90.32	88.88
27	91.56	90.28	88.91	89.55	88.62	90.10	88.61	88.39	89.51	90.85	90.28	88.88
28	91.52	90.27	88.91	89.55	88.64	90.19	88.59	88.37	89.84	90.41	90.25	88.91
29	91.50	90.26	88.91	89.55	---	90.26	88.56	88.35	90.29	90.01	89.93	89.38
30	91.48	90.25	88.91	89.55	---	90.03	88.53	88.32	90.39	89.87	89.53	89.72
31	91.46	---	88.91	89.55	---	89.62	---	88.32	---	89.80	89.51	---
MEAN	91.69	---	89.55	89.45	88.72	89.09	88.86	88.50	89.03	---	90.49	89.29
MAX	91.79	---	90.24	89.87	89.43	90.26	89.46	88.62	90.39	---	91.19	90.29
MIN	91.46	---	88.80	88.92	88.57	88.62	88.53	88.32	88.30	---	89.51	88.70

02237207 PALATLAKAHA RIVER BELOW STRUCTURE M-4, NEAR OKAHUMPKA, FL

LOCATION.--Lat 28° 42'56", long 81° 53'03", in SW 1/4 sec.26, T.20 S., R.24 E., Lake County, Hydrologic Unit 03080102, on right bank 150 ft downstream from control structure M-4, 1.4 mi west of U.S. Highway 27, and 2.3 mi south of Okahumpka.

DRAINAGE AREA.--208 mi².

PERIOD OF RECORD.--May 1981 to current year (gage heights only).

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 85.00 ft, Feb. 17, 1998; minimum, 75.89 ft, June 21, 2001.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84.39	84.20	81.56	79.01	80.24	78.90	81.22	78.80	78.77	82.42	81.68	81.33
2	84.40	84.17	81.55	79.01	80.14	78.90	81.29	78.80	78.74	82.46	81.89	81.31
3	84.40	84.10	81.53	79.00	80.13	78.90	81.23	78.78	78.73	82.49	81.91	81.29
4	84.40	83.94	81.52	78.99	80.12	78.90	80.22	78.79	78.72	82.91	82.21	81.26
5	84.48	83.88	81.51	78.99	80.10	78.90	78.81	78.82	78.72	83.39	82.53	81.23
6	84.57	83.87	81.50	78.98	80.10	78.90	78.83	78.85	78.71	83.75	82.56	81.20
7	84.55	83.88	81.48	78.98	79.59	78.88	78.82	78.85	78.70	83.74	82.60	81.88
8	84.53	83.88	81.47	78.98	78.89	78.88	78.82	78.84	78.69	83.66	83.26	82.27
9	84.53	83.21	81.46	78.98	78.89	78.89	78.81	78.84	78.70	83.66	83.83	82.38
10	84.52	82.68	81.21	79.30	78.88	78.89	78.81	78.84	78.73	83.86	83.87	82.45
11	84.53	82.79	81.04	79.77	78.87	78.89	78.83	78.84	78.77	83.91	83.79	82.49
12	84.55	82.76	81.05	79.94	78.87	78.89	78.82	78.84	78.80	84.07	83.69	82.02
13	84.55	82.75	81.06	80.12	78.87	78.89	78.82	78.84	80.60	84.05	83.66	81.22
14	84.54	82.77	80.84	80.59	78.87	78.89	78.82	78.83	81.53	83.99	83.69	81.17
15	84.54	82.90	80.48	81.32	78.87	78.88	78.82	78.83	81.20	84.00	83.14	80.97
16	84.53	83.01	80.32	81.25	78.87	78.89	78.82	78.83	80.46	84.01	82.83	79.69
17	84.53	82.40	80.32	81.21	78.86	78.91	78.82	78.83	80.08	83.99	83.20	78.70
18	84.50	81.71	80.32	81.18	78.86	79.50	78.82	78.83	80.06	84.00	83.40	78.69
19	84.49	81.69	80.32	81.15	78.86	80.01	78.82	78.82	80.07	84.00	83.22	78.70
20	84.49	81.67	79.72	80.82	78.86	80.00	78.80	78.82	79.45	84.01	82.87	78.70
21	84.48	81.66	79.01	80.60	78.86	79.99	78.80	78.82	78.85	84.01	82.86	78.70
22	84.46	81.64	79.00	80.62	78.87	79.97	78.80	78.81	78.85	83.99	82.99	78.72
23	84.45	81.63	79.00	80.64	78.87	79.98	78.81	78.80	78.84	83.98	83.01	78.72
24	84.42	81.62	79.00	80.66	78.87	80.00	78.81	78.80	80.09	83.98	82.97	78.72
25	84.39	81.62	79.01	80.52	78.87	79.94	78.81	78.79	80.93	83.95	82.92	78.72
26	84.36	81.61	79.01	80.36	78.87	80.70	78.81	78.78	80.93	83.91	82.88	78.72
27	84.35	81.60	79.01	80.35	78.89	82.44	78.81	78.78	80.92	83.17	82.83	78.72
28	84.33	81.60	79.01	80.34	78.90	82.47	78.82	78.78	81.70	82.62	82.79	78.73
29	84.30	81.59	79.01	80.33	---	82.49	78.81	78.77	82.24	82.12	82.04	80.47
30	84.26	81.58	79.01	80.32	---	81.99	78.81	78.77	82.38	81.57	81.33	81.38
31	84.23	---	79.01	80.31	---	81.34	---	78.78	---	81.56	81.33	---
MEAN	84.45	82.61	80.30	80.08	79.17	79.74	79.10	78.81	79.80	83.46	82.83	80.35
MAX	84.57	84.20	81.56	81.32	80.24	82.49	81.29	78.85	82.38	84.07	83.87	82.49
MIN	84.23	81.58	79.00	78.98	78.86	78.88	78.80	78.77	78.69	81.56	81.33	78.69
CAL YR	2004	MEAN 80.66	MAX 84.57	MIN 78.54								
WTR YR	2005	MEAN 80.91	MAX 84.57	MIN 78.69								

02237293 PALATLAKAHA RIVER AT STRUCTURE M-1, NEAR OKAHUMPKA, FL

LOCATION.--Lat 28° 44'39", long 81° 52'22", in SE $\frac{1}{4}$ sec. 14, T.20 S., R.24 E., Lake County, Hydrologic Unit 03080102, on left bank 150 ft upstream from structure M-1, 270 ft downstream from CSX Railroad bridge, 0.3 mi upstream from bridge on State Highway 48, and 1.4 mi east of Okahumpka.

DRAINAGE AREA.--221 mi².

PERIOD OF RECORD.--January 1970 to July 1976, October 1976 to current year.

REVISED RECORDS.--WDR FL-72-1: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Flow regulated by manipulation of gates in spillway. Discharge computed from relation between discharge, head, and gate openings.

COOPERATION.--Gate-opening record provided by the Lake County Water Authority.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	485	399	106	3.5	38	3.3	90	3.3	3.6	169	126	109
2	489	391	105	3.5	33	3.3	94	3.3	3.5	175	139	106
3	496	379	104	3.5	32	3.3	94	3.3	3.5	174	144	102
4	502	347	104	3.5	31	3.4	61	3.4	3.5	211	163	100
5	507	332	104	3.5	30	3.3	3.7	e3.5	3.5	271	196	96
6	511	329	103	3.6	29	3.3	3.5	e3.5	3.5	333	198	93
7	508	330	102	3.6	18	3.3	3.5	e3.5	3.4	327	205	171
8	501	330	101	3.6	3.3	3.3	3.4	e3.5	3.4	314	306	178
9	500	276	100	3.6	3.4	3.3	3.4	e3.4	3.5	311	382	205
10	498	184	91	16	3.4	3.3	3.4	e3.4	3.5	347	386	210
11	501	205	68	32	3.4	3.0	3.4	e3.5	3.5	358	373	208
12	511	200	67	31	3.4	2.8	3.4	3.5	3.7	393	354	174
13	511	198	67	40	3.3	2.7	3.4	3.5	62	398	344	96
14	505	202	59	54	3.4	2.6	3.4	3.5	99	383	351	88
15	504	209	43	85	3.4	2.5	3.4	3.5	83	e385	299	77
16	507	225	32	85	3.4	2.5	3.4	3.5	56	e385	236	32
17	505	176	30	85	3.3	2.8	3.4	3.5	36	e380	286	3.5
18	498	112	30	85	3.3	22	3.4	3.5	30	e383	323	3.4
19	493	e112	29	84	3.3	42	3.4	3.5	28	e383	310	3.4
20	493	e112	21	80	3.3	42	3.3	3.5	14	e385	245	3.4
21	489	e111	3.1	58	3.3	42	3.3	3.6	3.3	e388	240	3.4
22	483	e110	e3.3	54	3.3	42	3.3	e3.7	3.5	e388	255	3.5
23	474	e110	e3.3	55	3.3	42	3.4	e3.7	3.6	e388	265	3.5
24	466	109	e3.4	56	3.3	42	3.4	e3.7	32	388	253	3.4
25	456	110	e3.4	50	3.4	42	3.3	e3.7	60	384	248	3.4
26	445	109	e3.4	44	3.4	68	3.3	e3.6	62	377	242	3.4
27	437	109	e3.5	44	3.6	166	3.4	e3.5	63	e275	234	3.4
28	432	109	e3.5	43	3.4	173	3.3	3.6	102	e190	234	3.4
29	425	107	e3.5	42	---	177	3.3	3.5	144	162	181	45
30	416	107	3.5	42	---	147	3.3	3.5	166	127	109	83
31	406	---	3.5	41	---	99	---	3.6	---	124	106	---
TOTAL	14,954	6,139	1,503.4	1,237.9	281.6	1,198.0	427.1	108.8	1,089.5	9,656	7,733	2,214.1
MEAN	482	205	48.5	39.9	10.1	38.6	14.2	3.51	36.3	311	249	73.8
MAX	511	399	106	85	38	177	94	3.7	166	398	386	210
MIN	406	107	3.1	3.5	3.3	2.5	3.3	3.3	3.3	124	106	3.4
CFSM	2.18	0.93	0.22	0.18	0.05	0.17	0.06	0.02	0.16	1.41	1.13	0.33
IN.	2.52	1.03	0.25	0.21	0.05	0.20	0.07	0.02	0.18	1.63	1.30	0.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

MEAN	39.9	14.0	13.6	42.2	46.6	62.3	47.6	8.42	8.44	34.8	39.7	52.7
MAX	482	205	154	439	540	605	365	81.5	60.3	326	463	566
(WY)	(2005)	(2005)	(1998)	(1998)	(1998)	(1998)	(1998)	(1970)	(2003)	(2003)	(2003)	(2003)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1979)	(1979)	(1979)	(1981)	(1981)	(1981)	(1981)	(1977)	(1977)	(1977)	(2000)	(1977)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1970 - 2005
ANNUAL TOTAL	39,122.50	46,542.4	
ANNUAL MEAN	107	128	31.4
HIGHEST ANNUAL MEAN			179
LOWEST ANNUAL MEAN			0.13
HIGHEST DAILY MEAN	566	Sep 28	727
LOWEST DAILY MEAN	0.00	Jul 8-Aug 11	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 8	0.00
MAXIMUM PEAK STAGE		73.37	74.18
ANNUAL RUNOFF (CFSM)	0.484	0.577	0.142
ANNUAL RUNOFF (INCHES)	6.59	7.83	1.93
10 PERCENT EXCEEDS	434	388	77
50 PERCENT EXCEEDS	3.8	54	2.5
90 PERCENT EXCEEDS	0.33	3.3	0.00

e Estimated

02237293 PALATLAKAHA RIVER AT STRUCTURE M-1, NEAR OKAHUMPKA, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69.83	69.56	71.11	71.05	69.90	70.99	71.22	70.98	71.06	69.88	70.59	70.68
2	69.85	69.53	71.05	71.05	69.81	70.98	71.53	70.98	71.04	70.01	70.52	70.56
3	69.86	69.48	71.01	71.06	69.67	70.99	71.45	70.97	71.03	69.67	70.68	70.37
4	69.88	69.34	70.98	71.06	69.59	71.00	71.44	71.00	71.03	69.22	70.08	70.18
5	69.89	69.27	70.95	71.06	69.47	70.99	71.10	---	71.03	69.54	69.79	70.02
6	69.90	69.26	70.90	71.07	69.42	70.98	71.05	---	71.03	69.74	69.86	69.86
7	69.89	69.26	70.84	71.08	69.90	70.98	71.03	---	71.02	69.24	70.01	68.96
8	69.88	69.26	70.77	71.09	70.97	70.97	71.02	---	71.01	69.18	69.50	68.91
9	69.87	70.18	70.70	71.09	71.00	70.98	71.01	---	71.05	69.17	69.44	69.36
10	69.87	70.24	70.18	70.78	71.00	70.97	71.00	---	71.05	69.34	69.52	69.46
11	69.88	70.85	68.99	69.72	70.99	70.86	71.01	---	71.06	69.39	69.46	69.42
12	69.90	70.72	68.95	69.61	70.99	70.81	71.02	71.04	71.11	69.54	69.37	70.17
13	69.90	70.66	68.96	70.79	70.99	70.78	71.01	71.04	69.91	69.56	69.33	70.05
14	69.89	70.76	69.41	70.94	70.99	70.76	71.01	71.04	69.00	69.50	69.36	69.63
15	69.89	71.00	69.59	71.56	70.99	70.75	71.01	71.03	70.05	---	70.32	69.63
16	69.89	71.62	68.95	71.58	70.99	70.75	71.00	71.04	70.83	---	70.39	70.43
17	69.89	71.81	68.78	71.56	70.99	70.82	71.00	71.04	69.80	---	70.61	71.06
18	69.87	71.59	68.76	71.55	70.98	70.79	71.00	71.04	69.08	---	71.03	71.02
19	69.86	---	68.72	71.54	70.97	71.23	70.99	71.04	68.90	---	71.17	71.01
20	69.86	---	69.51	71.13	70.97	71.25	70.99	71.04	69.80	---	70.38	71.01
21	69.84	---	70.92	69.47	70.97	71.27	70.98	71.07	70.97	---	70.29	71.01
22	69.83	---	---	69.26	70.98	71.26	70.98	---	71.06	---	70.03	71.03
23	69.81	---	---	69.29	70.98	71.27	71.01	---	71.08	69.52	69.88	71.03
24	69.78	71.29	---	69.33	70.99	71.27	71.00	---	69.64	69.52	69.74	71.02
25	69.75	71.35	---	69.74	71.00	71.28	70.98	---	69.65	69.51	69.63	71.01
26	69.72	71.31	---	70.24	71.02	70.14	70.99	---	69.74	69.48	69.53	71.01
27	69.70	71.30	---	70.22	71.07	69.59	71.00	---	69.75	---	69.42	71.00
28	69.68	71.31	---	70.13	71.01	69.78	70.98	71.06	69.17	---	69.38	71.02
29	69.66	71.22	---	70.04	---	69.87	70.98	71.06	69.26	69.70	70.47	69.54
30	69.63	71.17	71.05	69.99	---	70.66	70.98	71.05	69.74	71.09	70.70	69.41
31	69.59	---	71.05	69.91	---	70.93	---	71.08	---	70.97	70.56	---
MEAN	69.82	---	---	70.58	70.66	70.84	71.06	---	70.33	---	70.03	70.30
MAX	69.90	---	---	71.58	71.07	71.28	71.53	---	71.11	---	71.17	71.06
MIN	69.59	---	---	69.26	69.42	69.59	70.98	---	68.90	---	69.33	68.91

02237698 AOPKA FLOW-WAY FEEDER CANAL NEAR ASTATULA, FL

LOCATION.--Lat 28° 39'58", long 81° 42'22", in NW $\frac{1}{4}$ sec.15, T.21 S., R.26 E., Lake County, Hydrologic Unit 03080102, 1.3 mi west of Lake Apopka and 3.4 mi southeast of the intersection of County Road 561 and County Road 48, and 3.6 mi southeast of Astatula.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 2003 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929.

REMARKS.--Records fair. Flow regulated by gated culverts.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	154	171	202	179	136	101	139	147	114	114	131
2	114	154	173	200	182	140	105	136	143	110	118	130
3	116	144	184	204	181	131	115	137	144	115	119	134
4	127	145	179	198	180	137	114	142	140	101	119	132
5	125	152	175	202	188	126	109	139	136	113	115	142
6	120	161	171	199	183	132	110	149	132	113	124	141
7	121	147	174	200	183	119	107	145	140	104	110	143
8	127	149	185	199	176	113	108	138	139	62	114	136
9	122	170	192	195	173	138	112	129	160	25	116	151
10	119	182	188	194	170	134	109	138	150	14	111	130
11	122	168	183	188	179	122	102	139	134	39	113	140
12	124	161	206	190	183	121	119	141	138	86	110	135
13	126	170	192	193	178	124	119	150	125	104	114	129
14	144	168	186	170	182	95	126	148	106	112	113	131
15	138	173	181	167	179	32	135	151	124	109	120	135
16	142	172	194	176	174	26	136	139	150	103	123	135
17	135	166	193	174	177	55	139	140	144	108	122	133
18	135	169	191	172	184	57	129	150	141	110	124	129
19	146	154	175	179	183	56	116	132	138	105	121	132
20	146	153	190	169	176	31	116	134	127	121	122	151
21	145	155	185	171	172	40	121	133	125	119	124	144
22	151	166	188	165	172	46	120	145	125	119	124	137
23	142	179	190	156	175	72	116	135	131	110	106	136
24	135	178	191	182	172	100	115	137	134	109	86	130
25	132	164	188	174	168	115	126	147	132	118	78	130
26	152	174	185	164	180	108	115	143	122	106	72	125
27	159	174	209	173	173	108	119	144	112	102	58	126
28	155	178	201	185	144	107	128	137	128	103	67	132
29	156	166	202	180	---	112	137	131	130	93	75	124
30	153	176	194	167	---	114	135	138	126	104	114	127
31	146	---	190	178	---	110	---	149	---	104	125	---
TOTAL	4,200	4,922	5,806	5,666	4,946	3,057	3,559	4,355	4,023	3,055	3,371	4,031
MEAN	135	164	187	183	177	98.6	119	140	134	98.5	109	134
MAX	159	182	209	204	188	140	139	151	160	121	125	151
MIN	114	144	171	156	144	26	101	129	106	14	58	124

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	71.5	94.8	131	158	183	136	133	102	101	86.5	90.2	66.7
MAX	135	164	187	183	189	173	148	154	165	152	154	134
(WY)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)
MIN	7.57	25.5	75.2	133	177	98.6	119	12.3	4.29	8.53	8.09	8.09
(WY)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2003 - 2005	
ANNUAL TOTAL	55,259.9		50,991			
ANNUAL MEAN	151		140		129	
HIGHEST ANNUAL MEAN					140	
LOWEST ANNUAL MEAN					119	
HIGHEST DAILY MEAN	216	Feb 3	209	Dec 27	216	Feb 3, 2004
LOWEST DAILY MEAN	-44	Sep 6	14	Jul 10	-44	Sep 6, 2004
ANNUAL SEVEN-DAY MINIMUM	-9.3	Sep 3	42	Mar 15	-9.3	Sep 3, 2004
MAXIMUM PEAK STAGE			67.02	Mar 21	67.30	Sep 9, 2004
10 PERCENT EXCEEDS	190		184		185	
50 PERCENT EXCEEDS	166		137		140	
90 PERCENT EXCEEDS	83		106		34	

Note.--Negative figures indicate reverse flow

02237700 APOPKA-BEAUCLAIR CANAL NEAR ASTATULA, FL

LOCATION.--Lat 28° 43'20", long 81° 41'06", in NW 1/4 sec.26, T.20 S., R.26 E., Lake County, Hydrologic Unit 03080102, near left bank 80 ft upstream from lock and dam, 500 ft upstream from bridge on County Road 48, and 3.0 mi east of Astatula.

DRAINAGE AREA.--184 mi².

PERIOD OF RECORD.--July 1942 to June 1948 (discharge measurements only at site 1.5 mi downstream), July 1958 to current year.

REVISED RECORDS.--WSP 1905: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929. Prior to June 1948, nonrecording gage at site 1.5 mi downstream at datum 60.68 ft higher. March to June 1958, nonrecording gage at present site and datum. Since July 1958, auxiliary water-stage recorder at downstream side of lock and dam at same datum.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Since May 1956, flow regulated at station by manipulation of gates in spillway. Discharge computed from relation between discharge, head, and gate openings.

COOPERATION.--Gate-opening record provided by St. Johns River Water Management District.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e440	164	23	23	23	23	223	20	20	399	103	160
2	e430	17	23	23	23	23	219	20	20	401	281	137
3	e420	13	23	23	23	24	219	20	20	400	390	102
4	e415	15	23	23	23	23	220	20	20	398	390	94
5	e415	17	23	23	23	23	221	20	20	398	393	94
6	e410	20	23	23	23	24	222	20	20	398	393	93
7	e410	24	23	23	23	24	222	20	20	397	392	68
8	e405	29	23	23	23	23	220	20	20	392	392	68
9	e400	29	23	23	23	23	157	20	20	407	405	68
10	e400	29	23	23	23	23	157	20	20	419	403	56
11	e400	25	23	23	23	24	157	20	20	405	401	45
12	e400	23	23	23	23	24	158	20	20	404	400	35
13	e390	23	23	24	23	24	59	20	246	402	395	28
14	e390	23	22	23	23	23	47	20	405	401	404	28
15	e390	23	22	206	23	23	20	20	400	401	356	28
16	389	23	23	390	23	23	20	20	395	399	364	28
17	389	23	23	400	23	23	20	20	392	399	372	28
18	392	23	23	223	23	23	20	20	386	399	204	28
19	e390	23	23	227	23	23	20	20	386	397	204	28
20	e380	23	22	156	23	24	20	19	386	397	155	28
21	e360	23	23	98	23	24	20	19	384	394	125	28
22	e380	23	23	98	23	23	20	19	385	388	205	28
23	e390	23	23	96	23	117	20	19	385	381	264	28
24	391	23	23	97	23	223	19	19	382	380	226	28
25	389	23	23	71	23	223	20	19	384	378	294	28
26	387	23	23	49	23	223	20	19	387	286	390	28
27	396	23	23	23	23	225	20	19	387	220	408	28
28	386	23	23	23	23	221	20	19	398	122	221	28
29	387	23	23	23	---	223	20	19	401	56	222	29
30	388	23	23	23	---	223	20	19	401	48	221	29
31	386	---	23	23	---	223	---	19	---	48	169	---
TOTAL	12,295	819	710	2,549	644	2,415	2,820	608	7,130	10,714	9,542	1,526
MEAN	397	27.3	22.9	82.2	23.0	77.9	94.0	19.6	238	346	308	50.9
MAX	440	164	23	400	23	225	223	20	405	419	408	160
MIN	360	13	22	23	23	23	19	19	20	48	103	28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	71.0	46.6	52.4	79.9	79.7	102	100	40.4	60.2	70.0	91.0	97.1
MAX	397	280	336	540	414	450	480	316	278	365	413	416
(WY)	(2005)	(1970)	(1995)	(1998)	(1998)	(1983)	(1983)	(1959)	(1959)	(2003)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.06	0.10	0.05	0.00	0.00	0.00	0.00
(WY)	(1972)	(1972)	(1972)	(1965)	(1968)	(1968)	(1968)	(2002)	(1971)	(1971)	(1971)	(1971)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1958 - 2005
ANNUAL TOTAL	36,895	51,772	
ANNUAL MEAN	101	142	74.5
HIGHEST ANNUAL MEAN			224
LOWEST ANNUAL MEAN			10.7
HIGHEST DAILY MEAN	e560	Sep 26	754
LOWEST DAILY MEAN	11	May 27-Jun 7	0.00
ANNUAL SEVEN-DAY MINIMUM	11	May 27	0.00
MAXIMUM PEAK STAGE		19	0.00
10 PERCENT EXCEEDS	400	67.38	280
50 PERCENT EXCEEDS	13	Mar 23	30
90 PERCENT EXCEEDS	12		8.2

e Estimated

02237701 APOPKA-BEAUCLAIR CANAL BELOW DAM, NEAR ASTATULA, FL

LOCATION.--Lat 28° 43'22", long 81° 41'06", in NW¹/₄ sec.26, T.20 S., R.26 E., Lake County, Hydrologic Unit 3080102, near left bank at downstream end of lock, 300 ft upstream from bridge on County Road 48, and 3.0 mi east of Astatula.

DRAINAGE AREA.--184 mi².

PERIOD OF RECORD.--January 1957 to current year (gage heights only). Prior to October 1967, published as Apopka-Beauclair Canal near Astatula (auxiliary).

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929. Prior to July 14, 1958, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 66.03 ft, Sept. 26, 2004; minimum, 59.71 ft, June 12-15, 17, 22, 2001.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65.05	64.12	62.95	63.01	62.95	63.01	63.91	62.47	62.48	64.30	63.28	63.43
2	65.04	63.70	62.95	63.01	62.94	62.99	63.86	62.48	62.47	64.29	63.73	63.35
3	65.01	63.61	62.95	63.01	62.94	62.96	63.84	62.46	62.47	64.29	64.08	63.28
4	64.99	63.52	62.93	63.01	62.98	62.95	63.81	62.51	62.48	64.28	64.08	63.21
5	64.98	63.47	62.92	63.01	62.96	62.91	63.77	62.57	62.50	64.28	64.12	63.19
6	64.98	63.39	62.91	63.01	62.95	62.89	63.73	62.60	62.53	64.26	64.10	63.12
7	64.94	63.30	62.91	63.02	62.93	62.86	63.72	62.58	62.52	64.24	64.13	63.12
8	64.89	63.24	62.93	63.03	62.93	62.84	63.49	62.57	62.52	64.28	64.22	63.11
9	64.88	63.22	62.94	63.03	62.93	62.86	63.37	62.56	62.57	64.43	64.26	63.04
10	64.85	63.15	62.95	63.04	62.95	62.85	63.33	62.56	62.56	64.56	64.25	62.97
11	64.88	63.08	62.98	63.04	62.96	62.82	63.28	62.57	62.54	64.44	64.23	62.89
12	64.87	63.05	62.96	63.03	62.94	62.83	63.09	62.58	62.63	64.41	64.24	62.83
13	64.83	63.05	62.94	63.01	62.91	62.81	62.92	62.58	63.66	64.39	64.22	62.79
14	64.82	63.07	62.97	63.10	62.89	62.80	62.83	62.56	64.15	64.36	64.10	62.75
15	64.79	63.06	62.96	63.67	62.89	62.81	62.77	62.55	64.12	64.35	64.05	62.72
16	64.78	63.04	62.92	64.21	62.90	62.81	62.69	62.55	64.08	64.36	64.00	62.69
17	64.77	63.02	62.90	64.03	62.91	62.88	62.62	62.57	64.06	64.40	63.72	62.67
18	64.74	63.00	62.89	63.83	62.92	62.92	62.55	62.56	64.03	64.38	63.71	62.66
19	64.78	62.99	62.89	63.63	62.89	62.89	62.50	62.53	64.04	64.46	63.67	62.65
20	64.90	62.97	62.91	63.38	62.85	62.89	62.47	62.50	64.08	64.49	63.56	62.65
21	64.88	62.95	62.87	63.29	62.86	62.88	62.45	62.52	64.05	64.38	63.51	62.63
22	64.84	62.95	62.86	63.27	62.87	62.91	62.43	62.53	64.05	64.32	63.68	62.63
23	64.81	62.93	62.88	63.28	62.88	63.26	62.47	62.50	64.06	64.27	63.81	62.64
24	64.77	62.91	62.95	63.20	62.88	63.64	62.52	62.49	64.06	64.26	63.77	62.63
25	64.77	62.97	62.99	63.10	62.91	63.78	62.50	62.51	64.06	64.23	63.99	62.62
26	64.74	62.98	63.04	63.05	62.91	63.87	62.48	62.46	64.08	63.92	64.24	62.62
27	64.72	62.95	63.03	63.03	62.94	63.98	62.53	62.42	64.10	63.67	63.95	62.62
28	64.70	62.97	63.01	63.02	63.00	63.93	62.53	62.41	64.29	63.41	63.68	62.60
29	64.67	62.96	63.00	62.96	---	63.91	62.49	62.41	64.27	63.24	63.65	62.61
30	64.66	62.95	62.99	62.95	---	63.91	62.47	62.39	64.31	63.34	63.56	62.62
31	64.64	---	62.99	62.96	---	63.91	---	62.43	---	63.26	63.49	---
MEAN	64.84	63.15	62.94	63.20	62.92	63.15	62.98	62.52	63.46	64.18	63.91	62.84
MAX	65.05	64.12	63.04	64.21	63.00	63.98	63.91	62.60	64.31	64.56	64.26	63.43
MIN	64.64	62.91	62.86	62.95	62.85	62.80	62.43	62.39	62.47	63.24	63.28	62.60
CAL YR	2004	MEAN 62.92	MAX 65.32	MIN 61.62								
WTR YR	2005	MEAN 63.35	MAX 65.05	MIN 62.39								

02237734 WOLF BRANCH AT FCRR NEAR MOUNT DORA, FL

LOCATION.--Lat 28° 47' 47", long 81° 36' 29", in NW¹/₄ sec.34, T.19 S., R.27 E., Lake County, Hydrologic Unit 3080102, on right bank 50 ft downstream from culvert under Florida Central Railroad, 0.25 mi south of State Highway 46, 1.1 mi east of U.S. Highway 441, and 2.1 mi southeast of Mount Dora.

DRAINAGE AREA.--4.67 mi².

PERIOD OF RECORD.--July to September 1991 (discharge measurements only), January 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (St. Johns River Water Management District bench mark). Prior to Mar. 4, 1997, at datum 67.39 ft higher, and Mar. 4, 1997 to Mar. 26, 1998, at datum 76.00 ft higher.

REMARKS.--Records good except for periods of estimated daily discharge, which are poor. A maximum discharge, 17 ft³/s, and stage, 76.62 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 28, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	3.1	1.4	1.8	0.99	0.55	4.1	0.23	e0.18	e5.3	4.2	e3.1
2	15	3.0	1.4	1.7	0.95	0.57	3.9	0.19	e0.20	e5.9	e4.6	e2.8
3	13	2.7	1.4	1.6	0.95	0.58	3.5	0.14	e0.20	e6.5	e5.3	e2.9
4	12	2.6	1.3	1.5	0.97	0.65	3.1	0.25	e0.27	e8.0	e5.7	e2.7
5	11	2.4	1.3	1.5	0.95	0.63	2.7	0.62	e0.30	e8.0	e5.7	e3.1
6	10	2.2	1.3	1.4	0.92	0.60	2.3	1.0	e0.36	e6.6	e5.6	e3.6
7	9.5	2.0	1.2	1.4	0.88	0.56	2.0	1.1	e0.34	e6.1	e5.5	e4.2
8	8.5	1.9	1.2	1.3	0.84	0.51	1.9	1.1	e0.36	e6.0	e5.2	e4.7
9	7.6	1.8	1.2	1.3	0.78	0.52	1.7	1.0	e0.38	e6.7	e5.3	e5.4
10	6.8	1.7	1.2	1.2	0.70	0.60	1.4	0.87	e0.45	e6.3	e5.2	e5.7
11	6.3	1.7	1.2	1.2	0.62	0.59	1.2	0.78	e0.60	e6.0	e4.4	e5.5
12	6.1	1.6	1.1	1.1	0.54	0.55	1.1	0.71	e3.5	e5.7	e4.0	e5.3
13	5.7	1.6	1.0	1.1	0.46	0.47	0.95	0.59	e5.3	e5.5	e3.7	e5.0
14	5.3	1.6	0.98	1.3	0.39	0.42	0.84	0.48	e6.3	e5.8	e3.5	e4.7
15	4.9	1.6	0.92	1.5	0.33	0.40	0.72	0.40	e6.2	e7.5	e3.3	e4.4
16	4.5	1.5	0.84	1.7	0.26	0.40	0.61	0.33	e3.2	e9.5	e3.1	e4.1
17	4.1	1.4	0.79	1.7	0.19	0.59	0.45	0.29	e3.3	e7.5	e2.9	e3.8
18	3.8	1.3	0.72	1.7	0.13	0.80	0.37	0.26	e2.9	e7.2	e2.6	e3.5
19	3.9	1.3	0.65	1.6	0.08	0.88	0.30	0.22	e2.7	e6.6	e2.8	e3.2
20	5.8	1.2	0.56	1.6	0.04	0.86	0.25	0.19	e2.7	e5.9	e3.3	e2.9
21	6.9	1.1	0.47	1.5	0.01	0.90	0.20	0.18	e2.5	e5.3	e3.1	e3.0
22	7.3	1.1	0.45	1.5	0.00	0.97	0.16	0.18	e2.3	e4.9	e2.9	e3.1
23	7.0	1.0	0.58	1.5	0.00	1.3	0.19	0.17	e2.1	e4.5	e2.8	e3.5
24	6.4	0.97	0.80	1.4	0.00	1.7	0.27	0.14	e2.1	e4.3	e3.4	e3.4
25	5.9	1.2	1.1	1.4	0.00	2.1	0.27	0.11	e2.3	e3.9	e4.2	e3.3
26	5.4	1.3	1.6	1.3	0.00	3.4	0.27	0.06	e2.0	e3.5	e4.1	e3.1
27	4.9	1.4	1.9	1.3	0.15	5.1	0.37	e0.02	e2.2	e3.1	e3.9	e3.0
28	4.4	1.5	2.0	1.2	0.39	5.8	0.37	e0.00	e3.4	e2.5	e3.7	e3.1
29	4.0	1.5	2.0	1.2	---	5.6	0.32	e0.00	e4.0	e1.8	e3.8	e4.1
30	3.6	1.5	1.9	1.1	---	5.2	0.27	e0.00	e4.6	3.0	e3.4	e3.2
31	3.3	---	1.9	1.1	---	4.6	---	e0.10	---	3.7	e3.2	---
TOTAL	218.9	50.77	36.36	43.7	12.52	48.40	36.08	11.71	67.24	173.1	124.4	113.4
MEAN	7.06	1.69	1.17	1.41	0.45	1.56	1.20	0.38	2.24	5.58	4.01	3.78
MAX	16	3.1	2.0	1.8	0.99	5.8	4.1	1.1	6.3	9.5	5.7	5.7
MIN	3.3	0.97	0.45	1.1	0.00	0.40	0.16	0.00	0.18	1.8	2.6	2.7
CFSM	1.51	0.36	0.25	0.30	0.10	0.33	0.26	0.08	0.48	1.20	0.86	0.81
IN.	1.74	0.40	0.29	0.35	0.10	0.39	0.29	0.09	0.54	1.38	0.99	0.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	2.84	1.41	1.86	2.13	1.42	2.00	0.89	0.23	0.78	2.18	2.57	4.06
MAX	7.47	7.04	7.51	6.83	6.17	7.80	4.25	1.45	2.24	5.82	9.01	11.8
(WY)	(1996)	(1995)	(1995)	(1996)	(1998)	(1998)	(1996)	(1996)	(2005)	(2002)	(1995)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
(WY)	(1998)	(2001)	(2001)	(2001)	(1992)	(1992)	(1992)	(1992)	(1992)	(2000)	(1992)	(1997)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1992 - 2005

ANNUAL TOTAL	838.32	936.58	
ANNUAL MEAN	2.29	2.57	1.96
HIGHEST ANNUAL MEAN			4.02
LOWEST ANNUAL MEAN			0.44
HIGHEST DAILY MEAN	30	16	30
LOWEST DAILY MEAN	0.00	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.01	0.00
MAXIMUM PEAK FLOW			30
MAXIMUM PEAK STAGE			77.43
ANNUAL RUNOFF (CFSM)	0.490	0.549	0.419
ANNUAL RUNOFF (INCHES)	6.68	7.46	5.69
10 PERCENT EXCEEDS	7.0	5.8	5.3
50 PERCENT EXCEEDS	0.31	1.6	0.83
90 PERCENT EXCEEDS	0.00	0.26	0.00

e Estimated

02238000 HAINES CREEK AT LISBON, FL

LOCATION.--Lat 28° 52'14", long 81° 47'02", in NW¹/₄ sec.2, T.19 S., R.25 E., Lake County, Hydrologic Unit 03080102, near left bank at upstream side of Burrell lock and dam, 900 ft upstream from bridge on State Highway 44, 0.2 mi south of Lisbon, and 7 mi northeast of Leesburg.

DRAINAGE AREA.--648 mi².

PERIOD OF RECORD.--July 1942 to September 1978, October 1978 to September 1985 (gage heights only), October 1985 to current year.

REVISED RECORDS.--WDR FL-72-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Prior to Aug. 22, 1956, nonrecording gage at site 1,000 ft downstream at datum 58.93 ft higher, and Aug. 22, 1956 to Mar. 5, 1957, at present datum. Mar. 6 to Oct. 8, 1957, nonrecording gage at present site at datum 0.30 ft higher. Oct. 9, 1957 to Sept. 30, 1996, Mar. 16, 1998, water-stage recorder at present site at present datum. Oct. 1, 1996 to Mar. 16, 1998 datum of gage at present site 0.30 ft lower. Mar. 6 to Oct. 8, 1957, auxiliary nonrecording gage and Oct. 9, 1957 to Sept. 30, 1996, Mar. 16, 1998, auxiliary water-stage recorder at downstream side of lock and dam at present datum. Oct. 1, 1996 to Mar. 16, 1998, auxiliary water-stage recorder at downstream side of lock and dam at datum, 0.30 ft lower.

REMARKS.--Records fair. Since Dec. 23, 1956, flow regulated at station by manipulation of gates in spillway. Discharge computed from relation between discharge, head, gate openings, and lockages. See WDR FL-91 for history of low flows and minimum gage heights.

COOPERATION.--Gate-opening record provided by St. Johns River Water Management District.

EXTREMES FOR OUTSIDE PERIOD OF RECORD.--Flood of 1926 reached a stage of about 65.3 ft, former site and present datum, from information by local residents.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	990	322	62	43	64	148	689	35	34	883	184	268
2	986	266	61	44	54	213	684	35	34	886	216	238
3	982	266	55	40	53	160	671	35	34	886	232	226
4	979	266	52	41	43	134	533	34	36	882	232	194
5	814	266	52	43	40	138	391	35	36	871	231	181
6	670	229	44	41	43	136	318	36	215	870	234	177
7	565	197	39	41	40	97	303	40	342	865	235	177
8	525	142	40	43	40	78	264	40	342	861	255	177
9	526	63	40	44	43	60	251	37	342	859	295	177
10	529	55	39	40	39	42	250	38	343	876	392	159
11	526	80	39	40	39	41	160	37	343	879	446	151
12	533	73	39	42	41	41	86	38	345	882	448	113
13	536	69	38	40	43	44	63	37	486	882	447	78
14	532	67	38	39	40	40	44	41	582	879	443	61
15	530	123	37	269	42	39	36	41	573	877	361	52
16	524	157	37	478	43	39	37	36	568	876	308	40
17	526	160	39	479	42	38	38	36	523	875	260	39
18	433	157	40	374	41	40	36	36	490	878	183	41
19	396	159	39	236	45	43	39	38	489	878	156	35
20	412	160	37	128	44	44	37	38	392	880	159	35
21	419	160	38	90	43	41	37	39	342	877	162	35
22	413	133	40	91	43	42	38	41	340	874	157	36
23	412	90	38	87	42	296	37	36	341	872	158	36
24	418	71	38	81	41	508	37	35	340	863	226	40
25	420	72	38	72	39	504	36	36	340	682	375	41
26	414	72	38	64	39	510	34	36	345	458	461	36
27	412	73	38	63	38	519	35	36	340	313	397	36
28	416	73	40	60	42	656	36	39	488	246	306	36
29	416	72	42	62	---	725	38	40	605	184	274	36
30	419	67	42	65	---	710	40	40	803	164	272	36
31	420	---	41	65	---	698	---	33	---	166	270	---
TOTAL	17,093	4,160	1,300	3,345	1,206	6,824	5,298	1,154	10,833	23,224	8,775	2,987
MEAN	551	139	41.9	108	43.1	220	177	37.2	361	749	283	99.6
MAX	990	322	62	479	64	725	689	41	803	886	461	268
MIN	396	55	37	39	38	38	34	33	34	164	156	35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1957 - 2005, BY WATER YEAR (WY)

MEAN	162	136	124	186	221	330	299	160	194	234	234	243
MAX	1,128	1,180	1,009	1,409	1,397	1,495	1,210	1,191	1,073	1,008	1,057	995
(WY)	(1961)	(1961)	(1961)	(1998)	(1998)	(1998)	(1987)	(1960)	(1960)	(1960)	(1960)	(1960)
MIN	0.00	0.00	5.81	1.87	1.57	2.19	4.77	3.52	14.0	14.2	13.3	27.0
(WY)	(1957)	(1957)	(1957)	(1975)	(1975)	(1975)	(1968)	(1968)	(1957)	(1957)	(1967)	(2001)

02238000 HAINES CREEK AT LISBON, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1957 - 2005	
ANNUAL TOTAL	60,454		86,199		210	
ANNUAL MEAN	165		236		892	
HIGHEST ANNUAL MEAN					23.0	1960
LOWEST ANNUAL MEAN					*1,560	2001
HIGHEST DAILY MEAN	1,010	Feb 26	990	Oct 1		
LOWEST DAILY MEAN	e28	Aug 6, 13	33	May 31	0.00	Some years
ANNUAL SEVEN-DAY MINIMUM	29	Aug 8	35	May 30	0.00	Some years
MAXIMUM PEAK STAGE			63.41	Jan 14	64.50	Apr 5, 1960
10 PERCENT EXCEEDS	571		675		798	
50 PERCENT EXCEEDS	38		87		53	
90 PERCENT EXCEEDS	31		37		23	

* Feb 26, Mar 9, 1998
e Estimated

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62.68	62.99	63.17	63.23	63.15	63.13	62.63	62.66	62.68	62.29	62.65	62.65
2	62.66	63.00	63.16	63.24	63.14	63.01	62.63	62.64	62.69	62.29	62.59	62.68
3	62.64	63.00	63.15	63.24	63.17	63.02	62.58	62.65	62.68	62.29	62.58	62.67
4	62.63	63.01	63.15	63.24	63.13	63.05	62.60	62.69	62.68	62.28	62.57	62.66
5	62.68	62.97	63.15	63.25	63.14	63.04	62.63	62.76	62.72	62.25	62.55	62.70
6	62.75	62.97	63.16	63.25	63.15	63.02	62.62	62.76	62.57	62.24	62.56	62.67
7	62.78	63.03	63.17	63.25	63.16	63.04	62.60	62.78	62.41	62.22	62.60	62.70
8	62.79	63.07	63.18	63.26	63.18	63.06	62.58	62.77	62.37	62.21	62.60	62.69
9	62.79	63.10	63.19	63.26	63.18	63.01	62.54	62.76	62.34	62.20	62.59	62.70
10	62.80	63.13	63.21	63.27	63.17	63.04	62.48	62.76	62.32	62.26	62.56	62.72
11	62.81	63.12	63.19	63.27	63.14	63.06	62.57	62.76	62.35	62.27	62.53	62.73
12	62.83	63.16	63.17	63.28	63.13	63.05	62.66	62.79	62.41	62.28	62.53	62.76
13	62.84	63.19	63.19	63.30	63.14	63.04	62.68	62.78	62.43	62.28	62.52	62.79
14	62.83	63.21	63.13	63.36	63.15	63.05	62.65	62.77	62.38	62.27	62.50	62.80
15	62.83	63.18	63.07	63.16	63.15	63.04	62.60	62.76	62.35	62.26	62.51	62.79
16	62.81	63.14	63.08	62.94	63.15	63.07	62.58	62.75	62.32	62.25	62.54	62.79
17	62.81	63.14	63.11	62.93	63.14	63.11	62.58	62.75	62.31	62.24	62.55	62.79
18	62.86	63.13	63.12	62.91	63.12	63.11	62.59	62.73	62.28	62.25	62.62	62.78
19	62.91	63.13	63.12	62.98	63.11	63.12	62.61	62.71	62.26	62.25	62.67	62.75
20	62.97	63.11	63.09	63.09	63.12	63.12	62.61	62.71	62.29	62.26	62.73	62.73
21	63.00	63.10	63.10	63.12	63.12	63.12	62.60	62.70	62.27	62.25	62.83	62.77
22	62.98	63.11	63.11	63.16	63.12	63.15	62.60	62.69	62.27	62.24	62.84	62.78
23	62.96	63.14	63.14	63.15	63.12	63.05	62.63	62.69	62.27	62.23	62.86	62.80
24	62.98	63.16	63.15	63.12	63.13	62.88	62.66	62.69	62.22	62.20	62.83	62.80
25	62.99	63.18	63.16	63.15	63.11	62.86	62.65	62.65	62.22	62.25	62.68	62.78
26	62.97	63.13	63.19	63.18	63.09	62.89	62.66	62.61	62.24	62.34	62.64	62.77
27	62.96	63.15	63.20	63.18	63.20	62.92	62.70	62.60	62.25	62.40	62.65	62.77
28	62.97	63.16	63.20	63.14	63.25	62.84	62.67	62.60	62.30	62.43	62.66	62.77
29	62.97	63.16	63.22	63.18	---	62.75	62.68	62.58	62.33	62.50	62.71	62.79
30	62.98	63.17	63.23	63.18	---	62.70	62.68	62.57	62.34	62.63	62.69	62.79
31	62.98	---	63.23	63.15	---	62.66	---	62.61	---	62.69	62.66	---
MEAN	62.85	63.11	63.16	63.17	63.15	63.00	62.62	62.70	62.38	62.30	62.63	62.75
MAX	63.00	63.21	63.23	63.36	63.25	63.15	62.70	62.79	62.72	62.69	62.86	62.80
MIN	62.63	62.97	63.07	62.91	63.09	62.66	62.48	62.57	62.22	62.20	62.50	62.65

WTR YR 2005 MEAN 62.82 MAX 63.36 MIN 62.20

02238001 HAINES CREEK BELOW BURRELL DAM, AT LISBON, FL

LOCATION.--Lat 28° 52'16", long 81° 47'04", in NW¹/₄ sec.2, T.19 S., R.25 E., Lake County, Hydrologic Unit 03080102, on left bank at downstream side of Burrell lock and dam, 750 ft upstream from bridge on State Highway 44, 0.2 mi south of Lisbon, and 7 mi northeast of Leesburg.

DRAINAGE AREA.--648 mi².

PERIOD OF RECORD.--March 1957 to current year (gage heights only). Prior to October 1967, published as Haines Creek at Lisbon (auxiliary).

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Prior to Oct. 9, 1957, nonrecording gage at present site at datum 0.30 ft lower. Oct. 10, 1957 to Sept. 30, 1996, water-stage recorder at present site at datum 0.30 ft lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 61.48 ft, Oct. 9, 1960; minimum observed, 52.90 ft, June 26,28, 1984, result of drawdown of Lake Griffin.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60.92	60.13	59.28	59.34	59.35	59.57	60.18	58.68	58.72	60.16	59.23	59.65
2	60.87	60.11	59.29	59.32	59.35	59.73	60.25	58.66	58.72	60.14	59.34	59.58
3	60.82	60.12	59.28	59.31	59.37	59.59	60.18	58.65	58.71	60.15	59.42	59.52
4	60.77	60.13	59.27	59.29	59.35	59.47	60.01	58.74	58.72	60.15	59.41	59.40
5	60.59	60.13	59.27	59.28	59.34	59.48	59.83	58.88	58.78	60.10	59.42	59.36
6	60.42	59.99	59.28	59.28	59.33	59.45	59.73	58.93	59.28	60.05	59.42	59.33
7	60.25	59.81	59.27	59.28	59.32	59.35	59.72	58.92	59.53	59.99	59.42	59.35
8	60.17	59.66	59.28	59.27	59.32	59.31	59.72	58.92	59.49	59.97	59.50	59.35
9	60.19	59.43	59.28	59.28	59.31	59.22	59.66	58.90	59.45	59.96	59.56	59.33
10	60.20	59.37	59.31	59.26	59.34	59.19	59.61	58.90	59.41	60.07	59.61	59.25
11	60.25	59.38	59.33	59.27	59.32	59.18	59.32	58.90	59.45	60.10	59.62	59.20
12	60.27	59.37	59.30	59.27	59.30	59.17	59.09	58.91	59.52	60.12	59.60	59.12
13	60.30	59.38	59.29	59.26	59.28	59.16	59.03	58.89	59.73	60.11	59.60	59.05
14	60.32	59.42	59.29	59.38	59.28	59.15	58.93	58.88	59.83	60.10	59.61	59.01
15	60.33	59.57	59.26	59.84	59.28	59.15	58.88	58.87	59.79	60.07	59.56	58.98
16	60.33	59.67	59.25	60.28	59.28	59.17	58.83	58.86	59.72	60.04	59.53	58.96
17	60.33	59.64	59.25	60.21	59.27	59.20	58.78	58.83	59.60	60.01	59.42	58.95
18	60.22	59.63	59.25	60.09	59.25	59.21	58.75	58.81	59.52	59.98	59.19	58.94
19	60.18	59.62	59.28	59.84	59.24	59.21	58.73	58.78	59.47	59.98	59.07	58.92
20	60.22	59.63	59.26	59.51	59.23	59.21	58.74	58.78	59.41	60.01	59.10	58.91
21	60.26	59.63	59.24	59.37	59.22	59.20	58.72	58.76	59.37	60.00	59.20	58.94
22	60.25	59.56	59.23	59.39	59.22	59.22	58.72	58.74	59.41	59.98	59.19	58.95
23	60.22	59.43	59.29	59.41	59.21	59.74	58.74	58.74	59.41	59.97	59.20	58.97
24	60.21	59.36	59.34	59.39	59.21	60.19	58.77	58.73	59.37	59.93	59.44	58.97
25	60.19	59.40	59.36	59.38	59.21	60.14	58.71	58.67	59.37	59.73	59.70	58.98
26	60.18	59.35	59.43	59.37	59.20	60.16	58.71	58.64	59.37	59.48	59.80	58.97
27	60.17	59.33	59.41	59.36	59.27	60.18	58.75	58.63	59.38	59.35	59.74	58.96
28	60.16	59.33	59.40	59.35	59.32	60.30	58.71	58.63	59.61	59.25	59.62	58.96
29	60.16	59.31	59.39	59.35	---	60.34	58.70	58.60	59.77	59.13	59.56	58.98
30	60.17	59.28	59.37	59.37	---	60.28	58.68	58.58	60.07	59.16	59.58	58.97
31	60.17	---	59.36	59.36	---	60.23	---	58.60	---	59.18	59.61	---
MEAN	60.33	59.61	59.30	59.45	59.28	59.55	59.17	58.77	59.40	59.88	59.46	59.13
MAX	60.92	60.13	59.43	60.28	59.37	60.34	60.25	58.93	60.07	60.16	59.80	59.65
MIN	60.16	59.28	59.23	59.26	59.20	59.15	58.68	58.58	58.71	59.13	59.07	58.91

WTR YR 2005 MEAN 59.45 MAX 60.92 MIN 58.58

02238500 OCKLAWAHA RIVER AT MOSS BLUFF, FL

LOCATION.--Lat 29° 04'52", long 81° 52'51", in SW 1/4 sec.23, T.16 S., R.24 E., Marion County, Hydrologic Unit 03080102, at downstream side of spillway structure of Moss Bluff Dam, 0.3 mi upstream from bridge on State Highway 464, 0.4 mi southwest of Moss Bluff, 3.9 mi northeast of Ocklawaha, and 64.3 mi upstream from mouth.

DRAINAGE AREA.--879 mi².

PERIOD OF RECORD.--February 1943 to September 1965 (discharge measurements only), October 1965 to September 1966 (discharge measurements and gage heights only), October 1966 to July 1967 (discharge measurements only), August 1967 to current year.

REVISED RECORDS.--WDR FL-74-1: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929. Prior to Aug. 12, 1943, nonrecording gage, and Aug. 12, 1943 to Sept. 30, 1955, water-stage recorder at site 0.3 mi downstream at datum 0.12 ft lower; Nov. 1, 1963 to Aug. 10, 1967, nonrecording gage at site 0.3 mi downstream at present datum; Aug. 11, 1967 to Sept. 30, 1969, water-stage recorder at site 0.3 mi downstream at present datum. Auxiliary gage at upstream side of spillway structure.

REMARKS.--Records fair. A maximum stage, 44.20 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 28, 2004. Flow regulated by manipulation of gates in spillway. Discharge computed from relation between discharge, head gate openings, and lockages.

COOPERATION.--Gate-opening record provided by St. Johns River Water Management District.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,840	637	100	172	73	252	1,250	37	34	1,460	628	625
2	1,840	532	55	176	74	396	1,250	40	34	1,460	615	669
3	1,830	506	40	167	73	398	1,260	41	36	1,460	755	687
4	1,570	550	31	148	72	395	1,050	37	40	1,470	812	694
5	1,240	583	34	87	74	402	794	38	36	1,460	805	704
6	1,150	587	32	27	75	403	707	40	713	1,460	800	678
7	1,030	593	34	6.3	74	342	708	49	1,100	1,330	817	667
8	757	431	34	13	73	290	799	45	1,090	1,260	988	658
9	673	309	35	14	48	288	843	33	1,090	1,240	1,150	654
10	674	308	32	23	34	178	857	30	1,090	1,270	1,200	486
11	683	208	28	26	31	49	683	21	1,100	1,390	1,080	377
12	679	141	21	27	31	7.0	400	34	1,100	1,450	883	340
13	678	136	21	28	39	13	284	38	1,190	1,440	684	285
14	669	134	18	24	40	8.7	238	41	1,320	1,440	629	238
15	684	411	18	538	38	8.1	209	48	1,360	1,440	623	148
16	698	582	18	1,340	37	24	209	38	1,350	1,440	624	116
17	693	446	18	1,160	36	36	232	42	1,220	1,450	553	107
18	688	335	19	805	36	37	98	41	1,130	1,280	490	114
19	687	334	17	458	44	38	33	42	1,160	1,200	492	104
20	694	340	17	168	48	40	37	46	979	1,200	430	79
21	836	381	9.5	67	39	38	38	44	903	1,200	390	62
22	889	390	1.2	80	41	36	33	53	905	1,200	373	45
23	889	386	0.00	76	39	763	35	38	911	1,130	412	34
24	908	317	0.00	76	40	1,390	39	35	902	1,070	589	41
25	901	263	0.00	77	38	1,390	33	38	907	1,070	970	38
26	899	257	15	72	42	1,380	39	34	916	776	1,170	34
27	896	256	27	70	38	1,380	39	35	903	533	1,020	37
28	804	245	98	73	38	1,550	38	47	1,130	384	759	36
29	735	250	168	74	---	1,500	44	45	1,320	287	635	34
30	735	200	168	76	---	1,310	47	45	1,420	265	626	37
31	763	---	169	73	---	1,250	---	35	---	482	626	---
TOTAL	28,712	11,048	1,277.70	6,221.3	1,365	15,591.8	12,326	1,230	27,389	35,997	22,628	8,828
MEAN	926	368	41.2	201	48.8	503	411	39.7	913	1,161	730	294
MAX	1,840	637	169	1,340	75	1,550	1,260	53	1,420	1,470	1,200	704
MIN	669	134	0.00	6.3	31	7.0	33	21	34	265	373	34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

MEAN	227	166	179	262	292	374	342	173	213	252	254	270
MAX	1,085	1,024	883	1,396	1,446	1,603	1,380	539	913	1,161	1,098	1,309
(WY)	(1970)	(1970)	(1954)	(1998)	(1998)	(1998)	(1970)	(1970)	(2005)	(2005)	(2003)	(2004)
MIN	0.50	0.00	13.9	11.8	12.8	10.0	11.1	7.61	7.87	20.9	9.15	7.50
(WY)	(1975)	(1974)	(1979)	(1979)	(1979)	(1975)	(1975)	(1975)	(1975)	(1973)	(1972)	(1972)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1944 - 2005

ANNUAL TOTAL	106,825.50	172,613.80	
ANNUAL MEAN	292	473	250
HIGHEST ANNUAL MEAN			777
LOWEST ANNUAL MEAN			23.8
HIGHEST DAILY MEAN	2,130	Feb 25	1,840
LOWEST DAILY MEAN	0.00	Dec 23-25	0.00
ANNUAL SEVEN-DAY MINIMUM	6.1	Dec 20	6.1
MAXIMUM PEAK STAGE			43.03
10 PERCENT EXCEEDS	1,040		707
50 PERCENT EXCEEDS	40		58
90 PERCENT EXCEEDS	22		22

* Many days 1973-74

02239500 SILVER SPRINGS NEAR OCALA, FL

LOCATION.--Lat 29° 12'44", long 82° 03'15", in SE 1/4 sec.1, T.15 S., R.23 E., Marion County, Hydrologic Unit 03080102, in canal at glass bottom boat docking shed, 1,400 ft downstream from head of springs, and 5.3 mi northeast of Ocala.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1906 to December 1907 (gage heights only), October 1932 to September 1947 (monthly discharge only, prior to January 1933, published in WSP 1304), October 1947 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 38.96 ft above NGVD of 1929. Prior to Feb. 20, 1947, nonrecording gage at same site and datum. Feb. 20, 1947 to May 23, 1974, at site 800 ft north at same datum.

REMARKS.--Records fair. A maximum stage, 3.80 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 27, 2004. Prior to Nov. 20, 1959 and since Apr. 14, 2004, discharge measurements made 0.7 mi downstream from the head of the springs. From Nov. 21, 1959 to Apr. 13, 2004, discharge measurements made 4 to 5 mi downstream from the head of the springs. Discharge computed from relation between artesian pressure at CE-76 Well, Silver Springs pool elevation and discharge at measuring site. Artesian pressures are published as water levels for CE-76 Well (291100082010003) in Water Resources Data for Florida, Volume 1B, Ground Water.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	699	768	722	692	655	625	601	642	e611	657	739	740
2	709	768	722	691	653	619	595	641	e617	666	737	740
3	721	768	722	690	655	617	590	638	e619	667	737	741
4	729	769	720	691	651	616	600	636	e619	669	736	741
5	737	765	719	693	650	615	609	638	e620	677	735	740
6	744	760	720	692	649	613	617	640	e622	684	735	741
7	750	759	718	689	650	617	625	642	e617	689	735	744
8	760	758	717	686	650	615	625	645	e611	692	737	743
9	769	754	719	684	650	614	623	e638	e608	695	735	742
10	772	753	720	685	649	615	624	e630	e611	690	735	739
11	773	754	715	686	643	616	629	e628	e610	689	737	738
12	778	756	710	686	642	615	636	e626	e610	686	738	740
13	781	753	710	686	642	616	643	e630	e600	687	742	743
14	780	746	705	681	641	616	643	e633	e583	697	744	741
15	780	745	703	679	640	613	640	e634	e600	702	743	738
16	775	744	706	675	641	618	638	e633	634	708	745	736
17	774	741	708	662	638	615	641	e632	646	712	744	735
18	776	741	710	659	633	611	643	e629	654	716	743	732
19	777	741	710	666	629	609	645	e629	658	724	741	729
20	778	738	703	675	631	610	646	e629	660	728	739	730
21	777	735	701	678	632	612	648	e627	664	731	741	729
22	777	734	704	679	631	612	648	e626	665	734	741	728
23	776	734	704	675	630	610	649	e628	666	735	738	728
24	777	733	701	664	631	600	646	e629	672	736	732	726
25	775	728	704	664	628	590	643	e625	675	737	736	725
26	773	725	701	665	627	585	644	e620	673	736	735	727
27	771	729	693	661	632	587	642	e619	673	740	735	726
28	771	725	692	657	629	584	640	e619	673	740	738	723
29	773	722	693	660	---	585	642	e618	663	740	740	724
30	772	722	693	661	---	589	642	e617	651	739	740	723
31	771	---	692	656	---	595	---	e617	---	741	741	---
TOTAL	23,675	22,368	21,957	20,968	17,932	18,854	18,957	19,538	19,085	21,944	22,894	22,032
MEAN	764	746	708	676	640	608	632	630	636	708	739	734
MAX	781	769	722	693	655	625	649	645	675	741	745	744
MIN	699	722	692	656	627	584	590	617	583	657	732	723

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1933 - 2005, BY WATER YEAR (WY)

	829	815	789	771	761	764	770	753	735	743	768	808
MEAN	829	815	789	771	761	764	770	753	735	743	768	808
MAX	1,280	1,229	1,156	1,088	1,050	1,015	1,148	1,112	1,053	1,067	1,189	1,236
(WY)	(1961)	(1961)	(1961)	(1961)	(1961)	(1998)	(1960)	(1960)	(1960)	(1960)	(1960)	(1960)
MIN	474	450	438	428	411	413	422	386	358	362	411	460
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1933 - 2005

ANNUAL TOTAL	215,106		250,204			
ANNUAL MEAN	588		685			775
HIGHEST ANNUAL MEAN						1,058
LOWEST ANNUAL MEAN						419
HIGHEST DAILY MEAN	781	Oct 13	781	Oct 13		*1,290
LOWEST DAILY MEAN	387	Sep 7	e583	Jun 14		350
ANNUAL SEVEN-DAY MINIMUM	442	Jul 31	588	Mar 25		354
MAXIMUM PEAK STAGE			3.14	Aug 23		5.50
10 PERCENT EXCEEDS	753		753			975
50 PERCENT EXCEEDS	558		689			768
90 PERCENT EXCEEDS	470		616			602

e Estimated

* Oct 7, 13-17, 20, 1960

02239500 SILVER SPRINGS NEAR OCALA, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1960, 1962-79, 1981-85, 1989, 1991, 1998 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
Date	ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Strontium, water, fltrd, ug/L (01080)
NOV 30...	1021	3.51	734	<1	2.6	7.8	478	23.1	230	77.4	9.62	.67	6.49
MAR 14...	1112	2.59	613	2	2.2	8.3	472	23.2	250	82.5	10.0	.69	6.30
MAY 09...	0912	2.79	623	2	2.7	6.8	445	23.0	230	78.1	9.04	.62	6.29
AUG 23...	0825	2.94	766	2	2.3	7.0	467	23.2	230	78.5	8.95	.76	6.66
NOV 30...	188	10.0	.2	10.9	41.1	277	E.05	<.04	1.10	<.008	.04	.05	623
MAR 14...	190	9.95	.2	11.3	34.1	281	E.07	<.04	.99	<.008	.03	.05	534
MAY 09...	182	9.79	.2	11.2	30.8	259	E.08	<.04	1.14	<.008	.04	.04	504
AUG 23...	175	10.3	.2	10.7	37.9	287	<.10	<.04	1.12	<.008	E.01	E.03	532

OCKLAWAHA RIVER BASIN

02240000 OCKLAWAHA RIVER NEAR CONNER, FL

(Former national stream-quality accounting network station)

LOCATION.--Lat 29° 12'52", long 81° 59'10", in SW $\frac{1}{4}$ sec. 2, T.15 S., R.23 E., Marion County, Hydrologic Unit 03080102, on right bridge fender 75 ft upstream from bridge on State Highway 40, 0.2 mi downstream from Silver River, 1.5 mi southwest of Conner, 8 mi east of Ocala, and 51.0 mi upstream from mouth.

DRAINAGE AREA.--1,196 mi².

PERIOD OF RECORD.--February 1930 to September 1946, March 1963 to September 1977 (gage heights only), October 1977 to current year.

REVISED RECORDS.--WDR FL-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 31.79 ft above NGVD of 1929.

REMARKS.--Records good. A maximum discharge, 2,930 ft³/s, and stage, 8.29 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 27, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,920	1,610	1,160	1,040	927	859	1,910	890	950	2,650	1,780	1,720
2	2,920	1,500	1,070	1,050	927	978	2,170	885	957	2,630	1,810	1,730
3	2,890	1,440	1,030	1,050	927	1,050	2,170	880	940	2,680	1,820	1,740
4	2,850	1,410	1,010	1,050	927	1,090	2,080	910	938	2,720	1,910	1,730
5	2,710	1,420	990	1,030	925	1,100	1,870	1,030	938	2,630	1,930	1,740
6	2,520	1,440	981	997	922	1,100	1,660	1,130	987	2,550	1,990	1,750
7	2,420	1,450	975	972	915	1,100	1,630	1,100	1,410	2,470	2,030	1,740
8	2,270	1,440	972	959	911	1,110	1,810	1,050	1,710	2,380	2,120	1,740
9	2,080	1,300	971	953	907	1,080	1,840	1,000	1,830	2,350	2,230	1,720
10	1,980	1,240	969	946	896	1,050	1,820	966	1,880	2,510	2,320	1,660
11	1,950	1,200	963	927	885	957	1,760	950	1,890	2,550	2,310	1,500
12	1,930	1,120	958	907	874	871	1,540	951	1,960	2,710	2,220	1,380
13	1,880	1,070	955	897	863	828	1,300	940	2,060	2,730	2,030	1,190
14	1,830	1,060	954	903	859	809	1,190	925	2,250	2,640	1,850	1,090
15	1,780	1,080	951	942	857	798	1,120	918	2,340	2,620	1,790	1,030
16	1,760	1,240	947	1,490	853	792	1,090	907	2,420	2,590	1,730	1,030
17	1,720	1,350	943	1,870	854	795	1,070	886	2,330	2,640	1,700	1,030
18	1,690	1,300	933	1,820	853	796	1,060	878	2,200	2,620	1,610	1,030
19	1,660	1,260	927	1,580	851	789	995	875	2,150	2,480	1,560	1,030
20	1,660	1,240	927	1,310	849	784	964	873	2,090	2,430	1,540	1,020
21	1,690	1,240	925	1,100	848	782	942	877	1,950	2,380	1,470	1,020
22	1,770	1,260	916	1,030	845	782	925	891	1,940	2,360	1,420	1,010
23	1,790	1,270	920	1,000	837	843	911	888	2,080	2,320	1,430	1,000
24	1,800	1,270	925	981	831	1,340	906	877	1,990	2,230	1,630	985
25	1,810	1,300	923	966	831	1,760	901	871	1,920	2,180	1,760	976
26	1,790	1,250	928	959	831	1,960	890	866	1,910	2,110	2,020	967
27	1,790	1,230	932	952	843	2,040	906	858	1,900	1,840	2,100	958
28	1,760	1,230	937	947	853	2,090	913	850	1,990	1,610	1,990	954
29	1,680	1,220	981	943	---	2,150	899	851	2,380	1,450	1,810	956
30	1,630	1,220	1,020	939	---	2,060	890	851	2,650	1,440	1,720	948
31	1,610	---	1,030	935	---	1,960	---	855	---	1,450	1,690	---
TOTAL	62,540	38,660	30,023	33,445	24,501	36,503	40,132	28,479	54,940	72,950	57,320	38,374
MEAN	2,017	1,289	968	1,079	875	1,178	1,338	919	1,831	2,353	1,849	1,279
MAX	2,920	1,610	1,160	1,870	927	2,150	2,170	1,130	2,650	2,730	2,320	1,750
MIN	1,610	1,060	916	897	831	782	890	850	938	1,440	1,420	948
CFSM	1.68	1.07	0.81	0.90	0.73	0.98	1.11	0.77	1.53	1.96	1.54	1.07
IN.	1.94	1.20	0.93	1.04	0.76	1.13	1.24	0.88	1.70	2.26	1.78	1.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	1,103	980	973	1,059	1,052	1,190	1,164	945	995	1,066	1,106	1,196
MAX	2,017	1,584	1,574	2,494	2,826	3,047	2,553	1,802	2,062	2,353	2,189	2,216
(WY)	(2005)	(1946)	(1938)	(1998)	(1998)	(1998)	(1987)	(1931)	(1982)	(2005)	(2003)	(2004)
MIN	496	480	466	437	433	496	461	434	415	437	483	506
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2002)	(2002)	(2002)	(2001)	(2001)	(2000)

02240000 OCKLAWAHA RIVER NEAR CONNER, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	372,555		517,867		1,069	
ANNUAL MEAN	1,018		1,419		1,654	
HIGHEST ANNUAL MEAN					1930	
LOWEST ANNUAL MEAN					2001	
HIGHEST DAILY MEAN	3,080	Sep 27	2,920	Oct 1, 2	4,010	Apr 9, 1982
LOWEST DAILY MEAN	558	Jun 9	782	Mar 21, 22	397	Jun 11, 2002
ANNUAL SEVEN-DAY MINIMUM	563	May 28	789	Mar 16	399	Jun 8, 2002
MAXIMUM PEAK FLOW			2,840	Jul 12	4,430	Apr 9, 1982
MAXIMUM PEAK STAGE			7.55	Jul 12	9.14	Sep 6, 1933
ANNUAL RUNOFF (CFSM)	0.848		1.18		0.891	
ANNUAL RUNOFF (INCHES)	11.55		16.05		12.11	
10 PERCENT EXCEEDS	1,940		2,310		1,680	
50 PERCENT EXCEEDS	694		1,190		932	
90 PERCENT EXCEEDS	577		872		648	

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.28	6.81	5.97	5.68	5.37	5.18	6.73	5.18	5.33	7.38	6.54	6.49
2	8.28	6.67	5.81	5.69	5.37	5.49	6.98	5.17	5.35	7.35	6.57	6.49
3	8.26	6.59	5.71	5.69	5.37	5.67	6.97	5.15	5.30	7.40	6.57	6.51
4	8.21	6.55	5.66	5.69	5.37	5.73	6.88	5.23	5.30	7.43	6.66	6.50
5	8.08	6.55	5.62	5.65	5.36	5.75	6.68	5.51	5.30	7.35	6.68	6.52
6	7.89	6.57	5.59	5.57	5.36	5.76	6.48	5.72	5.41	7.27	6.74	6.52
7	7.80	6.57	5.58	5.51	5.34	5.76	6.45	5.66	6.12	7.20	6.77	6.52
8	7.64	6.55	5.57	5.48	5.33	5.79	6.62	5.55	6.47	7.11	6.86	6.51
9	7.45	6.37	5.56	5.46	5.32	5.72	6.65	5.46	6.58	7.09	6.96	6.50
10	7.35	6.27	5.55	5.44	5.29	5.65	6.63	5.37	6.63	7.24	7.06	6.44
11	7.31	6.20	5.54	5.39	5.26	5.44	6.57	5.33	6.64	7.28	7.04	6.26
12	7.29	6.05	5.53	5.34	5.22	5.21	6.34	5.33	6.71	7.42	6.96	6.11
13	7.23	5.95	5.52	5.31	5.19	5.09	6.04	5.30	6.80	7.44	6.77	5.85
14	7.17	5.90	5.51	5.33	5.18	5.03	5.86	5.26	6.98	7.36	6.60	5.67
15	7.12	5.93	5.50	5.42	5.17	4.99	5.74	5.25	7.08	7.34	6.54	5.55
16	7.09	6.22	5.49	6.31	5.16	4.97	5.67	5.22	7.15	7.31	6.49	5.55
17	7.04	6.36	5.48	6.74	5.16	4.97	5.64	5.16	7.07	7.36	6.46	5.55
18	7.00	6.29	5.45	6.68	5.16	4.97	5.62	5.14	6.93	7.34	6.37	5.54
19	6.97	6.22	5.43	6.43	5.16	4.95	5.47	5.13	6.89	7.21	6.31	5.53
20	6.96	6.18	5.43	6.11	5.15	4.93	5.39	5.12	6.83	7.16	6.28	5.53
21	6.98	6.17	5.42	5.76	5.15	4.92	5.34	5.13	6.70	7.12	6.20	5.52
22	7.05	6.20	5.40	5.61	5.14	4.92	5.29	5.17	6.69	7.09	6.14	5.52
23	7.06	6.20	5.41	5.55	5.11	5.10	5.26	5.16	6.82	7.05	6.15	5.49
24	7.06	6.21	5.42	5.50	5.10	6.10	5.25	5.13	6.74	6.97	6.38	5.45
25	7.06	6.23	5.41	5.47	5.09	6.60	5.23	5.11	6.67	6.92	6.51	5.43
26	7.04	6.15	5.42	5.45	5.10	6.79	5.19	5.10	6.66	6.86	6.77	5.41
27	7.02	6.12	5.43	5.43	5.13	6.86	5.23	5.08	6.66	6.59	6.85	5.39
28	6.99	6.11	5.44	5.42	5.16	6.91	5.25	5.05	6.74	6.36	6.74	5.38
29	6.91	6.08	5.55	5.41	---	6.96	5.22	5.06	7.12	6.18	6.57	5.38
30	6.85	6.08	5.63	5.40	---	6.88	5.19	5.06	7.38	6.16	6.49	5.36
31	6.82	---	5.66	5.39	---	6.78	---	5.07	---	6.18	6.46	---
MEAN	7.33	6.28	5.54	5.66	5.22	5.67	5.93	5.24	6.50	7.08	6.60	5.88
MAX	8.28	6.81	5.97	6.74	5.37	6.96	6.98	5.72	7.38	7.44	7.06	6.52
MIN	6.82	5.90	5.40	5.31	5.09	4.92	5.19	5.05	5.30	6.16	6.14	5.36
CAL YR	2004	MEAN 4.67	MAX 8.43	MIN 2.93								
WTR YR	2005	MEAN 6.08	MAX 8.28	MIN 4.92								

02240500 OCKLAWAHA RIVER AT EUREKA, FL

LOCATION.--Lat 29° 22' 18", long 81° 54' 07", in SW 1/4 sec.9, T.13 S., R.24 E., Marion County, Hydrologic Unit 03080102, near right bank on upstream end of bridge pier on County Road 316 in Eureka, 3.1 mi downstream from Eaton Creek, and 33.1 mi upstream from mouth.

DRAINAGE AREA.--1,367 mi².

PERIOD OF RECORD.--February 1930 to June 1934, September 1943 to December 1952, January 1981 to current year.

REVISED RECORDS.--WDR FL-81-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Feb. 13, 1930 to June 30, 1934, nonrecording gage, and Sept. 16, 1943 to Dec. 31, 1952, water-stage recorder near present site at datum 15.44 ft higher.

REMARKS.--Records good except for period of estimated daily discharge, which is poor. A maximum discharge, 4,040 ft³/s, and stage, 25.09 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 27, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,870	1,980	1,330	901	896	849	2,440	977	1,100	3,050	1,580	1,730
2	3,590	1,950	1,300	934	892	825	2,480	971	1,130	3,290	1,540	1,680
3	3,380	1,930	1,270	979	898	806	2,570	957	1,140	3,360	1,620	1,650
4	3,250	1,920	1,230	1,010	899	835	2,690	978	1,160	3,280	1,770	1,630
5	3,160	1,890	1,160	1,030	888	908	2,640	1,100	1,160	3,170	1,890	1,630
6	3,080	1,850	1,090	1,040	882	1,010	2,490	1,250	1,140	3,010	1,970	1,650
7	2,970	1,820	1,030	1,050	877	1,090	2,350	1,380	1,130	2,520	1,960	1,710
8	2,840	1,800	981	1,040	871	1,230	2,260	1,440	1,130	2,610	2,000	1,730
9	2,720	1,790	948	1,010	864	1,340	2,200	1,400	1,230	2,490	2,030	1,700
10	2,580	1,750	921	973	861	1,390	2,180	1,310	1,490	2,460	2,070	1,660
11	2,490	1,670	909	945	854	1,350	2,110	1,230	1,750	2,460	2,170	1,630
12	2,400	1,580	892	926	842	1,280	2,030	1,190	1,900	2,520	2,220	1,590
13	2,300	1,510	883	910	833	1,180	1,950	1,150	2,030	2,610	2,190	1,520
14	2,210	1,460	880	913	826	1,080	1,820	1,130	2,300	2,740	2,100	1,420
15	2,150	1,400	873	915	820	991	1,640	1,100	2,470	2,790	1,970	1,320
16	2,090	1,340	869	904	814	923	1,490	1,070	2,710	2,720	1,850	1,220
17	2,040	1,290	870	900	810	908	1,360	1,060	2,920	2,610	1,760	1,140
18	2,000	1,280	870	1,050	802	902	1,270	1,050	2,830	2,550	1,690	1,080
19	1,980	1,350	866	1,490	791	894	1,200	1,040	2,610	2,520	1,640	1,060
20	2,000	1,400	856	1,810	784	888	1,150	1,030	2,370	2,470	1,610	1,060
21	2,010	1,410	846	1,840	783	885	1,110	1,020	e2,050	2,380	1,580	1,060
22	2,000	1,390	842	1,730	785	890	1,060	1,030	e2,110	2,290	1,550	1,080
23	1,990	1,380	848	1,560	785	907	1,020	1,040	e2,120	2,230	1,520	1,120
24	2,000	1,370	863	1,370	804	922	989	1,050	e2,090	2,190	1,530	1,140
25	2,020	1,400	872	1,200	816	960	963	1,060	e2,050	2,120	1,610	1,110
26	2,030	1,410	886	1,090	822	1,180	955	1,060	e2,040	2,050	1,710	1,060
27	2,040	1,420	884	1,020	838	1,740	983	1,050	e2,010	1,990	1,760	1,030
28	2,050	1,430	878	973	866	2,270	995	1,040	e2,000	1,940	1,850	1,010
29	2,050	1,400	874	940	---	2,530	989	1,030	e2,300	1,860	1,900	998
30	2,040	1,360	874	923	---	2,590	977	1,030	2,570	1,770	1,880	1,000
31	2,020	---	878	910	---	2,550	---	1,050	---	1,680	1,810	---
TOTAL	75,350	46,930	29,573	34,286	23,503	38,103	50,361	34,273	57,040	78,010	56,330	40,418
MEAN	2,431	1,564	954	1,106	839	1,229	1,679	1,106	1,901	2,516	1,817	1,347
MAX	3,870	1,980	1,330	1,840	899	2,590	2,690	1,440	2,920	3,360	2,220	1,730
MIN	1,980	1,280	842	900	783	806	955	957	1,100	1,680	1,520	998
CFSM	1.78	1.14	0.70	0.81	0.61	0.90	1.23	0.81	1.39	1.84	1.33	0.99
IN.	2.05	1.28	0.80	0.93	0.64	1.04	1.37	0.93	1.55	2.12	1.53	1.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	1,258	1,108	1,079	1,167	1,142	1,306	1,289	988	1,075	1,168	1,214	1,378
MAX	2,431	1,940	1,847	2,516	2,912	3,231	2,763	1,915	2,743	2,516	2,243	2,650
(WY)	(2005)	(1948)	(1950)	(1998)	(1998)	(1998)	(1987)	(1931)	(1982)	(2005)	(2003)	(2004)
MIN	550	551	583	478	451	566	525	471	462	488	489	632
(WY)	(2001)	(2001)	(1991)	(2001)	(2001)	(2002)	(2002)	(2002)	(2001)	(2000)	(2000)	(1990)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1930 - 2005

ANNUAL TOTAL	420,263	564,177	
ANNUAL MEAN	1,148	1,546	1,179
HIGHEST ANNUAL MEAN			1,720
LOWEST ANNUAL MEAN			569
HIGHEST DAILY MEAN	5,050	Sep 9	3,870
LOWEST DAILY MEAN	618	Jul 9, 10	783
ANNUAL SEVEN-DAY MINIMUM	622	Jul 5	791
MAXIMUM PEAK FLOW			3,430
MAXIMUM PEAK STAGE			23.98
INSTANTANEOUS LOW FLOW			782
ANNUAL RUNOFF (CFSM)	0.840		1.13
ANNUAL RUNOFF (INCHES)	11.44		15.35
10 PERCENT EXCEEDS	2,180		1,910
50 PERCENT EXCEEDS	733		1,020
90 PERCENT EXCEEDS	673		643

e Estimated

02243000 ORANGE CREEK AT ORANGE SPRINGS, FL

LOCATION.--Lat 29° 30'34", long 81° 56'47", in NE 1/4 sec.25, T.11 S., R.23 E., Marion County, Hydrologic Unit 03080102, near right bank at downstream side of bridge on State Highway 21, 0.2 mi northwest of Orange Springs, and 0.45 mi upstream from Little Orange Creek.

DRAINAGE AREA.--1,119 mi², includes Paynes Prairie, a diked sinkhole area of 650 mi², approximately, which is noncontributing except by pumpage.

PERIOD OF RECORD.--November 1941 to June 1942 (discharge measurements only), July 1942 to December 1952, October 1955 to September 1971, October 1971 to April 1975 (discharge measurements only), May 1975 to current year.

REVISED RECORDS.--WDR FL-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.81 ft above NGVD of 1929. Prior to Oct. 18, 1955, and Oct. 13, 1971 to May 6, 1975, nonrecording gage at same site and datum. Feb. 4, 1980 to May 7, 1981, temporary gage 125 ft downstream at same datum.

REMARKS.--Records fair except for period of estimated daily discharge, which is poor. Records include some flow diverted, during periods of high stages, from Santa Fe Lake in Suwannee River basin through Lochloosa Creek. Since April 1963, concrete dam at outlet of Orange Lake, 11 mi upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in October 1941 reached a stage of 10.6 ft, from information by local resident, discharge 2,400 ft³/s, from rating curve extended above 1,500 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	424	500	156	148	59	58	87	81	101	297	280	194
2	625	476	152	143	58	51	217	83	91	295	277	193
3	758	453	153	138	61	48	198	80	85	423	304	178
4	1,030	426	158	134	60	48	162	88	84	467	299	161
5	1,180	399	165	130	57	45	141	189	82	438	296	155
6	1,090	371	169	126	55	42	125	229	80	445	323	188
7	1,040	346	171	123	53	40	133	200	77	471	311	318
8	1,030	325	173	120	51	113	207	181	85	469	318	272
9	1,010	308	173	115	49	88	179	165	114	462	302	220
10	1,000	290	187	110	49	73	163	150	105	511	283	194
11	1,040	275	196	106	46	66	149	139	106	491	269	175
12	1,100	261	187	101	44	60	136	132	124	448	256	160
13	1,080	249	184	96	42	55	140	124	328	430	242	147
14	1,050	237	182	103	40	51	132	117	256	451	231	137
15	1,010	227	179	104	39	48	124	111	430	520	222	128
16	980	218	176	99	38	47	118	109	405	474	213	121
17	946	209	174	94	37	49	112	130	321	430	208	115
18	912	200	172	91	34	49	107	108	284	406	206	110
19	880	192	169	88	32	45	102	97	261	392	217	104
20	853	185	164	86	31	43	97	91	239	386	197	99
21	830	178	160	84	30	41	91	104	220	381	196	108
22	805	171	158	84	29	42	86	138	204	371	191	126
23	774	165	159	83	29	49	83	110	189	362	185	110
24	746	161	162	79	30	49	81	99	174	351	200	101
25	711	180	160	76	34	92	78	92	171	337	230	95
26	676	172	168	74	36	142	76	87	183	319	209	90
27	644	167	164	72	61	161	83	83	161	303	192	86
28	610	173	159	68	73	142	83	79	176	287	175	84
29	580	167	155	65	---	125	82	75	183	273	168	83
30	551	161	152	66	---	109	79	72	244	277	162	81
31	525	---	150	62	---	96	---	81	---	276	171	---
TOTAL	26,490	7,842	5,187	3,068	1,257	2,167	3,651	3,624	5,563	12,243	7,333	4,333
MEAN	855	261	167	99.0	44.9	69.9	122	117	185	395	237	144
MAX	1,180	500	196	148	73	161	217	229	430	520	323	318
MIN	424	161	150	62	29	40	76	72	77	273	162	81
CFSM	0.76	0.23	0.15	0.09	0.04	0.06	0.11	0.10	0.17	0.35	0.21	0.13
IN.	0.88	0.26	0.17	0.10	0.04	0.07	0.12	0.12	0.18	0.41	0.24	0.14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2005, BY WATER YEAR (WY)

	MEAN	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	171	115	96.5	109	133	181	161	90.3	71.1	84.7	130	173
MAX	934	652	536	522	1,003	1,095	909	504	558	627	790	1,001
(WY)	(1965)	(1948)	(1948)	(1970)	(1970)	(1998)	(1970)	(1959)	(1959)	(1959)	(1965)	(1964)
MIN	3.00	3.04	3.59	4.93	5.09	4.83	4.04	1.49	2.31	3.44	2.52	2.59
(WY)	(1991)	(1991)	(1991)	(2001)	(1991)	(2000)	(2002)	(2002)	(2000)	(1992)	(1993)	(1990)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1942 - 2005	
ANNUAL TOTAL	55,893.1		82,758			
ANNUAL MEAN	153		227		128	
HIGHEST ANNUAL MEAN					500	
LOWEST ANNUAL MEAN					6.39	
HIGHEST DAILY MEAN	1,180	Oct 5	1,180	Oct 5	1,940	Sep 13, 1964
LOWEST DAILY MEAN	2.9	Jun 1	29	Feb 22, 23	1.0	Jun 19, 2000
ANNUAL SEVEN-DAY MINIMUM	3.3	May 27	31	Feb 18	1.3	Jun 16, 2000
MAXIMUM PEAK FLOW			1,250	Oct 4	2,170	Sep 13, 1964
MAXIMUM PEAK STAGE			8.73	Oct 4	9.86	Sep 13, 1964
INSTANTANEOUS LOW FLOW			28	Feb 23	1.0	Jun 19, 2000
ANNUAL RUNOFF (CFSM)	0.136		0.203		0.114	
ANNUAL RUNOFF (INCHES)	1.86		2.75		1.55	
10 PERCENT EXCEEDS	517		472		370	
50 PERCENT EXCEEDS	28		160		45	
90 PERCENT EXCEEDS	5.3		52		5.5	

02243960 OCKLAWAHA RIVER AT RODMAN DAM, NEAR ORANGE SPRINGS, FL

LOCATION.--Lat 29° 30'30", long 81° 48'15", in NW¹/₄ sec.28, T.11 S., R.25 E., Putnam County, Hydrologic Unit 03080102, at downstream side of control structure of Rodman Dam, 8.4 mi east of Orange Springs, and 11.6 mi upstream from mouth.

DRAINAGE AREA.--2,747 mi², includes Paynes Prairie, a diked sinkhole area of 650 mi², approximately, which is noncontributing except for pumpage.

PERIOD OF RECORD.--October 1968 to current year.

REVISED RECORDS.--WDR FL-77-1: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Auxiliary gage at upstream side of control structure at same datum.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Flow regulated by manipulation of gates in spillway; dam completed and flow through spillway began on Sept. 30, 1968. Discharge computed from relation between discharge, head, and gate openings. Since November 1969, diversion above station from Lake Ocklawaha for boat lockages, through Cross-Florida Barge Canal (see station 02244032) to St. Johns River.

COOPERATION.--Gate-opening record provided by Cross Florida Greenways and Trails.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e6,120	2,740	2,940	e1,650	e1,460	e573	2,760	955	1,500	3,810	2,060	2,180
2	e6,070	2,350	2,810	e1,650	e1,320	e591	2,700	956	1,710	4,160	2,060	2,180
3	e6,020	1,870	2,380	e1,650	e1,330	e606	2,710	957	1,540	4,360	1,850	2,180
4	e5,390	1,880	1,960	e1,650	e1,370	e620	3,000	955	1,260	4,450	1,810	2,030
5	e5,140	2,300	e1,950	e1,650	e1,370	631	3,140	1,410	1,210	4,500	2,000	1,780
6	5,160	2,600	e2,220	e1,650	e1,370	640	2,990	1,670	1,210	4,480	2,370	1,690
7	5,010	2,600	e2,340	e1,650	e1,430	653	3,100	1,670	1,210	4,460	2,660	1,990
8	5,010	2,590	e2,290	e1,650	e1,460	674	3,490	1,680	1,210	4,430	2,740	2,730
9	4,990	3,020	e2,100	e1,650	e1,460	688	3,620	1,680	1,140	4,390	2,740	2,550
10	4,980	2,540	e1,870	e1,650	e1,450	704	3,590	1,590	1,070	4,370	2,730	2,280
11	4,960	2,230	e1,870	e1,650	e1,440	720	3,560	1,540	1,070	3,040	2,730	2,280
12	4,660	2,880	e1,840	e1,640	e1,430	733	3,530	1,540	1,350	2,950	2,730	2,270
13	4,510	2,730	e1,790	e1,630	e1,430	745	3,500	1,450	1,760	3,230	2,720	2,140
14	4,530	2,700	e1,770	e1,630	e1,420	755	3,210	1,330	2,020	3,220	2,720	1,900
15	3,750	2,770	e1,750	e1,630	e1,420	763	2,890	1,330	2,500	2,850	2,720	1,560
16	3,740	2,870	e1,700	e1,630	e1,380	771	2,860	1,170	3,570	3,660	2,710	1,410
17	2,950	2,880	e1,680	e1,620	e1,250	778	2,830	1,030	4,200	3,940	2,440	1,240
18	2,600	2,840	e1,690	e1,600	e1,180	695	2,470	983	4,180	3,550	2,050	1,070
19	3,010	2,760	e1,680	e1,600	e1,180	658	2,120	983	4,140	3,440	1,930	1,060
20	3,110	2,700	e1,660	e1,620	e1,200	662	1,360	897	3,240	3,440	1,930	1,060
21	2,980	2,610	e1,470	e1,640	e1,250	666	1,060	844	2,890	3,350	1,820	1,070
22	2,910	2,500	e1,460	e1,640	e1,290	668	1,070	847	2,630	3,180	1,760	1,080
23	2,910	2,550	e1,540	e1,680	e1,290	672	1,070	849	2,700	3,140	1,760	1,430
24	2,920	2,580	e1,540	e1,770	e1,290	674	1,070	851	2,690	3,130	1,760	1,620
25	2,920	2,560	e1,540	e1,810	e1,300	679	1,080	850	2,260	2,890	1,970	1,620
26	2,830	2,740	e1,560	e1,900	e1,320	688	1,080	851	2,020	2,720	2,120	1,430
27	2,780	2,820	e1,610	e1,930	e1,340	697	1,090	851	2,020	2,400	2,120	1,250
28	2,780	2,780	e1,660	e1,790	e868	970	1,090	852	2,030	2,270	2,120	1,250
29	2,790	2,900	e1,660	e1,730	---	1,320	999	852	2,760	2,270	2,120	1,090
30	2,790	3,030	e1,650	e1,700	---	1,730	953	939	3,290	2,160	2,120	905
31	2,790	---	e1,650	e1,640	---	2,540	---	1,080	---	2,070	2,040	---
TOTAL	123,110	78,920	57,630	51,980	37,298	24,964	69,992	35,442	66,380	106,310	69,410	50,325
MEAN	3,971	2,631	1,859	1,677	1,332	805	2,333	1,143	2,213	3,429	2,239	1,678
MAX	6,120	3,030	2,940	1,930	1,460	2,540	3,620	1,680	4,200	4,500	2,740	2,730
MIN	2,600	1,870	1,460	1,600	868	573	953	844	1,070	2,070	1,760	905
IN.	1.67	1.07	0.78	0.70	0.51	0.34	0.95	0.48	0.90	1.44	0.94	0.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

MEAN	1,326	1,130	1,253	1,437	1,425	1,542	1,453	1,011	1,113	1,288	1,379	1,547
MAX	3,971	2,982	2,871	4,394	5,004	5,432	4,518	2,807	3,765	3,429	3,182	3,798
(WY)	(2005)	(1970)	(1970)	(1998)	(1970)	(1998)	(1970)	(1970)	(1982)	(2005)	(1978)	(2004)
MIN	384	310	478	423	531	421	345	357	378	387	445	554
(WY)	(2001)	(2001)	(1994)	(1982)	(1982)	(2001)	(1992)	(1985)	(2001)	(2001)	(1993)	(1993)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1969 - 2005

ANNUAL TOTAL	598,230						771,753					
ANNUAL MEAN	1,635						2,114			1,325		
HIGHEST ANNUAL MEAN										3,245		1970
LOWEST ANNUAL MEAN										519		2001
HIGHEST DAILY MEAN	e9,330				Sep 10		e6,120		Oct 1	9,560		Feb 5, 1970
LOWEST DAILY MEAN	489				May 27-29		e573		Mar 1	0.00		Many days
ANNUAL SEVEN-DAY MINIMUM	490				May 27		616		Mar 1	207		Jul 4, 1969
MAXIMUM PEAK STAGE							a8.29		Oct 5	9.64		Apr 12, 1982
ANNUAL RUNOFF (INCHES)	8.10						10.45			6.55		
10 PERCENT EXCEEDS	3,020						3,540			2,590		
50 PERCENT EXCEEDS	1,000						1,810			1,060		
90 PERCENT EXCEEDS	567						862			460		

e Estimated

a Value may have been higher during period of missing record Oct 1-5

02243960 OCKLAWAHA RIVER AT RODMAN DAM, NEAR ORANGE SPRINGS, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.49	6.67	5.26	5.08	3.69	6.13	4.40	4.75	6.81	5.73	5.87
2	---	6.32	6.60	5.25	4.95	3.39	6.20	4.38	5.10	7.11	5.74	5.87
3	---	5.88	6.42	5.25	4.86	3.30	6.12	4.38	5.17	7.22	5.65	5.86
4	---	5.79	5.97	5.24	4.89	3.30	6.21	4.38	5.01	7.35	5.54	5.79
5	---	5.92	5.84	5.25	4.92	3.31	6.38	4.69	4.88	7.36	5.65	5.61
6	8.21	6.25	5.89	5.25	4.93	3.32	6.37	5.20	4.85	7.33	5.90	5.47
7	8.15	6.29	6.04	5.24	4.94	3.33	6.39	5.27	4.83	7.31	6.16	5.65
8	8.09	6.29	6.01	5.24	4.97	3.37	6.59	5.28	4.83	7.29	6.29	6.12
9	8.07	6.83	5.93	5.23	4.97	3.26	6.75	5.28	4.79	7.29	6.31	6.28
10	8.02	7.43	5.76	5.22	4.95	3.20	6.74	5.26	4.69	7.35	6.30	6.03
11	8.01	7.09	5.70	5.21	4.93	3.16	6.73	5.12	4.73	6.99	6.29	5.98
12	7.92	6.52	5.65	5.20	4.91	3.06	6.72	5.06	4.89	6.51	6.29	5.96
13	7.77	6.48	5.60	5.19	4.90	2.98	6.69	5.01	5.32	6.57	6.27	5.90
14	7.58	6.47	5.56	5.20	4.89	2.96	6.58	4.87	5.60	6.63	6.27	5.72
15	7.38	6.49	5.49	5.19	4.87	2.96	6.36	4.83	5.92	6.54	6.28	5.45
16	7.34	6.56	5.39	5.17	4.82	3.00	6.31	4.75	6.51	6.75	6.30	5.19
17	7.30	6.61	5.26	5.16	4.69	3.01	6.28	4.53	7.05	7.06	6.16	5.04
18	7.06	6.58	5.28	5.14	4.56	2.96	6.11	4.46	7.10	6.87	5.84	4.76
19	6.79	6.53	5.28	5.13	4.52	2.95	5.77	4.44	7.09	6.76	5.64	4.71
20	6.80	6.46	5.25	5.14	4.51	2.95	5.25	4.37	6.79	6.75	5.62	4.70
21	6.75	6.42	5.15	5.17	4.54	3.36	4.79	4.29	6.38	6.71	5.56	4.76
22	6.68	6.36	5.00	5.22	4.62	3.72	4.55	4.28	6.22	6.61	5.46	4.84
23	6.68	6.29	5.08	5.28	4.63	3.74	4.29	4.26	6.21	6.54	5.44	5.03
24	6.68	6.29	5.11	5.33	4.66	3.69	4.20	4.24	6.22	6.53	5.44	5.38
25	6.68	6.39	5.13	5.41	4.66	3.82	4.15	4.22	6.05	6.43	5.58	5.42
26	6.64	6.45	5.17	5.45	4.67	3.88	4.15	4.22	5.76	6.29	5.80	5.32
27	6.57	6.57	5.21	5.53	4.73	3.84	4.21	4.23	5.73	6.10	5.83	5.09
28	6.55	6.56	5.27	5.47	4.51	4.00	4.41	4.22	5.76	5.94	5.84	5.02
29	6.54	6.56	5.28	5.35	---	4.40	4.49	4.22	6.05	5.92	5.84	4.89
30	6.54	6.71	5.28	5.31	---	4.89	4.41	4.22	6.59	5.88	5.84	4.53
31	6.53	---	5.27	5.24	---	5.61	---	4.31	---	5.76	5.82	---
MEAN	---	6.46	5.57	5.26	4.79	3.50	5.68	4.60	5.70	6.73	5.89	5.41
MAX	---	7.43	6.67	5.53	5.08	5.61	6.75	5.28	7.10	7.36	6.31	6.28
MIN	---	5.79	5.00	5.13	4.51	2.95	4.15	4.22	4.69	5.76	5.44	4.53

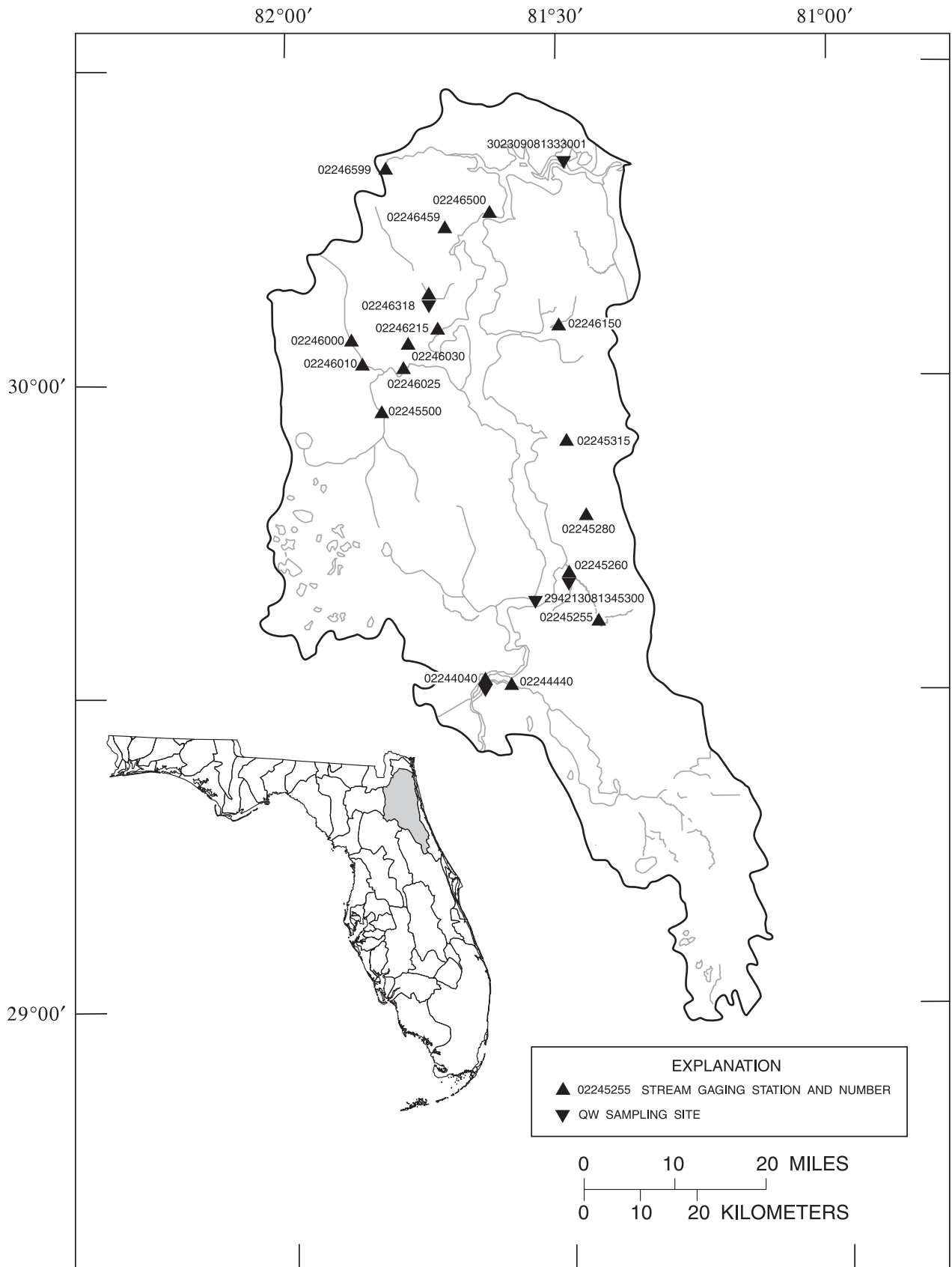


Figure 6.--Location of stream gaging stations in the St. Johns River basin below the Ocklawaha River basin.

02244040 ST. JOHNS RIVER AT BUFFALO BLUFF NEAR SATSUMA, FL

LOCATION.--Lat 29° 35'46", long 81° 41'00", in SE¹/₄ sec.27, T.10 S., R.26 E., Putnam County, Hydrologic Unit 03080103, near left bank, 400 ft upstream from CSX Transportation bridge, 2.4 mi downstream from Cross-Florida Barge Canal, 3.2 mi northwest of Satsuma, and 89 mi upstream from mouth.

DRAINAGE AREA.--6,580 mi², approximately. Includes Paynes Prairie, a diked sinkhole area of about 650 mi², which is noncontributing.

PERIOD OF RECORD.--September 1943 to July 1948 (gage heights only), October 1992 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is 10.00 ft below NGVD of 1929. Prior to Oct. 1, 1996 at datum 1.00 ft lower.

REMARKS.--Records fair. Discharge represents net of much larger upstream and downstream discharges.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20,400	19,400	12,800	10,800	2,110	7,590	7,330	3,530	6,940	12,500	10,500	12,200
2	21,100	18,700	13,100	9,540	106	8,420	3,710	2,170	6,310	11,300	8,830	7,200
3	21,200	18,600	11,000	8,100	4,190	9,500	10,700	1,690	7,720	12,200	7,220	4,790
4	20,900	18,700	11,800	8,340	157	6,580	12,300	1,440	8,680	13,100	6,220	5,100
5	19,800	13,600	12,200	8,450	1,810	9,290	9,500	-574	6,730	13,300	7,380	-1,110
6	19,400	12,400	12,000	9,160	997	8,750	7,750	-2,890	5,540	13,000	6,690	-5,300
7	17,000	15,400	12,800	8,290	4,160	6,690	7,260	3,960	4,870	13,900	7,780	-9,790
8	16,200	15,500	13,400	7,300	6,830	6,770	5,550	8,840	4,770	13,300	7,700	-10,500
9	16,700	5,590	13,400	5,630	9,630	4,100	2,800	8,620	5,620	12,200	9,860	-3,040
10	18,700	8,710	12,600	3,330	7,010	2,360	231	7,560	4,880	13,800	10,800	8,520
11	18,900	13,200	9,710	3,010	6,620	6,000	4,310	7,030	6,570	12,400	11,600	11,700
12	19,600	15,300	10,900	3,720	9,550	7,140	7,880	6,640	6,670	12,300	11,900	11,100
13	18,700	12,400	12,100	5,900	9,560	9,840	7,590	6,790	6,400	12,500	11,900	11,800
14	18,800	3,040	3,150	5,320	10,000	7,230	825	6,000	7,790	12,500	12,200	12,300
15	18,900	4,990	-177	-9,240	11,600	-3,260	-3,860	6,920	8,700	11,700	11,500	13,800
16	19,900	13,800	795	-9,880	12,300	-597	-2,480	8,380	10,300	12,800	12,300	14,600
17	21,000	14,700	4,540	963	9,510	-6,160	313	7,380	8,680	13,400	11,700	13,100
18	20,200	15,000	6,530	1,490	3,680	-5,560	7,930	3,120	6,610	13,200	9,900	10,200
19	20,300	15,900	8,630	6,760	6,050	1,040	12,700	1,630	4,480	13,000	6,580	7,580
20	19,700	16,700	8,820	11,000	10,900	3,970	13,700	4,110	1,100	13,400	6,280	5,260
21	16,900	16,500	9,910	10,300	10,600	6,420	12,200	1,580	5,210	12,500	6,850	6,330
22	10,200	15,600	7,810	8,720	9,290	5,450	11,500	-1,920	7,410	11,900	7,680	8,160
23	6,210	14,400	10,200	953	5,570	7,550	10,600	4,640	9,030	9,940	7,610	8,420
24	12,500	16,000	5,450	4,000	2,640	7,520	5,600	5,870	7,660	4,920	6,830	10,300
25	13,100	14,300	-1,250	10,600	-4,000	5,310	9,100	-2,540	2,750	5,600	3,800	10,900
26	11,700	12,600	-12,300	9,630	-8,420	3,960	9,920	94	6,730	11,100	1,780	11,300
27	13,400	11,400	4,120	4,120	-1,600	2,420	5,980	4,620	9,910	13,200	5,850	10,400
28	16,000	10,200	5,990	-9,500	505	6,590	3,710	4,100	10,300	13,400	10,200	9,690
29	16,300	12,500	9,940	983	---	8,240	5,710	3,760	10,400	12,700	12,400	7,120
30	17,200	12,800	10,600	5,060	---	8,150	6,190	2,850	10,500	13,100	11,700	7,480
31	18,300	---	11,000	4,270	---	4,410	---	4,500	---	11,900	11,000	---
TOTAL	539,210	407,930	251,568	147,119	141,355	155,713	196,549	119,900	209,260	376,060	274,540	209,610
MEAN	17,390	13,600	8,115	4,746	5,048	5,023	6,552	3,868	6,975	12,130	8,856	6,987
MAX	21,200	19,400	13,400	11,000	12,300	9,840	13,700	8,840	10,500	13,900	12,400	14,600
MIN	6,210	3,040	-12,300	-9,880	-8,420	-6,160	-3,860	-2,890	1,100	4,920	1,780	-10,500

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

MEAN	7,422	7,458	5,783	5,780	4,784	5,174	3,981	2,180	3,547	4,988	4,786	6,586
MAX	17,390	14,270	14,230	15,230	13,690	17,290	10,880	6,302	7,998	12,130	9,535	13,280
(WY)	(2005)	(1995)	(1995)	(1995)	(1998)	(1998)	(1998)	(1998)	(1994)	(2005)	(2002)	(2004)
MIN	1,027	227	1,652	-278	952	1,348	741	-512	545	756	317	745
(WY)	(1994)	(1994)	(1994)	(1994)	(2001)	(2000)	(1997)	(2002)	(1993)	(2000)	(1993)	(1999)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1993 - 2005

ANNUAL TOTAL	2,367,567	3,028,814	
ANNUAL MEAN	6,469	8,298	5,426
HIGHEST ANNUAL MEAN			8,298
LOWEST ANNUAL MEAN			2,608
HIGHEST DAILY MEAN	26,300	Sep 27	21,200
LOWEST DAILY MEAN	-15,300	Sep 5	-12,300
ANNUAL SEVEN-DAY MINIMUM	-2,630	Jan 6	-2,840
MAXIMUM PEAK STAGE			13.39
10 PERCENT EXCEEDS	17,100		15,300
50 PERCENT EXCEEDS	5,040		8,420
90 PERCENT EXCEEDS	-836		1,020

Note.--Negative figures indicate reverse flow

02244440 DUNNS CREEK NEAR SATSUMA, FL

LOCATION.--Lat 29° 34'39", long 81° 37'35", in NE 1/4 sec. 1, T.11 S., R.27 E., Putnam County, Hydrologic Unit 03080103, on bridge pile near left bank of the bridge on U.S. Highway 17, 0.3 mi upstream from Murphy Creek, 0.8 mi upstream from mouth, 2.4 mi northeast of Satsuma, and 3.1 mi southwest of San Mateo.

DRAINAGE AREA.--585 mi².

PERIOD OF RECORD.--January 1978 to current year.

REVISED RECORDS.--WDR FL-93-1A: Drainage area.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is 10.00 ft below NGVD of 1929. Prior to July 21, 1987, at site 200 ft downstream at present datum.

REMARKS.--Records fair. Discharge not published October 1-7, 2004, due to bad velocity record. Discharge represents net of much larger upstream and downstream discharges.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3,050	1,040	1,500	-490	2,090	1,570	188	1,020	2,060	1,250	1,680
2	---	2,420	1,110	1,050	-1,370	2,540	835	-311	1,070	1,740	507	517
3	---	1,880	293	636	-135	2,290	3,580	-536	1,370	1,990	114	-275
4	---	2,290	661	681	-676	1,240	3,630	-687	1,480	2,270	128	-308
5	---	74	1,070	759	-357	1,940	2,470	-1,180	912	2,360	430	-2,160
6	---	-424	1,040	974	-457	1,650	1,660	-1,330	536	2,330	304	-3,390
7	---	314	1,160	839	210	914	1,050	985	211	2,850	473	-4,290
8	917	454	1,460	370	901	906	828	2,110	78	2,850	845	-3,400
9	1,370	-987	1,180	7.0	1,450	357	243	2,160	195	2,220	2,070	-739
10	2,190	-702	1,090	-555	943	-139	-704	1,640	58	2,530	2,770	2,660
11	2,530	-343	564	-707	1,140	501	240	1,580	422	2,330	3,270	3,930
12	2,180	213	938	-565	1,510	1,150	1,050	1,410	478	2,730	3,230	3,620
13	2,010	-19	1,100	-127	1,430	1,870	1,010	1,340	786	3,570	3,180	3,800
14	2,230	-1,190	-1,040	74	1,520	1,170	-498	907	1,030	4,070	2,980	3,630
15	2,280	-963	-1,930	-3,370	2,060	-1,740	-1,920	1,080	1,560	3,850	2,700	4,160
16	2,630	54	-1,830	-3,830	2,250	-1,470	-1,740	1,600	1,960	3,930	2,530	4,250
17	3,140	353	-1,070	-841	1,320	-2,590	-893	1,010	1,400	3,740	2,030	3,290
18	2,260	845	-249	-445	-324	-2,140	1,270	48	788	3,490	1,290	2,270
19	2,470	1,910	454	925	491	-269	2,750	-393	272	2,900	447	1,430
20	2,260	2,280	1,090	2,260	1,500	472	3,160	187	-623	2,440	265	540
21	553	2,310	1,130	1,840	1,420	1,160	2,460	-491	184	2,060	431	220
22	-2,400	1,500	543	1,090	1,290	622	2,130	-1,370	869	1,600	591	812
23	-3,130	927	787	-661	239	1,180	2,310	431	1,340	853	538	1,010
24	-1,020	1,620	1.3	214	-777	1,200	849	1,010	918	-335	399	1,430
25	-541	1,450	-2,120	1,570	-2,280	727	1,330	-1,240	-555	-643	-292	1,650
26	-824	946	-4,950	1,260	-3,280	82	1,510	-872	313	691	-1,410	1,700
27	-345	-57	-683	71	-1,790	123	591	428	1,410	1,840	-479	1,900
28	934	55	166	-3,960	-869	1,610	-18	516	1,830	1,950	806	1,330
29	1,320	864	1,320	-1,510	---	3,010	247	378	1,840	1,870	1,460	489
30	1,740	748	1,640	126	---	2,630	361	171	1,710	1,610	1,470	782
31	2,370	---	1,730	52	---	1,300	---	402	---	1,390	1,560	---
TOTAL	---	21,872	7,695.3	-273.0	6,869	24,386	31,361	11,171	24,862	69,136	35,887	32,538
MEAN	---	729	248	-8.81	245	787	1,045	360	829	2,230	1,158	1,085
MAX	---	3,050	1,730	2,260	2,250	3,010	3,630	2,160	1,960	4,070	3,270	4,250
MIN	---	-1,190	-4,950	-3,960	-3,280	-2,590	-1,920	-1,370	-623	-643	-1,410	-4,290

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2005, BY WATER YEAR (WY)

MEAN	716	721	466	737	647	681	324	-33.8	355	591	467	762
MAX	3,011	3,035	2,205	2,823	4,431	2,249	1,670	1,898	2,274	2,230	1,845	3,981
(WY)	(1996)	(1995)	(1998)	(1983)	(1983)	(1983)	(1996)	(1997)	(1997)	(2005)	(2004)	(2004)
MIN	-241	-93.6	-356	-217	-184	-311	-576	-373	-806	-328	-775	-600
(WY)	(1991)	(1984)	(1991)	(1991)	(1982)	(1995)	(1999)	(2002)	(1979)	(1999)	(1995)	(1978)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1978 - 2005

ANNUAL TOTAL	278,969.8	292,628.3	
ANNUAL MEAN	793	817	537
HIGHEST ANNUAL MEAN			975
LOWEST ANNUAL MEAN			-128
HIGHEST DAILY MEAN	8,180	Sep 10	4,250
LOWEST DAILY MEAN	-4,950	Dec 26	-4,950
ANNUAL SEVEN-DAY MINIMUM	-1,100	Oct 21	-2,080
MAXIMUM PEAK STAGE			13.70
10 PERCENT EXCEEDS	2,840		2,530
50 PERCENT EXCEEDS	505		918
90 PERCENT EXCEEDS	-899		-900
			10,600
			-8,340
			-3,130
			*14.82
			2,160
			419
			-895
			1983
			1999
			Sep 20, 2001
			Sep 15, 1999
			Aug 29, 1999
			Sep 16, 2001

* From floodmark

Note.--Negative figures indicate reverse flow

294213081345300 ST. JOHNS RIVER AT DANCY POINT NEAR SPUDS, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 29° 42'13", long 81° 34'53", in T.9 S., R.27 E., Putnam County, Hydrologic Unit 03080103, on Aids to Navigation marker (Dancy Point RFL: LLNR 7965), 6.0 mi southwest of Spuds, 5.0 mi northeast of Palatka, and 68 mi upstream from mouth.

PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE (TOP, BOTTOM): January 1998 to current year.
 WATER TEMPERATURE (TOP, BOTTOM): January 1998 to current year.
 DISSOLVED OXYGEN (TOP, BOTTOM): January 1998 to current year.
 TURBIDITY: May 2002 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Extremes for current year and extremes for period of daily record are based on recorded values and may have been exceeded during periods of no record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (TOP): Maximum daily mean, 1,980 $\mu\text{S}/\text{cm}$ @ 25 °C, Sept. 16, 1999; minimum daily mean, 322 $\mu\text{S}/\text{cm}$ @ 25 °C, Feb. 26, 1998.
 SPECIFIC CONDUCTANCE (BOTTOM): Maximum daily mean, 2,230 $\mu\text{S}/\text{cm}$ @ 25 °C, Sept. 16, 1999; minimum daily mean, 323 $\mu\text{S}/\text{cm}$ @ 25 °C, Feb. 26, 1998.
 WATER TEMPERATURE (TOP): Maximum daily mean, 32.4 °C, Aug. 1, 1999; minimum daily mean, 9.7 °C, Jan. 4, 5, 2001.
 WATER TEMPERATURE (BOTTOM): Maximum daily mean, 32.3 °C, Aug. 1, 1999; minimum daily mean, 9.6 °C, Jan. 4, 2001.
 DISSOLVED OXYGEN (TOP): Maximum daily mean, 12.2 mg/L, Jan. 15, 2001; minimum daily mean, 0.6 mg/L, Oct. 10, 2004.
 DISSOLVED OXYGEN (BOTTOM): Maximum daily mean, 12.2 mg/L, Jan. 15, 2001; minimum daily mean, 1.1 mg/L, Sept. 27, 2001.
 TURBIDITY: Maximum daily mean, 53 NTU, Sept. 5, 2004; minimum daily mean, 0.1 NTU, May 15, 16, 2005.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE (TOP): Maximum daily mean, 954 $\mu\text{S}/\text{cm}$ @ 25, Mar. 14; minimum daily mean, 424 $\mu\text{S}/\text{cm}$ @ 25 °C, Oct. 16.
 SPECIFIC CONDUCTANCE (BOTTOM): Maximum daily mean, 985 $\mu\text{S}/\text{cm}$ @ 25 °C, June 1; minimum daily mean, 453 $\mu\text{S}/\text{cm}$ @ 25 °C, Nov. 3.
 WATER TEMPERATURE (TOP): Maximum daily mean, 32.0 °C, Aug. 23; minimum daily mean 11.7 °C, Dec. 27, 28.
 WATER TEMPERATURE (BOTTOM): Maximum daily mean, 31.9 °C, Aug. 23; minimum daily mean 11.7 °C, Dec. 27, 28.
 DISSOLVED OXYGEN (TOP): Maximum daily mean, 11.7 mg/L, Mar. 22; minimum daily mean, 0.6 mg/L, Oct. 10.
 DISSOLVED OXYGEN (BOTTOM): Maximum daily mean, 10.7 mg/L, Mar. 6; minimum daily mean, 1.7 mg/L, Aug. 23, 24.
 TURBIDITY: Maximum daily mean, 21 NTU, Mar. 28; minimum daily mean, 0.1 NTU, May 15, 16.

SPECIFIC CONDUCTANCE, TOP, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	570	491	501	670	675	781	870	931	950	761	641	654
2	534	468	543	678	670	811	821	930	945	833	643	692
3	515	453	579	668	678	811	812	933	928	852	640	714
4	506	455	585	662	673	817	839	932	925	827	634	728
5	492	461	574	668	679	812	804	922	931	800	614	720
6	474	478	566	677	681	801	768	909	930	757	625	659
7	462	505	554	676	689	807	732	911	922	722	633	609
8	457	515	548	669	690	822	728	879	927	700	627	602
9	462	513	557	662	706	821	750	871	929	705	616	595
10	481	514	587	659	715	820	753	860	930	716	628	612
11	484	508	589	659	718	839	759	839	924	719	637	576
12	469	502	584	659	722	873	751	798	921	698	619	624
13	462	521	559	658	724	922	721	736	921	676	615	624
14	454	517	548	641	747	954	739	745	917	668	610	560
15	438	517	555	652	742	950	733	759	902	686	603	538
16	424	519	563	679	751	945	730	812	893	710	598	546
17	428	526	566	679	761	928	738	848	896	701	600	558
18	440	507	570	680	762	873	747	864	917	672	603	561
19	438	493	560	684	767	870	733	873	900	664	607	568
20	435	488	558	660	767	890	670	886	890	665	608	574
21	430	485	594	642	772	932	620	895	873	652	609	566
22	434	488	614	639	807	952	566	879	862	652	615	555
23	437	495	641	638	815	953	629	889	848	665	619	558
24	444	484	660	637	814	933	710	897	831	669	620	568
25	461	477	646	644	818	912	765	898	809	673	625	577
26	475	468	610	653	790	900	836	890	776	671	633	573
27	480	463	611	665	771	899	894	895	652	667	640	593
28	489	467	616	658	771	889	914	909	661	638	652	617
29	515	465	646	655	---	842	931	920	720	596	654	632
30	522	---	661	658	---	851	935	930	677	612	656	646
31	514	---	659	659	---	889	---	937	---	629	627	---
MEAN	472	---	587	661	738	874	767	877	870	699	624	607
MAX	570	---	661	684	818	954	935	937	950	852	656	728
MIN	424	---	501	637	670	781	566	736	652	596	598	538

ST. JOHNS RIVER BASIN BELOW OCKLAWAHA RIVER

294213081345300 ST. JOHNS RIVER AT DANCY POINT NEAR SPUDS, FL—Continued

SPECIFIC CONDUCTANCE, BOTTOM, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	492	499	668	644	776	831	961	985	756	637	634
2	---	468	541	677	642	808	788	961	973	825	637	662
3	---	453	579	665	648	808	780	963	952	850	634	693
4	---	454	584	661	644	812	811	958	945	818	625	716
5	---	462	572	669	647	809	786	951	952	791	606	723
6	---	478	565	676	651	794	771	937	952	748	617	670
7	---	506	553	676	658	803	737	942	954	726	622	623
8	---	516	545	669	659	818	732	914	956	713	620	609
9	---	515	555	663	674	819	757	899	958	717	609	594
10	---	515	585	659	683	821	758	886	962	728	623	611
11	---	508	587	659	686	840	764	867	959	733	639	574
12	---	502	580	660	688	874	755	822	961	711	623	623
13	---	520	558	658	694	919	726	765	962	689	618	623
14	---	518	547	638	714	951	747	766	959	680	613	554
15	---	518	554	651	711	948	736	779	944	698	607	538
16	---	519	562	679	720	936	735	834	928	716	602	546
17	---	525	566	679	730	919	740	871	932	708	601	559
18	---	508	566	679	732	860	745	891	947	682	610	566
19	---	492	558	682	736	877	733	899	942	675	614	573
20	---	486	555	658	734	879	669	909	922	673	618	582
21	---	482	592	644	740	918	610	919	906	659	622	582
22	---	486	614	640	774	937	561	912	883	660	627	567
23	---	491	640	637	780	935	628	918	868	673	632	583
24	---	482	658	636	791	909	717	931	850	678	630	594
25	466	474	644	628	812	888	780	932	828	680	632	601
26	475	463	608	623	783	875	845	927	786	679	634	595
27	480	461	612	635	766	872	910	931	660	676	638	613
28	489	465	616	629	766	860	944	948	667	646	645	640
29	516	465	643	626	---	813	959	960	723	598	628	652
30	523	---	658	629	---	826	964	969	669	612	637	661
31	513	---	656	630	---	870	---	978	---	628	607	---
MEAN	---	---	586	654	711	864	767	906	896	704	623	612
MAX	---	---	658	682	812	951	964	978	985	850	645	723
MIN	---	---	499	623	642	776	561	765	660	598	601	538

294213081345300 ST. JOHNS RIVER AT DANCY POINT NEAR SPUDS, FL—Continued

 TEMPERATURE, TOP, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	24.6	19.7	13.5	13.4	17.0	22.2	23.3	27.3	28.8	30.7	30.1
2	27.3	24.9	19.2	14.2	13.4	16.4	22.2	23.4	27.1	29.2	30.6	30.5
3	27.8	25.2	18.7	14.8	13.5	15.8	21.3	23.7	27.0	29.2	30.5	30.0
4	27.9	25.3	18.3	15.2	13.2	15.5	20.8	23.5	26.8	29.5	30.3	29.4
5	28.0	25.0	17.9	15.7	12.9	15.9	21.5	23.0	27.1	29.6	30.3	28.9
6	27.5	23.9	18.0	16.2	13.0	16.4	21.9	22.2	27.9	29.9	30.3	28.0
7	26.7	23.4	18.5	16.6	13.7	16.8	22.2	22.1	28.6	30.2	30.2	27.2
8	26.2	22.9	18.8	17.2	14.3	17.1	21.9	22.7	28.9	30.3	30.2	26.8
9	26.0	22.1	19.1	17.7	15.0	16.4	21.9	23.3	29.0	30.3	29.9	26.4
10	26.1	21.5	19.4	18.2	15.6	15.9	21.8	23.9	28.7	29.5	29.8	26.6
11	25.7	21.3	18.9	18.5	15.1	15.8	21.9	24.2	27.9	29.3	29.9	26.7
12	25.3	21.4	17.8	18.7	14.5	15.9	22.4	24.3	27.6	29.5	30.4	27.3
13	25.3	21.6	17.3	19.0	14.6	16.6	22.7	25.0	27.9	29.6	30.9	27.4
14	25.0	21.2	16.8	19.4	15.2	17.6	22.3	25.4	28.5	29.5	31.3	27.5
15	24.6	20.6	14.7	18.0	15.8	17.8	21.1	25.7	29.2	29.7	31.2	27.6
16	23.9	20.1	13.6	16.2	16.6	17.9	20.3	26.4	28.9	29.9	31.3	27.7
17	23.8	20.0	13.5	15.1	17.0	17.9	19.9	26.4	29.3	30.5	31.5	28.0
18	23.8	20.0	13.9	13.9	16.6	16.6	20.4	26.8	29.3	30.6	31.5	28.3
19	24.0	19.9	13.8	13.4	16.3	16.0	20.9	27.0	29.1	30.7	31.4	28.6
20	24.4	20.2	13.1	13.1	16.4	16.5	21.3	27.6	28.7	31.0	31.5	28.6
21	25.0	20.5	13.0	13.7	17.1	17.5	21.9	27.3	28.5	31.1	31.4	28.4
22	24.9	20.7	13.2	14.3	18.1	18.0	22.1	26.5	28.7	31.4	31.9	27.9
23	24.4	21.0	13.9	14.1	18.8	18.8	22.4	26.8	29.1	31.4	32.0	27.7
24	24.0	21.5	14.1	12.7	19.1	19.3	21.6	27.2	29.0	31.2	31.7	27.9
25	24.1	21.6	13.3	12.6	18.7	19.8	21.1	27.0	28.8	31.1	31.3	28.3
26	24.0	20.5	12.4	12.6	17.6	19.8	21.3	26.7	28.9	31.2	31.0	28.4
27	24.0	19.7	11.7	13.3	17.3	20.2	21.6	26.6	29.4	31.5	30.9	28.6
28	23.8	19.8	11.7	13.2	17.3	20.4	22.0	27.2	28.9	31.5	30.8	28.6
29	23.9	19.8	12.1	13.2	---	20.2	22.5	27.4	28.5	31.1	30.7	28.4
30	24.1	---	12.6	13.8	---	20.6	23.4	27.7	28.4	30.7	30.6	28.6
31	24.2	---	13.0	13.7	---	21.6	---	27.6	---	30.8	30.1	---
MEAN	25.2	---	15.5	15.2	15.7	17.7	21.7	25.4	28.4	30.3	30.8	28.1
MAX	28.0	---	19.7	19.4	19.1	21.6	23.4	27.7	29.4	31.5	32.0	30.5
MIN	23.8	---	11.7	12.6	12.9	15.5	19.9	22.1	26.8	28.8	29.8	26.4

ST. JOHNS RIVER BASIN BELOW OCKLAWAHA RIVER

294213081345300 ST. JOHNS RIVER AT DANCY POINT NEAR SPUDS, FL—Continued

TEMPERATURE, BOTTOM, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	24.5	19.8	13.4	13.4	17.2	22.2	23.2	27.4	28.7	30.5	30.0
2	---	24.8	19.2	14.0	13.4	16.5	22.5	23.2	27.1	29.2	30.5	30.4
3	---	25.1	18.7	14.6	13.5	16.0	21.5	23.4	27.0	29.2	30.4	30.0
4	---	25.3	18.4	15.0	13.3	15.5	21.0	23.5	26.9	29.5	30.2	29.4
5	---	24.9	17.8	15.6	12.8	16.0	21.5	23.0	27.0	29.6	30.2	28.9
6	---	23.8	18.0	16.2	13.0	16.4	22.0	22.2	27.7	29.9	30.2	28.0
7	---	23.3	18.5	16.6	13.7	16.8	22.4	21.9	28.4	30.1	30.1	27.2
8	---	22.9	18.8	17.1	14.2	17.3	22.0	22.6	28.9	30.3	30.1	26.8
9	---	22.1	19.1	17.6	14.9	16.6	22.0	23.0	29.0	30.3	29.8	26.6
10	---	21.5	19.4	18.1	15.6	15.9	22.0	23.6	28.8	29.5	29.7	26.7
11	---	21.3	18.9	18.4	15.1	16.0	21.9	24.0	28.0	29.2	29.7	26.7
12	---	21.4	17.8	18.6	14.5	16.1	22.4	24.2	27.6	29.4	30.1	27.3
13	---	21.6	17.3	19.1	14.4	16.7	22.9	24.8	27.9	29.5	30.6	27.4
14	---	21.2	16.8	19.4	15.1	17.6	22.5	25.2	28.4	29.4	31.0	27.4
15	---	20.6	14.7	18.1	15.8	18.0	21.3	25.6	29.2	29.7	31.0	27.5
16	---	20.1	13.6	16.2	16.6	18.1	20.5	26.3	28.9	29.7	31.1	27.6
17	---	20.1	13.4	15.1	17.0	18.1	20.1	26.2	29.2	30.2	31.4	27.8
18	---	20.0	13.8	13.9	16.6	16.8	20.1	26.6	29.3	30.4	31.2	28.1
19	---	19.9	13.9	13.2	16.2	15.8	20.6	26.9	29.1	30.5	31.1	28.5
20	---	20.2	13.2	13.2	16.3	16.4	21.3	27.3	28.8	30.8	31.3	28.6
21	---	20.4	13.0	13.7	17.0	17.5	21.8	27.3	28.6	30.9	31.2	28.3
22	---	20.7	13.1	14.3	17.9	18.1	22.2	26.5	28.6	31.2	31.7	27.8
23	---	21.0	14.0	14.2	18.6	19.0	22.5	26.8	29.0	31.4	31.9	27.6
24	---	21.5	14.2	12.7	19.1	19.2	21.7	27.2	29.1	31.1	31.6	27.5
25	24.2	21.6	13.4	12.5	18.9	20.0	21.1	27.1	28.8	31.0	31.3	27.8
26	23.9	20.4	12.5	12.6	17.8	19.9	21.5	26.6	28.8	31.1	30.9	28.0
27	23.9	19.7	11.7	13.2	17.5	20.2	21.7	26.5	29.4	31.3	30.9	28.0
28	23.7	19.8	11.7	13.2	17.5	20.6	21.8	27.2	29.0	31.4	30.7	28.2
29	23.8	19.8	12.0	13.3	---	20.3	22.0	27.3	28.5	31.1	30.6	28.2
30	24.0	---	12.6	13.8	---	20.6	23.2	27.7	28.4	30.6	30.5	28.4
31	24.1	---	13.0	13.7	---	21.6	---	27.6	---	30.7	30.0	---
MEAN	---	---	15.6	15.2	15.7	17.8	21.7	25.3	28.4	30.2	30.7	28.0
MAX	---	---	19.8	19.4	19.1	21.6	23.2	27.7	29.4	31.4	31.9	30.4
MIN	---	---	11.7	12.5	12.8	15.5	20.1	21.9	26.9	28.7	29.7	26.6

294213081345300 ST. JOHNS RIVER AT DANCY POINT NEAR SPUDS, FL—Continued

 DISSOLVED OXYGEN, TOP, WATER, UNFILTERED, MILLIGRAMS PER LITER
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	4.8	6.7	8.6	10.8	9.4	9.6	8.7	6.7	5.3	2.9	5.0
2	1.1	5.1	6.7	8.5	11.0	9.6	9.9	8.7	7.0	3.6	3.1	5.2
3	1.2	5.2	6.8	8.4	10.9	9.3	10.1	8.6	7.2	---	3.2	5.7
4	1.4	5.3	6.8	8.3	11.1	9.1	9.9	8.1	7.2	---	3.0	6.3
5	4.6	6.1	6.7	8.2	11.1	9.2	9.5	7.7	7.3	---	2.9	7.0
6	4.9	6.3	6.6	8.0	11.2	9.6	9.2	7.7	7.7	---	2.8	7.5
7	0.8	6.1	6.7	7.8	11.1	9.6	9.2	7.6	7.5	6.9	2.9	7.7
8	0.7	5.7	6.8	7.5	11.0	9.9	9.0	7.9	7.6	6.0	2.7	7.5
9	0.7	6.6	6.8	7.2	10.6	9.7	9.0	8.3	7.8	5.8	2.5	7.4
10	0.6	7.4	7.2	7.0	10.1	9.6	8.9	8.1	8.1	5.9	2.6	7.3
11	0.7	7.5	7.7	6.8	10.2	9.8	9.0	7.8	8.5	5.7	2.7	6.4
12	0.7	6.8	7.9	6.6	10.2	10	9.1	7.6	8.8	5.2	2.9	6.1
13	1.7	6.3	8.0	6.6	10.2	10.2	8.8	7.9	9.9	5.2	3.4	5.6
14	3.7	7.7	8.2	6.6	9.9	10.0	8.8	8.2	11.0	5.3	3.8	5.5
15	---	8.4	9.1	6.9	9.5	10.0	9.1	8.2	11.4	5.6	3.7	5.3
16	---	8.4	9.6	7.2	9.5	9.9	9.3	7.9	10.9	5.9	3.8	5.0
17	---	7.6	9.8	7.3	9.6	10.0	9.5	7.5	10.9	6.1	3.9	5.0
18	---	6.6	9.6	---	9.7	10.0	9.5	7.3	9.3	5.7	3.8	5.1
19	---	6.2	9.6	---	9.6	10.4	9.4	7.0	8.1	4.7	3.7	4.5
20	---	6.3	9.8	---	9.7	10.8	8.6	7.1	6.8	---	3.3	---
21	---	6.2	9.4	---	9.4	11.6	8.2	6.8	6.8	---	3.0	---
22	---	6.2	9.1	---	9.1	11.7	8.2	6.9	7.5	---	3.5	---
23	---	6.2	8.9	---	8.8	11.6	8.5	7.0	7.8	---	3.2	---
24	---	6.3	9.0	---	8.5	11.3	8.6	7.1	8.1	---	3.1	---
25	---	7.1	9.3	---	8.5	10.9	8.6	7.0	8.3	---	3.6	---
26	5.6	7.2	9.8	10.1	8.9	10.3	8.5	7.0	8.0	---	4.4	---
27	5.5	7.1	10.0	10.3	9.1	10.0	8.4	6.9	7.7	---	4.6	---
28	5.1	7.2	10.0	10.8	9.3	10.0	8.8	6.9	7.0	3.1	5.0	---
29	4.7	6.9	9.8	10.9	---	10.0	9.1	6.9	6.4	3.2	4.6	5.6
30	4.5	---	9.4	10.8	---	9.4	9.3	6.9	5.8	3.5	4.8	5.7
31	4.6	---	8.9	10.8	---	9.4	---	6.6	---	3.2	5.0	---
MEAN	---	---	8.4	---	9.9	10.1	9.1	7.5	8.1	---	3.5	---
MAX	---	---	10.0	---	11.2	11.7	10.1	8.7	11.4	---	5.0	---
MIN	---	---	6.6	---	8.5	9.1	8.2	6.6	5.8	---	2.5	---

ST. JOHNS RIVER BASIN BELOW OCKLAWAHA RIVER

294213081345300 ST. JOHNS RIVER AT DANCY POINT NEAR SPUDS, FL—Continued

DISSOLVED OXYGEN, BOTTOM, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.4	6.8	9.2	9.6	10.2	---	8.8	---	5.7	3.0	---
2	---	4.7	6.8	9.3	9.7	10.3	---	8.6	---	6.1	3.1	---
3	---	4.8	7.0	9.4	9.6	10.0	---	8.4	---	---	3.2	---
4	---	5.0	6.9	9.4	9.7	9.9	---	8.2	---	---	2.9	---
5	---	5.9	6.8	9.4	9.6	10.2	7.9	7.9	---	---	2.6	---
6	---	6.2	6.7	9.3	9.5	10.7	7.9	7.8	---	---	2.5	---
7	---	6.0	6.7	9.2	9.3	---	8.0	7.7	---	8.1	2.5	---
8	---	5.5	7.0	9.0	9.1	---	7.9	8.0	---	7.6	2.3	6.8
9	---	6.5	7.0	8.8	9.2	---	8.0	8.4	7.5	7.3	2.1	6.9
10	---	7.3	7.4	8.6	9.3	---	7.9	8.3	7.8	7.2	2.1	6.8
11	---	7.4	8.0	8.6	9.5	---	7.9	8.0	8.0	6.7	2.1	6.0
12	---	6.7	8.2	8.4	9.7	---	8.0	8.0	8.2	5.8	2.3	5.6
13	---	6.1	8.2	8.5	9.6	---	8.1	8.3	8.9	5.6	2.7	5.3
14	---	7.6	8.5	8.7	9.6	---	8.2	8.5	---	5.6	3.2	5.3
15	---	8.3	9.4	9.2	9.3	---	8.5	8.4	---	5.8	3.3	5.1
16	---	8.3	10.0	9.8	9.4	---	8.8	7.9	---	5.6	3.0	4.8
17	---	7.3	10.1	9.8	9.6	---	9.0	7.2	---	5.5	3.3	4.9
18	---	6.4	9.8	10.0	9.8	---	9.0	7.3	---	5.1	2.9	5.2
19	---	5.9	9.7	10.0	9.8	---	9.0	7.6	---	4.1	2.7	5.5
20	---	6.0	9.9	9.9	9.9	---	8.0	7.9	---	3.3	2.4	5.9
21	---	6.1	9.5	9.5	9.8	---	7.5	8.0	---	2.8	1.9	6.1
22	---	6.2	9.2	9.1	9.7	---	7.8	8.4	6.5	2.4	1.9	6.2
23	---	6.1	9.0	9.5	9.5	---	8.4	8.7	6.8	2.7	1.7	5.8
24	---	6.3	9.1	9.5	9.2	---	8.9	8.6	7.2	2.9	1.7	5.4
25	5.5	7.2	9.6	9.4	9.0	---	9.0	8.1	7.0	3.6	2.0	5.3
26	5.1	7.4	10.2	9.4	9.5	---	9.0	---	6.5	3.0	---	5.2
27	5.0	7.2	10.4	9.4	9.8	---	8.6	---	6.4	2.2	---	5.1
28	4.5	7.3	10.5	9.7	10.0	---	8.6	---	6.1	2.9	---	5.8
29	4.2	6.9	10.3	9.8	---	---	8.7	---	5.7	3.6	---	5.6
30	4.0	---	10.0	9.6	---	---	9.1	---	5.5	3.8	---	5.5
31	4.1	---	9.4	9.6	---	---	---	---	---	3.4	---	---
MEAN	---	---	8.6	9.3	9.5	---	---	---	---	---	---	---
MAX	---	---	10.5	10.0	10.0	---	---	---	---	---	---	---
MIN	---	---	6.7	8.4	9.0	---	---	---	---	---	---	---

294213081345300 ST. JOHNS RIVER AT DANCY POINT NEAR SPUDS, FL—Continued

TURBIDITY, WATER, UNFILTERED, NEPHELOMETRIC TURBIDITY UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.1	4.3	4.0	4.5	4.6	12	8.6	2.4	4.0	8.3	1.3	2.5
2	8.0	4.5	4.2	3.8	4.5	7.1	12	1.6	3.6	9.3	1.2	2.4
3	6.9	3.9	3.6	3.5	4.5	7.7	10	1.1	4.3	8.8	1.2	3.0
4	6.9	4.3	3.8	3.4	6.2	5.4	10	2.2	4.2	8.9	1.1	3.0
5	6.2	3.2	3.9	3.3	5.0	6.4	8.6	1.9	3.5	8.2	1.3	3.0
6	6.1	2.8	3.9	3.7	5.2	5.2	8.4	2.5	3.5	7.7	1.2	5.0
7	5.9	3.8	4.1	4.1	4.9	5.7	8.7	1.9	4.7	7.4	1.3	5.0
8	4.5	4.6	3.7	4.0	5.6	13	8.3	2.2	4.4	7.4	1.2	6.8
9	4.4	7.0	3.9	4.2	5.2	8.3	8.2	1.4	4.0	7.1	1.2	7.1
10	3.9	5.3	5.9	4.2	6.9	8.2	6.4	1.1	4.7	8.1	1.1	4.4
11	4.8	4.9	6.6	4.6	5.8	11	5.1	1.2	4.9	7.3	1.2	4.2
12	5.0	5.5	5.3	4.4	5.7	11	4.7	0.8	5.0	6.8	1.4	3.7
13	6.1	4.2	6.5	5.1	4.8	9.9	4.8	0.9	6.7	6.3	1.7	4.5
14	7.4	7.5	5.2	5.0	4.3	8.6	2.9	0.5	14	6.1	2.5	3.8
15	6.6	7.7	5.4	16	4.2	8.6	3.9	0.1	15	6.5	2.9	2.9
16	5.4	5.8	5.1	17	4.3	8.2	5.0	0.1	9.6	6.5	2.7	3.5
17	4.7	5.7	4.0	11	5.1	8.7	3.3	0.5	9.1	5.6	3.0	2.6
18	4.4	4.9	3.7	8.2	5.3	7.3	2.4	1.3	9.9	4.6	2.8	2.9
19	5.8	4.8	6.2	7.4	4.5	5.3	2.4	2.1	10	3.5	2.7	3.0
20	---	4.6	4.5	10	4.9	5.0	2.3	1.9	---	2.3	3.4	3.6
21	---	4.8	5.1	7.7	5.9	5.3	1.8	3.2	---	1.6	4.6	9.2
22	---	4.3	4.4	6.7	5.3	6.5	2.5	3.3	6.6	1.4	3.0	8.9
23	---	3.9	4.4	7.2	5.1	14	4.5	3.3	6.5	1.5	2.8	19
24	---	4.3	4.1	8.5	5.3	9.8	4.3	4.1	6.2	1.3	2.7	14
25	5.1	6.6	6.0	7.1	7.1	10	2.6	3.5	---	1.4	2.5	2.5
26	4.5	3.9	12	6.1	11	7.9	3.3	3.2	---	1.5	2.9	3.4
27	4.2	4.1	6.5	4.8	9.2	7.8	4.3	3.0	---	1.6	3.0	2.6
28	4.1	4.2	6.2	11	13	21	3.2	2.6	6.2	1.3	3.1	3.0
29	4.0	4.5	5.9	5.8	---	12	2.0	2.3	7.0	1.3	3.5	2.8
30	3.7	---	5.6	5.9	---	8.5	2.0	2.6	7.7	1.3	2.8	2.4
31	4.3	---	4.9	5.5	---	6.6	---	2.3	---	1.3	2.7	---
MEAN	---	---	5.1	6.6	5.8	8.8	5.2	2.0	---	4.9	2.3	4.8
MAX	---	---	12	17	13	21	12	4.1	---	9.3	4.6	19
MIN	---	---	3.6	3.3	4.2	5.0	1.8	0.1	---	1.3	1.1	2.4

02245255 DEEP CREEK NEAR HASTINGS, FL

LOCATION.--Lat 29° 40'52", long 81° 26'56", in NW 1/4 sec.35, T.9 S., R.28 E., St. Johns County, Hydrologic Unit 03080103, near right bank at downstream side of bridge on Cowpen Branch Road, 1.3 mi upstream from Sixteenmile Creek, and 4.2 mi southeast of Hastings.

DRAINAGE AREA.--22.0 mi².

PERIOD OF RECORD.--June 1975 to current year.

GAGE.--Water-stage recorder. Datum of gage is 6.99 ft above NGVD of 1929.

REMARKS.-- Records fair. A maximum discharge, 173 ft³/s, and stage, 7.17 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 26, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	163	18	2.2	1.8	2.1	8.5	11	11	22	7.9	3.8	2.8
2	147	15	2.0	1.8	2.2	6.3	21	5.6	18	7.0	5.0	2.4
3	133	13	1.8	1.7	2.4	5.2	20	4.2	14	6.0	8.5	2.2
4	118	12	1.7	2.0	2.5	4.8	16	9.1	13	5.1	8.6	2.2
5	105	9.8	1.7	3.1	2.4	4.4	12	23	11	4.4	11	2.4
6	95	8.1	1.6	3.6	2.3	3.9	9.4	27	9.8	3.7	10	e3.0
7	85	6.9	2.3	3.8	2.2	3.6	10	21	8.8	3.1	17	e8.0
8	74	5.9	2.6	3.6	2.1	5.7	22	17	7.3	2.7	27	e12
9	60	5.0	2.4	3.0	2.1	6.0	19	13	6.0	2.5	24	e40
10	51	4.2	2.9	3.0	2.1	5.1	15	9.9	4.7	3.9	23	e60
11	46	4.4	2.3	3.2	2.0	4.5	12	8.0	4.6	4.3	23	e55
12	43	2.8	1.9	3.2	2.0	4.0	8.9	6.2	9.0	6.0	19	e50
13	39	2.0	1.7	2.9	2.0	3.8	8.2	5.1	9.9	8.2	16	e40
14	35	3.8	1.7	3.5	2.0	4.0	8.2	5.2	8.4	11	15	e30
15	33	5.0	e2.5	3.5	2.3	4.1	7.8	4.9	7.1	9.7	19	e25
16	29	4.1	3.0	4.1	2.6	3.6	6.9	4.6	6.3	6.1	15	e15
17	27	3.3	3.5	3.5	2.8	3.8	6.4	4.4	5.8	4.9	12	e10
18	27	2.8	2.5	2.8	2.9	4.0	6.0	4.1	5.9	3.8	9.7	e5.0
19	27	2.5	2.4	2.6	2.9	3.6	5.6	3.9	5.1	3.1	9.2	e2.1
20	25	2.3	2.9	2.5	3.0	3.3	5.3	3.9	4.1	2.6	8.0	2.4
21	21	2.1	3.0	2.3	3.1	3.2	5.1	3.9	3.4	2.2	6.4	4.5
22	18	2.1	2.8	2.3	3.3	3.9	5.0	3.7	3.0	2.0	5.1	16
23	16	2.2	2.7	2.3	3.7	10	5.2	3.6	2.8	1.8	3.9	20
24	14	2.9	1.7	2.1	4.4	9.5	4.6	3.5	2.5	1.7	3.1	20
25	12	3.6	1.8	2.0	3.6	19	4.3	3.4	2.7	1.5	2.7	16
26	11	2.6	3.2	2.0	3.9	28	4.9	3.3	3.0	1.4	2.5	14
27	9.3	2.5	2.5	2.1	13	25	3.7	3.2	3.3	1.3	2.4	11
28	11	3.3	2.1	2.0	13	26	2.9	3.2	4.1	1.3	2.5	9.6
29	11	2.7	2.0	2.1	---	22	2.9	3.0	5.4	1.3	2.8	8.5
30	11	2.4	1.9	2.3	---	17	5.9	5.8	6.7	2.6	2.6	7.8
31	10	---	1.9	2.2	---	14	---	14	---	5.1	2.6	---
TOTAL	1,506.3	157.3	71.2	82.9	94.9	269.8	275.2	241.7	217.7	128.2	320.4	496.9
MEAN	48.6	5.24	2.30	2.67	3.39	8.70	9.17	7.80	7.26	4.14	10.3	16.6
MAX	163	18	3.5	4.1	13	28	22	27	22	11	27	60
MIN	9.3	2.0	1.6	1.7	2.0	3.2	2.9	3.0	2.5	1.3	2.4	2.1
CFSM	2.35	0.25	0.11	0.13	0.16	0.42	0.44	0.38	0.35	0.20	0.50	0.80
IN.	2.71	0.28	0.13	0.15	0.17	0.48	0.49	0.43	0.39	0.23	0.58	0.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2005, BY WATER YEAR (WY)

MEAN	15.2	6.66	10.0	9.03	11.2	14.0	7.04	3.11	6.91	5.79	11.9	28.8
MAX	61.3	43.2	80.2	33.3	78.4	65.4	25.7	8.42	53.7	23.6	70.1	240
(WY)	(1996)	(1995)	(1998)	(2003)	(1998)	(2003)	(1997)	(1995)	(1982)	(1982)	(2003)	(2004)
MIN	0.08	0.09	0.42	0.34	0.61	0.70	1.79	0.49	0.06	0.13	0.09	0.09
(WY)	(1991)	(1991)	(1981)	(1981)	(1985)	(1985)	(1985)	(1990)	(1981)	(1990)	(1993)	(1990)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1975 - 2005

ANNUAL TOTAL	11,806.92	3,862.5	
ANNUAL MEAN	32.3	10.6	10.8
HIGHEST ANNUAL MEAN			32.0
LOWEST ANNUAL MEAN			1.22
HIGHEST DAILY MEAN	e670	Sep 6	163
LOWEST DAILY MEAN	0.01	Jun 18,19	1.3
ANNUAL SEVEN-DAY MINIMUM	0.04	Jun 27	1.5
MAXIMUM PEAK FLOW			1,290
MAXIMUM PEAK STAGE			9.52
ANNUAL RUNOFF (CFSM)	1.56	0.511	0.521
ANNUAL RUNOFF (INCHES)	21.22	6.94	7.07
10 PERCENT EXCEEDS	98	22	24
50 PERCENT EXCEEDS	4.0	4.4	2.6
90 PERCENT EXCEEDS	0.14	2.1	0.30

e Estimated

02245260 DEEP CREEK AT SPUDS, FL

LOCATION.--Lat 29° 43'46", long 81° 29'13", in SW¹/₄ sec.9, T.9 S, R.28 E., St. Johns County, Hydrologic Unit 03080103, on right bank at abandoned Florida East Coast Railway crossing, 0.5 mi east of Spuds, and 3.9 mi upstream from mouth.

DRAINAGE AREA.--60.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1992 to current year.

REVISED RECORDS.--WDR FL-96-1A: Discharge, 1995. WDR FL-04-1A: Discharge, 2003.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929.

REMARKS.--Records poor. Discharge represents net of much larger upstream and downstream discharges. Flow affected by tides in the St. Johns River.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	54	13	4.9	4.1	197	99	79	343	76	97	30
2	150	45	8.2	-0.94	-0.21	100	231	81	258	64	91	29
3	105	38	24	1.00	24	49	421	49	154	49	114	30
4	57	36	31	10	25	21	282	74	94	100	93	26
5	53	-2.1	2.3	2.1	25	32	155	298	71	73	87	14
6	51	31	-4.2	11	27	2.3	99	778	26	12	108	-19
7	42	57	9.8	18	41	3.1	112	616	40	26	248	47
8	51	46	23	30	41	34	215	359	35	18	512	250
9	76	14	20	29	42	52	282	187	29	8.0	998	230
10	91	44	33	34	33	41	183	129	1.3	80	770	184
11	96	70	41	29	39	26	126	114	3.8	81	498	127
12	78	81	29	33	30	29	98	114	24	124	302	77
13	82	52	13	29	25	21	89	79	35	316	189	65
14	79	2.0	7.7	15	20	28	29	34	32	583	164	70
15	66	40	12	-17	22	13	48	31	32	470	176	80
16	89	87	12	29	19	24	20	22	36	318	151	79
17	61	61	18	66	17	20	29	25	35	164	118	55
18	49	68	25	41	9.2	20	71	25	25	82	71	44
19	45	52	17	51	21	-4.2	55	32	26	56	67	41
20	22	50	-1.5	34	31	23	44	40	29	39	55	9.3
21	18	51	13	23	34	17	31	16	27	38	52	14
22	-1.6	47	28	20	20	-0.59	30	27	32	23	42	147
23	3.4	53	25	6.3	22	82	39	34	26	30	31	268
24	42	34	19	20	37	121	32	19	8.4	21	26	210
25	43	37	9.9	27	37	250	21	21	6.3	22	-4.6	163
26	31	35	-9.7	19	18	681	40	37	15	28	0.18	107
27	45	29	76	14	70	529	33	23	32	10	46	96
28	72	31	41	-24	194	387	19	18	25	-3.6	44	68
29	46	40	27	43	---	378	16	6.0	26	-0.20	36	44
30	46	32	20	42	---	253	24	25	43	17	32	42
31	44	---	8.2	20	---	145	---	174	---	103	41	---
TOTAL	1,987.8	1,314.9	590.7	659.36	927.09	3,573.61	2,973	3,566.0	1,569.8	3,027.20	5,254.58	2,627.3
MEAN	64.1	43.8	19.1	21.3	33.1	115	99.1	115	52.3	97.7	170	87.6
MAX	256	87	76	66	194	681	421	778	343	583	998	268
MIN	-1.6	-2.1	-9.7	-24	-0.21	-4.2	16	6.0	1.3	-3.6	-4.6	-19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	83.1	50.7	67.0	47.9	49.8	65.0	40.7	23.6	38.9	47.3	83.4	159
MAX	217	139	236	158	203	197	99.1	115	80.3	134	343	654
(WY)	(1996)	(1995)	(2003)	(2003)	(1998)	(2004)	(2005)	(2005)	(1997)	(2004)	(2003)	(2004)
MIN	12.8	10.7	5.02	11.1	12.2	18.1	6.20	-11.2	4.12	2.78	1.47	21.3
(WY)	(1998)	(2001)	(1999)	(2000)	(1997)	(2002)	(1994)	(1994)	(1998)	(1999)	(1999)	(1997)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1992 - 2005

ANNUAL TOTAL	43,469.41		28,071.34		65.6	
ANNUAL MEAN	119		76.9		121	
HIGHEST ANNUAL MEAN					2004	
LOWEST ANNUAL MEAN					28.8	
HIGHEST DAILY MEAN	2,480	Sep 6	998	Aug 9	2,480	Sep 6, 2004
LOWEST DAILY MEAN	-9.7	Dec 26	-24	Jan 28	-78	Jan 26, 1993
ANNUAL SEVEN-DAY MINIMUM	1.3	Jun 6	5.2	Dec 31	-22	May 19, 1994
MAXIMUM PEAK STAGE			4.83	Sep 8	7.58	Sep 15, 2001
10 PERCENT EXCEEDS	261		185		143	
50 PERCENT EXCEEDS	29		37		29	
90 PERCENT EXCEEDS	6.9		9.3		4.1	

Note.--Negative figures indicate reverse flow

ST. JOHNS RIVER BASIN BELOW OCKLAWAHA RIVER

02245260 DEEP CREEK AT SPUDS, FL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.3	2.6	6.4	6.2	4.0	2.2	3.6	3.1	---	2.8	0.8
2	---	0.3	2.6	6.0	6.2	4.5	3.2	3.4	3.2	---	2.6	0.9
3	---	0.3	2.4	5.6	6.3	5.4	3.2	3.3	3.4	---	2.5	1.0
4	---	0.4	2.3	5.4	6.3	5.9	3.3	3.5	3.4	---	2.4	1.5
5	---	0.3	2.5	5.5	6.7	6.3	3.1	3.7	3.5	---	2.3	2.1
6	---	0.7	2.8	5.8	7.0	6.2	2.9	3.6	3.4	1.8	2.3	2.4
7	---	1.2	3.1	5.9	6.7	5.8	2.8	3.5	2.8	1.2	3.0	2.8
8	---	1.6	3.7	5.9	6.2	5.5	2.8	3.3	1.7	1.0	3.4	2.8
9	---	1.6	3.4	5.8	5.8	5.0	3.1	3.0	1.2	0.8	3.8	3.2
10	---	1.6	2.9	5.5	5.3	5.9	2.8	2.6	0.9	2.0	3.3	3.2
11	---	1.6	2.7	5.1	5.2	6.8	2.6	2.5	1.1	2.6	2.9	2.7
12	---	1.6	2.7	4.9	5.5	6.7	2.5	2.8	1.2	3.1	2.5	2.4
13	0.1	1.5	2.7	4.8	6.1	6.2	2.4	2.7	1.6	3.4	1.8	---
14	0.1	1.6	2.6	4.9	6.9	5.6	2.1	2.8	2.4	3.8	1.6	---
15	0.1	1.9	3.0	4.3	7.6	4.6	2.1	2.6	2.3	3.4	1.8	---
16	0.0	2.2	3.7	4.0	7.2	3.9	2.6	2.4	1.9	3.0	1.7	---
17	0.2	2.8	4.6	5.1	6.2	3.5	2.9	2.3	1.7	2.3	1.3	---
18	0.4	3.0	5.9	6.6	5.8	3.7	2.9	2.0	1.9	1.6	1.0	---
19	0.5	2.8	6.4	7.5	6.2	---	3.0	1.9	1.9	1.3	1.0	---
20	0.5	2.8	6.6	8.3	7.5	---	3.2	2.0	1.9	1.0	0.9	---
21	0.5	2.7	7.0	8.3	8.1	---	3.0	2.0	2.2	0.8	0.9	---
22	---	2.4	7.6	7.8	7.2	---	2.8	2.2	2.4	0.8	0.9	---
23	1.0	2.3	8.5	7.4	6.2	---	2.8	2.6	2.4	0.8	0.8	---
24	1.0	2.0	7.8	7.4	5.4	3.3	2.9	2.7	2.4	1.0	0.8	---
25	0.8	2.1	6.8	7.5	4.1	3.9	3.2	2.6	2.9	1.4	0.9	---
26	0.9	2.0	6.2	7.6	3.3	3.9	3.7	2.8	2.9	1.5	1.2	---
27	0.8	1.9	5.8	7.6	4.0	3.5	4.1	3.1	2.6	1.4	1.1	---
28	0.7	2.2	6.4	6.6	4.1	2.9	3.6	3.1	2.8	0.9	1.0	0.7
29	0.6	2.5	7.3	5.9	---	2.9	3.1	3.1	2.6	0.6	0.9	0.6
30	0.5	2.5	7.3	5.8	---	2.9	2.9	3.3	---	0.7	0.9	0.6
31	0.4	---	6.9	5.7	---	2.6	---	3.9	---	2.8	0.9	---
MEAN	---	1.8	4.7	6.2	6.0	---	2.9	2.9	---	---	1.8	---
MAX	---	3.0	8.5	8.3	8.1	---	4.1	3.9	---	---	3.8	---
MIN	---	0.3	2.3	4.0	3.3	---	2.1	1.9	---	---	0.8	---

02245260 DEEP CREEK AT SPUDS, FL—Continued

TURBIDITY, WATER, UNFILTERED, NEPHELOMETRIC TURBIDITY UNITS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.9	6.9	0.6	0.4	---	5.3	4.1	7.6	6.9	3.8	3.2	0.8
2	9.3	5.7	0.5	0.4	---	3.2	12	8.1	3.2	3.8	2.6	0.7
3	11	4.0	0.5	0.5	---	2.5	11	3.1	3.0	2.8	2.4	0.5
4	16	3.5	0.4	0.6	---	2.0	6.1	3.9	3.4	8.1	2.0	0.6
5	16	3.3	0.3	0.7	---	1.7	4.6	9.6	3.7	12	2.4	0.4
6	15	2.5	0.3	0.9	---	1.5	4.1	10	3.9	3.4	3.1	0.4
7	14	2.5	0.3	0.5	---	1.2	5.0	6.9	3.5	1.7	3.8	0.4
8	12	3.0	0.8	0.2	---	1.3	12	5.5	2.3	1.3	4.7	3.4
9	12	2.9	0.5	0.1	---	3.1	9.1	5.1	1.7	1.2	6.2	3.3
10	14	2.4	0.4	0.0	0.1	3.0	4.8	4.3	1.3	6.6	5.5	1.9
11	18	2.5	0.4	---	0.1	2.8	3.9	7.1	1.3	6.3	4.4	1.4
12	20	2.4	0.3	---	0.1	2.5	3.6	23	1.4	5.5	4.2	1.3
13	20	2.2	0.2	---	0.2	1.8	3.7	5.9	1.8	6.4	4.3	0.9
14	20	1.7	0.1	---	0.5	1.4	3.4	3.9	2.4	7.3	4.6	0.9
15	18	1.3	---	---	0.6	1.0	2.3	3.2	2.4	3.9	4.0	1.1
16	15	1.8	---	---	0.8	0.8	1.7	2.6	2.2	3.8	4.0	1.3
17	10	1.9	---	---	0.9	1.1	1.5	2.2	2.1	3.5	3.9	1.2
18	7.8	1.4	---	---	0.8	2.0	1.8	2.0	2.0	3.0	3.8	0.9
19	6.0	0.9	---	---	1.5	1.1	2.2	1.9	1.6	2.6	3.5	0.7
20	5.5	0.8	---	---	1.3	0.9	2.0	1.9	1.2	2.3	3.0	0.6
21	4.9	0.7	---	---	1.0	0.9	2.0	2.1	1.1	1.8	2.6	0.6
22	4.0	0.7	---	---	1.4	0.9	2.1	1.8	1.2	1.4	2.3	2.1
23	2.9	0.5	0.2	---	1.0	3.8	2.2	1.7	1.2	1.0	1.9	3.4
24	3.1	0.5	0.3	---	1.2	11	2.2	1.8	1.2	0.8	1.5	1.9
25	4.6	1.0	---	---	1.1	25	2.1	1.7	1.0	0.6	1.1	1.6
26	5.2	1.3	---	---	0.5	46	2.0	1.5	1.0	0.5	1.0	1.5
27	4.9	0.8	---	---	1.9	16	2.0	1.5	1.1	0.5	0.7	1.4
28	4.9	0.6	---	---	12	6.9	1.8	1.5	1.3	0.7	0.8	1.2
29	5.3	0.5	---	---	---	6.8	1.7	1.5	1.3	0.7	0.8	0.8
30	5.5	0.5	---	---	---	5.8	1.7	1.9	1.9	0.8	0.8	0.8
31	6.2	---	---	---	---	4.6	---	14	---	7.3	0.8	---
MEAN	10	2.0	---	---	---	5.4	4.0	4.8	2.1	3.4	2.9	1.3
MAX	20	6.9	---	---	---	46	12	23	6.9	12	6.2	3.4
MIN	2.9	0.5	---	---	---	0.8	1.5	1.5	1.0	0.5	0.7	0.4

02245280 MOCCASIN BRANCH AT ARMSTRONG, FL

LOCATION.--Lat 29° 46'30", long 81° 27'10", in SW¹/₄ sec.26, T.8 S, R.28 E., St. Johns County, Hydrologic Unit 03080103, on right bank 100 ft downstream from culvert on State Highway 207, and 1.0 mi north of Armstrong.

DRAINAGE AREA.--14.4 mi².

PERIOD OF RECORD.--April 1958 to November 1987 (discharge measurements only), October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Prior to July 10, 2003, at site 130 ft upstream at same datum.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	101	5.3	1.6	1.3	1.0	21	13	8.9	59	47	185	3.6
2	81	6.7	2.2	1.3	1.2	13	158	6.8	35	114	93	6.6
3	68	6.3	2.8	1.3	1.7	9.7	82	4.6	22	53	71	8.7
4	58	5.9	2.3	2.4	1.5	9.2	46	56	17	124	56	14
5	48	6.3	1.2	3.3	1.9	7.9	27	184	13	187	55	47
6	38	6.0	1.4	3.4	1.3	6.9	18	175	12	71	55	86
7	29	5.2	2.1	4.1	1.5	6.4	49	101	9.0	33	107	287
8	22	5.1	1.8	4.5	1.3	10	95	60	6.3	19	190	195
9	19	5.0	3.8	4.6	1.2	9.5	60	41	4.5	14	232	155
10	17	5.7	4.8	4.5	1.4	8.0	37	28	3.6	17	216	97
11	20	7.9	1.3	3.8	1.7	5.7	22	18	27	47	140	60
12	18	6.5	1.5	3.1	2.5	5.5	16	12	36	75	92	40
13	16	6.0	2.8	2.6	2.9	4.5	24	7.8	27	39	60	27
14	14	7.0	4.0	3.7	2.7	2.3	19	5.5	18	38	44	17
15	15	4.0	4.3	2.7	3.2	5.0	13	4.2	12	26	37	12
16	14	3.5	6.3	6.1	3.6	6.9	10	4.0	55	19	28	10
17	12	4.7	6.9	3.1	3.1	12	7.8	6.6	82	13	20	7.7
18	10	5.9	6.3	2.0	2.8	10	6.1	5.3	33	8.7	14	6.5
19	9.5	6.7	4.9	1.3	3.2	7.3	5.2	4.3	19	6.0	10	5.8
20	8.1	6.9	3.5	1.3	3.2	6.0	5.6	3.9	12	4.3	7.6	6.1
21	9.7	6.9	5.1	2.4	3.3	5.1	5.6	2.8	7.9	3.2	5.7	9.3
22	11	7.0	5.9	2.0	2.9	4.9	4.9	2.4	6.0	2.6	4.5	115
23	10	6.3	5.9	1.9	2.7	12	4.5	2.3	5.2	2.2	3.7	123
24	8.6	4.7	4.4	2.2	2.9	11	3.3	2.5	3.9	1.9	3.1	65
25	6.5	6.5	4.3	2.7	3.9	117	3.7	2.0	8.1	1.7	2.8	38
26	6.1	2.5	5.7	2.6	3.2	104	4.2	2.0	9.8	1.4	2.7	25
27	7.6	1.9	2.2	1.9	67	79	3.0	1.8	9.0	1.3	2.4	16
28	8.0	3.6	1.5	2.7	41	69	1.9	1.8	22	1.4	2.7	12
29	7.9	2.3	1.3	1.0	---	44	1.8	1.7	23	3.4	2.5	14
30	7.4	2.3	1.3	1.2	---	28	2.6	7.1	24	21	3.1	12
31	6.1	---	1.2	1.3	---	17	---	40	---	146	3.0	---
TOTAL	706.5	160.6	104.6	82.3	169.8	657.8	749.2	803.3	621.3	1,141.1	1,748.8	1,521.3
MEAN	22.8	5.35	3.37	2.65	6.06	21.2	25.0	25.9	20.7	36.8	56.4	50.7
MAX	101	7.9	6.9	6.1	67	117	158	184	82	187	232	287
MIN	6.1	1.9	1.2	1.0	1.0	2.3	1.8	1.7	3.6	1.3	2.4	3.6
CFSM	1.58	0.37	0.23	0.18	0.42	1.47	1.73	1.80	1.44	2.56	3.92	3.52
IN.	1.83	0.41	0.27	0.21	0.44	1.70	1.94	2.08	1.61	2.95	4.52	3.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	29.2	11.0	16.4	12.1	13.7	37.1	11.0	10.7	7.99	25.2	66.4	89.6
MAX	48.4	22.4	42.6	30.3	21.5	63.0	25.0	25.9	20.7	36.8	72.8	210
(WY)	(2004)	(2004)	(2003)	(2003)	(2004)	(2003)	(2005)	(2005)	(2005)	(2005)	(2003)	(2004)
MIN	16.5	5.12	3.29	2.65	6.06	21.2	3.19	2.71	0.68	12.8	56.4	7.74
(WY)	(2003)	(2003)	(2004)	(2005)	(2005)	(2005)	(2004)	(2003)	(2004)	(2004)	(2005)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	11,643.18	8,466.6	
ANNUAL MEAN	31.8	23.2	27.6
HIGHEST ANNUAL MEAN			35.4
LOWEST ANNUAL MEAN			23.2
HIGHEST DAILY MEAN	701	Sep 6	701
LOWEST DAILY MEAN	0.23	Jul 2	0.23
ANNUAL SEVEN-DAY MINIMUM	0.35	Jun 30	0.35
MAXIMUM PEAK FLOW			792
MAXIMUM PEAK STAGE			28.28
INSTANTANEOUS LOW FLOW			0.23
ANNUAL RUNOFF (CFSM)	2.21		1.92
ANNUAL RUNOFF (INCHES)	30.08		26.06
10 PERCENT EXCEEDS	96		81
50 PERCENT EXCEEDS	4.9		6.3
90 PERCENT EXCEEDS	0.96		1.3

02245315 SIXMILE CREEK AT BAKERSVILLE, FL

LOCATION.--Lat 29° 54'34", long 81° 29'33", in NW¹/₄ sec.9, T.7 S, R.28 E., St. Johns County, Hydrologic Unit 03080103, near left bank at downstream side of bridge on State Highway 13A, and 0.25 mi north of Bakersville and 6.7 mi upstream from mouth.

DRAINAGE AREA.--47.5 mi².

PERIOD OF RECORD.--May 1956 to April 1967 (discharge measurements only), October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	221	5.0	6.5	5.9	8.0	106	88	2.1	5.8	81	7.1	5.3
2	183	4.3	5.6	5.4	7.2	91	164	1.9	5.4	205	3.9	4.2
3	154	3.5	4.9	5.3	8.1	75	182	1.1	4.8	181	6.2	2.9
4	132	2.9	4.3	4.8	9.5	62	151	1.3	4.3	161	11	7.1
5	115	2.6	4.2	4.1	8.7	53	120	14	3.1	170	7.0	23
6	102	2.0	3.9	3.7	7.3	45	94	24	2.0	153	10	55
7	89	1.5	3.6	3.4	6.4	37	90	21	0.86	136	39	246
8	79	1.1	3.2	3.1	5.5	36	181	19	0.35	123	105	314
9	70	0.75	2.9	2.8	4.8	33	159	15	0.15	114	110	444
10	64	0.53	4.4	2.5	4.3	29	131	10	0.13	109	110	330
11	67	0.78	5.7	2.4	4.1	26	104	6.9	15	105	81	241
12	67	2.0	4.4	2.3	3.6	22	82	4.6	39	103	66	184
13	64	2.4	3.7	2.1	3.2	18	77	3.2	48	100	54	146
14	58	2.5	3.4	4.8	2.6	15	66	2.0	42	95	51	121
15	52	2.0	3.0	7.4	2.4	12	55	1.2	30	88	64	103
16	47	1.6	2.6	11	2.3	12	47	0.71	26	84	48	89
17	39	1.5	2.5	12	2.1	17	37	0.48	24	78	38	76
18	33	1.2	2.4	11	1.8	19	29	0.30	21	70	37	65
19	28	0.90	2.0	9.6	1.4	20	23	0.11	21	59	23	54
20	25	0.70	1.7	8.1	1.2	20	18	0.00	19	50	18	44
21	22	0.57	1.6	6.7	1.0	18	15	0.00	16	38	16	50
22	19	0.54	1.8	6.5	0.89	16	11	0.00	12	28	13	129
23	16	0.55	2.1	6.5	0.87	28	8.4	0.00	8.4	19	8.8	143
24	13	0.53	2.1	5.6	7.2	33	5.4	0.00	5.4	12	5.9	118
25	11	2.5	3.0	4.6	10	57	3.8	0.00	6.7	7.1	3.9	93
26	9.7	5.3	8.5	4.0	12	162	3.0	0.00	6.8	3.6	4.3	74
27	8.1	6.6	9.7	3.7	47	212	3.9	0.00	6.9	1.9	6.5	59
28	7.6	10	8.9	3.3	105	205	2.9	0.00	11	1.2	6.7	48
29	6.6	9.3	8.0	2.9	---	169	2.2	0.00	25	1.6	5.5	38
30	5.9	7.7	7.4	8.5	---	130	1.7	0.05	51	8.1	4.2	30
31	5.6	---	6.7	8.4	---	101	---	2.2	---	13	5.3	---
TOTAL	1,813.5	83.35	134.7	172.4	278.46	1,879	1,955.3	131.15	461.09	2,398.5	969.3	3,336.5
MEAN	58.5	2.78	4.35	5.56	9.95	60.6	65.2	4.23	15.4	77.4	31.3	111
MAX	221	10	9.7	12	105	212	182	24	51	205	110	444
MIN	5.6	0.53	1.6	2.1	0.87	12	1.7	0.00	0.13	1.2	3.9	2.9
CFSM	1.23	0.06	0.09	0.12	0.21	1.28	1.37	0.09	0.32	1.63	0.66	2.34
IN.	1.42	0.07	0.11	0.14	0.22	1.47	1.53	0.10	0.36	1.88	0.76	2.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	25.8	7.83	17.7	17.5	26.8	68.6	24.7	3.33	7.44	30.1	30.1	111
MAX	58.5	14.5	48.7	46.7	54.1	125	65.2	5.11	15.4	77.4	36.7	221
(WY)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2004)	(2005)	(2005)	(2004)	(2004)
MIN	7.18	2.78	0.20	0.33	9.95	19.8	1.15	0.66	0.52	6.12	22.2	1.99
(WY)	(2004)	(2005)	(2004)	(2004)	(2005)	(2004)	(2004)	(2003)	(2004)	(2004)	(2003)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	11,296.06		13,613.25			
ANNUAL MEAN	30.9		37.3		30.9	
HIGHEST ANNUAL MEAN					37.3	
LOWEST ANNUAL MEAN					26.4	
HIGHEST DAILY MEAN	638	Sep 27	444	Sep 9	638	Sep 27, 2004
LOWEST DAILY MEAN	0.00	Many days	0.00	May 20-29	0.00	Many days
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	May 20	0.00	Many days
MAXIMUM PEAK FLOW			496	Sep 9	734	Sep 27, 2004
MAXIMUM PEAK STAGE			8.14	Sep 9	8.62	Sep 27, 2004
ANNUAL RUNOFF (CFSM)	0.650		0.785		0.650	
ANNUAL RUNOFF (INCHES)	8.85		10.66		8.84	
10 PERCENT EXCEEDS	85		112		94	
50 PERCENT EXCEEDS	4.3		8.8		7.3	
90 PERCENT EXCEEDS	0.00		1.2		0.00	

02245500 SOUTH FORK BLACK CREEK NEAR PENNEY FARMS, FL

LOCATION.--Lat 29° 58' 45", long 81° 51' 08", in NE 1/4 sec. 13, T.6 S., R.24 E., Clay County, Hydrologic Unit 03080103, on right bank at upstream side of bridge on State Highway 16, 0.7 mi downstream from Greens Creek, 2.5 mi west of Penney Farms, 9.5 mi west of Green Cove Springs, and 24 mi upstream from mouth of Black Creek.

DRAINAGE AREA.--134 mi².

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 1234: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 9.82 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to July 18, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	487	84	94	72	72	236	242	69	72	578	87	267
2	1,060	81	89	69	65	148	439	76	62	395	308	144
3	982	77	81	66	72	116	533	66	75	283	856	100
4	1,220	74	76	64	74	107	369	70	81	315	845	139
5	1,150	72	73	63	68	97	258	268	65	656	467	99
6	694	73	70	61	62	86	195	415	57	765	307	146
7	442	71	69	58	59	75	230	310	50	377	275	542
8	336	65	67	58	56	94	623	211	44	230	311	841
9	282	64	66	57	54	104	671	157	41	162	248	677
10	243	63	79	55	52	92	483	122	38	298	202	406
11	220	61	107	55	50	80	326	98	61	463	168	248
12	211	63	85	55	48	72	241	81	128	392	181	162
13	199	63	74	54	47	66	196	70	119	632	248	113
14	177	62	69	74	46	61	166	62	349	835	150	84
15	182	61	65	109	46	60	145	55	252	829	121	66
16	185	59	64	87	46	68	124	114	137	749	120	55
17	156	57	64	75	45	134	106	83	136	479	84	49
18	140	55	64	67	43	162	94	66	102	292	67	44
19	132	55	61	65	41	125	86	55	90	202	56	40
20	125	54	57	63	40	96	79	56	81	154	55	37
21	119	54	55	59	40	82	72	126	66	122	51	77
22	115	52	57	58	40	81	67	92	74	101	45	232
23	110	53	60	63	40	95	62	63	58	91	40	322
24	104	54	63	60	40	105	58	52	48	97	37	363
25	101	162	78	57	46	233	53	47	45	88	35	220
26	97	137	150	55	56	740	52	41	46	71	74	129
27	94	103	146	54	159	1,060	69	37	42	60	140	93
28	90	142	106	51	355	797	61	35	60	54	132	90
29	89	124	88	52	---	484	54	33	87	60	91	112
30	89	103	80	91	---	322	50	32	385	68	90	80
31	87	---	74	89	---	240	---	45	---	81	162	---
TOTAL	9,718	2,298	2,431	2,016	1,862	6,318	6,204	3,107	2,951	9,979	6,053	5,977
MEAN	313	76.6	78.4	65.0	66.5	204	207	100	98.4	322	195	199
MAX	1,220	162	150	109	355	1,060	671	415	385	835	856	841
MIN	87	52	55	51	40	60	50	32	38	54	35	37
CFSM	2.34	0.57	0.59	0.49	0.50	1.52	1.54	0.75	0.73	2.40	1.46	1.49
IN.	2.70	0.64	0.67	0.56	0.52	1.75	1.72	0.86	0.82	2.77	1.68	1.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
MEAN	164	85.7	120	136	170	182	117	79.1	105	156	227	244																																																						
MAX	633	484	859	442	808	666	563	747	334	530	885	1,144																																																						
(WY)	(1948)	(1948)	(1998)	(1970)	(1998)	(1948)	(1997)	(1959)	(1965)	(1960)	(1953)	(2004)																																																						
MIN	21.1	18.1	23.9	30.5	34.0	34.5	21.4	11.4	16.2	21.5	15.9	14.0																																																						
(WY)	(1978)	(1941)	(1991)	(1957)	(1957)	(1956)	(2004)	(2001)	(1955)	(1977)	(1993)	(1990)																																																						

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	67,410.6		58,914			
ANNUAL MEAN	184		161		149	
HIGHEST ANNUAL MEAN					302	
LOWEST ANNUAL MEAN					52.0	
HIGHEST DAILY MEAN	6,800		1,220		10,300	
LOWEST DAILY MEAN	8.0		32		8.0	
ANNUAL SEVEN-DAY MINIMUM	8.7		39		8.7	
MAXIMUM PEAK FLOW			1,420		a13,900	
MAXIMUM PEAK STAGE			13.03		26.33	
INSTANTANEOUS LOW FLOW			31		7.9	
ANNUAL RUNOFF (CFSM)	1.37		1.20		1.11	
ANNUAL RUNOFF (INCHES)	18.71		16.36		15.10	
10 PERCENT EXCEEDS	297		380		312	
50 PERCENT EXCEEDS	58		83		69	
90 PERCENT EXCEEDS	14		50		27	

a From floodmarks and rating curve extended above 11,000 ft³/s

02246000 NORTH FORK BLACK CREEK NEAR MIDDLEBURG, FL

LOCATION.--Lat 30°06'47", long 81°54'24", in NE $\frac{1}{4}$ sec.33, T.4 S., R.24 E., Clay County, Hydrologic Unit 03080103, on left bank 0.3 mi upstream from Big Branch, 4 mi northwest of Middleburg, and 7.5 mi upstream from confluence with South Fork.

DRAINAGE AREA.--177 mi².

PERIOD OF RECORD.--October 1931 to current year.

REVISED RECORDS.--WSP 852: 1933 (m). WDR FL-75-1: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 0.62 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Mar. 31, 1933, nonrecording gage at site 0.4 mi downstream at different datum. Mar. 31, 1933 to Apr. 28, 1955, nonrecording gage at present site and datum.

REMARKS.--Records good. Stage-discharge relation affected by tide on many days.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1919 reached a stage of 25.3 ft, from information by local resident, discharge 15,000 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	715	82	151	149	127	459	249	78	82	1,980	222	165
2	732	77	134	135	121	313	435	84	71	1,460	1,330	164
3	656	73	120	125	124	249	679	82	100	1,250	1,960	152
4	904	69	107	117	138	195	530	75	101	1,250	1,270	137
5	1,210	68	96	109	137	160	352	105	91	1,190	830	116
6	1,060	66	92	103	124	137	261	197	67	1,050	621	130
7	640	62	89	97	114	118	262	181	52	598	775	453
8	425	62	83	93	103	120	667	175	44	360	790	801
9	339	64	80	88	95	131	848	163	39	252	876	713
10	288	68	96	84	87	120	659	130	36	396	758	531
11	256	64	142	84	82	110	437	104	40	683	635	354
12	236	61	142	83	76	100	310	86	73	684	445	251
13	216	64	122	80	70	90	434	74	81	665	440	184
14	188	70	111	138	65	80	635	66	203	684	321	141
15	196	70	100	262	64	76	433	62	225	664	245	113
16	224	63	93	234	65	95	301	57	158	1,550	229	97
17	193	58	89	192	61	262	223	54	108	1,590	178	86
18	169	58	84	169	58	327	176	66	81	829	135	82
19	155	57	84	145	54	277	146	77	100	425	108	76
20	143	53	80	125	51	230	127	60	101	285	94	73
21	137	51	74	116	50	191	115	66	73	203	93	127
22	136	49	74	109	55	161	104	72	61	160	84	344
23	140	48	93	102	58	159	96	57	58	131	74	419
24	130	48	195	92	61	160	91	52	50	123	68	571
25	125	163	188	89	74	247	81	43	52	138	64	497
26	123	225	306	87	92	693	78	39	59	141	79	326
27	115	165	377	82	159	850	105	36	86	126	148	228
28	102	217	305	81	441	860	101	35	111	99	162	170
29	96	221	240	82	---	597	88	32	359	129	172	149
30	93	177	206	107	---	368	80	31	1,240	165	197	127
31	87	---	174	136	---	263	---	73	---	237	200	---
TOTAL	10,229	2,673	4,327	3,695	2,806	8,198	9,103	2,512	4,002	19,497	13,603	7,777
MEAN	330	89.1	140	119	100	264	303	81.0	133	629	439	259
MAX	1,210	225	377	262	441	860	848	197	1,240	1,980	1,960	801
MIN	87	48	74	80	50	76	78	31	36	99	64	73
CFSM	1.86	0.50	0.79	0.67	0.57	1.49	1.71	0.46	0.75	3.55	2.48	1.46
IN.	2.15	0.56	0.91	0.78	0.59	1.72	1.91	0.53	0.84	4.10	2.86	1.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 2005, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)	MEAN	MAX	(WY)	MIN	(WY)
	239	1,087	(1948)	95.9	(1948)	135	667	(1998)	163	(1964)	235	1,288	(1998)	242	(1959)
	140	540	(1964)	89.1	(1964)	119	131	(1964)	100	(1932)	264	14.3	(1932)	303	(1935)
	129	627	(1973)	90.3	(1973)	140	816	(1973)	140	(1935)	627	7.14	(1935)	90.3	(1935)
	129	681	(1934)	129	(1934)	129	681	(1934)	129	(1935)	681	6.50	(1935)	129	(1935)
	192	629	(2005)	192	(2005)	192	629	(2005)	192	(1990)	629	14.8	(1990)	192	(1990)
	289	1,038	(1968)	289	(1968)	289	1,038	(1968)	289	(1954)	1,038	7.25	(1954)	289	(1954)
	344	1,675	(2004)	344	(2004)	344	1,675	(2004)	344	(1990)	1,675	15.1	(1990)	344	(1990)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1932 - 2005	
ANNUAL TOTAL	86,954.8		88,422			
ANNUAL MEAN	238		242		191	
HIGHEST ANNUAL MEAN					440	
LOWEST ANNUAL MEAN					50.4	
HIGHEST DAILY MEAN	7,790		1,980		11,200	
LOWEST DAILY MEAN	5.8		31		2.9	
ANNUAL SEVEN-DAY MINIMUM	6.3		38		3.8	
MAXIMUM PEAK FLOW			2,190		12,700	
MAXIMUM PEAK STAGE			14.80		24.69	
INSTANTANEOUS LOW FLOW			27		2.6	
ANNUAL RUNOFF (CFSM)	1.34		1.37		1.08	
ANNUAL RUNOFF (INCHES)	18.28		18.58		14.66	
10 PERCENT EXCEEDS	313		661		409	
50 PERCENT EXCEEDS	75		126		73	
90 PERCENT EXCEEDS	23		61		21	

02246025 BLACK CREEK NEAR DOCTORS INLET, FL

LOCATION.--Lat 30°04'57", long 81°48'34", in NW¹/₄ sec.9, T.5 S., R.25 E., Clay County, Hydrologic Unit 03080103, on downstream side of bridge on State Highway 209, 1.7 mi upstream from Little Black Creek, 3.4 mi southwest of Doctors Inlet, and 8.0 mi upstream from mouth.

DRAINAGE AREA.--403 mi².

PERIOD OF RECORD.--April to September 1981 (gage-heights only); October 1981 to September 1987; October 1987 to October 1990 (gage-heights only); January 1995 to May 1997; October 2000 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is 10.00 ft below NGVD of 1929.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Discharge represents the net of much larger upstream and downstream discharges.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,540	470	934	805	385	e1,200	626	268	190	2,500	843	664
2	1,820	369	776	760	261	e630	1,110	301	299	2,100	1,990	505
3	2,100	337	805	752	359	e500	1,390	243	350	1,760	2,700	466
4	2,780	301	781	547	268	e490	1,070	212	424	1,790	2,430	447
5	2,800	248	813	281	244	e480	749	490	299	1,870	1,540	313
6	2,160	270	764	251	286	e420	675	799	340	1,920	1,180	446
7	1,230	290	751	195	380	e400	751	869	390	1,230	1,540	1,560
8	916	246	729	212	330	e400	1,580	592	343	821	1,540	1,860
9	808	8.2	431	183	317	e440	1,620	460	364	577	1,510	1,620
10	764	291	343	155	335	e390	1,290	427	235	1,180	1,410	1,220
11	718	332	420	240	255	368	1,080	488	352	1,480	1,100	851
12	656	529	326	329	244	351	799	397	483	1,310	873	534
13	644	614	381	343	239	306	838	368	417	1,370	1,010	451
14	588	719	315	457	255	268	868	282	879	1,640	668	388
15	626	830	254	450	278	141	767	286	840	1,810	554	453
16	699	796	263	434	215	323	585	382	531	2,380	628	339
17	666	778	297	456	212	550	495	332	305	2,410	470	295
18	512	763	256	421	e200	650	585	295	237	1,350	314	345
19	503	732	356	371	e180	e550	535	318	331	893	286	346
20	415	755	292	315	e170	e460	437	236	292	687	334	299
21	310	664	606	251	e170	e430	395	251	296	575	371	523
22	159	615	558	277	e190	e400	257	296	355	404	409	987
23	309	686	457	295	e200	e380	375	302	374	425	322	1,230
24	375	706	770	701	e210	e380	226	150	332	438	302	1,440
25	370	1,070	723	815	e250	891	261	247	252	473	264	1,090
26	322	931	1,040	739	e310	1,580	326	384	275	409	270	684
27	408	881	1,200	588	e480	1,910	290	367	265	420	650	627
28	446	1,080	1,090	415	e1,000	1,960	401	220	340	360	563	450
29	432	1,060	1,010	851	---	1,310	245	204	760	381	451	550
30	485	1,020	899	593	---	926	314	153	2,220	534	566	524
31	498	---	861	337	---	706	---	191	---	626	593	---
TOTAL	27,059	18,391.2	19,501	13,819	8,223	20,190	20,940	10,810	13,370	36,123	27,681	21,507
MEAN	873	613	629	446	294	651	698	349	446	1,165	893	717
MAX	2,800	1,080	1,200	851	1,000	1,960	1,620	869	2,220	2,500	2,700	1,860
MIN	159	8.2	254	155	170	141	226	150	190	360	264	295
CFSM	2.17	1.52	1.56	1.11	0.73	1.62	1.73	0.87	1.11	2.89	2.22	1.78
IN.	2.50	1.70	1.80	1.28	0.76	1.86	1.93	1.00	1.23	3.33	2.56	1.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2005, BY WATER YEAR (WY)

	363	330	283	448	468	815	492	252	351	572	706	927
MEAN	363	330	283	448	468	815	492	252	351	572	706	927
MAX	873	613	629	870	1,020	1,484	774	493	587	1,165	1,047	2,849
(WY)	(2005)	(2005)	(2005)	(2003)	(1987)	(2003)	(1984)	(1986)	(1995)	(2005)	(1995)	(2004)
MIN	91.9	155	104	165	177	279	183	96.8	127	284	382	280
(WY)	(1982)	(1983)	(1983)	(2004)	(1996)	(2004)	(2004)	(1982)	(1984)	(2004)	(1984)	(1983)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1982 - 2005

ANNUAL TOTAL	220,286.2	237,614.2	
ANNUAL MEAN	602	651	505
HIGHEST ANNUAL MEAN			651
LOWEST ANNUAL MEAN			357
HIGHEST DAILY MEAN	13,700	Sep 8	13,700
LOWEST DAILY MEAN	-13	Sep 5	-198
ANNUAL SEVEN-DAY MINIMUM	66	May 27	-72
MAXIMUM PEAK STAGE			15.21
ANNUAL RUNOFF (CFSM)	1.49		1.25
ANNUAL RUNOFF (INCHES)	20.33		17.04
10 PERCENT EXCEEDS	1,010		1,000
50 PERCENT EXCEEDS	304		338
90 PERCENT EXCEEDS	139		121

e Estimated

Note.--Negative figures indicate reverse flow

ST. JOHNS RIVER BASIN BELOW OCKLAWAHA RIVER
02246025 BLACK CREEK NEAR DOCTORS INLET, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.02	11.43	10.91	10.59	11.54	---	10.92	10.59	11.27	11.35	10.93	11.20
2	12.04	11.36	10.81	10.62	11.78	---	10.91	10.78	11.16	11.34	11.12	11.30
3	11.97	11.33	10.90	10.63	11.76	---	10.48	10.93	11.04	11.35	11.35	11.44
4	11.97	11.19	10.87	10.58	11.71	---	10.45	11.08	10.85	11.23	11.46	11.50
5	11.93	11.24	10.71	10.56	11.83	---	10.62	11.30	10.82	11.21	11.41	11.85
6	11.96	11.47	10.72	10.49	11.84	---	10.81	11.64	10.83	11.21	11.48	12.29
7	12.16	11.29	10.65	10.43	11.77	---	10.95	11.44	10.86	11.07	11.57	12.84
8	12.32	11.12	10.47	10.50	11.65	---	11.05	11.10	10.92	10.94	11.61	12.97
9	12.33	11.57	10.46	10.54	11.48	---	11.13	11.03	10.96	11.06	11.56	12.94
10	12.21	11.95	10.42	10.67	11.22	---	11.43	10.99	10.99	11.33	11.44	12.79
11	12.09	11.82	10.15	10.77	11.06	10.33	11.47	10.96	11.20	11.12	11.29	12.55
12	12.05	11.61	10.06	10.87	11.10	10.05	11.38	10.94	11.06	11.05	11.22	12.52
13	12.00	11.50	10.03	10.97	11.12	9.81	11.23	10.86	10.91	11.03	11.10	12.38
14	11.82	11.94	10.12	10.76	10.99	9.84	11.37	10.93	10.90	10.99	11.05	12.30
15	11.70	12.11	10.45	11.22	10.67	10.36	11.71	10.90	10.82	11.07	11.00	12.02
16	11.54	11.88	10.78	11.71	10.48	10.71	11.96	10.69	10.72	11.10	10.95	11.78
17	11.36	11.71	10.95	11.50	10.41	10.99	11.90	10.67	10.83	11.03	10.89	11.76
18	11.35	11.67	10.95	11.43	---	11.10	11.69	10.84	11.02	10.91	10.97	11.78
19	11.25	11.57	10.77	11.36	---	11.04	11.29	11.02	11.13	10.89	11.13	11.77
20	11.12	11.38	10.41	11.09	---	10.99	11.01	10.97	11.40	10.89	11.20	11.87
21	11.39	11.23	10.53	11.06	---	10.77	10.88	10.99	11.42	10.89	11.21	12.02
22	11.96	11.25	10.69	11.19	---	10.79	10.78	11.39	11.35	10.94	11.23	12.12
23	12.38	11.34	10.68	10.90	---	10.70	10.62	11.10	11.19	11.03	11.27	12.08
24	12.34	11.28	10.44	11.07	---	10.50	10.45	10.84	11.22	11.31	11.26	12.01
25	12.27	10.98	10.96	10.91	---	10.62	10.45	11.30	11.54	11.49	11.41	11.92
26	12.32	10.90	11.64	10.92	---	11.03	10.44	11.38	11.69	11.31	11.90	11.88
27	12.31	11.31	11.43	10.98	---	11.37	10.41	11.19	11.43	11.05	11.84	11.75
28	12.12	11.18	11.24	11.77	---	11.21	10.57	11.06	11.27	10.95	11.64	11.77
29	12.02	11.08	11.05	11.81	---	10.68	10.70	11.04	11.36	10.86	11.59	11.91
30	11.92	11.14	10.85	11.49	---	10.75	10.60	11.09	11.39	10.89	11.52	11.81
31	11.69	---	10.70	11.45	---	10.84	---	11.20	---	10.88	11.32	---
MEAN	11.93	11.43	10.70	10.99	---	---	10.99	11.04	11.12	11.09	11.32	12.04
MAX	12.38	12.11	11.64	11.81	---	---	11.96	11.64	11.69	11.49	11.90	12.97
MIN	11.12	10.90	10.03	10.43	---	---	10.41	10.59	10.72	10.86	10.89	11.20

02246030 LITTLE BLACK CREEK NEAR MIDDLEBURG, FL

LOCATION.--Lat 30°07'01", long 81°48'29", in SW¹/₄ sec.38, T.4 S., R.25 E., Clay County, Hydrologic Unit 03080103, at downstream side of bridge on State Highway 21, 2.2 mi northwest of Doctors Inlet, and 4.6 mi northeast of Middleburg.

DRAINAGE AREA.--31.2 mi².

PERIOD OF RECORD.--Water years 1965, 1967 (miscellaneous discharge measurements only), October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is 9.80 ft below NGVD of 1929.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	16	50	47	43	179	53	24	14	624	43	44
2	183	14	44	43	44	121	72	26	15	498	80	35
3	146	13	39	39	48	84	86	24	15	512	111	29
4	183	11	36	36	46	65	76	23	21	447	96	24
5	177	10	32	33	49	53	60	32	22	355	83	27
6	139	11	30	31	49	45	49	51	19	271	85	54
7	116	10	28	29	46	39	55	51	16	187	195	192
8	108	8.8	27	28	41	41	149	39	12	121	225	239
9	103	9.5	25	28	35	43	170	29	10	84	294	214
10	90	17	33	28	30	42	130	23	8.6	112	252	171
11	77	17	57	27	25	38	96	19	13	156	185	117
12	70	13	66	27	23	33	74	15	17	133	135	92
13	69	10	57	27	21	29	73	12	19	129	121	73
14	58	15	49	40	20	26	97	9.9	34	165	95	59
15	57	23	42	68	18	24	98	8.6	85	205	71	42
16	60	18	38	77	18	31	86	6.6	72	200	61	25
17	58	14	36	64	17	54	73	5.9	48	150	50	19
18	50	13	33	53	16	75	59	6.5	34	105	41	18
19	43	13	31	46	16	71	46	8.0	32	76	34	17
20	38	11	27	40	14	58	37	8.5	38	57	30	18
21	36	10	24	36	13	48	32	8.5	29	47	25	49
22	38	11	23	35	13	43	27	13	22	39	22	253
23	61	13	24	32	13	42	25	12	16	35	19	290
24	68	15	28	30	14	39	22	6.9	13	41	18	332
25	59	36	41	27	16	75	19	9.8	23	39	18	240
26	57	57	79	25	23	179	17	13	124	33	31	149
27	58	60	101	24	67	170	20	9.7	148	26	46	87
28	45	63	87	31	205	131	20	7.5	109	21	58	55
29	34	61	72	40	---	92	18	7.1	143	18	52	45
30	28	56	61	39	---	70	17	7.3	594	19	55	37
31	21	---	53	41	---	56	---	9.2	---	30	55	---
TOTAL	2,553	649.3	1,373	1,171	983	2,096	1,856	526.0	1,765.6	4,935	2,686	3,046
MEAN	82.4	21.6	44.3	37.8	35.1	67.6	61.9	17.0	58.9	159	86.6	102
MAX	223	63	101	77	205	179	170	51	594	624	294	332
MIN	21	8.8	23	24	13	24	17	5.9	8.6	18	18	17
CFSM	2.64	0.69	1.42	1.21	1.13	2.17	1.98	0.54	1.89	5.10	2.78	3.25
IN.	3.04	0.77	1.64	1.40	1.17	2.50	2.21	0.63	2.11	5.88	3.20	3.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	50.7	33.9	42.3	33.7	63.6	101	41.5	12.1	47.1	92.2	75.7	143
MAX	82.4	52.5	73.0	54.1	103	217	61.9	17.0	81.9	159	86.6	307
(WY)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2005)	(2003)	(2005)	(2005)	(2004)
MIN	26.3	21.6	9.49	9.11	35.1	18.3	4.93	5.96	0.40	31.4	53.8	19.9
(WY)	(2004)	(2005)	(2004)	(2004)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	19,160.22	23,639.9	
ANNUAL MEAN	52.4	64.8	61.3
HIGHEST ANNUAL MEAN			74.0
LOWEST ANNUAL MEAN			45.1
HIGHEST DAILY MEAN	969	Sep 27	624
LOWEST DAILY MEAN	0.00	Many days	5.9
ANNUAL SEVEN-DAY MINIMUM	0.00	May 22	7.5
MAXIMUM PEAK FLOW			656
MAXIMUM PEAK STAGE			37.46
ANNUAL RUNOFF (CFSM)	1.68		2.08
ANNUAL RUNOFF (INCHES)	22.84		28.19
10 PERCENT EXCEEDS	96		149
50 PERCENT EXCEEDS	18		39
90 PERCENT EXCEEDS	0.70		13
			1,130
			38.47
			1.96
			26.69
			137
			36
			5.0

02246150 BIG DAVIS CREEK AT BAYARD, FL

LOCATION.--Lat 30°09'05", long 81°31'35", in land grant 37, T.4 S., R.28 E., Duval County, Hydrologic Unit 03080103, at downstream end of culvert on U.S. Highway 1, 0.8 mi northwest of Bayard, 2.0 mi upstream from mouth, and 14.8 mi southeast of Union Station in Jacksonville.

DRAINAGE AREA.--13.6 mi².

PERIOD OF RECORD.--Water years 1964-66, 1970-74 (annual peak discharge), August 1966 to September 1969, June 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Feb. 18, 1965 to Aug. 21, 1966, crest-stage gage at same site and datum.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	4.1	4.1	3.6	3.7	17	11	11	4.0	101	27	8.0
2	45	3.9	3.7	3.5	3.4	10	22	8.5	3.0	90	18	6.1
3	38	3.7	3.3	3.3	3.8	7.5	22	5.9	3.3	124	14	5.9
4	37	3.5	3.0	3.1	3.9	6.4	15	4.9	6.8	77	12	5.0
5	31	3.3	2.9	3.1	3.6	5.6	11	8.0	4.9	77	30	15
6	27	3.0	2.8	3.0	3.3	5.0	8.5	11	3.3	63	49	30
7	23	2.8	2.7	2.9	3.1	4.5	13	8.8	2.5	45	51	163
8	19	2.7	2.7	2.7	3.0	5.8	32	6.8	2.1	33	46	180
9	17	2.6	2.6	2.7	2.9	5.9	27	5.5	1.8	25	35	117
10	15	2.5	3.5	2.6	2.8	4.9	19	4.6	1.9	26	32	79
11	14	2.7	4.6	2.6	2.6	4.3	13	4.1	7.7	35	24	57
12	12	3.0	4.0	2.6	2.4	3.9	10	3.7	13	61	18	41
13	12	3.0	3.3	2.5	2.4	3.5	11	3.3	8.2	44	14	30
14	10	3.6	2.9	4.4	2.3	3.3	10	2.9	5.5	34	11	23
15	10	3.2	2.6	5.5	2.3	3.2	8.8	2.5	4.2	27	8.4	17
16	11	2.8	2.4	5.2	2.3	11	7.3	2.2	3.3	21	6.9	13
17	9.4	2.6	2.3	4.6	2.3	28	6.2	2.1	2.7	16	6.4	11
18	8.3	2.5	2.3	3.9	2.2	20	5.4	3.0	3.0	12	5.8	9.3
19	7.8	2.3	2.3	3.4	2.1	12	4.8	2.8	5.0	9.6	5.3	8.2
20	7.5	2.3	2.1	3.2	2.1	9.4	4.4	2.3	3.7	7.9	5.4	7.3
21	7.0	2.3	2.0	3.0	2.1	7.9	4.0	2.2	2.7	6.5	4.8	12
22	6.6	2.2	2.0	2.9	2.1	7.9	3.6	2.1	2.3	6.6	4.0	34
23	6.1	2.2	2.4	2.8	2.1	15	3.2	1.9	2.0	10	3.6	34
24	5.6	2.5	2.8	2.6	2.5	15	2.9	1.7	1.8	9.0	4.1	25
25	5.2	6.8	4.1	2.5	3.2	14	2.5	1.5	3.2	6.7	5.3	18
26	5.0	6.1	7.4	2.4	3.7	20	2.8	1.4	3.4	5.5	11	14
27	4.7	5.0	7.2	2.4	21	23	4.4	1.4	3.0	4.9	9.1	11
28	4.4	6.3	5.6	2.3	34	25	3.7	1.3	3.6	5.8	7.3	9.5
29	4.4	5.5	4.7	2.3	---	21	2.9	1.3	17	28	6.3	8.4
30	4.6	4.6	4.1	4.1	---	14	3.6	1.7	84	37	7.4	7.5
31	4.3	---	3.8	4.4	---	11	---	3.7	---	25	9.7	---
TOTAL	465.9	103.6	106.2	100.1	127.2	345.0	295.0	124.1	212.9	1,073.5	491.8	999.2
MEAN	15.0	3.45	3.43	3.23	4.54	11.1	9.83	4.00	7.10	34.6	15.9	33.3
MAX	54	6.8	7.4	5.5	34	28	32	11	84	124	51	180
MIN	4.3	2.2	2.0	2.3	2.1	3.2	2.5	1.3	1.8	4.9	3.6	5.0
CFSM	1.11	0.25	0.25	0.24	0.33	0.82	0.72	0.29	0.52	2.55	1.17	2.45
IN.	1.27	0.28	0.29	0.27	0.35	0.94	0.81	0.34	0.58	2.94	1.35	2.73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	18.6	8.27	9.32	10.3	12.2	12.6	6.66	5.07	8.50	9.78	14.1	23.1
MAX	74.3	44.9	57.3	30.8	48.6	48.5	21.3	37.5	47.7	40.5	69.6	68.9
(WY)	(1992)	(1995)	(1998)	(1994)	(1998)	(2003)	(1997)	(1979)	(1991)	(1975)	(1968)	(1979)
MIN	0.78	1.44	1.36	1.66	3.39	2.72	1.22	0.47	0.57	0.29	0.56	0.93
(WY)	(1982)	(1991)	(1981)	(1981)	(1991)	(2000)	(1968)	(1981)	(1981)	(1977)	(1990)	(1980)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1966 - 2005

ANNUAL TOTAL	3,697.3	4,426.9	
ANNUAL MEAN	10.1	12.1	11.5
HIGHEST ANNUAL MEAN			22.0
LOWEST ANNUAL MEAN			2.33
HIGHEST DAILY MEAN	226	Sep 27	735
LOWEST DAILY MEAN	1.0	Jun 1	0.07
ANNUAL SEVEN-DAY MINIMUM	1.1	May 26	0.13
MAXIMUM PEAK FLOW			1,170
MAXIMUM PEAK STAGE			10.47
INSTANTANEOUS LOW FLOW			*0.05
ANNUAL RUNOFF (CFSM)	0.743	0.892	0.844
ANNUAL RUNOFF (INCHES)	10.11	12.11	11.47
10 PERCENT EXCEEDS	23	30	25
50 PERCENT EXCEEDS	4.0	4.9	5.0
90 PERCENT EXCEEDS	2.0	2.3	1.3

* Jul 25, 1977, Jun 19, 1981

02246215 INDIGO BRANCH NEAR DOCTORS INLET, FL

LOCATION.--Lat 30° 07'59", long 81° 45'22", in SE $\frac{1}{4}$ sec.38, T.4 S., R.25 E., Clay County, Hydrologic Unit 03080103, on right bank 25 ft downstream from culvert on Doctors Lake Drive, 0.35 mi upstream from mouth, and 2.6 mi northeast of Doctors Inlet.

DRAINAGE AREA.--1.19 mi².

PERIOD OF RECORD.--October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929.

REMARKS.--Records fair except those greater than 80 ft³/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e12	2.4	1.3	1.7	1.1	3.0	3.4	2.0	1.3	5.6	4.1	2.2
2	5.0	2.3	1.2	1.6	1.5	2.5	4.2	1.5	1.0	e15	2.3	1.9
3	e12	2.1	1.1	1.6	1.5	2.6	1.9	1.1	1.2	9.9	1.9	1.7
4	6.1	2.3	1.1	1.5	1.2	2.5	1.6	1.2	1.0	5.5	1.8	2.1
5	2.6	2.1	1.1	1.6	1.1	2.3	1.4	2.7	0.89	3.8	2.8	2.2
6	2.5	1.7	1.1	1.7	1.1	2.2	1.3	1.2	0.80	2.9	e9.5	8.0
7	2.6	1.6	1.1	1.5	1.0	2.1	e10	1.0	0.73	2.6	3.8	7.5
8	2.5	1.7	1.1	1.3	0.95	8.8	2.9	0.89	0.68	2.4	2.4	4.4
9	2.5	1.7	1.1	1.2	0.93	3.0	1.8	0.84	0.64	3.6	2.1	2.8
10	e30	1.7	8.9	1.2	1.0	2.7	1.6	0.78	0.72	8.6	1.9	2.5
11	35	2.4	2.3	1.1	0.82	2.6	1.4	0.77	2.6	3.2	1.8	2.2
12	33	1.4	1.8	0.99	0.83	2.6	1.4	0.74	1.1	3.5	1.7	2.0
13	29	1.3	1.5	1.0	0.86	2.7	3.0	0.71	4.3	3.2	1.7	1.8
14	27	1.4	1.3	9.8	0.85	2.6	1.5	0.72	3.4	8.9	1.5	1.7
15	e45	1.3	1.3	2.1	0.86	4.3	1.2	0.70	1.5	4.2	1.7	1.6
16	36	1.1	1.3	1.6	0.91	17	1.1	0.67	1.1	2.8	2.9	1.5
17	29	1.1	1.3	1.3	0.87	10	1.0	0.68	0.99	2.4	1.9	1.5
18	25	1.0	1.2	1.2	0.77	5.4	1.0	0.70	2.1	2.2	1.6	1.5
19	21	1.0	1.2	1.2	0.78	4.2	0.98	0.63	2.1	2.1	1.4	1.4
20	18	1.2	1.0	1.2	0.84	4.0	0.98	0.63	1.2	2.0	1.4	1.8
21	15	1.3	1.00	1.2	0.90	4.1	0.96	0.83	1.0	1.9	1.4	e23
22	12	1.4	1.1	1.0	0.91	4.9	0.92	0.65	0.93	1.9	1.3	8.8
23	9.0	0.97	2.3	0.91	0.88	6.5	1.2	0.62	0.85	2.3	1.3	11
24	7.3	e7.9	2.1	0.92	0.94	4.1	0.94	0.60	0.84	1.9	1.7	4.6
25	6.4	e13	8.1	0.87	1.7	e12	0.86	0.58	4.2	1.8	2.6	2.7
26	5.3	1.6	6.1	0.99	1.3	4.0	1.6	0.55	7.5	1.7	6.4	2.3
27	4.4	4.6	2.6	1.1	e36	2.5	1.00	0.55	2.2	1.7	3.2	2.1
28	3.7	2.2	2.2	0.95	6.9	2.3	0.85	0.56	4.6	1.7	2.2	2.0
29	3.2	1.5	2.1	1.8	---	1.9	0.83	0.54	e13	1.7	2.3	1.9
30	3.0	1.4	1.9	3.5	---	1.8	2.7	2.3	14	3.2	5.9	1.8
31	2.6	---	1.8	1.3	---	2.6	---	1.8	---	2.0	2.7	---
TOTAL	447.7	68.67	64.60	50.93	69.30	133.8	55.52	29.74	78.47	116.2	81.2	112.5
MEAN	14.4	2.29	2.08	1.64	2.48	4.32	1.85	0.96	2.62	3.75	2.62	3.75
MAX	45	13	8.9	9.8	36	17	10	2.7	14	15	9.5	23
MIN	2.5	0.97	1.0	0.87	0.77	1.8	0.83	0.54	0.64	1.7	1.3	1.4
CFSM	12.1	1.92	1.75	1.38	2.08	3.63	1.56	0.81	2.20	3.15	2.20	3.15
IN.	14.00	2.15	2.02	1.59	2.17	4.18	1.74	0.93	2.45	3.63	2.54	3.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	6.11	1.88	2.08	1.80	2.58	3.96	1.84	1.23	2.27	2.41	2.86	5.10
MAX	14.4	2.29	3.40	2.91	3.63	6.47	2.71	1.73	2.62	3.75	3.53	9.81
(WY)	(2005)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2005)	(2004)	(2004)
MIN	1.79	1.08	0.75	0.83	1.68	1.10	0.96	0.96	1.81	1.72	2.43	1.74
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2004)	(2004)	(2003)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	1,261.14	1,308.63		
ANNUAL MEAN	3.45	3.59	2.85	
HIGHEST ANNUAL MEAN			3.59	
LOWEST ANNUAL MEAN			2.16	
HIGHEST DAILY MEAN	e49	Sep 6	e49	Sep 6, 2004
LOWEST DAILY MEAN	0.44	Apr 27	0.44	Apr 27, 2004
ANNUAL SEVEN-DAY MINIMUM	0.46	Apr 23	0.46	Apr 23, 2004
MAXIMUM PEAK STAGE			6.53	Jun 29
INSTANTANEOUS LOW FLOW			0.42	May 26-30
ANNUAL RUNOFF (CFSM)	2.90	3.01	2.39	
ANNUAL RUNOFF (INCHES)	39.42	40.91	32.50	
10 PERCENT EXCEEDS	8.2	8.0	5.5	
50 PERCENT EXCEEDS	1.2	1.8	1.6	
90 PERCENT EXCEEDS	0.60	0.86	0.70	

e Estimated

02246318 ORTEGA RIVER AT KIRWIN ROAD NEAR JACKSONVILLE, FL

LOCATION.--Lat 30° 11'46", long 81° 46'07", in SE 1/4 sec.35, T.3 S., R.25 E., Duval County, Hydrologic Unit 03080103, on right bank, 100 ft upstream from Argyle Forest Boulevard, 1.8 mi west of intersection of Interstate Highway 295 and State Highway 21, 11 mi upstream from mouth, and 11.5 mi southwest of Jacksonville.

DRAINAGE AREA.--45.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1982 to May 1985 (miscellaneous discharge measurements), March 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (levels by De Grove Surveyors, Inc., from St. Johns River Water Management District bench mark).

REMARKS.--Records fair except for period of estimated daily discharge, which is poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	241	20	63	61	51	160	85	28	9.9	821	52	77
2	162	19	50	55	45	128	125	33	9.9	969	84	51
3	130	18	43	50	45	102	180	26	16	1,090	235	38
4	166	16	37	49	49	84	171	22	39	807	228	32
5	149	15	33	47	47	69	141	32	36	691	150	30
6	144	14	30	41	43	58	105	46	25	517	109	45
7	124	13	29	37	38	50	98	45	16	362	149	266
8	101	11	28	35	34	52	212	37	11	222	297	388
9	89	10	27	33	31	49	202	28	7.5	148	342	284
10	79	9.3	45	29	29	45	164	21	5.3	170	487	168
11	73	9.2	68	e28	26	41	123	17	10	162	392	113
12	69	11	76	e26	23	36	96	15	24	213	281	84
13	65	11	74	e25	20	31	150	13	31	286	167	63
14	58	11	63	53	18	28	144	11	63	262	114	48
15	62	10	52	75	19	26	108	11	72	549	88	37
16	66	9.6	44	77	19	42	86	9.5	54	440	78	30
17	59	8.8	40	69	18	79	68	9.7	36	272	80	26
18	54	8.0	35	57	17	85	56	30	22	177	80	23
19	48	7.3	32	48	15	81	47	43	16	129	63	19
20	44	7.1	29	43	13	71	42	39	12	101	48	16
21	41	7.4	25	39	12	60	40	31	8.8	80	40	56
22	38	7.0	24	36	13	54	36	25	6.3	68	34	137
23	36	6.9	38	34	13	60	36	20	5.1	82	29	315
24	33	7.6	64	30	14	67	31	15	3.5	75	23	629
25	31	52	65	27	32	71	24	11	27	62	20	359
26	29	63	88	25	38	81	22	8.1	922	47	36	196
27	27	70	93	23	79	95	36	6.2	420	38	67	123
28	25	80	91	23	182	99	30	5.1	352	32	56	89
29	24	73	85	21	---	89	23	4.2	333	29	50	70
30	23	72	77	37	---	73	20	3.7	960	26	46	63
31	22	---	68	47	---	61	---	7.3	---	40	52	---
TOTAL	2,312	677.2	1,616	1,280	983	2,127	2,701	652.8	3,553.3	8,967	3,977	3,875
MEAN	74.6	22.6	52.1	41.3	35.1	68.6	90.0	21.1	118	289	128	129
MAX	241	80	93	77	182	160	212	46	960	1,090	487	629
MIN	22	6.9	24	21	12	26	20	3.7	3.5	26	20	16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

	2002	2003	2004	2005	2002	2003	2004	2005	2002	2003	2004	2005
MEAN	48.1	26.7	45.8	36.5	53.2	90.3	39.5	13.6	55.8	116	91.2	158
MAX	74.6	45.3	74.0	57.0	89.4	203	90.0	21.1	118	289	147	353
(WY)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2005)	(2005)	(2005)	(2003)	(2004)
MIN	33.6	12.2	11.4	11.1	35.1	20.6	9.52	5.96	23.2	28.3	28.3	17.9
(WY)	(2004)	(2004)	(2004)	(2004)	(2005)	(2004)	(2004)	(2002)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	20,448.02		32,721.3			
ANNUAL MEAN	55.9		89.6		66.8	
HIGHEST ANNUAL MEAN					89.6	
LOWEST ANNUAL MEAN					48.1	
HIGHEST DAILY MEAN	1,000	Sep 27	1,090	Jul 3	1,090	Jul 3, 2005
LOWEST DAILY MEAN	0.14	Jun 1	3.5	Jun 24	0.14	Jun 1, 2004
ANNUAL SEVEN-DAY MINIMUM	0.49	May 26	6.4	May 26	0.49	May 26, 2004
MAXIMUM PEAK FLOW			1,640		1,640	
MAXIMUM PEAK STAGE			12.83		12.83	
INSTANTANEOUS LOW FLOW			3.0		*0.14	
10 PERCENT EXCEEDS	85		188		137	
50 PERCENT EXCEEDS	21		45		31	
90 PERCENT EXCEEDS	5.4		11		8.0	

e Estimated

* May 31, Jun 1, 2, 2004

02246318 ORTEGA RIVER AT KIRWIN ROAD NEAR JACKSONVILLE, FL

WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 2002 to current year.

INSTRUMENTATION.--Water-quality monitor.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 361 $\mu\text{S}/\text{cm}$ @ 25 °C, July 3, 2002; minimum daily mean, 73 $\mu\text{S}/\text{cm}$ @ 25 °C, Mar. 11, 2003.

WATER TEMPERATURE: Maximum daily mean, 26.4 °C, July 18, 2002, Aug. 31, 2003; minimum daily mean, 7.1 °C, Jan. 26, 2003.

DISSOLVED OXYGEN: Maximum daily mean, 11.7 mg/L, Jan. 26, 2003; minimum daily mean, 4.3 mg/L, Sept. 17-19, 2004.

TURBIDITY: Maximum daily mean: 97 NTU, Sept. 24, 2003; minimum daily mean, 0 NTU, many days in April, May, June 2004.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 183 $\mu\text{S}/\text{cm}$ @ 25 °C, May 28-30; minimum daily mean, 91.0 $\mu\text{S}/\text{cm}$ @ 25 °C, Sept. 24.

WATER TEMPERATURE: Maximum daily mean, 25.6 °C, Sept. 18, 19; minimum daily mean, 9.5 °C, Jan. 19.

DISSOLVED OXYGEN: Maximum daily mean, 10.9 mg/L, Feb. 2, 6; minimum daily mean, 4.7 mg/L, June 9.

TURBIDITY: Maximum daily mean, 64 NTU, Apr. 21; minimum daily mean, 0.9 NTU, Nov. 14.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	95	158	162	---	166	122	145	158	176	---	---	---
2	103	159	162	---	163	121	135	154	173	---	---	---
3	108	159	---	---	160	128	122	156	174	---	---	---
4	111	160	---	---	160	135	112	160	160	---	---	---
5	114	161	---	---	160	141	112	161	158	---	---	---
6	110	162	---	---	160	147	116	160	164	---	---	---
7	111	162	---	---	160	151	120	160	168	---	---	---
8	114	164	---	---	162	153	110	163	171	---	---	95
9	119	165	---	---	163	155	107	165	174	---	---	94
10	124	166	---	---	164	156	107	167	179	---	---	99
11	129	166	---	---	164	160	109	168	180	---	---	103
12	133	169	---	---	165	161	114	170	168	---	---	109
13	134	169	---	---	168	163	112	173	---	---	---	119
14	137	167	---	161	171	166	109	173	---	---	---	128
15	138	166	---	152	171	167	115	174	---	---	---	135
16	141	167	---	152	169	166	119	174	---	---	---	140
17	142	168	---	149	168	152	125	175	---	---	---	144
18	145	168	---	150	167	152	130	167	---	---	---	147
19	146	167	---	151	169	148	135	154	---	---	---	150
20	149	169	---	153	171	147	139	161	---	---	---	154
21	151	170	---	154	173	150	141	164	---	---	---	146
22	152	168	---	156	173	154	141	163	---	---	---	122
23	155	169	---	159	173	154	141	164	---	---	---	113
24	156	170	---	160	172	154	144	170	---	---	---	91
25	156	160	---	162	170	154	151	173	---	---	---	92
26	157	160	---	164	167	153	156	175	---	---	---	98
27	157	164	---	165	164	149	151	180	---	---	---	105
28	157	156	---	165	124	142	152	183	---	---	---	112
29	160	158	---	166	---	142	158	183	---	---	---	120
30	161	161	---	169	---	145	160	183	---	---	---	125
31	158	---	---	169	---	148	---	180	---	---	---	---
MEAN	136	164	---	---	165	150	130	168	---	---	---	---
MAX	161	170	---	---	173	167	160	183	---	---	---	---
MIN	95	156	---	---	124	121	107	154	---	---	---	---

02246318 ORTEGA RIVER AT KIRWIN ROAD NEAR JACKSONVILLE, FL—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	21.6	17.0	---	11.5	15.4	20.2	19.7	23.1	---	---	---
2	25.2	22.1	16.3	---	11.5	13.8	19.9	19.6	e23.3	---	---	---
3	25.4	22.2	---	---	11.9	12.1	17.5	19.6	23.5	---	---	---
4	24.6	22.2	---	---	12.0	11.8	17.0	19.5	23.7	---	---	---
5	24.2	21.4	---	---	11.3	12.6	17.5	19.3	23.7	---	---	---
6	23.7	19.3	---	---	11.3	13.9	18.4	18.7	24.1	---	---	---
7	23.4	17.9	---	---	12.4	14.9	19.2	18.3	24.6	---	---	---
8	22.6	17.2	---	---	13.2	16.3	18.7	18.8	24.9	---	---	24.4
9	22.6	17.4	---	---	13.9	15.2	18.6	19.5	25.1	---	---	24.5
10	23.1	17.7	---	---	15.2	13.6	18.8	20.2	e25.3	---	---	24.4
11	23.3	18.0	---	---	13.8	13.7	17.9	20.9	24.7	---	---	24.1
12	22.8	18.7	---	---	12.3	14.5	18.6	21.0	24.8	---	---	24.5
13	22.8	19.2	---	---	12.4	15.5	19.6	21.2	---	---	---	24.5
14	22.2	18.9	---	18.4	13.0	17.1	19.0	21.3	---	---	---	24.5
15	21.5	18.2	---	16.5	14.1	17.7	17.2	21.3	---	---	---	24.5
16	19.5	17.1	---	14.1	15.4	17.2	16.4	21.7	---	---	---	24.7
17	19.4	16.3	---	12.0	16.6	16.6	16.0	22.2	---	---	---	25.2
18	20.2	15.6	---	10.3	15.5	14.1	15.7	22.2	---	---	---	25.6
19	21.1	16.0	---	9.5	13.8	12.7	16.3	22.1	---	---	---	25.6
20	22.2	17.2	---	10.0	13.7	13.5	17.4	22.3	---	---	---	25.5
21	22.6	18.0	---	10.7	14.8	15.5	18.3	22.3	---	---	---	25.2
22	22.3	18.4	---	12.4	16.2	17.3	18.9	21.8	---	---	---	24.9
23	21.2	18.8	---	12.9	17.6	18.6	19.6	22.0	---	---	---	24.9
24	20.2	19.3	---	10.5	18.7	18.9	18.6	22.9	---	---	---	24.8
25	20.2	19.8	---	9.6	18.1	19.2	16.9	23.0	---	---	---	24.9
26	20.1	17.4	---	10.6	16.2	19.0	17.0	21.7	---	---	---	24.9
27	20.1	15.5	---	12.6	15.6	19.3	18.0	21.2	---	---	---	25.0
28	20.2	16.2	---	12.9	16.0	19.8	18.4	21.7	---	---	---	25.2
29	20.9	15.6	---	12.6	---	19.1	18.4	22.2	---	---	---	25.1
30	21.3	15.9	---	13.3	---	18.8	19.5	22.7	---	---	---	25.0
31	21.7	---	---	12.5	---	19.4	---	22.7	---	---	---	---
MEAN	22.1	18.3	---	---	14.2	16.0	18.1	21.1	---	---	---	---
MAX	25.4	22.2	---	---	18.7	19.8	20.2	23.0	---	---	---	---
MIN	19.4	15.5	---	---	11.3	11.8	15.7	18.3	---	---	---	---

e Estimated

02246318 ORTEGA RIVER AT KIRWIN ROAD NEAR JACKSONVILLE, FL—Continued

 DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.3	---	7.6	---	10.4	7.3	5.9	6.8	---	---	---	---
2	5.4	---	7.5	---	10.9	7.8	6.0	6.8	---	---	---	---
3	5.8	---	---	---	10.6	8.2	6.7	6.9	5.9	---	---	---
4	5.5	5.8	---	---	10.5	8.8	7.3	6.6	5.7	---	---	---
5	5.9	5.4	---	---	10.8	8.7	7.3	6.5	5.6	---	---	---
6	5.8	6.3	---	---	10.9	8.4	7.2	6.4	5.6	---	---	---
7	6.0	7.2	---	---	10.5	8.2	7.1	6.9	5.1	---	---	---
8	6.1	7.6	---	---	9.9	7.6	6.6	7.0	4.9	---	---	5.9
9	6.4	7.7	---	---	9.6	8.0	6.9	6.8	4.7	---	---	6.0
10	6.5	7.5	---	---	8.9	8.8	7.1	6.5	5.7	---	---	6.0
11	6.3	7.3	---	---	8.9	9.1	7.5	6.2	6.2	---	---	5.7
12	---	7.0	---	---	9.5	8.9	7.5	6.4	5.9	---	---	5.8
13	---	6.7	---	---	9.7	8.7	7.0	6.7	---	---	---	5.6
14	---	6.3	---	6.4	9.5	8.1	7.2	6.7	---	---	---	5.4
15	---	6.7	---	6.8	9.1	7.7	---	6.7	---	---	---	5.5
16	6.2	7.6	---	7.9	8.6	7.9	---	6.6	---	---	---	5.7
17	6.4	8.1	---	8.7	7.9	---	---	6.4	---	---	---	5.6
18	6.3	8.4	---	9.7	8.1	---	---	6.3	---	---	---	5.4
19	6.2	8.3	---	10.1	8.7	---	---	6.3	---	---	---	5.3
20	5.9	7.9	---	10.0	9.2	---	---	6.7	---	---	---	5.4
21	5.9	7.5	---	9.7	8.9	---	---	6.4	---	---	---	5.4
22	5.9	7.3	---	9.1	8.4	---	---	6.3	---	---	---	5.7
23	6.1	7.1	---	8.6	7.8	---	---	---	---	---	---	6.2
24	6.2	6.9	---	9.1	7.2	---	---	---	---	---	---	6.3
25	6.3	6.1	---	9.8	6.8	---	---	---	---	---	---	6.4
26	6.4	6.8	---	9.8	7.5	---	---	---	---	---	---	6.4
27	6.3	8.0	---	9.2	7.8	---	---	---	---	---	---	6.1
28	6.4	7.7	---	8.8	7.2	---	---	---	---	---	---	5.4
29	6.3	7.9	---	8.8	---	---	7.3	---	---	---	---	5.0
30	6.4	8.1	---	8.6	---	---	7.0	---	---	---	---	5.2
31	---	---	---	8.9	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	9.1	---	---	---	---	---	---	---
MAX	---	---	---	---	10.9	---	---	---	---	---	---	---
MIN	---	---	---	---	6.8	---	---	---	---	---	---	---

02246318 ORTEGA RIVER AT KIRWIN ROAD NEAR JACKSONVILLE, FL—Continued

TURBIDITY, WATER, UNFILTERED, NEPHELOMETRIC TURBIDITY UNITS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.7	2.5	11	---	4.7	10	9.0	2.5	1.9	---	---	---
2	3.7	2.4	8.4	---	2.3	6.7	14	2.9	1.6	---	---	---
3	3.5	2.4	---	---	2.0	8.1	13	2.7	1.8	---	---	---
4	3.2	1.9	---	---	2.1	5.4	12	2.6	3.3	---	---	---
5	2.3	1.3	---	---	1.9	6.6	20	2.6	2.2	---	---	---
6	2.4	1.3	---	---	1.5	5.4	27	2.5	1.7	---	---	---
7	4.9	1.3	---	---	1.4	3.3	40	2.6	1.4	---	---	---
8	5.0	1.3	---	---	2.3	3.2	26	2.4	2.6	---	---	---
9	5.3	1.5	---	---	2.5	2.5	19	2.1	2.4	---	---	7.6
10	3.7	1.4	---	---	2.8	2.4	19	1.9	4.3	---	---	5.5
11	3.2	1.3	---	---	2.8	1.8	22	1.8	5.7	---	---	4.0
12	3.2	1.3	---	---	2.4	1.6	22	1.9	1.8	---	---	3.6
13	3.0	1.1	---	---	2.3	2.2	35	1.8	---	---	---	3.3
14	2.6	0.9	---	7.6	1.4	1.3	39	1.7	---	---	---	3.3
15	3.5	1.1	---	11	1.2	1.2	44	1.6	---	---	---	3.6
16	2.7	1.6	---	8.0	1.2	2.0	47	1.5	---	---	---	4.8
17	2.3	1.3	---	2.9	1.1	4.3	55	1.6	---	---	---	4.8
18	2.4	1.8	---	2.4	1.7	4.1	61	2.3	---	---	---	4.8
19	2.7	2.3	---	3.0	3.3	4.6	62	3.2	---	---	---	5.2
20	2.7	2.0	---	3.5	4.5	4.0	60	2.5	---	---	---	5.3
21	2.4	1.7	---	11	1.8	3.4	64	2.2	---	---	---	10
22	2.4	2.1	---	8.2	1.1	2.1	57	1.8	---	---	---	15
23	2.1	1.5	---	4.6	1.1	1.9	37	1.8	---	---	---	19
24	2.0	1.5	---	3.0	1.9	2.2	23	2.4	---	---	---	20
25	1.8	6.1	---	6.3	3.4	3.0	24	2.3	---	---	---	11
26	1.9	3.7	---	4.5	8.3	3.1	28	1.8	---	---	---	7.5
27	2.1	50	---	2.8	13	3.2	28	1.7	---	---	---	11
28	1.9	17	---	2.9	11	2.7	15	1.6	---	---	---	10
29	2.2	6.3	---	5.3	---	2.4	2.1	1.6	---	---	---	6.5
30	2.4	10	---	4.1	---	2.1	1.9	1.7	---	---	---	5.4
31	2.8	---	---	2.9	---	2.5	---	1.9	---	---	---	---
MEAN	2.9	4.4	---	---	3.1	3.5	31	2.1	---	---	---	---
MAX	5.3	50	---	---	13	10	64	3.2	---	---	---	---
MIN	1.8	0.9	---	---	1.1	1.2	1.9	1.5	---	---	---	---

02246459 CEDAR RIVER AT SAN JUAN AVENUE AT JACKSONVILLE, FL

LOCATION.--Lat 30° 16'55", long 81° 44'26", in SW¹/₄ sec.31, T.2 S., R.26 E., Duval County, Hydrologic Unit 03080103, on left bank at upstream side of bridge on San Juan Avenue in Jacksonville and 1.5 mi upstream from mouth.

DRAINAGE AREA.--22.8 mi².

PERIOD OF RECORD.--November 1993 to May 1997 and October 2000 to July 2002 (gage heights only), August 2002 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is 10.39 ft below NGVD of 1929 (levels by DeGrove Surveyors, Inc. from Florida Department of Environmental Protection bench mark).

REMARKS.--Records poor. Discharge not published Oct. 1, 2004 to Mar. 23, 2005 due to bad velocity record. Discharge represents net of much larger upstream and downstream discharge.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD MARCH 2005 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	89	11	-6.3	e236	106	14
2	---	---	---	---	---	---	224	-0.96	13	e559	98	-12
3	---	---	---	---	---	---	67	10	49	e670	20	-3.1
4	---	---	---	---	---	---	63	0.11	47	460	51	-3.9
5	---	---	---	---	---	---	50	17	-3.1	293	51	-5.4
6	---	---	---	---	---	---	23	5.8	4.4	150	117	e238
7	---	---	---	---	---	---	148	-8.7	-13	116	93	320
8	---	---	---	---	---	---	160	-16	12	85	79	56
9	---	---	---	---	---	---	47	-26	7.2	46	e108	-59
10	---	---	---	---	---	---	37	-26	-11	114	e85	-46
11	---	---	---	---	---	---	53	-11	40	107	e62	-28
12	---	---	---	---	---	---	77	-10	40	170	73	-43
13	---	---	---	---	---	---	237	-3.8	122	136	51	-37
14	---	---	---	---	---	---	28	9.7	269	e72	35	-15
15	---	---	---	---	---	---	10	15	133	e351	48	-10
16	---	---	---	---	---	---	30	10	56	141	69	-18
17	---	---	---	---	---	---	12	46	22	87	44	e-6.6
18	---	---	---	---	---	---	64	42	14	81	4.7	10
19	---	---	---	---	---	---	58	23	-4.2	52	6.9	9.5
20	---	---	---	---	---	---	39	18	-24	47	30	-16
21	---	---	---	---	---	---	5.8	-14	2.6	40	36	158
22	---	---	---	---	---	---	22	-23	21	69	39	106
23	---	---	---	---	---	---	16	30	20	97	42	323
24	---	---	---	---	---	-2.5	-13	-65	-4.6	33	39	149
25	---	---	---	---	---	e-6.7	6.6	-59	e104	56	19	75
26	---	---	---	---	---	-7.1	27	-2.6	e544	78	35	77
27	---	---	---	---	---	3.3	20	-1.7	242	69	62	e54
28	---	---	---	---	---	73	-0.94	7.8	196	58	86	60
29	---	---	---	---	---	-13	43	-16	e131	66	71	64
30	---	---	---	---	---	-18	34	-6.4	e685	45	41	37
31	---	---	---	---	---	e-3.7	---	-30	---	29	41	---
TOTAL	---	---	---	---	---	---	1,676.46	-74.75	2,708.0	4,613	1,742.6	1,447.5
MEAN	---	---	---	---	---	---	55.9	-2.41	90.3	149	56.2	48.2
MAX	---	---	---	---	---	---	237	46	685	670	117	323
MIN	---	---	---	---	---	---	-13	-65	-24	29	4.7	-59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	14.7	-1.43	1.13	-2.09	14.9	43.9	25.5	-0.43	39.1	62.8	35.6	38.2
MAX	16.3	10.6	21.1	20.5	49.8	98.4	55.9	9.10	90.3	149	67.8	66.6
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2003)	(2005)	(2005)	(2003)	(2002)
MIN	13.0	-13.5	-18.9	-24.7	-18.9	-0.08	2.26	-7.97	-7.22	-8.92	-12.3	-22.1
(WY)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 CALENDAR YEAR

WATER YEARS 2002 - 2005

ANNUAL TOTAL	-569.45		12138.11									
ANNUAL MEAN	-2.08		63.6							25.8		
HIGHEST ANNUAL MEAN										63.6		2005
LOWEST ANNUAL MEAN										-2.88		2004
HIGHEST DAILY MEAN	521	Sep 27				e685	Jun 30			e685	Jun 30, 2005	
LOWEST DAILY MEAN	-117	Feb 27				-65	May 24			-117	Feb 27, 2004	
ANNUAL SEVEN-DAY MINIMUM	-48	Jan 30				-34	Sep 9			-51	Nov 7, 2003	
MAXIMUM PEAK STAGE						13.62	Sep 9, 10			16.05	Sep 26, 2004	
10 PERCENT EXCEEDS	32					156				91		
50 PERCENT EXCEEDS	-8.1					39				12		
90 PERCENT EXCEEDS	-40					-14				-31		

e Estimated

Note.--Negative figures indicate reverse flow

ST. JOHNS RIVER BASIN BELOW OCKLAWAHA RIVER

02246500 ST. JOHNS RIVER AT JACKSONVILLE, FL

LOCATION.--Lat 30° 19'20", long 81° 39'56", in land grant 44, T.2 S., R.26 E., Duval County, Hydrologic Unit 03080103, near center of channel under the Acosta Bridge at Jacksonville, 2.6 mi upstream from Arlington River, and 23.0 mi upstream from mouth.

DRAINAGE AREA.--8,850 mi², includes Paynes Prairie, a diked sinkhole area of about 650 mi², which is noncontributing except for pumpage.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1954 to September 1970 (volume of flow), October 1970 to September 1971 (gage heights only) October 1971 to September 1974, October 1974 to September 1980 (gage heights only), October 1980 to September 1981, October 1981 to June 1987 (gage heights only), July 1987 to September 1993, October 1993 to July 1996 (gage heights only), August 1996 to current year.

REVISED RECORDS.--WDR FL-92-1A: Drainage area.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is 9.99 ft below NGVD of 1929. Apr. 13, 1966 to Sept. 30, 1971, at site 0.6 mi downstream at same datum. October 1971 to September 1986, water-stage and deflection meter recorder at site 200 ft upstream at same datum. October 1986 to July 1996, water-stage recorder 0.3 mi downstream at same datum. July 24, 1984 to Mar. 13, 1996, auxiliary water-stage recorder about 5.4 mi downstream.

REMARKS.--Records fair. Discharge represents the net of much larger upstream and downstream discharges. The stage record published is the maximum and minimum tide event for each calendar day.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46,200	36,400	35,200	19,700	-5,740	52,200	13,000	806	2,500	23,800	9,730	22,200
2	44,000	27,600	12,900	14,200	-7,770	19,000	23,800	-15,100	9,530	25,400	8,170	785
3	47,400	23,000	13,600	11,800	7,190	11,500	26,900	-14,400	13,500	29,000	5,190	7,590
4	38,300	29,800	20,600	12,500	-15,100	2,300	7,480	-10,600	17,000	29,900	16,100	4,520
5	31,000	-2,880	21,700	11,400	-5,410	23,300	-1,740	-17,000	9,310	30,300	15,500	-13,400
6	20,000	16,300	16,400	12,100	-4,330	-5,280	321	-3,540	11,100	23,300	14,400	-20,300
7	4,160	22,700	20,000	5,070	8,330	3,440	11,000	19,500	9,800	35,800	18,000	-2,140
8	8,680	20,800	18,200	2,080	16,200	16,700	18,300	28,900	8,530	25,200	21,300	-2,890
9	20,400	-30,700	9,180	1,960	23,800	-9,530	5,590	20,400	10,400	14,500	32,000	9,740
10	27,000	5,640	20,300	1,230	25,000	3,900	1,170	20,900	7,070	26,000	32,800	26,600
11	28,400	23,200	22,200	6,430	12,500	23,900	15,400	19,500	7,110	31,000	26,500	20,600
12	22,500	31,600	12,800	9,320	18,700	30,000	22,600	19,900	17,500	22,100	22,000	13,600
13	35,700	9,780	27,700	13,700	19,000	24,800	24,700	15,200	11,500	26,800	20,700	19,700
14	34,900	-10,500	-434	23,700	28,000	10,200	-10,400	6,080	13,200	17,600	12,300	21,200
15	40,100	14,900	-7,290	-50,000	26,300	-25,700	-15,700	12,500	16,200	18,500	14,900	36,800
16	41,200	35,500	-2,250	-14,200	17,500	-59	-12,800	13,300	12,800	18,600	15,100	28,700
17	40,700	27,900	6,330	5,690	4,600	-21,400	-4,610	258	-4,390	22,000	14,600	20,800
18	31,400	21,800	8,780	-2,420	-10,500	-5,990	20,000	-12,300	-5,190	16,200	7,990	19,000
19	35,100	24,100	19,600	7,850	13,900	-6,380	25,700	-9,680	-4,250	15,200	9,670	17,500
20	22,300	28,100	15,300	14,800	12,400	3,030	19,900	2,360	-11,600	13,700	15,100	8,020
21	-7,130	22,200	5,270	5,490	18,300	9,480	13,400	-13,600	8,330	21,200	17,700	24,700
22	-28,300	8,740	-2,720	6,680	7,890	-3,280	10,900	-9,330	22,200	20,500	18,000	27,400
23	-12,400	16,100	23,900	4,250	-7,260	19,500	22,600	25,700	27,100	18,200	16,500	23,500
24	12,100	22,500	-1,270	1,260	-2,880	15,700	10,800	13,200	9,440	935	16,500	24,300
25	10,800	44,300	-27,500	26,000	-20,900	6,390	17,100	-16,100	-201	14,400	-11,600	18,100
26	8,810	-40	-21,000	16,200	-19,500	2,370	21,500	12,700	24,300	26,900	-12,700	13,000
27	24,700	9,130	24,500	-6,560	-13,900	1,740	11,200	21,800	29,200	24,600	10,600	19,500
28	32,400	33,500	18,400	-38,600	30,800	49,600	3,770	15,400	21,200	15,500	13,600	310
29	26,300	19,100	26,600	19,600	---	27,800	8,960	7,030	16,500	18,300	12,200	5,680
30	32,600	21,800	27,700	22,700	---	17,500	14,800	-531	25,400	10,400	20,300	8,120
31	42,700	---	25,800	3,970	---	14,000	---	-3,940	---	10,600	22,200	---
TOTAL	762,020	552,370	390,496	167,900	177,120	310,731	325,641	149,313	335,089	646,435	455,350	403,235
MEAN	24,580	18,410	12,600	5,416	6,326	10,020	10,850	4,817	11,170	20,850	14,690	13,440
MAX	47,400	44,300	35,200	26,000	30,800	52,200	26,900	28,900	29,200	35,800	32,800	36,800
MIN	-28,300	-30,700	-27,500	-50,000	-20,900	-25,700	-15,700	-17,000	-11,600	935	-12,700	-20,300

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY)

MEAN	11,540	9,064	8,743	7,599	7,597	6,839	6,927	4,285	8,459	9,269	9,451	10,050
MAX	24,580	18,700	19,680	19,950	24,320	23,660	16,550	19,210	22,490	28,730	25,520	30,090
(WY)	(2005)	(1992)	(1998)	(1992)	(1998)	(1998)	(1992)	(1993)	(1993)	(1993)	(1974)	(2004)
MIN	1,667	266	-3,481	-4,023	-1,814	-4,920	-1,826	-10,430	-8,294	1,030	874	-1,208
(WY)	(1973)	(1974)	(1993)	(1974)	(1974)	(1974)	(1974)	(1973)	(1973)	(1997)	(2000)	(1981)

02246500 ST. JOHNS RIVER AT JACKSONVILLE, FL—Continued

SUMMARY STATISTICS	FOR 2004 WATER YEAR		FOR 2005 WATER YEAR		WATER YEARS 1972 - 2005	
ANNUAL TOTAL	4,198,946		4,675,700			
ANNUAL MEAN	11,930		12,810		8,288	
HIGHEST ANNUAL MEAN					15,640	1992
LOWEST ANNUAL MEAN					4,086	1973
HIGHEST DAILY MEAN	120,000	Sep 27	52,200	Mar 1	120,000	Sep 27, 2004
LOWEST DAILY MEAN	-69,200	Sep 5	-50,000	Jan 15	-69,200	Sep 5, 2004
ANNUAL SEVEN-DAY MINIMUM	-8,250	May 27	-6,720	Mar 15	-23,600	May 19, 2002
MAXIMUM PEAK STAGE			13.17	Sep 8-10	15.20	Sep 10, 1964
10 PERCENT EXCEEDS	33,700		28,800		25,700	
50 PERCENT EXCEEDS	9,880		14,800		8,650	
90 PERCENT EXCEEDS	-7,460		-7,270		-9,340	

Note.--Negative figures indicate reverse flow

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW	
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	12.38	10.60	12.16	10.49	11.63	9.82	11.29	9.70	12.03	10.66	11.85	9.49
2	12.38	10.72	12.08	10.48	11.51	9.89	11.33	9.73	12.20	10.92	10.97	9.26
3	12.28	10.69	12.01	10.51	11.51	9.95	11.28	9.70	12.33	10.35	11.00	9.34
4	12.18	10.68	11.92	10.48	11.49	9.94	11.24	9.58	12.21	10.89	11.09	9.41
5	12.11	10.68	12.01	10.47	11.34	9.72	11.27	9.41	12.40	10.86	11.10	9.38
6	12.20	10.85	12.10	10.58	11.33	9.62	11.26	9.60	12.50	10.82	10.97	8.90
7	12.40	11.05	11.92	10.38	11.33	9.63	11.22	9.22	12.46	10.76	11.09	9.09
8	12.67	11.32	11.76	10.09	11.18	9.35	11.41	9.20	12.46	10.52	11.06	8.43
9	12.67	11.24	12.29	10.18	11.29	9.13	11.40	9.13	12.34	10.36	11.13	8.52
10	12.60	11.06	12.61	10.90	11.49	9.28	11.56	9.24	12.01	9.81	11.37	8.94
11	12.63	11.00	12.57	10.80	11.23	8.92	11.61	9.32	11.85	9.73	11.19	9.14
12	12.71	10.89	12.50	10.52	11.07	8.59	11.66	9.49	11.88	10.01	10.98	8.79
13	12.63	10.83	12.25	10.21	11.05	8.71	11.82	9.63	11.90	10.14	10.58	8.58
14	12.48	10.61	12.52	10.50	11.06	8.50	11.79	9.24	11.90	9.92	10.70	8.76
15	12.43	10.44	12.68	10.86	11.31	8.86	11.52	9.70	11.49	9.61	10.99	9.34
16	12.26	10.38	12.55	10.70	11.56	9.57	11.90	10.47	11.25	9.60	11.36	9.79
17	12.09	10.14	12.36	10.58	11.62	9.90	11.81	10.16	11.15	9.53	11.33	10.05
18	12.25	10.17	12.31	10.54	11.64	9.99	11.65	10.22	11.11	9.96	11.43	10.13
19	12.01	10.12	12.21	10.53	11.50	9.39	11.70	10.54	11.30	9.74	11.41	10.23
20	11.83	10.02	12.08	10.38	11.12	9.43	11.55	10.13	11.11	9.46	11.50	10.21
21	12.17	10.25	11.89	10.18	11.26	9.70	11.62	9.97	11.07	9.30	11.31	9.92
22	12.80	11.01	11.96	10.09	11.50	9.61	11.75	10.06	10.88	9.01	11.40	9.71
23	13.09	11.46	12.10	10.20	11.68	9.86	11.33	9.70	11.21	9.05	11.93	9.83
24	13.07	11.52	12.10	10.11	11.23	9.27	11.67	9.69	11.50	9.52	11.26	9.47
25	13.03	11.36	11.65	9.70	11.87	9.62	11.52	9.88	11.57	9.54	11.61	9.47
26	13.07	11.37	11.65	9.40	12.13	10.57	11.68	9.84	11.72	10.05	12.03	9.90
27	13.11	11.38	12.02	10.00	12.03	10.49	11.52	9.76	12.21	10.42	12.17	10.32
28	12.88	11.17	11.84	10.01	11.89	10.24	12.09	10.46	12.35	10.51	12.42	9.92
29	12.74	11.04	11.72	9.89	11.75	10.15	12.22	10.80	---	---	11.65	9.54
30	12.62	10.92	11.82	10.08	11.52	9.88	12.18	10.38	---	---	11.56	9.72
31	12.35	10.71	---	---	11.38	9.73	11.96	10.48	---	---	11.63	9.69
MAX	13.11	11.52	12.68	10.90	12.13	10.57	12.22	10.80	12.50	10.92	12.42	10.32
MIN	11.83	10.02	11.65	9.40	11.05	8.50	11.22	9.13	10.88	9.01	10.58	8.43

ST. JOHNS RIVER BASIN BELOW OCKLAWAHA RIVER
02246500 ST. JOHNS RIVER AT JACKSONVILLE, FL—Continued

GAGE HEIGHT, FEET—CONTINUED
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW	
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	11.76	9.81	11.57	9.56	12.14	10.43	12.03	10.07	11.78	9.82	11.99	10.22
2	12.03	9.44	11.62	9.90	12.08	10.20	12.04	10.09	11.99	10.03	12.17	10.39
3	11.19	9.37	11.82	10.00	12.00	10.05	12.07	10.16	12.16	10.26	12.17	10.49
4	11.28	9.21	12.03	10.23	11.75	9.92	11.94	10.11	12.13	10.30	12.36	10.53
5	11.53	9.41	12.24	10.26	11.84	9.85	12.04	10.14	12.19	10.41	12.57	10.88
6	11.88	9.62	12.42	10.65	11.82	9.90	12.04	10.16	12.29	10.54	12.67	11.27
7	12.12	9.86	12.22	10.35	11.89	9.99	11.84	10.01	12.17	10.66	13.07	11.82
8	11.93	9.87	11.94	9.95	11.90	10.13	11.53	10.01	12.33	10.71	13.17	11.91
9	12.17	9.92	11.97	10.08	11.73	10.25	12.27	10.13	12.30	10.66	13.17	11.89
10	12.11	10.32	11.88	10.04	11.86	10.27	12.03	10.41	12.16	10.53	13.17	11.87
11	12.35	10.45	11.57	10.12	12.09	10.60	12.06	10.13	11.99	10.35	13.02	11.58
12	12.28	10.44	11.80	10.03	12.05	10.34	11.72	10.08	11.94	10.28	13.02	11.60
13	12.18	10.18	11.67	10.00	11.87	10.18	11.65	10.00	11.84	10.10	12.97	11.29
14	11.96	10.60	11.64	10.23	11.76	10.17	11.75	9.93	11.97	10.02	12.95	11.18
15	12.21	10.94	11.75	10.19	11.75	10.03	11.81	10.00	11.89	9.93	12.62	10.77
16	12.44	11.31	11.56	9.98	11.74	9.89	11.73	9.89	11.91	9.84	12.52	10.51
17	12.46	11.26	11.44	9.91	11.75	9.98	11.71	9.74	12.00	9.70	12.54	10.53
18	12.42	10.79	11.64	10.03	11.94	10.09	11.74	9.63	12.14	9.84	12.48	10.59
19	12.06	10.58	11.80	10.18	12.06	10.02	11.78	9.58	12.25	9.96	12.42	10.54
20	11.78	10.21	11.75	10.09	12.25	10.27	11.82	9.47	12.20	10.09	12.49	10.56
21	11.70	9.96	11.95	9.85	12.30	10.24	11.85	9.46	12.14	10.13	12.70	10.70
22	11.70	9.84	12.28	10.44	12.20	10.12	11.92	9.48	12.22	10.16	12.63	10.88
23	11.62	9.64	11.95	9.98	11.83	9.92	11.71	9.70	12.15	10.20	12.65	10.91
24	11.43	9.31	12.04	9.74	12.00	9.96	12.04	10.02	12.10	10.21	12.46	10.88
25	11.42	9.35	12.38	10.37	12.17	10.40	12.26	10.35	12.12	10.29	12.38	10.93
26	11.69	9.40	12.10	10.38	12.41	10.58	12.12	10.14	12.65	11.06	12.37	10.93
27	11.16	9.24	12.23	10.23	12.21	10.30	11.85	9.87	12.44	11.02	12.24	10.75
28	11.43	9.55	12.03	10.09	12.01	10.11	11.68	9.79	12.34	10.80	12.39	10.81
29	11.67	9.78	11.91	10.21	12.14	10.16	11.66	9.72	12.39	10.82	12.53	10.93
30	11.70	9.35	11.92	10.23	12.06	10.16	11.65	9.82	12.29	10.72	12.45	10.77
31	---	---	12.01	10.42	---	---	11.68	9.84	12.08	10.44	---	---
MAX	12.46	11.31	12.42	10.65	12.41	10.60	12.27	10.41	12.65	11.06	13.17	11.91
MIN	11.16	9.21	11.44	9.56	11.73	9.85	11.53	9.46	11.78	9.70	11.99	10.22
YEAR	HIGHHIGH	LOWLOW	MAXIMUM	13.17	MINIMUM	10.58						
			MAXIMUM	11.91	MINIMUM	8.43						

302309081333001 ST. JOHNS RIVER AT DAMES POINT BRIDGE AT JACKSONVILLE, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 30° 23'09", long 81° 33'30", T.1 S., R.28 E., Duval County, Hydrologic Unit 03080103, on top of concrete boat barrier on the east side of Dames Point Bridge, at Dames Point, and 9 mi upstream from mouth.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (TOP, BOTTOM): March 1996 to October 2001, October 2003 to current year.

WATER TEMPERATURE (TOP, BOTTOM): March 1996 to October 2001, October 2003 to current year.

DISSOLVED OXYGEN (TOP, BOTTOM): May 1996 to October 2001, October 2003 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Extremes for current year and extremes for period of daily record are based on recorded values and may have been exceeded during periods of no record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (TOP): Maximum daily mean, 53,700 $\mu\text{S}/\text{cm}$ @ 25 °C, Sept. 15, 1999; minimum daily mean, 4,500 $\mu\text{S}/\text{cm}$ @ 25 °C, Sept. 21, 2001.

SPECIFIC CONDUCTANCE (BOTTOM): Maximum daily mean, 55,100 $\mu\text{S}/\text{cm}$ @ 25 °C, Dec. 26, 2000; minimum daily mean, 9,660 $\mu\text{S}/\text{cm}$ @ 25 °C, Mar. 8, 1996.

WATER TEMPERATURE (TOP): Maximum daily mean, 31.5 °C, Aug. 1, 1999, Aug. 22, 2005; minimum daily mean, 9.6 °C, Jan. 4, 5, 2001.

WATER TEMPERATURE (BOTTOM): Maximum daily mean, 31.3 °C, Aug. 22, 2005; minimum daily mean, 9.6 °C, Jan. 4, 2001.

DISSOLVED OXYGEN (TOP): Maximum daily mean, 10.3 mg/L, Jan. 1, 2005; minimum daily mean, 3.0 mg/L, Oct. 25, 2004.

DISSOLVED OXYGEN (BOTTOM): Maximum daily mean, 9.9 mg/L, Dec. 31, 2004, Jan. 1, 2005; minimum daily mean, 2.3 mg/L, Oct. 27, 2004.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE (TOP): Maximum daily mean, 46,800 $\mu\text{S}/\text{cm}$ @ 25 °C, Jan. 16; minimum daily mean, 8,380 $\mu\text{S}/\text{cm}$ @ 25 °C, July 4.

SPECIFIC CONDUCTANCE (BOTTOM): Maximum daily mean, 47,900 $\mu\text{S}/\text{cm}$ @ 25 °C, Jan. 16; minimum daily mean, 15,200 $\mu\text{S}/\text{cm}$ @ 25 °C, Oct. 16.

WATER TEMPERATURE (TOP): Maximum daily mean, 31.5 °C, Aug. 22; minimum daily mean, 11.4 °C, Feb. 5, 6.

WATER TEMPERATURE (BOTTOM): Maximum daily mean, 31.3 °C, Aug. 22; minimum daily mean, 11.3 °C, Feb. 5, 6.

DISSOLVED OXYGEN (TOP): Maximum daily mean, 10.3 mg/L, Jan. 1; minimum daily mean, 3.0 mg/L, Oct. 25.

DISSOLVED OXYGEN (BOTTOM): Maximum daily mean, 9.9 mg/L, Dec. 31, Jan. 1; minimum daily mean, 2.3 mg/L, Oct. 27.

SPECIFIC CONDUCTANCE, TOP, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	22,100	38,200	32,800	27,000	30,300	37,500	9,970	23,700	---
2	---	---	---	22,700	40,500	26,500	27,100	34,100	35,100	9,450	26,200	---
3	---	---	---	23,200	39,400	24,600	19,100	36,700	32,400	8,640	28,300	---
4	---	---	---	23,000	39,600	26,000	18,200	38,800	28,400	8,380	29,000	---
5	---	---	---	24,000	40,500	23,700	22,800	41,000	29,200	10,000	27,600	---
6	9,300	---	---	23,200	41,200	23,800	26,700	44,000	30,300	13,600	27,400	---
7	12,600	---	---	24,400	40,500	27,600	27,400	40,200	31,800	13,300	26,600	---
8	17,900	---	17,000	27,900	39,000	24,700	25,900	33,700	32,600	12,900	25,800	42,900
9	18,100	---	19,600	30,300	36,100	30,800	28,100	31,600	32,000	16,400	21,900	41,900
10	15,000	---	18,900	34,300	32,400	34,700	35,000	30,100	32,100	17,700	16,400	38,600
11	11,800	---	16,400	35,500	32,500	33,900	34,500	28,700	32,000	13,300	13,900	31,900
12	---	---	20,900	36,400	32,200	28,400	30,500	27,600	29,800	12,600	15,200	28,800
13	---	---	20,200	36,700	30,400	23,600	25,600	25,700	27,300	13,100	15,000	25,600
14	---	---	27,400	31,700	27,200	24,100	27,400	26,500	26,800	14,500	19,400	24,000
15	---	---	36,500	40,200	21,200	35,200	35,200	26,900	24,700	14,600	20,500	18,200
16	9,170	---	40,700	46,800	18,600	40,900	38,600	23,400	24,000	14,800	20,900	15,600
17	---	---	41,300	45,400	20,100	41,900	37,300	24,000	26,900	15,000	21,600	19,400
18	12,600	---	40,200	44,400	26,300	44,100	34,000	28,500	31,100	16,100	27,400	22,100
19	10,300	---	36,700	43,300	27,800	43,000	25,400	34,000	33,800	19,700	32,600	24,100
20	---	---	30,700	38,300	26,200	41,300	20,000	34,000	38,700	21,500	33,700	28,700
21	---	---	29,300	35,400	23,200	37,100	18,000	35,600	39,200	22,800	33,300	28,100
22	31,900	---	30,800	34,400	22,900	35,800	18,400	42,000	37,200	25,200	32,700	23,800
23	37,400	---	28,600	32,200	29,000	34,000	18,200	38,200	33,000	27,200	32,800	20,800
24	34,800	---	27,100	36,300	34,800	29,700	20,400	35,700	33,100	33,300	32,100	16,200
25	31,600	---	37,600	32,500	37,900	30,500	23,500	42,400	38,700	36,500	33,800	15,900
26	31,100	---	45,000	30,600	44,600	34,100	23,300	43,200	35,900	30,900	40,200	16,000
27	29,800	---	42,500	30,000	45,600	37,100	24,900	40,400	28,700	24,400	37,500	17,500
28	---	---	39,600	42,400	43,300	32,700	29,800	38,900	22,000	21,600	31,900	21,500
29	---	---	35,200	43,900	---	23,700	32,000	37,800	18,800	18,800	28,400	25,700
30	---	---	29,100	39,200	---	25,400	29,000	38,200	11,400	20,100	25,500	25,400
31	---	---	25,100	37,500	---	26,500	---	38,100	---	20,600	22,500	---
MEAN	---	---	---	33,800	33,300	31,600	26,800	34,500	30,500	18,000	26,600	---
MAX	---	---	---	46,800	45,600	44,100	38,600	44,000	39,200	36,500	40,200	---
MIN	---	---	---	22,100	18,600	23,600	18,000	23,400	11,400	8,380	13,900	---

302309081333001 ST. JOHNS RIVER AT DAMES POINT BRIDGE AT JACKSONVILLE, FL—Continued

SPECIFIC CONDUCTANCE, BOTTOM, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	25,700	39,800	34,700	34,100	34,800	40,300	---	34,900	---
2	---	---	---	28,900	42,100	29,400	32,200	38,500	38,200	---	36,800	---
3	---	---	---	30,100	40,600	29,700	23,000	39,900	35,800	---	36,500	---
4	---	---	---	29,900	41,900	33,100	24,600	41,100	32,800	---	36,000	---
5	---	---	---	30,200	42,700	28,300	29,600	42,400	35,400	---	33,200	---
6	30,600	---	---	29,200	42,400	31,400	32,500	45,400	35,900	---	32,900	---
7	33,600	---	---	30,200	41,500	33,200	31,100	41,200	37,400	---	32,400	---
8	32,700	---	22,100	33,600	40,000	27,600	29,400	35,900	38,800	23,800	30,500	43,900
9	28,100	---	26,200	34,300	37,800	34,900	32,200	35,300	37,300	28,600	26,000	42,600
10	20,800	---	24,000	36,800	34,300	37,500	39,900	35,200	37,300	30,400	22,800	39,500
11	16,400	---	23,700	37,500	35,100	35,600	37,800	33,700	39,100	20,700	24,600	35,300
12	---	---	27,900	38,100	34,600	30,300	35,700	34,100	35,100	24,800	29,300	34,300
13	---	---	25,300	38,500	33,800	26,400	31,000	32,400	33,100	27,900	30,500	31,800
14	---	---	33,600	33,600	30,900	30,900	36,600	35,400	33,500	26,900	33,000	30,800
15	---	---	40,200	45,200	25,300	43,500	41,200	34,900	32,000	27,700	32,000	23,200
16	15,200	---	42,600	47,900	27,200	44,100	41,800	31,200	32,400	27,500	31,800	20,200
17	---	---	42,600	45,800	34,000	45,100	39,800	33,900	35,300	27,000	31,700	25,900
18	20,300	---	41,000	44,800	41,000	45,800	35,900	38,100	39,700	28,500	34,700	29,100
19	18,000	---	38,100	44,000	37,900	44,300	29,300	40,400	39,700	29,800	37,400	31,300
20	---	---	33,000	40,500	32,500	42,800	22,100	37,600	43,400	30,000	37,500	35,300
21	---	---	33,700	37,700	29,500	39,200	21,500	37,700	41,400	30,200	37,100	33,000
22	41,000	---	36,100	38,400	28,500	38,600	22,700	44,900	39,200	31,800	36,700	29,700
23	41,600	---	33,000	34,200	35,400	35,600	22,200	39,800	35,700	34,200	37,400	27,500
24	36,600	---	32,200	39,000	39,700	31,600	26,200	37,900	37,100	40,600	36,800	26,300
25	34,100	---	41,800	34,500	41,700	33,200	29,100	45,800	41,600	39,600	40,400	29,900
26	34,200	---	46,700	33,800	45,800	37,600	28,800	44,500	38,300	33,900	45,400	34,300
27	32,400	---	43,000	34,500	46,500	39,700	30,800	42,100	30,900	28,700	41,400	32,900
28	---	---	40,500	46,100	43,800	36,100	36,400	40,800	24,900	29,300	36,400	36,400
29	---	---	36,800	44,700	---	25,700	37,700	40,200	23,500	29,700	35,100	39,000
30	---	---	32,000	40,700	---	32,000	33,400	40,800	---	31,700	34,100	32,800
31	---	---	27,800	39,400	---	33,700	---	40,500	---	34,100	29,800	---
MEAN	---	---	---	37,000	37,400	35,200	31,600	38,600	---	---	34,000	---
MAX	---	---	---	47,900	46,500	45,800	41,800	45,800	---	---	45,400	---
MIN	---	---	---	25,700	25,300	25,700	21,500	31,200	---	---	22,800	---

302309081333001 ST. JOHNS RIVER AT DAMES POINT BRIDGE AT JACKSONVILLE, FL—Continued

 TEMPERATURE, TOP, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	13.2	12.5	15.3	19.8	21.4	25.9	28.6	30.1	30.6
2	---	---	---	13.6	12.1	15.2	19.7	21.4	26.1	28.8	30.0	30.7
3	---	---	---	14.1	12.0	14.8	19.7	21.6	26.4	28.8	29.9	30.4
4	---	---	---	14.5	11.8	14.5	19.5	21.7	26.4	29.0	30.1	30.1
5	---	---	---	14.8	11.4	14.6	19.4	21.5	27.0	29.2	30.1	29.5
6	27.3	---	---	15.2	11.4	14.8	19.6	21.0	26.9	29.5	30.1	28.7
7	26.7	---	---	15.4	11.8	15.2	19.8	21.3	27.3	29.7	30.3	28.0
8	26.3	---	18.6	15.9	12.4	15.6	19.9	21.9	27.8	30.1	30.4	27.7
9	26.2	---	19.1	16.3	13.1	15.0	19.8	22.5	28.1	30.0	30.5	27.5
10	26.2	---	19.4	16.5	13.8	14.5	19.7	23.1	28.0	29.5	30.6	27.4
11	26.1	---	18.9	16.7	13.3	14.9	20.0	23.5	27.5	29.4	30.5	27.4
12	---	---	18.1	16.9	12.9	15.3	20.6	23.9	27.6	29.5	30.6	27.6
13	---	---	17.7	17.3	13.2	15.8	21.1	24.4	27.9	29.5	30.5	27.5
14	---	---	17.3	17.7	13.6	16.4	20.8	24.7	28.1	29.5	30.4	27.5
15	---	---	16.4	16.4	14.0	16.1	19.7	24.9	28.4	29.6	30.5	27.5
16	24.3	---	15.4	14.8	14.3	16.0	19.1	25.2	28.6	29.7	30.7	27.8
17	24.0	---	15.1	14.4	14.6	15.8	19.0	25.3	28.6	29.9	31.0	28.1
18	24.1	---	15.1	13.7	14.3	15.1	19.2	25.0	28.1	30.1	31.0	28.5
19	24.2	---	15.0	13.1	14.1	14.9	20.0	24.7	27.8	30.2	31.0	28.8
20	---	---	14.0	13.2	14.5	15.4	20.6	24.9	27.4	30.4	31.1	28.8
21	---	---	13.6	13.2	15.1	16.2	21.1	24.6	27.5	30.7	31.3	28.6
22	25.0	---	13.8	13.5	15.5	16.7	21.5	23.6	27.9	30.7	31.5	28.5
23	24.6	---	14.3	13.4	15.6	17.3	21.6	24.4	28.5	30.5	31.3	28.4
24	24.2	---	14.4	12.6	15.8	17.7	20.9	25.1	28.7	30.0	31.2	28.4
25	24.2	---	14.0	12.4	15.4	18.0	20.3	24.5	28.1	29.9	31.1	28.5
26	24.1	---	13.1	12.5	14.4	17.7	20.4	24.3	28.3	30.5	30.4	28.6
27	24.0	---	12.6	12.9	14.4	17.7	20.5	24.8	28.6	31.0	30.5	28.5
28	---	---	12.5	12.9	14.7	18.3	20.4	25.3	28.6	31.1	30.8	28.8
29	---	---	12.6	12.6	---	18.9	20.7	25.8	28.5	30.9	30.8	28.8
30	---	---	12.7	12.7	---	19.1	21.3	26.1	28.5	30.6	30.7	28.9
31	---	---	12.9	12.7	---	19.4	---	26.0	---	30.3	30.6	---
MEAN	---	---	---	14.4	13.6	16.2	20.2	23.8	27.8	29.9	30.6	28.5
MAX	---	---	---	17.7	15.8	19.4	21.6	26.1	28.7	31.1	31.5	30.7
MIN	---	---	---	12.4	11.4	14.5	19.0	21.0	25.9	28.6	29.9	27.4

302309081333001 ST. JOHNS RIVER AT DAMES POINT BRIDGE AT JACKSONVILLE, FL—Continued

 TEMPERATURE, BOTTOM, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	13.2	12.5	15.3	19.1	21.1	25.8	28.5	29.6	30.5
2	---	---	---	13.6	11.9	15.2	19.3	21.0	25.9	28.4	29.5	30.5
3	---	---	---	14.0	11.9	14.7	19.5	21.4	26.1	28.6	29.7	30.3
4	---	---	---	14.4	11.5	14.1	19.0	21.6	26.2	28.9	29.9	30.1
5	---	---	---	14.7	11.3	14.5	18.9	21.4	26.1	29.2	30.0	29.4
6	27.0	---	---	15.0	11.3	14.4	19.2	20.9	26.5	29.6	29.9	28.6
7	26.8	---	---	15.3	11.7	14.9	19.6	21.2	26.8	29.4	30.1	28.0
8	26.5	---	18.7	15.8	12.3	15.5	19.6	21.8	27.1	29.6	30.3	27.7
9	26.2	---	19.2	16.2	12.9	14.8	19.5	22.3	27.6	29.6	30.4	27.4
10	26.2	---	19.5	16.4	13.6	14.4	19.4	22.8	27.7	29.3	30.5	27.3
11	26.1	---	19.1	16.6	13.2	14.8	19.8	23.2	27.2	29.2	30.4	27.4
12	---	---	18.3	16.8	12.8	15.3	20.2	23.5	27.3	29.0	30.3	27.6
13	---	---	17.8	17.2	13.0	15.7	20.8	23.9	27.5	29.0	30.2	27.5
14	---	---	17.6	17.6	13.4	16.2	20.2	24.0	27.6	29.1	30.1	27.5
15	---	---	16.6	16.0	13.8	15.7	19.3	24.2	27.9	29.2	30.3	27.5
16	24.4	---	15.6	14.8	14.0	15.8	18.9	24.6	28.0	29.2	30.5	27.7
17	24.1	---	15.1	14.4	13.9	15.6	18.9	24.3	27.9	29.4	30.8	28.1
18	24.3	---	15.2	13.7	13.6	15.1	19.2	23.8	27.4	29.5	30.8	28.4
19	24.4	---	15.1	13.1	13.8	14.8	19.8	23.8	27.3	29.7	30.8	28.6
20	---	---	14.2	13.2	14.2	15.2	20.5	24.6	27.1	30.0	30.9	28.6
21	---	---	13.7	13.1	14.7	16.0	20.9	24.5	27.4	30.4	31.1	28.6
22	25.2	---	13.9	13.4	15.1	16.5	21.2	23.2	27.8	30.4	31.3	28.4
23	24.6	---	14.4	13.5	15.1	17.2	21.4	24.3	28.3	30.0	31.1	28.3
24	24.2	---	14.5	12.7	15.3	17.6	20.5	24.9	28.5	29.2	31.0	28.4
25	24.2	---	14.3	12.4	15.1	17.7	19.9	24.1	28.0	29.6	30.7	28.4
26	24.1	---	13.2	12.5	14.3	17.4	20.1	24.2	28.1	30.3	30.2	28.3
27	24.0	---	12.7	12.8	14.3	17.4	20.2	24.6	28.6	30.8	30.4	28.4
28	---	---	12.6	12.9	14.7	18.0	20.1	25.1	28.6	30.7	30.6	28.5
29	---	---	12.6	12.7	---	18.8	20.3	25.5	28.4	30.4	30.7	28.5
30	---	---	12.8	12.8	---	18.4	21.0	25.8	28.4	30.1	30.6	28.8
31	---	---	13.0	12.7	---	18.8	---	25.8	---	29.8	30.5	---
MEAN	---	---	---	14.3	13.4	16.0	19.9	23.5	27.4	29.6	30.4	28.4
MAX	---	---	---	17.6	15.3	18.8	21.4	25.8	28.6	30.8	31.3	30.5
MIN	---	---	---	12.4	11.3	14.1	18.9	20.9	25.8	28.4	29.5	27.3

302309081333001 ST. JOHNS RIVER AT DAMES POINT BRIDGE AT JACKSONVILLE, FL—Continued

 DISSOLVED OXYGEN, TOP, WATER, UNFILTERED, MILLIGRAMS PER LITER
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	10.3	8.4	8.7	8.0	6.7	6.1	5.6	3.9	---
2	---	---	---	10.2	8.3	8.9	8.0	6.5	6.1	5.5	---	5.0
3	---	---	---	10.0	8.2	9.0	8.1	6.3	6.0	5.5	---	5.1
4	---	---	---	9.8	8.2	9.0	8.2	6.2	6.0	5.6	---	5.2
5	---	---	---	9.5	---	9.1	8.1	6.1	6.1	5.6	---	5.4
6	---	---	---	---	---	9.1	8.0	6.1	6.2	5.5	---	5.6
7	---	---	---	---	---	9.0	7.9	6.0	6.3	6.1	---	5.6
8	---	---	7.8	---	---	9.0	7.8	6.1	6.3	6.5	---	5.4
9	---	---	7.7	---	9.3	8.8	7.6	6.1	6.2	6.2	---	5.4
10	---	---	7.8	---	9.3	8.7	7.5	6.1	6.2	6.3	---	5.3
11	---	---	7.9	---	9.2	8.7	7.5	6.7	6.3	6.2	---	5.3
12	---	---	8.0	---	9.3	8.9	7.5	7.0	6.3	5.9	---	5.4
13	---	---	8.2	9.2	9.4	9.0	7.6	7.0	6.4	5.9	---	5.4
14	---	---	8.2	9.2	9.4	9.0	7.5	7.0	6.3	5.8	---	5.3
15	---	---	8.4	9.1	9.5	8.6	7.5	6.9	6.4	5.5	---	5.4
16	8.0	---	8.7	9.6	9.5	8.4	7.5	6.9	6.4	5.4	---	5.3
17	8.4	---	8.8	9.6	9.4	8.3	7.7	6.8	6.5	5.2	---	5.1
18	8.4	---	8.9	9.7	9.1	8.2	7.7	6.6	6.5	5.2	---	4.8
19	8.0	---	9.0	9.8	9.1	8.3	7.9	6.5	6.4	4.9	---	4.6
20	---	---	9.4	9.6	9.1	8.4	8.0	6.5	6.6	4.6	---	4.4
21	---	---	9.6	9.5	9.2	8.5	8.0	6.4	6.7	4.4	---	4.4
22	5.2	---	9.7	9.4	9.1	8.5	7.8	6.4	6.8	4.2	---	4.4
23	4.9	---	9.7	9.3	8.9	8.4	7.5	6.5	6.9	4.1	---	4.5
24	4.0	---	9.7	9.3	8.7	8.4	7.3	6.6	7.0	4.3	---	4.5
25	3.0	---	9.4	9.2	8.5	8.3	7.3	6.7	7.0	4.5	---	4.6
26	---	---	9.5	9.1	8.5	8.0	7.2	6.7	7.0	3.9	---	4.7
27	---	---	9.6	8.9	8.6	7.9	7.1	6.7	7.0	3.6	---	4.7
28	---	---	9.7	8.7	8.5	8.0	7.1	6.7	7.1	3.8	---	4.5
29	---	---	9.9	8.6	---	8.2	7.0	6.5	7.2	3.7	---	4.3
30	---	---	10.1	8.5	---	8.2	6.9	6.4	6.4	3.8	---	4.1
31	---	---	10.2	8.5	---	8.1	---	6.3	---	3.8	---	---
MEAN	---	---	---	---	---	8.6	7.6	6.5	6.5	5.1	---	---
MAX	---	---	---	---	---	9.1	8.2	7.0	7.2	6.5	---	---
MIN	---	---	---	---	---	7.9	6.9	6.0	6.0	3.6	---	---

302309081333001 ST. JOHNS RIVER AT DAMES POINT BRIDGE AT JACKSONVILLE, FL—Continued

DISSOLVED OXYGEN, BOTTOM, WATER, UNFILTERED, MILLIGRAMS PER LITER
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	9.9	8.2	8.6	7.8	6.4	5.9	7.4	4.0	---
2	---	---	---	9.6	8.2	8.7	7.7	6.3	5.9	7.3	---	4.5
3	---	---	---	9.4	8.1	8.8	7.8	6.1	5.9	7.3	---	4.7
4	---	---	---	9.3	8.1	8.8	7.9	6.0	6.0	7.2	---	4.8
5	---	---	---	9.0	---	8.9	7.8	5.9	6.0	7.2	---	5.1
6	---	---	---	---	---	8.8	7.7	5.9	6.1	7.1	---	5.2
7	---	---	---	---	---	8.7	7.7	5.9	6.1	6.3	---	5.2
8	---	---	7.4	---	---	8.8	7.6	5.9	6.1	5.6	---	5.1
9	---	---	7.4	---	9.1	8.6	7.3	5.9	6.1	5.6	---	5.1
10	---	---	7.5	---	9.1	8.5	7.2	5.9	6.1	5.6	---	5.0
11	---	---	7.5	---	9.1	8.6	7.3	6.4	6.1	5.4	---	5.0
12	---	---	7.6	---	9.2	8.7	7.3	6.7	6.2	5.3	---	5.0
13	---	---	7.9	---	9.2	8.8	7.2	6.6	6.2	4.9	---	5.0
14	---	---	7.9	9.0	9.2	8.7	7.1	6.5	6.2	4.8	---	4.9
15	---	---	8.1	8.8	9.3	8.4	7.2	6.4	6.1	4.6	---	5.1
16	7.6	---	8.5	9.4	9.1	8.2	7.2	6.4	6.1	4.5	---	5.1
17	8.0	---	8.7	9.5	8.8	8.1	7.3	6.1	6.4	4.4	---	4.8
18	8.0	---	8.8	9.5	8.6	8.0	7.4	6.1	6.5	4.4	---	4.5
19	7.7	---	8.9	9.6	8.7	8.1	7.5	6.2	6.5	4.4	---	4.3
20	---	---	9.2	9.4	8.8	8.2	7.7	6.2	6.7	4.2	---	4.2
21	---	---	9.4	9.3	8.9	8.3	7.6	6.2	6.8	4.1	---	4.2
22	5.3	---	9.4	9.0	8.9	8.2	7.4	6.2	7.0	4.2	---	4.2
23	5.1	---	9.4	9.0	8.7	8.2	7.2	6.3	7.0	4.2	---	4.2
24	4.2	---	9.3	9.0	8.5	8.2	7.0	6.3	7.1	4.6	---	4.1
25	3.2	---	9.0	9.0	8.4	8.1	7.0	6.5	7.2	4.6	---	4.0
26	2.5	---	9.3	8.8	8.4	7.8	7.0	6.6	7.1	3.9	---	3.9
27	2.3	---	9.4	8.6	8.5	7.7	6.9	6.5	7.2	3.6	---	3.9
28	---	---	9.5	8.4	8.4	7.9	6.7	6.4	7.2	3.7	---	3.8
29	---	---	9.6	8.5	---	8.0	6.6	6.3	7.3	3.7	---	3.7
30	---	---	9.7	8.3	---	8.0	6.6	6.2	7.5	3.9	---	3.7
31	---	---	9.9	8.3	---	7.9	---	6.1	---	4.0	---	---
MEAN	---	---	---	---	---	8.4	7.3	6.2	6.5	5.1	---	---
MAX	---	---	---	---	---	8.9	7.9	6.7	7.5	7.4	---	---
MIN	---	---	---	---	---	7.7	6.6	5.9	5.9	3.6	---	---

02246599 TROUT RIVER NEAR DINSMORE, FL

LOCATION.--Lat 30° 24' 25", long 81° 50' 33", in NW¹/₄ sec. 19, T.1 S., R.25 E., Duval County, Hydrologic Unit 03080103, near right bank on downstream side of bridge on Garden Street, 4.8 mi southwest of Dinsmore, and 16.3 mi upstream from mouth.

DRAINAGE AREA.--3.27 mi².

PERIOD OF RECORD.--Water years 1977 to 1987 (miscellaneous discharge measurements only), October 2002 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929.

REMARKS.--Records good.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	1.9	2.9	3.2	2.3	6.5	12	0.88	0.83	73	38	1.7
2	8.0	1.9	2.4	3.0	2.2	3.8	42	0.79	0.50	83	36	1.3
3	11	1.8	2.1	2.8	2.8	3.0	11	0.45	0.82	63	17	1.1
4	19	1.8	1.9	2.7	3.0	2.7	5.5	0.43	1.1	82	13	1.0
5	9.4	1.8	1.8	2.6	2.4	2.3	3.6	2.2	0.78	64	11	1.0
6	7.1	1.7	1.7	2.4	2.1	1.9	2.8	2.1	0.50	23	9.8	7.2
7	8.6	1.6	1.6	2.3	1.9	1.8	18	1.3	0.39	15	23	30
8	5.4	1.2	1.5	2.3	1.8	2.7	19	0.87	0.30	11	21	13
9	4.3	1.2	1.5	2.3	1.7	2.2	7.6	0.53	0.23	8.3	15	6.4
10	3.8	1.3	16	2.3	1.7	2.0	4.5	0.38	0.21	11	8.7	3.9
11	3.4	1.3	7.2	2.3	1.5	1.8	3.1	0.35	0.94	46	6.6	2.6
12	3.2	1.5	4.1	2.2	1.5	1.5	2.6	0.28	0.75	48	5.4	2.0
13	2.8	1.6	3.2	2.2	1.4	1.4	4.6	0.24	5.1	32	4.2	1.5
14	2.3	1.6	2.8	8.8	1.3	1.4	3.1	0.19	6.6	18	3.5	1.3
15	2.7	1.6	2.4	5.9	1.4	1.4	2.5	0.17	2.5	56	3.2	1.1
16	2.5	1.4	2.3	3.2	1.3	5.5	2.0	0.15	1.5	48	4.3	0.96
17	2.0	1.3	2.3	2.5	1.3	6.7	1.7	10	0.88	19	4.6	0.88
18	1.8	1.3	2.1	2.2	1.2	4.4	1.3	8.3	0.53	12	2.8	0.92
19	1.7	1.2	2.0	2.1	1.1	3.2	1.1	2.3	0.47	9.3	2.0	1.1
20	1.6	1.2	1.9	2.1	1.0	2.3	0.95	1.1	0.31	7.7	1.7	1.1
21	1.5	1.3	1.9	1.9	1.0	1.9	0.81	1.4	0.32	6.6	1.5	1.3
22	1.5	1.2	1.9	1.8	1.1	2.6	0.72	0.98	0.34	9.9	1.4	2.3
23	1.3	1.3	7.6	2.0	1.1	3.7	0.64	0.61	0.30	27	1.2	46
24	1.1	2.4	5.9	1.9	1.2	2.3	0.58	0.39	0.18	12	1.3	48
25	1.9	19	11	1.8	2.3	3.4	0.49	0.27	35	7.7	1.2	18
26	2.1	4.7	20	1.8	2.6	4.1	0.50	0.21	42	5.7	2.4	11
27	2.0	5.9	8.9	1.7	25	3.6	0.69	0.18	9.8	3.8	2.9	7.4
28	1.9	10	5.6	1.4	20	2.7	0.52	0.16	11	2.9	2.4	5.6
29	2.2	4.9	4.5	1.4	---	1.8	0.42	0.15	55	55	2.5	4.7
30	2.2	3.5	3.8	4.3	---	1.4	0.41	0.60	75	60	3.3	3.7
31	2.0	---	3.5	2.7	---	3.3	---	1.1	---	50	2.3	---
TOTAL	130.3	84.4	138.3	82.1	89.20	89.3	154.73	39.06	254.18	969.9	253.2	228.06
MEAN	4.20	2.81	4.46	2.65	3.19	2.88	5.16	1.26	8.47	31.3	8.17	7.60
MAX	19	19	20	8.8	25	6.7	42	10	75	83	38	48
MIN	1.1	1.2	1.5	1.4	1.0	1.4	0.41	0.15	0.18	2.9	1.2	0.88
CFSM	1.29	0.86	1.36	0.81	0.97	0.88	1.58	0.39	2.59	9.57	2.50	2.32
IN.	1.48	0.96	1.57	0.93	1.01	1.02	1.76	0.44	2.89	11.03	2.88	2.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	3.23	2.39	3.61	2.13	3.29	6.79	2.56	0.77	5.62	11.9	7.72	14.1
MAX	4.20	3.83	5.57	2.90	4.46	16.2	5.16	1.26	8.47	31.3	10.4	33.0
(WY)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2005)	(2005)	(2005)	(2003)	(2004)
MIN	2.72	0.53	0.79	0.86	2.26	1.25	0.36	0.31	3.96	1.53	4.56	1.57
(WY)	(2003)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2004)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	1,855.34	2,512.73	
ANNUAL MEAN	5.07	6.88	5.34
HIGHEST ANNUAL MEAN			6.88
LOWEST ANNUAL MEAN			4.45
HIGHEST DAILY MEAN	132	Sep 7	83
LOWEST DAILY MEAN	0.04	May 28	0.15
ANNUAL SEVEN-DAY MINIMUM	0.05	May 24	0.25
MAXIMUM PEAK FLOW			195
MAXIMUM PEAK STAGE			46.71
ANNUAL RUNOFF (CFSM)	1.55		2.11
ANNUAL RUNOFF (INCHES)	21.11		28.59
10 PERCENT EXCEEDS	10		18
50 PERCENT EXCEEDS	1.4		2.3
90 PERCENT EXCEEDS	0.18		0.61

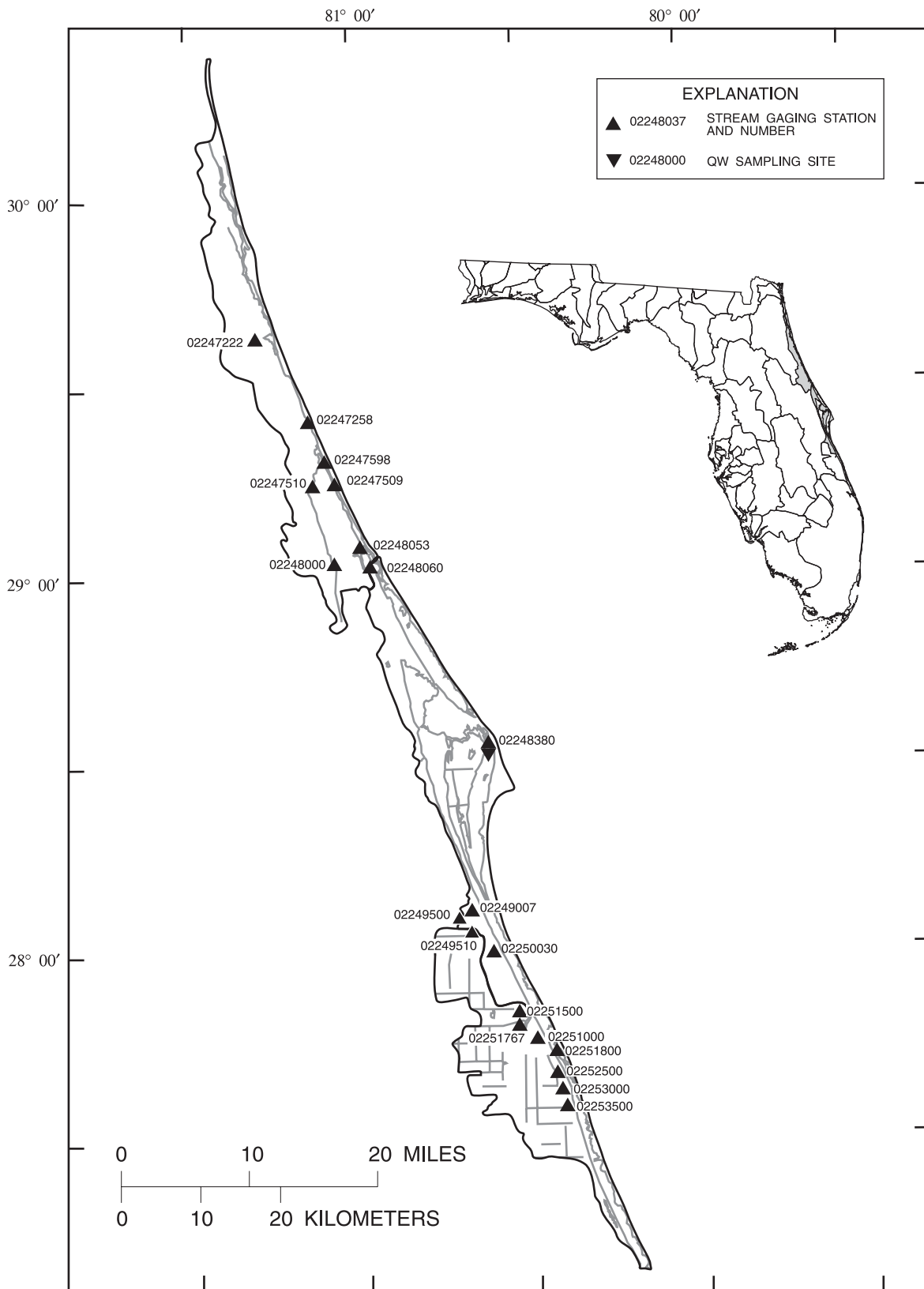


Figure 7.--Location of stream gaging stations in the coastal area between the St. Johns and St. Lucie Rivers.

02247222 PELLICER CREEK NEAR ESPANOLA, FL

LOCATION.--Lat 29° 40'09", long 81° 15'35", in land grant 45, T.10 S., R.30 E., St. Johns County, Hydrologic Unit 03080201, on left bank, at Faver-Dykes State Park, 1.5 mi upstream from mouth, 1.8 mi east of intersection of U.S. Highway 1 and Interstate Highway 95, and 13 mi northeast of Espanola.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 2001 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is undetermined.

REMARKS.--Records fair. Discharge represents net of much larger upstream and downstream discharge.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	-13	57	6.9	-7.7	160	68	-7.1	63	108	-5.3	3.7
2	228	-32	29	0.13	-11	87	173	-27	147	64	-20	-73
3	172	-8.1	35	0.09	-6.2	30	242	-41	78	47	-22	-30
4	177	-3.0	22	-12	-37	24	136	-14	42	136	17	-20
5	128	11	12	-13	-42	60	71	-55	49	460	41	-74
6	78	8.0	-11	-11	-62	-12	-6.6	173	67	457	38	-88
7	28	6.6	-1.1	-18	-58	-1.2	12	193	70	319	37	87
8	31	-3.7	0.19	-23	-36	69	197	193	40	222	66	125
9	42	-190	-31	-19	-5.3	-10	182	86	17	255	70	258
10	65	-52	1.1	-40	76	-10	135	80	-6.4	236	147	399
11	55	-5.5	68	-24	32	93	116	40	50	249	168	237
12	12	-6.5	11	-32	30	61	81	61	292	209	128	122
13	98	-99	41	-66	-6.7	42	150	19	320	176	68	116
14	53	-30	63	45	5.7	23	36	-4.4	213	150	75	75
15	63	80	41	-66	10	-0.24	12	4.0	161	147	51	78
16	71	108	39	86	11	1.8	28	7.0	144	145	27	11
17	56	61	19	57	20	12	29	-29	141	128	14	-28
18	18	18	12	19	-22	58	27	-43	93	74	-42	-3.5
19	44	9.4	49	23	2.9	8.4	-2.3	-44	-0.07	23	4.2	-14
20	47	12	55	42	-30	-7.8	-13	-23	-17	-16	47	-25
21	-29	2.2	-22	14	-1.4	-25	-28	-157	32	-12	14	16
22	-127	-23	-52	-5.6	-20	-24	-28	-45	54	25	13	36
23	-75	-14	-9.9	64	-45	32	20	60	33	54	3.9	26
24	-14	-38	0.42	33	-12	9.4	29	23	-11	3.8	-2.6	36
25	-9.1	81	-112	39	-49	29	-11	-69	38	11	-52	-5.0
26	-45	-15	55	23	-12	155	0.01	20	18	28	-57	-13
27	5.6	-54	57	-26	-6.8	205	31	-8.6	8.6	-6.5	-45	-26
28	37	67	23	-80	188	357	13	-9.0	3.5	-46	-40	-50
29	-22	12	38	10	---	218	-33	-18	52	-34	-62	-42
30	-1.2	-48	21	55	---	127	-39	-5.8	98	-15	-20	-52
31	30	---	23	-9.3	---	101	---	3.4	---	-25	2.8	---
TOTAL	1,472.3	-158.6	532.71	72.22	-94.5	1,872.36	1,627.11	362.5	2,289.63	3,572.3	664.0	1,082.2
MEAN	47.5	-5.29	17.2	2.33	-3.38	60.4	54.2	11.7	76.3	115	21.4	36.1
MAX	256	108	68	86	188	357	242	193	320	460	168	399
MIN	-127	-190	-112	-80	-62	-25	-39	-157	-17	-46	-62	-88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	39.9	6.11	70.6	73.8	43.4	111	18.4	-4.34	17.9	49.9	97.3	193
MAX	47.5	62.8	173	183	89.8	279	54.2	23.4	76.3	115	181	458
(WY)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2003)	(2005)	(2005)	(2004)	(2004)
MIN	32.2	-18.4	17.2	2.33	-3.37	43.4	-11.5	-41.2	-33.9	3.16	21.4	-3.87
(WY)	(2004)	(2004)	(2005)	(2005)	(2005)	(2002)	(2004)	(2004)	(2004)	(2004)	(2005)	(2003)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

FOR 2005 WATER YEAR

WATER YEARS 2002 - 2005

ANNUAL TOTAL	22,793.75	13,294.23	
ANNUAL MEAN	63.1	36.4	60.6
HIGHEST ANNUAL MEAN			93.8
LOWEST ANNUAL MEAN			36.4
HIGHEST DAILY MEAN	1,980	Sep 6	460
LOWEST DAILY MEAN	-190	Nov 9	-190
ANNUAL SEVEN-DAY MINIMUM	-84	May 11	-55
MAXIMUM PEAK STAGE			17.23
10 PERCENT EXCEEDS	216		148
50 PERCENT EXCEEDS	14		14
90 PERCENT EXCEEDS	-57		-41
			173
			31
			-45
			1,980
			-190
			-84
			18.52
			Sep 5, 2004
			Sep 6, 2004
			Nov 9, 2004
			May 11, 2004
			Sep 8
			Sep 5, 2004

Note.--Negative figures indicate reverse flow

02247258 LEHIGH CANAL NEAR FLAGLER BEACH, FL

LOCATION.--Lat 29° 29'50", long 81° 11'23", in NW¹/₄ sec.4, T.12 S., R.31 E., Flagler County, Hydrologic Unit 03080201, near center of channel on upstream side of bridge on Old Kings Road, 0.7 mi upstream from mouth at Graham Swamp, and 2.6 mi northwest of Flagler Beach.

DRAINAGE AREA.--21 mi².

PERIOD OF RECORD.--April 1998 to current year.

GAGE.--Water-stage recorder. Datum of gage is 8.54 ft above NGVD of 1929 (Levitt & Sons Engineering Dept. bench mark).

REMARKS.--Records fair. Flow affected at times by operation of control structure 0.70 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	104	15	18	12	11	16	61	16	29	55	48	24
2	93	15	16	11	11	13	50	16	23	37	51	25
3	83	14	15	11	12	12	128	13	19	34	40	23
4	77	13	15	11	12	12	62	18	19	113	45	22
5	73	14	14	10	11	24	37	73	20	189	49	27
6	70	13	14	10	10	48	30	70	19	76	61	78
7	65	12	13	9.8	9.9	24	59	38	17	53	58	380
8	58	12	13	9.5	9.3	3.9	137	29	19	107	92	223
9	57	13	12	9.4	9.1	26	53	25	23	142	62	410
10	71	13	14	9.2	9.2	35	28	23	20	123	51	257
11	68	12	15	9.3	8.4	4.3	25	23	134	117	41	144
12	66	13	12	9.2	7.7	4.0	24	29	146	113	34	113
13	59	13	11	9.0	7.4	5.0	24	31	84	86	29	95
14	51	18	11	20	7.4	5.7	23	30	46	73	27	82
15	46	23	11	24	8.8	6.5	21	24	37	70	27	73
16	41	20	11	21	18	7.6	18	22	61	65	24	64
17	37	17	12	19	15	8.8	16	30	74	56	22	56
18	34	15	12	17	11	9.4	15	39	40	50	28	51
19	33	14	12	16	9.3	8.5	16	23	33	45	40	45
20	31	13	12	13	8.2	6.8	16	12	28	39	30	41
21	28	13	10	15	7.9	6.1	15	14	25	35	31	50
22	24	12	10	16	21	7.8	15	13	28	31	25	59
23	24	11	10	15	41	12	15	12	26	28	22	55
24	23	10	12	13	4.8	11	14	13	24	25	20	45
25	22	56	13	12	3.4	91	13	13	24	23	20	37
26	21	34	20	11	3.9	169	13	13	22	20	20	32
27	19	24	16	12	23	81	20	16	22	19	19	28
28	18	25	14	11	33	49	20	17	23	18	19	26
29	17	20	13	11	---	46	15	18	43	22	20	25
30	17	18	13	12	---	33	14	18	89	30	23	24
31	16	---	12	12	---	40	---	25	---	40	20	---
TOTAL	1,446	515	406	400.4	343.7	826.4	997	756	1,217	1,934	1,098	2,614
MEAN	46.6	17.2	13.1	12.9	12.3	26.7	33.2	24.4	40.6	62.4	35.4	87.1
MAX	104	56	20	24	41	169	137	73	146	189	92	410
MIN	16	10	10	9.0	3.4	3.9	13	12	17	18	19	22
CFSM	2.22	0.82	0.62	0.62	0.58	1.27	1.58	1.16	1.93	2.97	1.69	4.15
IN.	2.56	0.91	0.72	0.71	0.61	1.46	1.77	1.34	2.16	3.43	1.95	4.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2005, BY WATER YEAR (WY)

MEAN	29.1	14.6	11.9	11.5	10.5	16.6	8.21	5.83	8.83	18.1	26.5	80.1
MAX	55.3	33.2	29.4	37.3	23.3	51.0	33.2	24.4	40.6	62.4	78.6	215
(WY)	(1999)	(2002)	(2003)	(2003)	(2004)	(2003)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	8.38	3.33	1.38	1.02	1.31	0.78	1.96	0.16	0.02	0.07	0.02	3.27
(WY)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2002)	(2000)	(2000)	(2000)	(2000)	(1999)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1998 - 2005

ANNUAL TOTAL	13,894.75		12,553.5		
ANNUAL MEAN	38.0		34.4		20.7
HIGHEST ANNUAL MEAN					37.5
LOWEST ANNUAL MEAN					7.98
HIGHEST DAILY MEAN	e1,020	Sep 6	410	Sep 9	e1,020
LOWEST DAILY MEAN	0.81	Apr 9	3.4	Feb 25	0.00
ANNUAL SEVEN-DAY MINIMUM	1.2	Apr 6	6.0	Mar 11	0.00
MAXIMUM PEAK FLOW			935	Sep 9	
MAXIMUM PEAK STAGE			8.06	Sep 9	9.46
INSTANTANEOUS LOW FLOW			3.3	Feb 25	
ANNUAL RUNOFF (CFSM)	1.81		1.64		0.987
ANNUAL RUNOFF (INCHES)	24.61		22.24		13.41
10 PERCENT EXCEEDS	85		73		43
50 PERCENT EXCEEDS	13		21		8.5
90 PERCENT EXCEEDS	3.1		10		0.74

02247509 ELEVENTH STREET CANAL AT HOLLY HILL, FL

LOCATION.--Lat 29° 14'44", long 81° 02'30", in SE 1/4 sec.35, T.14 S., R.32 E., Volusia County, Hydrologic Unit 03080201, near center of span on upstream side of bridge on U.S. Highway 1, 50 ft south of the intersection with LPGA Boulevard in Holly Hill, 0.3 mi upstream from mouth.

DRAINAGE AREA.--12.7 mi².

PERIOD OF RECORD.--December 2000 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Records poor. Flow is affected by tides in the Intracoastal Waterway.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	11	7.6	8.1	10	---	---	---	---	---	5.5	12
2	21	8.6	6.0	7.3	14	---	---	---	---	---	5.0	5.9
3	19	7.3	5.4	7.9	13	---	---	---	---	---	4.0	5.3
4	18	6.4	5.5	7.4	13	---	---	---	---	---	5.9	4.1
5	16	4.8	5.9	7.4	10	---	---	---	---	---	5.6	5.4
6	13	5.8	5.1	7.0	9.3	---	---	---	---	---	5.4	9.9
7	8.7	6.9	4.9	6.6	18	---	---	---	---	---	17	18
8	12	7.0	5.3	5.7	6.7	---	---	---	---	---	19	17
9	10	-10	5.3	5.3	14	---	---	---	---	---	13	42
10	12	1.9	5.4	4.9	15	---	---	---	---	---	16	41
11	14	4.5	6.5	5.3	14	---	---	---	---	---	13	24
12	14	7.4	5.2	7.7	13	---	---	---	---	---	9.3	16
13	11	6.3	5.5	5.4	11	---	---	---	---	---	6.9	16
14	7.1	3.2	4.9	33	10	---	---	---	---	---	8.0	13
15	11	2.0	4.6	16	7.0	---	---	---	---	---	12	15
16	11	16	5.3	33	5.5	---	---	---	---	---	8.1	13
17	7.5	5.5	5.0	25	5.1	---	---	---	---	---	6.0	11
18	5.1	6.0	5.0	20	4.4	---	---	---	---	---	3.4	8.8
19	6.3	8.1	6.6	17	7.0	---	---	---	---	---	4.4	9.2
20	9.6	7.9	5.0	15	5.2	---	---	---	---	---	5.2	7.6
21	4.9	6.8	4.6	14	4.5	---	---	---	---	---	4.1	15
22	-1.5	5.1	3.6	12	4.7	---	---	---	---	---	4.1	22
23	-5.5	5.6	24	12	3.6	---	---	---	---	---	3.5	17
24	2.6	5.8	17	12	4.2	---	---	---	---	---	3.3	14
25	2.0	8.6	12	13	6.0	---	---	---	---	---	-0.59	9.9
26	3.3	6.2	22	9.5	8.5	---	---	---	---	---	2.7	7.9
27	6.6	7.3	20	8.2	21	---	---	---	---	---	6.4	8.2
28	17	8.5	15	0.41	20	---	---	---	---	---	6.2	6.6
29	9.5	6.5	11	8.3	---	---	---	---	---	---	3.9	5.6
30	13	6.7	7.8	11	---	---	---	---	---	7.6	4.6	6.5
31	10	---	8.6	10	---	---	---	---	---	6.2	14	---
TOTAL	312.2	183.7	255.6	355.41	277.7	---	---	---	---	13.8	224.91	406.9
MEAN	10.1	6.12	8.25	11.5	9.92	---	---	---	---	6.90	7.26	13.6
MAX	24	16	24	33	21	---	---	---	---	7.6	19	42
MIN	-5.5	-10	3.6	0.41	3.6	---	---	---	---	6.2	-0.59	4.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	16.9	15.8	12.1	7.72	10.5	16.9	7.42	5.73	9.44	11.4	21.7	25.8
MAX	23.9	34.0	18.7	11.5	16.0	35.8	10.9	8.31	17.7	15.4	58.8	51.1
(WY)	(2004)	(2002)	(2003)	(2005)	(2004)	(2003)	(2003)	(2002)	(2002)	(2002)	(2004)	(2004)
MIN	10.1	6.12	8.08	2.73	2.91	9.19	3.23	2.85	6.02	9.65	7.26	10.9
(WY)	(2005)	(2005)	(2004)	(2001)	(2001)	(2004)	(2004)	(2004)	(2004)	(2001)	(2005)	(2003)

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR	FOR 2005 CALENDAR YEAR	#WATER YEARS 2001 - 2005
ANNUAL TOTAL	5,727.04		
ANNUAL MEAN	15.6		15.4
HIGHEST ANNUAL MEAN			17.3
LOWEST ANNUAL MEAN			13.4
HIGHEST DAILY MEAN	222	Aug 8	263
LOWEST DAILY MEAN	-10	Nov 9	-10
ANNUAL SEVEN-DAY MINIMUM	0.61	May 26	0.61
MAXIMUM PEAK STAGE			5.26
10 PERCENT EXCEEDS	33		27
50 PERCENT EXCEEDS	7.1		11
90 PERCENT EXCEEDS	2.0		4.6

Includes partial years record
Note.--Negative figures indicate reverse flow

02247510 TOMOKA RIVER NEAR HOLLY HILL, FL

LOCATION.--Lat 29° 13'02", long 81° 06'32", in NW 1/4 sec.9, T.15 S., R.32 E., Volusia County, Hydrologic Unit 03080201, near center of span on downstream side of bridge on LPGA Blvd., 0.3 mi southwest of Interstate Highway 95, 2 mi upstream from Priest Branch, 4.5 mi southwest of Holly Hill, and 12 mi upstream from mouth.

DRAINAGE AREA.--76.8 mi².

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005 DAILY MEAN VALUES

Table with 13 columns (DAY, OCT, NOV, DEC, JAN, FEB, MAR, APR, MAY, JUN, JUL, AUG, SEP) and 31 rows of daily mean discharge values. Summary statistics are provided at the bottom of the table.

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

Table with 13 columns representing months (OCT to SEP) and 4 rows of monthly mean statistics (MEAN, MAX, MIN, WY).

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1965 - 2005

Summary statistics table comparing 2004 calendar year, 2005 water year, and historical data from 1965-2005 across various metrics like annual total, mean, peak flow, etc.

e Estimated

* Feb 24, 25, 1968, Jun 26 to Jul 8, 1981

02247598 TOMOKA RIVER NEAR ORMOND BEACH, FL

LOCATION.--Lat 29° 20'26", long 81° 05'11", in NW 1/4 sec.42, T.13 S., R.32 E., Volusia County, Hydrologic Unit 03080201, attached to pier on right bank in the south picnic area of Tomoka State Park, 1.0 mi upstream from mouth, and 4.8 mi north of the City Hall in Ormond Beach.

DRAINAGE AREA.--101 mi².

PERIOD OF RECORD.--October 2000 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data collection platform. Datum of gage is at NGVD of 1929. Prior to Oct. 1, 2003 datum of gage was 1.26 ft above NGVD of 1929.

REMARKS.--Records fair. Discharge not published October 1, 2004 to December 15, 2004 due to bad velocity record. Flow affected by tides in the Intracoastal Waterway.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	185	-31	555	423	163	189	1,130	236	392
2	---	---	---	163	-68	187	483	72	182	1,010	264	260
3	---	---	---	115	78	189	430	34	228	998	270	234
4	---	---	---	169	182	104	315	337	444	998	359	274
5	---	---	---	131	-52	283	205	543	432	1,000	381	3.5
6	---	---	---	250	1.4	74	198	567	513	857	275	-134
7	---	---	---	163	285	176	456	850	476	763	379	612
8	---	---	---	201	290	340	647	703	314	708	506	719
9	---	---	---	200	429	150	457	423	330	533	659	603
10	---	---	---	160	441	193	253	287	222	750	668	807
11	---	---	---	222	250	415	368	311	424	857	574	731
12	---	---	---	309	258	411	399	315	2,560	737	473	241
13	---	---	---	322	222	399	539	269	3,310	618	395	470
14	---	---	---	617	297	289	155	168	2,240	568	391	284
15	---	---	---	-152	277	11	48	166	1,610	490	419	598
16	---	---	18	123	241	221	-30	127	1,530	536	377	590
17	---	---	94	316	188	e287	-63	117	1,270	487	356	424
18	---	---	96	139	53	99	196	136	1,090	426	312	347
19	---	---	243	104	222	132	283	96	907	423	289	403
20	---	---	147	375	176	161	159	87	763	444	359	208
21	---	---	155	261	256	e375	176	114	907	437	325	464
22	---	---	141	269	219	103	179	98	928	382	275	452
23	---	---	379	276	158	e403	353	551	891	354	306	477
24	---	---	85	41	239	294	206	303	727	293	304	507
25	---	---	-160	368	75	400	252	82	746	340	41	331
26	---	---	14	327	-111	484	369	342	707	280	-132	251
27	---	---	460	171	185	554	314	315	859	259	330	366
28	---	---	240	-263	745	836	190	192	729	204	434	244
29	---	---	328	515	---	636	227	131	680	281	191	243
30	---	---	232	491	---	373	354	132	1,010	236	235	435
31	---	---	255	92	---	364	---	122	---	224	434	---
TOTAL	---	---	---	6,660	5,505.4	9,498	8,541	8,153	27,218	17,623	10,685	11,836.5
MEAN	---	---	---	215	197	306	285	263	907	568	345	395
MAX	---	---	---	617	745	836	647	850	3,310	1,130	668	807
MIN	---	---	---	-263	-111	11	-63	34	182	204	-132	-134

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	51.7	55.2	91.0	174	137	239	122	103	313	256	184	270
MAX	145	165	176	215	197	387	285	263	907	568	345	597
(WY)	(2002)	(2002)	(2003)	(2005)	(2005)	(2003)	(2005)	(2005)	(2005)	(2005)	(2005)	(2001)
MIN	-28.6	-12.0	-81.9	121	27.1	61.8	21.9	5.48	66.2	111	40.0	-42.6
(WY)	(2001)	(2001)	(2004)	(2001)	(2002)	(2002)	(2003)	(2002)	(2002)	(2003)	(2003)	(2003)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 CALENDAR YEAR		#WATER YEARS 2001 - 2005	
ANNUAL MEAN	2,727		108,446.9			
ANNUAL MEAN	170		375		167	
HIGHEST ANNUAL MEAN					375	
LOWEST ANNUAL MEAN					12.5	
HIGHEST DAILY MEAN	460	Dec 27	3,310	Jun 13	3,310	Jun 13, 2005
LOWEST DAILY MEAN	-160	Dec 25	-263	Jan 28	-1,000	Mar 19, 2001
ANNUAL SEVEN-DAY MINIMUM	109	Dec 20	29	Jan 31	-248	Oct 18, 2000
MAXIMUM PEAK STAGE			2.54	Sep 9	4.63	Sep 5, 2004
10 PERCENT EXCEEDS	403		737		423	
50 PERCENT EXCEEDS	151		303		139	
90 PERCENT EXCEEDS	-38		92		-94	

e Estimated

* May have been exceeded during peaks in Sep 2004

Note.--Negative figures indicate reverse flow

Includes partial years record

02248000 SPRUCE CREEK NEAR SAMSULA, FL

(Former national stream-quality accounting network station)

LOCATION.--Lat 29° 03'01", long 81° 02'49", in SE 1/4 sec 1, T.17 S., R.32 E., Volusia County, Hydrologic Unit 03080201, on downstream side of bridge on County Road 4118 (revised), 1.8 mi north of Samsula, 8 mi west of New Smyrna Beach, 10 mi upstream from Turnbull Bay, and 13 mi upstream from mouth.

DRAINAGE AREA.--33.4 mi².

PERIOD OF RECORD.--May 1951 to current year.

REVISED RECORDS.--WSP 1624: 1958. WDR FL-75-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6.25 ft above NGVD of 1929 (Florida Department of Transportation bench mark). Prior to Nov. 13, 1971, at sites within 100 ft at same datum.

REMARKS.--Records fair. Some diversions for irrigation above station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	237	10	3.2	3.5	5.9	5.1	21	3.1	16	129	68	34
2	196	9.6	3.0	3.4	5.8	4.7	19	3.2	11	109	151	30
3	146	9.0	2.8	3.2	5.7	4.4	16	3.0	15	93	93	25
4	120	8.4	2.7	2.9	5.9	4.4	13	4.0	33	103	73	23
5	139	8.0	2.6	2.8	5.9	4.4	11	9.8	129	117	67	89
6	120	7.6	2.5	2.6	5.7	4.2	9.5	14	136	103	134	79
7	96	7.1	2.4	2.5	5.4	3.9	11	11	62	71	417	282
8	82	6.4	2.3	2.4	5.3	3.7	24	8.4	34	51	429	334
9	86	6.1	2.1	2.2	5.2	3.7	21	6.5	23	42	323	377
10	79	6.1	2.1	2.1	5.0	4.4	17	5.4	19	54	279	334
11	73	5.9	2.2	2.0	4.8	4.3	13	4.6	171	74	279	245
12	84	5.7	2.1	1.9	4.6	4.1	11	4.1	256	77	231	192
13	76	5.5	1.9	1.8	4.4	3.9	9.2	3.7	218	52	202	132
14	65	5.8	1.8	5.3	4.3	3.7	7.8	3.3	144	69	152	87
15	57	5.8	1.7	10	4.1	3.6	6.8	3.0	93	61	101	61
16	51	5.4	1.7	22	4.0	3.6	6.2	2.7	84	45	74	47
17	41	5.2	1.6	23	3.8	4.4	5.7	2.5	85	32	54	38
18	34	5.0	1.6	18	3.7	8.3	5.2	2.4	79	25	39	31
19	30	4.7	1.6	15	3.6	8.2	4.8	2.2	65	21	33	26
20	30	4.5	1.6	13	3.5	7.3	4.5	2.0	50	19	28	23
21	31	4.2	1.5	11	3.5	6.4	4.2	1.9	76	16	23	35
22	28	4.0	1.5	9.9	3.4	6.0	3.9	1.9	119	13	20	43
23	24	3.8	1.9	9.6	3.4	9.7	3.7	1.9	96	14	17	45
24	20	3.6	2.9	9.0	3.3	12	3.6	1.8	105	19	15	39
25	17	3.9	3.1	8.3	3.3	32	3.4	1.9	127	16	17	31
26	15	3.9	5.9	7.8	3.3	112	3.2	1.8	87	12	17	25
27	14	3.7	5.9	7.1	4.2	103	3.5	1.7	68	10	13	21
28	13	3.7	5.2	6.7	5.7	73	3.5	1.6	61	9.1	13	25
29	12	3.6	4.7	6.7	---	48	3.2	1.6	83	7.9	18	44
30	12	3.4	4.1	6.4	---	33	3.0	2.1	149	7.5	25	46
31	11	---	3.8	6.2	---	25	---	24	---	9.1	25	---
TOTAL	2,039	169.6	84.0	228.3	126.7	554.4	271.9	141.1	2,694	1,480.6	3,430	2,843
MEAN	65.8	5.65	2.71	7.36	4.53	17.9	9.06	4.55	89.8	47.8	111	94.8
MAX	237	10	5.9	23	5.9	112	24	24	256	129	429	377
MIN	11	3.4	1.5	1.8	3.3	3.6	3.0	1.6	11	7.5	13	21
CFSM	1.97	0.17	0.08	0.22	0.14	0.54	0.27	0.14	2.69	1.43	3.31	2.84
IN.	2.27	0.19	0.09	0.25	0.14	0.62	0.30	0.16	3.00	1.65	3.82	3.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

	MEAN	23.8	17.1	25.6	27.1	32.5	16.9	4.42	22.1	29.7	49.2	76.8
MAX	248	174	120	134	121	180	126	31.5	168	165	181	311
(WY)	(1970)	(1995)	(1984)	(1964)	(1978)	(2003)	(1983)	(1979)	(1976)	(1974)	(1976)	(2004)
MIN	0.57	0.77	0.48	0.44	0.49	0.40	0.21	0.24	0.15	0.72	0.44	0.48
(WY)	(1981)	(1981)	(1991)	(1991)	(1962)	(1962)	(1962)	(1951)	(1951)	(1951)	(1956)	(1956)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1951 - 2005
ANNUAL TOTAL	15,493.94	14,062.6	
ANNUAL MEAN	42.3	38.5	32.3
HIGHEST ANNUAL MEAN			72.9
LOWEST ANNUAL MEAN			2.90
HIGHEST DAILY MEAN	885	429	1,280
LOWEST DAILY MEAN	0.45	1.5	*0.00
ANNUAL SEVEN-DAY MINIMUM	0.46	May 28, 29, 31 May 25	0.04
MAXIMUM PEAK FLOW		528	1,610
MAXIMUM PEAK STAGE		11.17	15.49
INSTANTANEOUS LOW FLOW		1.5	
ANNUAL RUNOFF (CFSM)	1.27	1.15	0.967
ANNUAL RUNOFF (INCHES)	17.26	15.66	13.15
10 PERCENT EXCEEDS	120	107	86
50 PERCENT EXCEEDS	2.9	9.6	6.4
90 PERCENT EXCEEDS	0.66	2.5	0.96

*Apr 23-26, May 17, 1962
a Dec 21-23, May 30

02248053 SPRUCE CREEK NEAR NEW SMYRNA BEACH, FL

LOCATION.--Lat 29°04'21", long 80°59'25", in NW¹/₄ sec. 34, T. 16 S., R. 33 E., Volusia County, Hydrologic Unit 03080201, near left bank, 0.5 mi upstream from railroad crossing at Strickland Bay, 2.5 mi upstream from mouth, and 4.6 mi northwest of the City Hall in New Smyrna Beach.

DRAINAGE AREA.--60.7 mi².

PERIOD OF RECORD.--December 2000 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is undetermined.

REMARKS.--Records poor. Flow affected by tides in the Intracoastal Waterway.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	439	100	36	48	58	63	89	51	107	473	82	41
2	419	83	-17	35	51	44	46	6.1	59	380	310	-0.46
3	306	81	-27	33	23	12	45	-7.1	107	317	225	40
4	265	65	-12	26	-13	40	55	20	219	334	241	28
5	223	10	6.9	15	-60	18	38	33	265	266	182	124
6	178	98	-9.4	25	-51	7.4	-1.0	9.7	421	241	203	33
7	77	59	-7.1	25	-43	-10	-2.2	106	247	231	604	598
8	104	40	-11	2.7	-47	-25	52	113	185	160	899	774
9	108	-154	-10	5.6	-7.9	-23	15	75	156	138	779	935
10	125	31	12	-22	26	-48	98	96	100	261	686	1,070
11	108	37	-17	-16	53	31	104	88	464	238	568	666
12	66	42	-3.8	11	78	40	96	90	931	244	466	387
13	113	-62	15	25	64	30	24	94	1,080	189	386	259
14	65	-69	-32	126	78	1.1	9.2	81	772	189	286	128
15	103	69	24	11	0.84	-14	-1.7	95	573	209	189	171
16	128	117	49	376	-10	8.8	68	66	524	152	e100	128
17	137	67	52	309	-5.6	17	35	64	445	91	78	36
18	98	52	29	267	-19	-15	26	11	364	59	22	33
19	146	19	-1.5	177	19	4.8	23	-7.5	252	47	41	41
20	139	9.1	35	109	32	11	13	-12	182	35	80	24
21	90	21	55	55	15	0.38	12	-91	288	43	93	133
22	-2.5	-2.5	25	112	-33	-26	9.6	-46	455	63	114	165
23	41	4.6	49	38	-50	26	14	61	364	81	77	183
24	40	35	2.5	78	-62	-17	-60	-24	311	79	85	139
25	-1.9	51	-71	42	-122	66	24	-84	443	116	-6.5	96
26	5.0	-17	23	43	-38	228	78	114	413	106	23	54
27	44	25	158	24	-5.8	157	34	112	336	85	35	51
28	62	19	61	-76	51	287	87	50	349	51	22	26
29	5.9	16	73	115	---	177	54	26	371	50	13	57
30	53	19	64	74	---	163	43	33	617	48	11	66
31	136	---	58	28	---	125	---	114	---	36	40	---
TOTAL	3,819.5	865.2	608.6	2,121.3	-18.46	1,379.48	1,126.9	1,337.2	11,400	5,012	6,933.5	6,485.54
MEAN	123	28.8	19.6	68.4	-0.66	44.5	37.6	43.1	380	162	224	216
MAX	439	117	158	376	78	287	104	114	1,080	473	899	1,070
MIN	-2.5	-154	-71	-76	-122	-48	-60	-91	59	35	-6.5	-0.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

	79.2	62.7	32.8	72.5	50.3	115	5.36	-14.1	101	127	148	259
MEAN	79.2	62.7	32.8	72.5	50.3	115	5.36	-14.1	101	127	148	259
MAX	149	259	65.5	161	106	356	64.4	43.1	380	228	224	627
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)	(2001)	(2005)	(2005)	(2002)	(2005)	(2004)
MIN	-88.8	-42.9	-9.30	6.51	-0.66	-33.2	-39.9	-51.9	-17.6	5.49	-22.4	-128
(WY)	(2003)	(2004)	(2004)	(2004)	(2005)	(2004)	(2004)	(2002)	(2004)	(2003)	(2003)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2001 - 2005

ANNUAL TOTAL	28,290.76		41,070.76			
ANNUAL MEAN	77.3		113		77.8	
HIGHEST ANNUAL MEAN					113	
LOWEST ANNUAL MEAN					28.3	
HIGHEST DAILY MEAN	e1,850	Sep 6	1,080	Jun 13	2,770	Sep 15, 2001
LOWEST DAILY MEAN	-204	Sep 25	-154	Nov 9	-342	Mar 19, 2001
ANNUAL SEVEN-DAY MINIMUM	-104	Apr 15	-42	Feb 21	-192	Sep 15, 2003
MAXIMUM PEAK STAGE			3.42	Sep 8	*4.37	Sep 5, 2004
10 PERCENT EXCEEDS	264		324		263	
50 PERCENT EXCEEDS	23		52		36	
90 PERCENT EXCEEDS	-86		-12		-97	

e Estimated

* May have been higher during period of missing record on Sep 5, 2004

Note.--Negative figures indicate reverse flow

02248060 TURNBULL CREEK NEAR NEW SMYRNA BEACH, FL

LOCATION.--Lat 29° 03' 03", long 80° 57' 35", in SW 1/4 sec. 40, T. 17 S., R. 33 E., Volusia County, Hydrologic Unit 03080201, near left bank, 75 ft upstream from Turnbull Bay Road, 1.9 mi northwest of the intersection of Turnbull Bay Road and U.S. Highway 1, 2.0 mi upstream from mouth, and 2.8 mi northwest of the City Hall in New Smyrna Beach.

DRAINAGE AREA.--11.3 mi².

PERIOD OF RECORD.--October 2000 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929. Prior to Oct. 1, 2004, datum of gage was 10.30 ft above NGVD of 1929.

REMARKS.--Records poor. Discharge not published Feb. 8, 9, due to bad velocity record. Flow affected by tides in the Intracoastal Waterway.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	67	31	7.5	45	46	17	-14	17	24	-14	21
2	136	53	17	6.7	72	1.2	2.8	-19	1.9	13	-14	1.1
3	120	52	12	2.8	62	-4.4	0.84	-12	14	9.7	-15	50
4	115	55	22	3.2	57	-9.7	-5.2	17	16	-0.17	11	46
5	102	39	13	2.6	80	0.71	-15	10	13	4.5	1.6	86
6	98	90	4.4	-1.5	89	-12	-18	49	19	1.3	18	116
7	103	58	5.9	0.68	79	-14	-13	52	12	12	77	195
8	143	47	4.9	-4.2	---	-13	-0.22	25	13	2.4	104	194
9	136	20	0.59	-3.5	---	-23	-10	8.0	13	13	95	240
10	128	158	8.8	-1.4	26	-14	36	18	5.6	50	76	239
11	130	121	5.3	9.0	44	9.4	48	14	50	20	45	192
12	107	85	6.5	25	40	11	37	10	49	12	29	166
13	146	18	14	43	31	10	18	7.9	27	8.9	11	156
14	106	82	-17	32	28	2.6	-18	-8.1	22	-4.5	2.6	145
15	108	147	-0.88	16	3.8	-32	36	2.8	12	-6.0	1.7	143
16	103	132	37	181	-7.1	2.5	58	-6.4	0.96	-13	-6.6	110
17	69	84	33	94	-9.6	-10	58	-16	-5.5	-18	-8.7	89
18	61	74	25	52	-26	34	39	-23	-0.92	-18	-11	105
19	62	53	18	47	-1.0	5.1	4.5	-22	-7.2	-22	9.2	108
20	67	32	4.6	20	-0.21	-2.7	-11	-15	5.0	-18	30	137
21	59	19	2.1	18	-8.3	-2.6	-12	-35	45	-17	43	150
22	75	18	-5.8	18	-10	-13	-13	30	50	-9.3	42	137
23	207	29	14	12	-28	9.2	-8.4	41	45	13	32	115
24	221	26	-4.2	26	-24	-2.9	-29	-1.5	29	16	23	93
25	167	24	-4.8	18	-48	0.53	-3.1	1.1	93	43	20	72
26	191	12	94	18	40	23	9.6	77	95	26	75	66
27	213	37	81	-12	64	42	-8.2	53	52	-3.5	59	64
28	184	30	46	39	75	90	1.1	22	11	-18	31	58
29	111	32	38	84	---	34	12	12	12	-18	23	74
30	118	28	30	40	---	25	-2.7	5.6	30	-15	25	60
31	104	---	24	44	---	14	---	33	---	-16	32	---
TOTAL	3,821	1,722	559.41	836.88	673.59	206.94	211.02	316.4	738.84	72.33	846.8	3,428.1
MEAN	123	57.4	18.0	27.0	25.9	6.68	7.03	10.2	24.6	2.33	27.3	114
MAX	221	158	94	181	89	90	58	77	95	50	104	240
MIN	59	12	-17	-12	-48	-32	-29	-35	-7.2	-22	-15	1.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	112	81.1	30.7	18.8	15.0	41.4	16.2	8.57	14.5	17.3	41.7	163
MAX	156	178	51.2	36.7	49.4	121	38.2	10.2	30.5	44.9	72.8	308
(WY)	(2002)	(2002)	(2002)	(2003)	(2004)	(2003)	(2003)	(2005)	(2002)	(2002)	(2004)	(2004)
MIN	56.9	21.3	1.96	-16.3	-21.8	6.68	-4.82	7.23	-4.80	2.33	6.02	54.4
(WY)	(2003)	(2001)	(2001)	(2001)	(2001)	(2005)	(2001)	(2001)	(2001)	(2005)	(2003)	(2002)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2004 CALENDAR YEAR

WATER YEARS 2001 - 2005

ANNUAL TOTAL	22,223.98	13,433.31	
ANNUAL MEAN	60.7	37.0	47.3
HIGHEST ANNUAL MEAN			68.5
LOWEST ANNUAL MEAN			34.3
HIGHEST DAILY MEAN	1,790	Sep 6	240
LOWEST DAILY MEAN	-43	May 4	-48
ANNUAL SEVEN-DAY MINIMUM	-8.5	May 27	-17
MAXIMUM PEAK STAGE			3.65
10 PERCENT EXCEEDS	136		111
50 PERCENT EXCEEDS	26		20
90 PERCENT EXCEEDS	0.57		-13

Note.--Negative figures indicate reverse flow

02248380 HAULOVER CANAL NEAR MIMS, FL

LOCATION.--Lat 28° 44'10", long 80° 45'18", in SE $\frac{1}{4}$ sec. 19, T. 20 S., R. 36 E., Brevard County, Hydrologic Unit 03080202, under the bridge on Kennedy Parkway, 8.7 mi south of the intersection of U.S. Highway 1 and Kennedy Parkway, and 7.3 mi northeast of Mims.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1995 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,210	3,440	235	-230	-4,600	-2,810	3,070	576	2,810	882	120	678
2	2,080	3,330	-170	589	-4,290	-2,090	239	-4,320	3,130	1,510	-862	-1,520
3	1,390	924	-2,690	122	-501	-2,020	-2,790	-1,550	2,160	842	-1,640	-2,430
4	381	2,770	-1,450	38	-9,030	-2,950	273	-237	2,220	1,780	-1,150	-2,200
5	844	-2,730	-315	1,610	-8,070	2,020	1,850	746	1,450	1,760	226	-2,460
6	701	-4,440	1,740	1,360	-4,540	75	4,040	-5,200	1,500	2,080	-320	-4,690
7	-2,070	-1,280	1,600	958	-2,330	1,900	6,130	-2,430	1,890	2,690	-950	-6,840
8	1,000	-102	1,370	627	-2,750	2,530	-557	1,990	2,920	3,200	596	-10,700
9	1,030	-3,810	2,620	-591	858	-4,350	-4,150	1,380	2,150	4,130	827	-8,320
10	2,210	-1,480	3,390	-731	-1,150	-1,910	-4,650	1,240	3,560	6,860	1,500	-7,160
11	2,100	2,590	-1,500	-1,170	-4,860	2,690	220	1,780	7,170	2,590	1,240	-5,410
12	1,550	1,570	-1,570	1,980	-1,460	-179	3,040	-1,560	5,440	-861	745	-3,150
13	109	-1,520	866	3,930	2,140	1,960	1,670	-58	3,040	2,000	-213	-1,080
14	-392	-5,100	-3,350	522	2,650	1,360	-4,300	2,590	1,290	2,580	1,400	-1,530
15	1,490	-1,630	-6,520	-7,690	1,220	-2,590	-8,000	1,270	2,360	2,450	973	728
16	-1,170	-1,400	-2,870	-10,700	1,860	891	-9,070	2,210	415	1,320	1,520	1,270
17	1,100	-3,280	-2,290	-8,350	-1,170	-976	-8,380	1,660	1,500	348	1,420	970
18	3,870	948	-2,300	-7,450	-5,750	-5,390	-5,380	-676	-186	1,300	1,100	-408
19	2,740	409	-1,270	-3,150	-1,860	-3,460	131	-545	-1,440	1,480	70	-2,420
20	580	1,540	-3,730	-620	3,830	-181	1,280	1,850	-1,340	298	-807	-1,110
21	-2,420	90	257	-619	3,040	1,570	411	-1,430	914	343	-816	4,330
22	-5,030	690	1,290	1,500	1,230	3,780	1,150	-3,120	-411	-688	550	3,780
23	-5,160	1,730	1,770	-4,450	305	2,480	2,230	1,290	-642	-1,300	470	2,830
24	-3,290	4,210	-3,950	-5,790	1,710	-639	-2,130	-93	-1,120	-4,090	-1,600	795
25	-2,880	839	-4,260	-200	-3,700	1,480	-92	-4,330	1,060	-2,500	-3,980	734
26	-3,300	-3,570	-2,510	545	-6,050	-435	3,240	-1,240	3,220	388	3,400	2,460
27	-2,930	2,880	-7,440	-1,520	2,730	3,580	2,210	607	1,880	1,980	2,260	1,660
28	-1,650	-2,090	-3,080	-4,080	-390	2,040	-2,870	265	2,280	2,140	2,590	240
29	132	-597	-959	1,880	---	-1,870	3,040	-884	1,700	3,120	3,990	140
30	725	1,880	-181	-1,530	---	1,030	5,450	1,050	567	712	727	-553
31	301	---	1,080	-5,620	---	3,510	---	1,640	---	414	-535	---
TOTAL	-2,749	-3,189	-36,187	-48,830	-40,928	1,046	-12,695	-5,529	51,487	39,758	12,851	-41,366
MEAN	-88.7	-106	-1,167	-1,575	-1,462	33.7	-423	-178	1,716	1,283	415	-1,379
MAX	3,870	4,210	3,390	3,830	3,780	3,780	6,130	2,590	7,170	6,860	3,990	4,330
MIN	-5,160	-5,100	-7,440	-10,700	-9,030	-5,390	-9,070	-5,200	-1,440	-4,090	-3,980	-10,700

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2005, BY WATER YEAR (WY)

MEAN	-645	-602	-759	-673	-621	-144	260	370	867	761	240	234
MAX	939	571	506	144	416	643	858	1,455	1,716	1,283	864	2,139
(WY)	(2000)	(1999)	(1996)	(1998)	(1998)	(2002)	(2002)	(2003)	(2005)	(2005)	(2001)	(1996)
MIN	-1,621	-1,250	-1,176	-1,575	-1,643	-758	-423	-616	-1,352	147	-576	-1,646
(WY)	(2001)	(2000)	(1997)	(2005)	(2004)	(2003)	(2005)	(1998)	(1996)	(1998)	(1998)	(2003)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1996 - 2005

ANNUAL TOTAL	-17,510.9	-86,331				
ANNUAL MEAN	-47.8	-237				
HIGHEST ANNUAL MEAN			271	2002		
LOWEST ANNUAL MEAN			-247	1997		
HIGHEST DAILY MEAN	12,000	Sep 6	7,170	Jun 11	12,000	Sep 6, 2004
LOWEST DAILY MEAN	-9,580	Sep 4	-10,700	Jan 16, Sep 8	a-10,700	
ANNUAL SEVEN-DAY MINIMUM	-4,870	Sep 19	-6,610	Sep 6	-6,610	Sep 6, 2005
MAXIMUM PEAK STAGE			1.74	Sep 16,22	2.32	Oct 17, 1999
10 PERCENT EXCEEDS	2,720		2,820		2,590	
50 PERCENT EXCEEDS	275		343		206	
90 PERCENT EXCEEDS	-3,580		-4,310		-3,130	

Note.--Negative figures indicate reverse flow
a Jan 16, 2005, Sep 8, 2005

02248380 HAULOVER CANAL NEAR MIMS, FL

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (TOP): April 1998 to current year.
 SPECIFIC CONDUCTANCE (BOTTOM): April 1998 to September 2000.
 WATER TEMPERATURE (TOP): April 1998 to current year.
 WATER TEMPERATURE (BOTTOM): April 1998 to September 2000.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Extremes for current year and extremes for period of daily record are based on recorded values and may have been exceeded during periods of no record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (TOP): Maximum daily mean, 63,500 $\mu\text{S}/\text{cm}$ @ 25 °C, June 9, 2001; minimum daily mean, 29,200 $\mu\text{S}/\text{cm}$ @ 25 °C, Oct. 15, 2004.
 WATER TEMPERATURE (TOP): Maximum daily mean, 32.6 °C, July 22, Aug. 21, 2005; minimum daily mean, 8.9 °C, Jan. 5, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE (TOP): Maximum daily mean, 50,000 $\mu\text{S}/\text{cm}$ @ 25 °C, Feb. 4; minimum daily mean, 29,200 $\mu\text{S}/\text{cm}$ @ 25 °C, Oct. 15.
 WATER TEMPERATURE (TOP): Maximum daily mean, 32.6 °C, July 22, Aug. 21; minimum daily mean, 12.2 °C, Dec. 21.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31,200	33,000	36,400	44,300	49,600	46,900	42,200	45,400	46,800	40,300	40,500	40,700
2	31,400	31,500	36,600	43,300	49,800	46,900	42,400	46,000	46,100	40,000	41,500	40,800
3	31,700	32,200	37,400	43,600	49,300	47,100	43,400	46,600	46,000	40,100	42,200	42,000
4	32,200	31,600	39,100	43,500	50,000	47,800	42,800	46,500	45,400	39,500	42,800	42,500
5	32,100	33,800	39,000	42,500	49,500	46,500	---	45,300	45,300	39,400	42,800	43,600
6	32,000	36,800	36,000	41,400	49,300	46,400	---	46,900	45,200	39,500	42,500	44,900
7	34,300	37,000	35,900	41,700	49,900	46,500	42,400	47,600	45,200	39,600	43,100	45,700
8	33,700	35,100	35,900	41,800	49,300	46,800	41,400	47,200	45,100	39,400	42,600	46,100
9	32,400	37,200	35,400	42,600	48,500	47,400	42,500	46,700	44,900	39,100	42,300	44,500
10	31,400	38,500	34,700	43,100	48,000	47,600	43,100	46,800	44,000	38,500	41,100	45,500
11	30,400	---	36,000	44,700	47,100	46,200	43,700	46,600	43,100	38,000	40,200	46,200
12	30,500	---	37,900	43,000	47,400	46,200	43,200	47,000	42,700	38,500	40,400	45,500
13	31,000	---	35,400	41,500	45,800	45,900	42,300	47,300	42,900	38,100	41,300	44,200
14	31,900	---	37,500	40,000	46,700	46,600	43,800	46,700	43,100	38,300	40,100	43,700
15	29,200	e40,600	40,500	42,800	46,800	47,100	44,800	46,400	42,600	38,200	40,800	44,100
16	32,500	41,200	41,100	44,300	46,800	47,000	45,500	45,900	42,600	38,000	39,900	43,600
17	29,900	41,400	42,300	45,500	46,600	46,000	46,000	46,000	42,600	38,200	39,600	44,000
18	29,900	39,800	43,200	46,100	47,500	46,400	47,400	46,200	42,800	38,200	39,400	44,400
19	29,900	39,100	42,600	46,300	48,200	47,100	47,700	47,100	43,500	38,200	40,200	45,000
20	29,800	37,400	42,800	45,700	47,500	46,900	47,400	46,800	43,400	38,800	41,400	46,200
21	30,900	38,100	42,200	44,400	46,700	46,900	46,600	46,600	43,600	39,400	42,600	44,200
22	31,500	38,100	41,100	43,000	46,700	46,100	46,500	47,700	43,800	40,200	41,900	43,600
23	32,500	37,400	39,800	45,100	46,900	45,300	45,900	48,000	43,900	40,200	42,100	43,100
24	33,300	35,100	43,400	e46,100	46,900	45,500	45,900	47,800	43,900	40,900	42,600	43,100
25	34,000	35,600	44,500	---	47,400	44,300	45,800	48,500	43,100	41,500	44,500	43,400
26	35,100	38,100	45,400	e43,400	48,100	42,900	45,800	49,900	41,500	41,700	42,600	42,800
27	---	36,700	47,100	44,300	47,800	42,800	45,600	49,900	41,500	41,400	40,900	42,700
28	e36,600	36,000	47,400	48,100	46,800	43,200	45,900	49,500	41,100	41,000	39,400	42,500
29	36,200	37,900	48,000	46,900	---	43,800	46,100	49,300	40,800	39,700	39,000	42,500
30	34,700	36,400	46,100	45,800	---	43,100	46,000	49,400	40,700	39,700	39,500	42,800
31	34,700	---	44,700	48,700	---	42,000	---	48,700	---	40,100	41,400	---
MEAN	---	---	40,500	---	47,900	45,800	---	47,300	43,600	39,500	41,300	43,800
MAX	---	---	48,000	---	50,000	47,800	---	49,900	46,800	41,700	44,500	46,200
MIN	---	---	34,700	---	45,800	42,000	---	45,300	40,700	38,000	39,000	40,700

e Estimated

02248380 HAULOVER CANAL NEAR MIMS, FL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.1	25.6	21.3	17.1	15.7	18.5	24.3	23.8	26.0	29.0	31.4	30.1
2	28.2	25.6	21.3	17.7	15.9	16.6	23.9	23.8	25.6	29.4	31.5	30.3
3	28.6	26.0	19.5	18.7	16.6	15.0	21.3	24.5	25.7	29.4	31.6	30.2
4	28.8	26.3	17.9	19.4	15.3	14.6	20.6	24.0	25.6	29.7	31.6	29.0
5	28.6	25.2	17.5	20.2	13.7	15.7	---	23.4	26.4	30.8	31.7	28.1
6	27.7	22.8	18.6	20.8	14.4	16.8	---	22.5	27.4	31.1	31.1	27.3
7	25.4	22.2	20.1	21.1	15.7	17.8	22.5	22.0	28.6	31.1	31.6	26.6
8	24.7	21.8	21.2	21.7	16.6	18.1	22.8	23.2	29.3	31.1	31.2	25.9
9	25.3	21.4	22.1	22.1	17.9	16.1	22.9	24.1	28.8	30.3	31.3	25.8
10	25.8	20.4	21.9	22.3	18.3	15.2	22.8	24.6	27.8	28.4	31.1	26.4
11	25.6	---	20.5	22.1	15.1	15.8	22.8	24.7	27.1	28.4	31.4	27.2
12	25.1	---	17.0	22.0	13.9	17.0	23.4	25.5	27.4	29.8	31.2	27.6
13	25.5	---	15.7	22.1	13.9	17.6	23.3	26.5	28.2	30.1	31.5	28.0
14	25.0	---	15.7	21.4	15.5	19.4	22.2	25.9	29.2	30.5	31.1	27.6
15	24.3	e21.0	12.7	19.7	16.8	20.3	19.9	26.1	29.4	30.8	31.1	28.2
16	22.2	20.7	13.1	17.7	18.8	21.2	18.8	26.2	28.9	31.1	31.7	28.6
17	22.1	20.5	14.4	14.4	19.9	20.9	18.5	27.1	28.6	31.4	32.0	28.9
18	23.3	20.5	15.5	12.6	18.0	18.1	19.6	27.6	29.0	31.3	31.9	29.4
19	24.6	20.9	15.4	13.1	16.0	16.8	21.2	27.8	29.4	31.5	32.0	29.5
20	25.4	21.7	12.8	13.6	17.2	17.9	22.1	27.6	29.1	31.8	32.2	28.2
21	25.6	22.4	12.2	14.1	18.3	18.8	23.0	27.4	28.9	32.2	32.6	27.7
22	25.0	22.7	13.7	15.3	19.7	20.3	23.8	27.3	28.9	32.6	32.2	27.3
23	24.2	22.9	15.5	14.8	20.6	21.9	23.3	28.1	28.8	32.0	31.8	27.6
24	23.7	23.1	15.8	---	20.7	21.5	22.2	27.9	27.2	31.3	31.9	28.2
25	24.2	22.7	14.8	---	20.5	21.6	20.6	26.8	27.3	31.3	30.5	28.4
26	24.0	20.2	14.5	e13.4	19.5	21.7	21.1	25.0	28.7	31.6	29.8	28.3
27	---	20.2	12.5	14.7	19.8	22.9	22.0	25.5	29.1	31.7	30.1	28.8
28	e23.7	20.6	13.2	15.2	19.8	23.0	22.5	27.0	28.9	31.8	30.1	28.8
29	24.1	20.3	14.4	15.6	---	21.8	23.4	27.8	28.7	31.6	30.4	28.8
30	24.7	20.7	15.8	16.5	---	21.9	23.9	28.5	28.7	31.3	30.6	29.3
31	25.1	---	16.3	16.0	---	22.9	---	27.3	---	31.2	30.6	---
MEAN	---	---	16.5	---	17.3	19.0	---	25.8	28.1	30.8	31.3	28.2
MAX	---	---	22.1	---	20.7	23.0	---	28.5	29.4	32.6	32.6	30.3
MIN	---	---	12.2	---	13.7	14.6	---	22.0	25.6	28.4	29.8	25.8

e Estimated

02249007 EAU GALLIE RIVER AT HEATHER GLEN CIRCLE AT MELBOURNE, FL

LOCATION.--Lat 28°07'36", long 80°38'49", in NW¹/₄ sec.20, T.27 S., R.37 E., Brevard County, Hydrologic Unit 03080202, on right bank, 0.2 mi upstream from concrete spillway, 0.7 mi north of Sarno Road, 1.7 mi upstream from mouth, and 3.8 mi northwest of Melbourne.

DRAINAGE AREA.--3.8 mi².

PERIOD OF RECORD.--January 1991 to current year.

GAGE.--Water-stage recorder and concrete weir. Datum of gage is 10.00 ft below NGVD of 1929.

REMARKS.--Records poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	19	5.6	5.2	6.8	13	9.5	5.1	68	36	24	19
2	32	20	4.1	5.2	8.2	9.7	20	5.2	18	26	15	43
3	31	19	4.3	5.7	10	13	13	5.6	12	23	7.2	23
4	32	19	4.1	5.5	8.7	13	12	17	14	22	5.9	15
5	35	22	4.1	5.8	9.1	12	12	15	30	21	18	28
6	68	20	4.4	6.6	6.0	13	13	14	29	21	13	43
7	34	19	4.6	7.4	4.7	13	22	9.4	14	23	25	35
8	28	18	4.8	7.8	6.6	14	19	8.1	8.0	24	15	41
9	26	21	5.6	6.6	7.4	25	16	6.5	9.4	26	9.4	30
10	26	16	12	5.8	7.5	20	14	5.3	9.5	36	8.5	24
11	28	13	5.1	5.6	6.6	16	14	5.7	33	21	9.9	22
12	29	14	4.5	4.7	9.2	15	14	5.8	16	17	10	22
13	22	13	4.6	6.6	7.6	14	14	6.5	13	13	8.7	21
14	15	12	4.6	29	8.7	17	12	6.6	13	13	15	21
15	16	11	4.4	13	9.3	14	11	11	17	12	10	21
16	13	11	4.9	8.4	11	17	12	6.2	44	11	9.5	21
17	16	11	5.8	6.5	12	52	13	5.9	45	12	11	21
18	17	14	10	5.8	10	29	11	6.5	39	12	12	21
19	18	14	8.5	5.8	2.5	17	5.9	6.5	39	12	12	31
20	18	12	7.7	5.8	2.2	14	4.6	6.7	42	12	10	20
21	15	6.7	7.7	5.9	2.5	14	5.0	7.2	40	12	9.6	119
22	21	7.3	8.3	7.4	3.9	13	6.2	6.2	42	12	6.7	68
23	28	7.2	8.2	9.5	5.7	9.1	7.9	6.1	41	11	4.1	58
24	21	3.8	10	9.3	8.1	9.1	8.1	6.6	113	12	5.0	29
25	20	8.4	49	10	8.5	13	8.4	7.8	89	11	10	22
26	20	10	30	11	9.2	19	9.7	6.2	42	8.1	7.1	19
27	18	9.1	20	11	68	15	23	5.6	21	9.4	5.8	17
28	18	8.7	17	11	34	11	12	5.2	19	9.9	7.3	17
29	20	6.5	17	11	---	9.9	7.5	4.6	36	9.5	7.3	18
30	19	6.5	16	11	---	10	4.7	3.4	43	7.1	9.8	17
31	19	---	11	10	---	9.9	---	25	---	7.8	12	---
TOTAL	759	392.2	307.9	259.9	294.0	483.7	354.5	242.5	998.9	502.8	333.8	906
MEAN	24.5	13.1	9.93	8.38	10.5	15.6	11.8	7.82	33.3	16.2	10.8	30.2
MAX	68	22	49	29	68	52	23	25	113	36	25	119
MIN	13	3.8	4.1	4.7	2.2	9.1	4.6	3.4	8.0	7.1	4.1	15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2005, BY WATER YEAR (WY)

	20.1	11.6	9.65	8.36	8.03	9.75	7.64	6.47	13.7	14.4	18.6	24.3
MEAN	20.1	11.6	9.65	8.36	8.03	9.75	7.64	6.47	13.7	14.4	18.6	24.3
MAX	45.0	33.5	33.2	24.8	27.6	19.7	12.2	14.8	33.3	30.5	52.5	56.8
(WY)	(2000)	(1995)	(2003)	(1998)	(1998)	(1998)	(2003)	(1991)	(2005)	(2001)	(1995)	(2004)
MIN	8.15	4.72	3.19	2.83	2.90	4.57	3.53	2.61	3.34	3.35	4.24	7.69
(WY)	(1994)	(1996)	(2001)	(2001)	(2001)	(2002)	(1999)	(2002)	(1993)	(1993)	(1993)	(1993)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1991 - 2005

ANNUAL TOTAL	5,277.6	5,835.2	
ANNUAL MEAN	14.4	16.0	12.7
HIGHEST ANNUAL MEAN			17.7
LOWEST ANNUAL MEAN			7.88
HIGHEST DAILY MEAN	266	Sep 26	119
LOWEST DAILY MEAN	2.7	Jan 26	2.2
ANNUAL SEVEN-DAY MINIMUM	2.8	Apr 3	4.3
MAXIMUM PEAK FLOW			249
MAXIMUM PEAK STAGE			14.64
INSTANTANEOUS LOW FLOW			2.1
10 PERCENT EXCEEDS	30		30
50 PERCENT EXCEEDS	7.2		12
90 PERCENT EXCEEDS	3.6		5.6
			16.70
			Aug 2, 1995
			Aug 19, 1996
			Nov 9, 2002
			Aug 2, 1995

a From rating curve extended above 298 ft³/s

02249500 CRANE CREEK AT MELBOURNE, FL

LOCATION.--Lat 28°04'45", long 80°37'47", in NE¹/₄ sec. 4, T. 28 S., R. 37 E., Brevard County, Hydrologic Unit 03080202, in the center of the channel on the downstream side of wooden foot bridge, approximately 750 ft upstream of U.S. Highway 192, 1.5 mi west of the City Hall in Melbourne, Brevard County, and 2.5 mi upstream from Indian River.

DRAINAGE AREA.--12.6 mi².

PERIOD OF RECORD.--April 1951 to June 1968, February 2003 to current year.

REVISED RECORDS.--WDR FL-05-1: 2004, 2004 (M).

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929. April 1951 to June 1968 water-stage recorder near present site at datum 4.46 ft higher.

REMARKS.--Records poor.

REVISIONS.--The maximum peak flow for water year 2004 has been revised to 831 ft³/s, Sept. 26, 2004. Revised daily discharges, in cubic feet per second, for some days in September 2004, are given below. These figures supersede those published in the report for 2004. Sept. 5, 502 cfs, Sept. 6, 266 cfs, Sept. 26, 568 cfs.

			TOTAL	MEAN	MAX	MIN						
	September 2004	2004	2,988	99.6	568	28						
	Water Yr	2004	6,781	18.5	568	4.2						
DISCHARGE, CUBIC FEET PER SECOND												
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005												
DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	18	13	14	11	24	18	16	104	44	e26	28
2	49	17	13	13	11	21	19	16	36	43	e24	49
3	45	16	12	13	12	19	18	16	24	69	e23	31
4	41	16	12	13	11	19	17	41	29	51	19	20
5	38	16	12	13	11	18	16	33	40	36	23	22
6	170	16	12	13	11	17	16	24	104	32	21	37
7	85	15	12	13	11	16	28	18	39	34	47	41
8	54	14	12	13	11	16	29	17	27	31	56	42
9	45	17	12	13	11	23	19	16	31	33	26	36
10	39	17	14	13	11	23	17	16	30	74	20	26
11	36	15	14	13	11	18	17	15	67	44	23	21
12	37	15	12	13	11	17	16	15	36	36	22	19
13	35	14	12	13	11	16	17	14	26	34	18	17
14	31	15	12	38	11	19	16	15	24	35	17	16
15	33	14	12	19	11	20	16	17	35	31	16	16
16	30	14	12	15	11	19	16	16	50	28	15	15
17	28	14	12	14	11	61	16	16	30	27	15	15
18	27	14	14	13	11	40	15	15	26	25	15	14
19	26	14	13	13	11	24	15	15	27	24	14	14
20	27	13	12	13	11	21	15	15	25	24	14	14
21	28	13	12	12	11	20	16	14	32	23	18	e150
22	28	13	12	12	11	20	16	14	45	22	20	e120
23	41	13	12	13	11	19	16	14	52	22	15	e33
24	27	13	12	12	11	18	16	14	109	21	15	23
25	23	14	58	12	11	23	15	15	78	21	17	18
26	22	13	36	12	11	33	15	16	47	20	19	17
27	21	13	17	12	125	24	29	15	39	19	15	15
28	20	13	16	11	80	21	18	15	39	19	16	32
29	19	13	15	12	---	19	16	15	41	18	21	25
30	19	13	14	12	---	19	16	15	44	19	32	16
31	18	---	14	11	---	19	---	46	---	26	22	---
TOTAL	1,198	435	467	426	492	686	529	559	1,336	985	664	942
MEAN	38.6	14.5	15.1	13.7	17.6	22.1	17.6	18.0	44.5	31.8	21.4	31.4
MAX	170	18	58	38	125	61	29	46	109	74	56	150
MIN	18	13	12	11	11	16	15	14	24	18	14	14

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

MEAN	28.3	14.4	10.2	10.4	12.3	14.1	10.1	8.68	19.6	15.7	19.9	31.2
MAX	89.9	35.1	23.2	21.6	27.7	37.0	17.6	18.0	73.0	40.8	49.0	99.6
(WY)	(1954)	(1954)	(1954)	(1964)	(1966)	(1960)	(2005)	(2005)	(1968)	(1960)	(1966)	(2004)
MIN	9.27	5.95	5.30	5.78	4.95	5.49	4.89	3.97	3.04	5.65	5.00	8.08
(WY)	(1962)	(1956)	(1957)	(1962)	(1962)	(1968)	(1962)	(1962)	(1951)	(1952)	(1956)	(1956)

02249500 CRANE CREEK AT MELBOURNE, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1951 - 2005	
ANNUAL TOTAL	7,902.2		8,708		16.2	
ANNUAL MEAN	21.6		23.9		25.1	
HIGHEST ANNUAL MEAN					6.37	1960
LOWEST ANNUAL MEAN					568	Sep 26, 2004
HIGHEST DAILY MEAN	568	Sep 26	170	Oct 6	1.8	Jun 26, 1951
LOWEST DAILY MEAN	4.2	May 31	*11		2.0	Jun 23, 1951
ANNUAL SEVEN-DAY MINIMUM	4.4	May 25	11	Feb 4	831	Sep 26, 2004
MAXIMUM PEAK FLOW			443	Feb 27	13.64	Sep 26, 2004
MAXIMUM PEAK STAGE			10.39	Feb 27		
INSTANTANEOUS LOW FLOW			*11			
10 PERCENT EXCEEDS	38		41		31	
50 PERCENT EXCEEDS	10		17		9.9	
90 PERCENT EXCEEDS	7.0		12		5.5	

e Estimated

* Many days in Jan, Feb

02250030 TURKEY CREEK AT PALM BAY, FL

LOCATION.--Lat 28°01'00", long 80°35'46", in SE $\frac{1}{4}$ sec.26, T.28 S., R.37 E., Brevard County, Hydrologic Unit 03080202, near right bank on downstream side of bridge on Port Malabar Boulevard, 1.6 mi southwest of the intersection of U.S. Highway 1 and State Highway 516 in Palm Bay, and 2.0 mi upstream from mouth.

DRAINAGE AREA.--105 mi², approximately.

PERIOD OF RECORD.--February 1981 to September 1983, October 1983 to December 1986 (gage heights only), January 1987 to September 1988 (fragmentary), October 1988 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is 5.00 ft below NGVD of 1929. Prior to Oct. 1, 1986 at datum 5.00 ft higher.

REMARKS.--Records fair. A maximum stage, 8.32 ft, occurred Oct. 1, stage falling, peak occurred on Sept. 26, 2004. Stage and discharge are affected by tides in the Indian River.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,240	220	103	123	92	409	170	103	463	635	208	253
2	1,010	213	98	118	87	293	166	101	550	677	230	275
3	844	212	100	115	83	247	170	100	420	581	275	294
4	721	201	104	113	76	224	161	96	405	583	231	239
5	681	201	103	107	82	201	147	100	431	486	184	216
6	772	198	100	110	83	177	124	172	616	383	181	290
7	773	190	97	107	81	137	161	160	555	317	186	607
8	646	185	95	104	69	127	803	136	375	280	201	603
9	565	177	96	98	79	130	481	121	310	254	181	551
10	494	184	91	93	100	154	358	112	321	452	175	455
11	454	183	78	78	118	157	278	106	335	524	159	350
12	443	177	79	82	110	153	235	103	334	440	191	286
13	419	171	114	86	110	149	207	98	287	339	162	255
14	382	177	81	88	104	146	190	94	241	291	147	235
15	362	172	89	111	94	141	166	89	204	269	158	215
16	357	140	90	151	84	142	155	80	251	253	143	205
17	327	139	89	137	80	196	147	69	258	233	127	192
18	298	141	90	126	77	413	142	63	241	210	120	182
19	295	137	91	116	80	309	134	64	227	198	116	175
20	288	135	90	110	78	246	128	68	295	184	112	183
21	296	133	90	106	73	211	128	67	395	174	112	299
22	297	150	89	102	68	202	122	69	403	167	118	470
23	304	161	90	91	71	185	117	71	385	163	107	420
24	301	137	88	94	70	178	112	72	590	155	101	363
25	282	118	106	94	70	171	108	68	789	161	99	325
26	271	119	289	92	71	341	106	99	639	154	114	292
27	257	122	208	91	281	341	116	89	535	148	110	279
28	247	116	172	89	737	278	119	80	484	140	106	276
29	244	109	152	91	---	234	114	79	474	134	133	365
30	236	105	139	89	---	205	106	87	608	136	155	359
31	227	---	131	86	---	181	---	121	---	156	168	---
TOTAL	14,333	4,823	3,432	3,198	3,208	6,678	5,671	2,937	12,421	9,277	4,810	9,509
MEAN	462	161	111	103	115	215	189	94.7	414	299	155	317
MAX	1,240	220	289	151	737	413	803	172	789	677	275	607
MIN	227	105	78	78	68	127	106	63	204	134	99	175

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2005, BY WATER YEAR (WY)

MEAN	301	169	117	116	102	134	90.5	74.0	159	228	259	309
MAX	877	544	474	481	426	369	189	125	473	642	725	1,075
(WY)	(2000)	(1995)	(1998)	(1998)	(1998)	(1998)	(2005)	(1987)	(1994)	(2001)	(1995)	(2004)
MIN	68.2	41.1	25.1	33.0	31.5	14.1	13.7	32.3	31.0	50.8	56.9	78.4
(WY)	(1982)	(2001)	(2001)	(2001)	(2001)	(2001)	(1999)	(2000)	(2000)	(1993)	(1993)	(1993)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1981 - 2005	
ANNUAL TOTAL	78,719		80,297			
ANNUAL MEAN	215		220		171	
HIGHEST ANNUAL MEAN					303	
LOWEST ANNUAL MEAN					75.7	
HIGHEST DAILY MEAN	4,050	Sep 26	1,240	Oct 1	4,050	Sep 26, 2004
LOWEST DAILY MEAN	16	Mar 29	63	May 18	-8.8	Nov 20, 1994
ANNUAL SEVEN-DAY MINIMUM	28	Apr 19	67	May 17	-4.2	Mar 21, 2001
MAXIMUM PEAK STAGE			7.72		13.16	
10 PERCENT EXCEEDS	405		453		377	
50 PERCENT EXCEEDS	90		161		100	
90 PERCENT EXCEEDS	43		86		41	

Note.--Negative figures indicate reverse flow

02251000 SOUTH PRONG SAINT SEBASTIAN RIVER NEAR SEBASTIAN, FL

LOCATION.--Lat 27° 46'09", long 80° 30'22", in SW¹/₄, sec.23, T.31 S., R.38 E., Indian River County, Hydrologic Unit 03080203, on upstream side of bridge on State Highway 512, 2.5 mi east of Interstate Highway 95, 4 mi southwest of Sebastian, and 8.3 mi upstream from mouth.

DRAINAGE AREA.--35 mi², approximately.

PERIOD OF RECORD.--October 1954 to May 1965 (discharge measurements only), May 1968 to August 1972 (annual peak discharge), August 1993 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 10.00 ft below NGVD of 1929. Auxiliary water-stage recorder at site 6.6 mi downstream.

REMARKS.--Records fair except those below 100 ft³/s and periods of estimated daily discharge, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	606	89	43	77	76	140	114	69	309	281	83	49
2	534	83	43	74	74	111	92	75	550	207	234	46
3	483	89	46	71	72	97	112	76	480	175	224	62
4	447	93	48	68	80	124	99	96	863	156	151	58
5	434	85	46	64	79	122	88	395	780	169	111	72
6	604	81	42	59	70	105	80	503	863	150	94	140
7	599	75	41	61	67	91	74	303	641	130	87	234
8	513	65	39	61	68	80	88	199	465	116	86	295
9	461	62	37	62	66	93	91	134	338	109	93	136
10	420	67	35	60	64	153	89	92	262	211	138	72
11	390	62	42	56	e63	137	82	77	440	256	120	58
12	416	61	43	57	e63	112	74	77	493	310	103	56
13	463	63	39	53	e62	95	70	78	287	266	96	54
14	496	72	42	65	e62	83	75	75	212	210	125	51
15	380	73	51	125	e62	80	80	73	181	136	107	44
16	314	68	42	136	e62	77	87	69	156	107	88	41
17	284	65	39	120	e60	131	82	64	178	95	78	39
18	278	62	56	107	e60	441	75	66	212	85	72	38
19	281	61	64	93	60	357	67	66	200	82	71	35
20	294	58	63	85	51	220	65	61	431	81	69	49
21	285	54	56	84	47	156	65	61	338	78	70	55
22	265	52	51	76	46	248	62	66	193	73	69	126
23	247	50	49	79	54	294	59	63	179	73	60	e90
24	233	46	59	80	52	266	75	60	220	77	49	61
25	216	47	76	73	66	169	72	64	265	94	102	51
26	201	55	136	71	84	160	64	73	212	83	110	44
27	170	50	141	70	111	247	106	71	240	73	37	40
28	135	52	117	76	168	266	143	68	210	67	34	58
29	120	51	99	76	---	327	110	66	188	65	36	399
30	109	44	90	74	---	181	70	63	193	71	32	256
31	99	---	82	77	---	145	---	89	---	86	39	---
TOTAL	10,777	1,935	1,857	2,390	1,949	5,308	2,510	3,392	10,579	4,172	2,868	2,809
MEAN	348	64.5	59.9	77.1	69.6	171	83.7	109	353	135	92.5	93.6
MAX	606	93	141	136	168	441	143	503	863	310	234	399
MIN	99	44	35	53	46	77	59	60	156	65	32	35

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	195	96.7	78.5	60.5	66.6	71.5	50.7	42.1	133	127	160	222
MAX	469	428	221	122	206	188	126	109	386	399	319	705
(WY)	(2000)	(1995)	(1995)	(1998)	(1998)	(1998)	(1996)	(2005)	(2002)	(2002)	(1997)	(2004)
MIN	29.1	21.3	28.5	33.8	29.2	19.8	21.8	23.4	18.4	33.4	45.0	38.0
(WY)	(2003)	(2001)	(2001)	(2001)	(2001)	(1999)	(2004)	(2000)	(1998)	(1998)	(1996)	(1996)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1994 - 2005

ANNUAL TOTAL	46,800	50,373	
ANNUAL MEAN	128	138	109
HIGHEST ANNUAL MEAN			158
LOWEST ANNUAL MEAN			71.2
HIGHEST DAILY MEAN	e2,660	Sep 27	863
LOWEST DAILY MEAN	12	Apr 2	32
ANNUAL SEVEN-DAY MINIMUM	13	Mar 31	39
MAXIMUM PEAK FLOW			929
MAXIMUM PEAK STAGE			17.42
INSTANTANEOUS LOW FLOW			14
10 PERCENT EXCEEDS	350		305
50 PERCENT EXCEEDS	47		79
90 PERCENT EXCEEDS	19		49

e Estimated

02251500 NORTH PRONG SAINT SEBASTIAN RIVER NEAR MICCO, FL

LOCATION.--Lat 27° 51'21", long 80° 31'28", in Fleming Land Grant, T.30 S., R.38 E., Brevard County, Hydrologic Unit 03080203, on right bank 15 ft downstream from bridge on Wildon Road, 1.9 mi upstream from mouth, and 2.2 mi southwest of Micco.

DRAINAGE AREA.--28.5 mi².

PERIOD OF RECORD.--October 1954 to October 1958 (discharge measurements only), January 1987 to current year.

REVISED RECORDS.--WDR FL-90-1A: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929.

REMARKS.--Records good except for period of estimated daily discharge, which is fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	381	52	20	47	38	61	44	15	158	290	40	48
2	267	50	19	46	39	47	51	15	197	257	44	47
3	192	48	18	46	41	45	59	14	180	252	54	57
4	147	46	18	44	40	43	48	31	311	239	53	58
5	146	43	18	44	37	38	43	82	245	212	50	56
6	414	37	18	44	35	34	37	160	229	172	46	99
7	e320	33	20	42	33	31	36	104	191	137	46	180
8	e250	33	26	41	30	29	77	67	172	106	45	203
9	e200	35	32	42	25	32	85	50	156	93	44	187
10	e180	46	33	41	24	49	66	43	132	156	50	160
11	e150	41	36	39	23	50	54	39	217	184	45	128
12	e170	38	33	37	22	42	47	36	231	167	43	101
13	130	37	32	31	21	35	43	32	177	133	40	82
14	109	44	33	38	20	32	40	28	128	104	35	66
15	107	40	36	58	20	30	36	27	101	91	39	55
16	109	34	35	58	19	29	32	27	107	85	32	50
17	95	35	34	48	19	74	29	25	95	77	28	44
18	88	32	39	42	18	148	27	23	79	70	27	38
19	83	30	37	45	16	116	25	22	70	66	27	34
20	79	29	34	47	16	88	23	20	88	62	27	38
21	77	27	33	47	17	76	21	19	215	54	27	61
22	72	27	34	46	16	86	19	18	618	46	27	86
23	69	24	34	46	16	110	19	17	352	44	25	73
24	67	25	33	43	16	83	17	16	505	45	25	63
25	63	25	48	42	15	68	16	18	526	52	31	54
26	59	23	83	41	18	82	15	15	339	46	29	45
27	59	23	65	41	52	86	28	15	270	43	27	42
28	57	23	56	40	83	88	29	18	237	40	28	40
29	57	22	53	42	---	82	17	19	216	37	27	55
30	56	21	51	43	---	69	15	18	261	36	25	60
31	54	---	49	39	---	57	---	40	---	39	34	---
TOTAL	4,307	1,023	1,110	1,350	769	1,940	1,098	1,073	6,803	3,435	1,120	2,310
MEAN	139	34.1	35.8	43.5	27.5	62.6	36.6	34.6	227	111	36.1	77.0
MAX	414	52	83	58	83	148	85	160	618	290	54	203
MIN	54	21	18	31	15	29	15	14	70	36	25	34
CFSM	4.87	1.20	1.26	1.53	0.96	2.20	1.28	1.21	7.96	3.89	1.27	2.70
IN.	5.62	1.34	1.45	1.76	1.00	2.53	1.43	1.40	8.88	4.48	1.46	3.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

	93.4	59.8	35.4	33.4	32.6	40.7	25.6	17.5	46.3	54.9	58.2	87.4
MEAN	93.4	59.8	35.4	33.4	32.6	40.7	25.6	17.5	46.3	54.9	58.2	87.4
MAX	250	251	125	80.2	150	105	77.8	34.6	227	216	152	380
(WY)	(2000)	(1998)	(1998)	(1998)	(1998)	(1988)	(1996)	(2005)	(2005)	(2001)	(1994)	(2004)
MIN	14.3	13.2	11.2	11.4	10.7	10.1	8.45	7.11	7.46	9.09	10.3	13.8
(WY)	(1989)	(2003)	(2001)	(2001)	(2001)	(2001)	(1999)	(1990)	(1989)	(2004)	(1993)	(1989)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1987 - 2005

ANNUAL TOTAL	21,901.3											
ANNUAL MEAN	59.8											
HIGHEST ANNUAL MEAN										49.6		
LOWEST ANNUAL MEAN										87.2		1995
HIGHEST DAILY MEAN	e2,520				Sep 26		618	Jun 22		15.6		1989
LOWEST DAILY MEAN	6.5				May 31		14	May 3		e2,520		Sep 26, 2004
ANNUAL SEVEN-DAY MINIMUM	6.8				May 26		16	Feb 19		a6.3		
MAXIMUM PEAK FLOW							712	Jun 22		6.4		May 12, 2002
MAXIMUM PEAK STAGE							9.51	Oct 6		11.19		Sep 26, 2004
INSTANTANEOUS LOW FLOW							b14			3.8		Apr 1, 1994
ANNUAL RUNOFF (CFSM)	2.10						2.53			1.74		
ANNUAL RUNOFF (INCHES)	28.59						34.38			23.63		
10 PERCENT EXCEEDS	99						174			108		
50 PERCENT EXCEEDS	18						44			25		
90 PERCENT EXCEEDS	8.7						20			11		

e Estimated

a Jun 20, 21, 1989, May 15, 18, 2002

b Feb 25, Apr 30, May 1-3, 26

02251767 FELLSMERE CANAL NEAR MICCO, FL

LOCATION.--Lat 27° 49'49", long 80° 32'04", in Fleming Land Grant, T.29 S., R.38 E., Brevard County, Hydrologic Unit 03080203, on left bank 156 ft upstream from fixed crest steel sheet pile weir, 500 ft upstream from Canal 54, 4.5 mi south of Micco, and 6 mi northeast of Fellsmere.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1991 to current year.

GAGE.--Water-stage recorder, data-collection platform, and sheet pile weir. Datum of gage is at NGVD of 1929 (levels by St. Johns River Water Management District).

REMARKS.--Records fair. A maximum discharge, 556 ft³/s and stage, 3.90 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 26, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	441	76	57	61	39	123	64	57	231	413	146	68
2	292	74	54	59	41	92	77	56	422	316	323	72
3	235	77	54	58	59	64	87	54	323	238	314	148
4	199	75	56	59	53	73	74	80	412	180	176	201
5	172	70	57	53	47	83	70	264	363	171	135	169
6	194	68	56	47	46	78	75	371	383	151	109	166
7	208	66	51	46	46	72	62	273	278	114	100	210
8	191	65	49	45	46	68	91	189	262	83	129	227
9	163	66	53	44	46	69	85	149	202	83	123	172
10	144	80	69	44	45	100	75	119	172	339	116	135
11	137	106	77	42	45	79	68	88	172	374	103	116
12	175	91	68	41	46	78	64	69	150	222	243	101
13	155	81	63	42	51	70	56	64	127	208	198	79
14	131	76	62	69	55	65	54	60	108	171	155	73
15	114	72	60	128	59	65	51	57	105	141	127	72
16	117	65	59	108	58	67	47	56	103	96	84	69
17	113	61	62	97	60	112	47	52	86	82	77	63
18	105	60	60	81	59	271	47	56	85	77	75	62
19	90	60	78	61	57	223	52	62	109	70	72	64
20	87	67	63	53	54	174	56	65	106	67	71	105
21	94	68	53	52	54	149	56	63	124	71	70	160
22	86	65	57	73	52	177	58	61	238	78	70	214
23	78	65	74	74	53	226	56	60	176	81	69	166
24	78	66	74	68	42	186	56	55	213	81	73	122
25	77	65	82	57	37	148	54	47	299	99	138	101
26	90	62	127	52	46	143	49	49	215	112	143	98
27	82	62	109	51	92	138	68	80	217	112	131	117
28	79	61	124	49	178	123	71	82	207	76	109	97
29	78	59	112	47	---	107	63	59	212	167	123	308
30	81	58	96	42	---	89	59	54	325	159	92	247
31	77	---	65	40	---	71	---	75	---	146	79	---
TOTAL	4,363	2,087	2,181	1,843	1,566	3,583	1,892	2,926	6,425	4,778	3,973	4,002
MEAN	141	69.6	70.4	59.5	55.9	116	63.1	94.4	214	154	128	133
MAX	441	106	127	128	178	271	91	371	422	413	323	308
MIN	77	58	49	40	37	64	47	47	85	67	69	62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	134	87.3	65.6	62.6	58.2	72.4	57.8	50.5	118	118	135	167
MAX	380	260	147	112	150	193	102	94.4	324	251	211	499
(WY)	(2000)	(1995)	(1998)	(1998)	(1998)	(1993)	(1993)	(2005)	(2002)	(2001)	(2003)	(2004)
MIN	33.2	38.0	31.8	29.3	29.5	27.0	31.9	30.2	40.1	51.1	39.0	62.9
(WY)	(1998)	(1992)	(1992)	(1992)	(1996)	(1997)	(1992)	(1995)	(1998)	(1993)	(1993)	(2002)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1992 - 2005

ANNUAL TOTAL	41,667	39,619	
ANNUAL MEAN	114	109	93.7
HIGHEST ANNUAL MEAN			113
LOWEST ANNUAL MEAN			61.7
HIGHEST DAILY MEAN	e1,600	441	1,780
LOWEST DAILY MEAN	22	37	9.5
ANNUAL SEVEN-DAY MINIMUM	25	43	11
MAXIMUM PEAK FLOW		479	479
MAXIMUM PEAK STAGE		3.71	7.61
INSTANTANEOUS LOW FLOW		36	*9.0
10 PERCENT EXCEEDS	198	212	180
50 PERCENT EXCEEDS	63	77	59
90 PERCENT EXCEEDS	39	52	33

e Estimated
* June 19-21, 2001

02251800 INDIAN RIVER AT WABASSO, FL

LOCATION.--Lat 27° 45'15", long 80° 25'40", in SW¹/₄ sec.27, T.31 S., R.39 E., Indian River County, Hydrologic Unit 03080203, near the southwest end of bridge on State Highway 510 , and 0.5 mi east of Wabasso.

PERIOD OF RECORD.--November 1940 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (Florida Department of Transportation bench mark). Prior to June 26, 1970, at site 0.9 mi northeast at same datum.

REMARKS.--Stage affected by tide. The stage record published is the maximum and minimum tide event for each calendar day. Maximum gage height may have occurred Oct. 1-6, during missing record.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded gage height, 5.81 ft, Sept. 26, 2004; minimum, -1.36 ft, Jan. 20, 1946.

EXTREMES FOR CURRENT YEAR.--Maximum recorded gage height, 2.45 ft, Sept. 8; minimum, -0.44 ft, Apr. 30.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

DAY	HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW		HIGHHIGH LOWLOW	
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	1.06	0.66	0.86	0.41	0.72	0.19	1.63	1.06	1.21	0.66
2	---	---	1.09	0.64	0.92	0.42	0.65	0.20	1.69	0.93	1.14	0.38
3	---	---	1.30	0.71	1.10	0.50	0.60	0.10	1.36	0.72	1.00	0.59
4	---	---	0.94	0.64	1.16	0.53	0.59	0.27	2.30	1.83	1.16	0.81
5	---	---	1.48	0.74	0.79	0.27	0.63	0.08	2.24	1.70	0.88	0.34
6	---	---	1.65	1.30	0.64	0.23	0.62	-0.03	1.81	1.15	0.74	0.11
7	1.83	1.28	1.43	0.95	0.59	0.11	0.53	-0.13	1.47	0.81	0.65	-0.04
8	1.52	1.07	1.28	0.85	0.64	0.09	0.66	-0.14	1.76	1.02	0.53	-0.20
9	1.59	1.10	1.56	0.76	0.56	-0.12	0.68	-0.05	1.45	0.78	1.04	0.17
10	1.51	1.02	1.54	0.87	0.28	-0.39	0.78	-0.01	1.33	0.66	1.10	0.47
11	1.49	1.02	1.20	0.59	0.71	-0.13	0.78	0.06	1.85	0.99	0.59	0.05
12	1.57	1.05	1.37	0.59	0.89	0.14	0.63	-0.03	1.56	0.76	0.58	0.00
13	1.75	1.04	1.37	0.63	0.52	-0.16	0.44	-0.15	1.17	0.51	0.46	-0.16
14	1.84	1.23	1.77	0.91	0.83	-0.16	0.56	-0.31	1.06	0.24	0.27	-0.22
15	1.63	1.08	1.77	1.07	1.48	0.60	1.64	0.93	0.78	0.37	0.34	-0.08
16	1.85	1.12	1.79	0.93	0.68	0.07	2.28	1.61	0.81	0.34	0.50	0.00
17	1.60	0.92	1.76	1.20	0.74	0.18	1.87	1.29	0.88	0.47	0.62	0.12
18	1.13	0.51	1.43	0.82	0.90	0.41	1.71	1.41	1.22	1.00	1.16	0.69
19	1.15	0.52	1.33	0.78	0.91	0.52	1.34	0.80	1.18	0.50	1.19	0.70
20	1.20	0.60	1.17	0.71	0.96	0.28	1.07	0.61	0.51	-0.04	0.93	0.51
21	1.54	0.80	1.19	0.81	0.85	0.18	1.05	0.46	0.41	-0.17	0.81	0.37
22	1.90	0.99	1.23	0.72	0.54	0.00	0.92	0.40	0.40	-0.17	0.78	0.20
23	1.92	1.23	1.19	0.61	0.49	-0.11	1.53	0.30	0.59	-0.05	0.83	0.22
24	1.91	1.27	1.00	0.39	0.97	0.03	1.54	1.03	0.53	-0.13	0.96	0.45
25	2.04	1.26	0.99	0.30	1.19	0.48	1.09	0.54	0.65	0.11	0.89	0.24
26	2.08	1.46	1.49	0.72	1.18	0.33	1.04	0.44	1.30	0.59	1.08	0.40
27	2.03	1.46	1.01	0.47	1.76	0.89	0.95	0.37	0.94	0.48	0.76	0.32
28	1.95	1.47	1.30	0.48	1.05	0.50	1.30	0.77	1.11	0.64	1.04	0.41
29	1.88	1.18	1.22	0.60	1.01	0.35	1.15	0.57	---	---	1.15	0.52
30	1.74	1.07	0.86	0.39	0.92	0.44	1.16	0.66	---	---	1.07	0.28
31	1.70	1.08	---	---	0.66	0.20	1.58	1.07	---	---	0.81	-0.01
MAX	2.08	1.47	1.79	1.30	1.76	0.89	2.28	1.61	2.30	1.83	1.21	0.81
MIN	1.13	0.51	0.86	0.30	0.28	-0.39	0.44	-0.31	0.40	-0.17	0.27	-0.22

02252500 NORTH CANAL NEAR VERO BEACH, FL

LOCATION.--Lat 27° 41'35", long 80° 25'46", in SW 1/4 sec.15, T.32 S., R.39 E., Indian River County, Hydrologic Unit 03080203, on downstream side of concrete piling for sewer main, 0.9 mi upstream from County Road 605, and 4.2 mi north of Vero Beach.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--November 1950 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929. Prior to Feb. 27, 1952, water-stage recorder located 550 ft upstream from County Road 605 at datum 0.81 ft lower. Feb. 27, 1952 to Nov. 5, 1957, water-stage recorder located at bridge on U.S. Highway 1 at present datum. Nov. 6, 1957 to Dec. 28, 1994, water-stage recorder located 600 ft upstream from County Road 605 at present datum. Dec. 29, 1994 to Aug. 8, 1995, water-stage recorder located on County Road 605 bridge at present datum.

REMARKS.--Records fair. Considerable pumping into canal for drainage above station. Since Sept. 7, 1954, flow regulated by control structure 1.1 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e104	38	24	37	25	23	56	42	129	82	30	29
2	e98	38	24	36	25	19	93	41	97	65	47	28
3	e92	36	23	34	26	18	41	38	93	57	36	31
4	e85	36	23	33	27	24	33	74	264	53	31	26
5	e111	36	23	33	26	24	44	156	175	51	29	46
6	e126	36	23	31	26	20	44	81	195	48	23	64
7	e108	34	23	30	26	18	46	53	99	46	24	52
8	e94	33	22	32	25	18	74	41	77	44	26	46
9	e88	33	22	32	20	24	48	36	71	41	32	38
10	e82	36	22	30	16	53	38	28	68	53	51	34
11	e81	34	23	29	16	45	36	22	331	54	47	32
12	e85	34	22	28	16	36	28	27	186	54	37	30
13	85	32	21	28	16	29	22	30	109	46	28	28
14	62	34	21	38	15	27	22	30	88	42	27	27
15	56	33	20	59	21	24	22	30	77	39	24	26
16	60	31	20	58	37	22	22	29	93	37	20	22
17	57	31	21	45	14	70	22	27	186	35	19	18
18	54	30	37	40	13	146	22	26	95	34	17	19
19	53	29	34	37	13	86	22	25	79	33	17	23
20	54	29	34	36	13	61	22	24	114	32	17	30
21	56	28	34	35	13	67	22	23	84	31	21	39
22	53	28	31	31	13	172	22	23	72	30	21	31
23	45	28	35	29	13	95	22	23	70	28	21	29
24	41	27	38	30	13	41	25	23	106	23	21	27
25	44	27	43	28	13	40	24	23	91	25	47	25
26	43	26	73	28	13	90	24	28	86	28	23	24
27	42	26	48	27	23	172	71	28	75	24	22	24
28	41	26	44	27	33	72	79	27	67	22	22	29
29	40	25	43	28	---	50	53	25	69	21	22	123
30	40	25	41	27	---	47	45	24	64	21	22	35
31	39	---	39	27	---	56	---	44	---	21	24	---
TOTAL	2,119	939	951	1,043	550	1,689	1,144	1,151	3,410	1,220	848	1,035
MEAN	68.4	31.3	30.7	33.6	19.6	54.5	38.1	37.1	114	39.4	27.4	34.5
MAX	126	38	73	59	37	172	93	156	331	82	51	123
MIN	39	25	20	27	13	18	22	22	64	21	17	18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

MEAN	59.1	30.5	21.4	23.2	24.9	28.3	19.4	20.7	43.1	34.6	40.2	57.0
MAX	220	133	71.1	54.3	100	136	65.9	68.3	226	138	119	280
(WY)	(2000)	(1985)	(1995)	(1970)	(1991)	(1993)	(1951)	(1979)	(1968)	(2002)	(1981)	(1960)
MIN	8.18	7.00	6.24	4.52	4.83	3.97	4.78	5.23	4.98	7.92	9.26	7.61
(WY)	(1959)	(1956)	(1962)	(1956)	(1956)	(1956)	(1963)	(1956)	(1964)	(2004)	(1958)	(1961)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1951 - 2005

ANNUAL TOTAL	14,726.4	16,099	
ANNUAL MEAN	40.2	44.1	33.7
HIGHEST ANNUAL MEAN			57.7
LOWEST ANNUAL MEAN			13.1
HIGHEST DAILY MEAN	e851	Sep 27	331
LOWEST DAILY MEAN	7.1	Jul 16-18	13
ANNUAL SEVEN-DAY MINIMUM	7.3	Jul 16	13
MAXIMUM PEAK FLOW			619
MAXIMUM PEAK STAGE			8.91
INSTANTANEOUS LOW FLOW			12
10 PERCENT EXCEEDS	79		85
50 PERCENT EXCEEDS	26		32
90 PERCENT EXCEEDS	11		21

e Estimated

02253000 MAIN CANAL AT VERO BEACH, FL

LOCATION.--Lat 27° 38'54", long 80° 24'10", in SE 1/4 sec.35, T.32 S., R.39 E., Indian River County, Hydrologic Unit 03080203, on right bank 8 ft upstream from dam, 700 ft upstream from U.S. Highway 1, and 0.6 mi northwest of Vero Beach.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1949 to current year. Monthly discharge only for some periods, published in WSP 1724.

GAGE.--Water-stage recorder and concrete dam. Datum of gage is at NGVD of 1929. Prior to Mar. 20, 1952, at datum 0.74 ft lower. Mar. 20, 1952 to Sept. 30, 1956, at datum 0.02 ft lower.

REMARKS.--Records good. Considerable pumping into canal for drainage upstream from station. Since Aug. 6, 1954, flow regulated by control structure 1.5 mi upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	370	33	22	57	42	105	65	52	317	185	264	2.2
2	258	33	19	55	42	87	158	48	281	128	226	49
3	186	33	20	53	42	81	65	47	263	109	126	140
4	151	32	22	55	40	113	35	151	760	90	67	82
5	130	32	22	53	41	112	47	394	565	84	2.3	204
6	199	33	22	50	41	96	48	214	753	80	2.8	423
7	192	32	23	57	38	87	53	152	440	74	3.3	194
8	136	33	20	64	35	81	129	117	272	43	2.9	131
9	113	35	22	58	40	90	92	86	194	37	7.9	99
10	100	40	22	53	39	139	71	49	152	146	57	77
11	126	39	21	51	38	118	62	11	453	154	23	61
12	146	38	21	48	39	97	39	28	251	100	30	35
13	119	35	21	47	42	86	36	31	164	148	72	42
14	99	36	23	54	44	81	41	32	130	71	77	28
15	89	36	26	67	44	77	42	33	109	45	57	2.1
16	81	37	30	67	42	62	43	31	113	63	18	2.3
17	76	35	33	63	35	136	43	29	295	56	4.8	7.5
18	71	34	60	59	31	219	50	27	273	31	5.8	16
19	68	32	56	57	33	144	58	23	213	30	5.8	20
20	70	31	49	54	35	110	56	24	230	38	12	37
21	70	30	47	52	38	125	51	24	164	40	21	80
22	65	29	59	53	39	374	48	25	126	42	24	63
23	29	30	69	50	42	394	47	25	120	39	24	54
24	27	30	63	48	38	90	53	25	141	12	197	48
25	47	30	79	48	42	49	54	27	125	37	95	46
26	45	28	130	46	44	172	56	45	125	46	32	43
27	38	29	58	44	90	209	116	42	110	81	8.7	40
28	20	29	66	44	125	252	101	38	95	70	1.4	85
29	20	28	64	48	---	112	62	34	91	67	1.5	228
30	30	26	60	46	---	59	55	30	97	69	1.8	49
31	32	---	59	42	---	73	---	90	---	85	4.6	---
TOTAL	3,203	978	1,308	1,643	1,241	4,030	1,876	1,984	7,422	2,300	1,475.6	2,388.1
MEAN	103	32.6	42.2	53.0	44.3	130	62.5	64.0	247	74.2	47.6	79.6
MAX	370	40	130	67	125	394	158	394	760	185	264	423
MIN	20	26	19	42	31	49	35	11	91	12	1.4	2.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2005, BY WATER YEAR (WY)

MEAN	107	65.6	47.5	51.9	57.6	64.3	46.3	52.2	96.4	86.1	96.0	124
MAX	274	258	110	117	206	247	106	179	437	249	252	615
(WY)	(1967)	(1985)	(1995)	(1970)	(1983)	(1993)	(1960)	(1979)	(1968)	(1968)	(1981)	(2004)
MIN	23.4	5.69	5.39	21.3	16.0	20.7	16.3	3.17	24.4	14.7	28.9	27.2
(WY)	(1998)	(1956)	(1956)	(1990)	(2001)	(1990)	(1990)	(2004)	(2000)	(1997)	(1980)	(2002)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1949 - 2005	
ANNUAL TOTAL	37,632.5		29,848.7			
ANNUAL MEAN	103		81.8		74.8	
HIGHEST ANNUAL MEAN					137	1960
LOWEST ANNUAL MEAN					41.8	1950
HIGHEST DAILY MEAN	1,930	Sep 26	760	Jun 4	1,930	Sep 26, 2004
LOWEST DAILY MEAN	2.3	Jun 4	1.4	Aug 28	0.00	Some years
ANNUAL SEVEN-DAY MINIMUM	2.7	May 21	7.5	Aug 26	1.9	Jan 2, 1990
MAXIMUM PEAK STAGE			12.09	Jun 4	14.80	Sep 26, 2004
10 PERCENT EXCEEDS	197		167		165	
50 PERCENT EXCEEDS	38		51		38	
90 PERCENT EXCEEDS	3.5		22		14	

02253500 SOUTH CANAL NEAR VERO BEACH, FL

LOCATION.--Lat 27° 36'11", long 80° 23'24", in SW 1/4 sec.13, T.33 S., R.39 E., Indian River County, Hydrologic Unit 03080203, on right bank 1,000 ft upstream from bridge on State Highway 605, and 2.5 mi south of Vero Beach.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Prior to Feb. 28, 1952, at downstream side of bridge 1,000 ft downstream at datum 1.26 ft lower. Feb. 28, 1952 to Nov. 6, 1957, 20 ft upstream from bridge at datum 0.46 ft lower. Since Oct. 1, 1997 water-stage recorder for Indian River at Wabasso (02251800) used as auxiliary gage for this station.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Considerable pumping into canal for drainage above station. Since Jan. 6, 1956, flow regulated by control structure upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e390	31	26	18	e16	e23	e31	e24	309	212	78	108
2	e320	32	23	17	e15	e19	e28	e27	208	107	57	93
3	e260	27	21	17	e14	e16	e35	e29	174	82	47	78
4	e220	29	22	17	e17	e18	e31	e35	652	68	34	41
5	e180	23	25	18	e17	e18	e28	e170	413	62	31	81
6	e240	17	29	19	e15	e16	e26	e230	344	56	32	142
7	e220	21	31	19	e14	e15	e25	e160	165	53	49	75
8	e190	24	31	19	e15	e14	e30	e90	113	51	105	85
9	e140	23	33	17	e13	e15	e35	54	97	48	105	59
10	e110	29	36	16	e13	e27	e33	33	84	96	359	43
11	e80	34	32	16	e14	e25	e29	19	439	92	253	31
12	e100	31	31	17	e13	e23	e26	27	282	66	177	22
13	e120	27	35	18	e12	e21	e23	34	145	56	100	21
14	e130	24	22	23	e12	e19	e26	35	95	46	45	14
15	e90	24	6.8	8.6	e11	e18	e32	35	75	46	35	1.8
16	e80	23	16	0.31	e11	e17	e37	34	84	46	21	1.4
17	e75	19	18	1.3	e11	e22	e33	34	215	43	18	2.5
18	e66	24	22	1.0	e12	e100	e28	30	179	39	12	4.0
19	61	23	16	8.3	e11	e70	e26	25	154	39	11	5.0
20	60	25	13	e11	e10	e40	e23	26	118	38	13	14
21	55	24	18	e15	e9.5	e28	e24	23	88	36	20	36
22	41	24	21	e14	e9.5	e38	e22	19	66	35	29	27
23	22	26	21	e14	e10	e50	e20	21	59	29	31	21
24	14	29	17	e15	e10	e45	e26	20	61	15	126	18
25	26	28	14	e14	e11	e30	e24	22	62	34	27	16
26	23	19	20	e14	e13	e27	e22	39	116	34	19	15
27	18	26	5.1	e14	e18	e40	e32	39	83	29	24	14
28	11	23	15	e15	e28	e45	e45	36	62	18	36	37
29	14	24	16	e14	---	e60	e34	32	57	17	54	98
30	20	27	16	e14	---	e40	e26	29	75	16	53	15
31	21	---	19	e16	---	e35	---	54	---	17	71	---
TOTAL	3,397	760	670.9	440.51	375.0	974	860	1,485	5,074	1,626	2,072	1,218.7
MEAN	110	25.3	21.6	14.2	13.4	31.4	28.7	47.9	169	52.5	66.8	40.6
MAX	390	34	36	23	28	100	45	230	652	212	359	142
MIN	11	17	5.1	0.31	9.5	14	20	19	57	15	11	1.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

	68.3	35.6	23.3	25.1	25.3	29.7	21.5	27.7	57.0	42.2	54.2	75.0
MEAN	68.3	35.6	23.3	25.1	25.3	29.7	21.5	27.7	57.0	42.2	54.2	75.0
MAX	200	177	91.0	74.5	90.6	138	86.8	118	267	143	208	479
(WY)	(1984)	(1985)	(1995)	(1993)	(1966)	(1993)	(1951)	(1979)	(1992)	(1968)	(1981)	(2004)
MIN	6.01	7.18	5.43	4.21	4.52	4.90	4.87	5.23	4.93	7.86	5.00	7.85
(WY)	(1982)	(1962)	(1963)	(1962)	(1962)	(1956)	(1956)	(1956)	(1956)	(2004)	(1956)	(1961)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1951 - 2005

ANNUAL TOTAL	26,307.6	18,953.11	
ANNUAL MEAN	71.9	51.9	40.4
HIGHEST ANNUAL MEAN			66.4
LOWEST ANNUAL MEAN			15.2
HIGHEST DAILY MEAN	e2,100	Sep 26	652
LOWEST DAILY MEAN	1.8	Feb 28	0.31
ANNUAL SEVEN-DAY MINIMUM	3.3	Jul 9	6.1
MAXIMUM PEAK STAGE			9.56
10 PERCENT EXCEEDS	141		111
50 PERCENT EXCEEDS	19		27
90 PERCENT EXCEEDS	6.1		14

e Estimated

a Observed, may have been exceeded in Sep 2004

b May 21, 1978, Nov 15, 2001

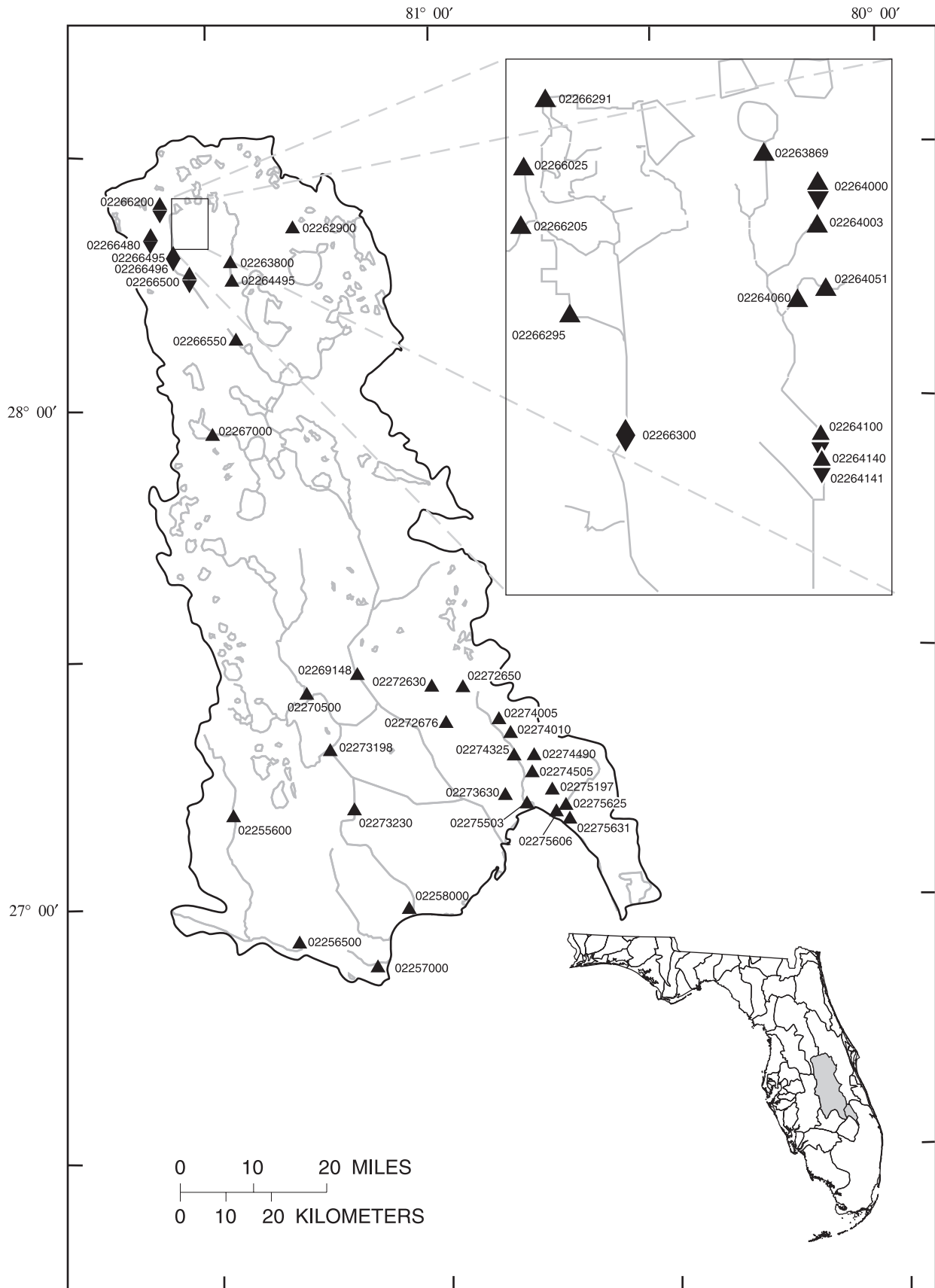


Figure 8.--Location of stream gaging stations in the Kissimmee River basin, the Taylor Creek basin and inflow to Lake Okeechobee from the north, and Fisheating Creek basin and inflow to Lake Okeechobee from the northwest.

02255600 FISHEATING CREEK NEAR LAKE PLACID, FL

LOCATION.--Lat 27° 12'32", long 81° 27'42", in NW¹/₄ sec.6, T.38 S., R.29 E., Highlands County, Hydrologic Unit 03090103, near left bank, 150 ft downstream from State Highway 70, 8.3 mi west of U.S. Highway 27, 9 mi southwest of Lake Placid, and 38.9 mi upstream from mouth.

DRAINAGE AREA.--60.0 mi².

PERIOD OF RECORD.--August 2003 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NAVD of 1988 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records fair.

EXTREMES FOR PERIOD AUGUST TO SEPTEMBER 2003.--Maximum discharge, 583 ft³/s, Sept. 6, gage height, 77.60 ft; minimum, 14 ft³/s, Sept. 25, gage height, 72.89 ft.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD AUGUST TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	132
2	---	---	---	---	---	---	---	---	---	---	---	126
3	---	---	---	---	---	---	---	---	---	---	---	114
4	---	---	---	---	---	---	---	---	---	---	---	169
5	---	---	---	---	---	---	---	---	---	---	---	404
6	---	---	---	---	---	---	---	---	---	---	---	564
7	---	---	---	---	---	---	---	---	---	---	---	534
8	---	---	---	---	---	---	---	---	---	---	---	453
9	---	---	---	---	---	---	---	---	---	---	---	362
10	---	---	---	---	---	---	---	---	---	---	---	280
11	---	---	---	---	---	---	---	---	---	---	---	219
12	---	---	---	---	---	---	---	---	---	---	---	173
13	---	---	---	---	---	---	---	---	---	---	---	134
14	---	---	---	---	---	---	---	---	---	---	---	120
15	---	---	---	---	---	---	---	---	---	---	---	66
16	---	---	---	---	---	---	---	---	---	---	---	38
17	---	---	---	---	---	---	---	---	---	---	---	26
18	---	---	---	---	---	---	---	---	---	---	---	27
19	---	---	---	---	---	---	---	---	---	---	---	26
20	---	---	---	---	---	---	---	---	---	---	e420	24
21	---	---	---	---	---	---	---	---	---	---	471	22
22	---	---	---	---	---	---	---	---	---	---	481	20
23	---	---	---	---	---	---	---	---	---	---	513	17
24	---	---	---	---	---	---	---	---	---	---	457	16
25	---	---	---	---	---	---	---	---	---	---	400	18
26	---	---	---	---	---	---	---	---	---	---	308	43
27	---	---	---	---	---	---	---	---	---	---	260	111
28	---	---	---	---	---	---	---	---	---	---	268	195
29	---	---	---	---	---	---	---	---	---	---	262	235
30	---	---	---	---	---	---	---	---	---	---	217	339
31	---	---	---	---	---	---	---	---	---	---	169	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	5,007
MEAN	---	---	---	---	---	---	---	---	---	---	---	167
MAX	---	---	---	---	---	---	---	---	---	---	---	564
MIN	---	---	---	---	---	---	---	---	---	---	---	16
CFSM	---	---	---	---	---	---	---	---	---	---	---	2.78
IN.	---	---	---	---	---	---	---	---	---	---	---	3.10

e Estimated

02255600 FISHEATING CREEK NEAR LAKE PLACID, FL

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	354	2.4	0.58	8.5	6.5	108	0.00	0.00	0.00	0.00	0.28	157
2	310	2.3	0.57	7.8	7.6	62	0.00	0.00	0.00	0.00	2.8	142
3	270	2.5	0.50	7.2	7.7	2.0	0.00	0.00	0.00	0.00	5.9	118
4	233	2.8	0.53	6.6	7.3	e8.7	0.00	0.00	0.00	0.00	18	109
5	202	3.0	0.62	6.0	6.4	e9.5	0.00	0.00	0.00	0.00	67	322
6	169	3.2	0.48	5.3	5.7	7.6	0.00	0.00	0.00	0.00	77	547
7	87	2.9	0.43	4.6	5.1	6.3	0.00	0.00	0.00	0.00	279	546
8	30	2.7	0.48	3.8	3.8	4.8	0.00	0.00	0.00	0.00	403	508
9	32	2.4	0.48	3.5	2.9	2.9	0.00	0.00	0.00	0.00	255	457
10	29	2.2	0.71	3.5	2.3	1.7	0.00	0.00	0.24	0.00	169	424
11	25	2.1	0.54	3.8	1.9	0.70	0.00	0.00	1.2	0.00	189	399
12	22	2.0	0.43	2.7	1.3	0.24	0.00	0.00	0.17	0.00	189	403
13	19	2.0	0.69	2.1	1.1	0.00	0.00	0.00	0.00	0.00	254	349
14	17	1.8	2.0	1.8	0.83	0.00	0.00	0.00	0.00	0.00	379	293
15	14	1.6	1.2	2.2	1.6	0.00	0.00	0.00	2.4	0.00	358	252
16	11	1.5	1.9	1.5	1.8	0.00	0.00	0.00	2.8	0.00	303	223
17	9.8	1.4	26	1.8	1.7	0.00	0.00	0.00	0.87	0.00	238	181
18	9.0	1.1	34	4.9	1.5	0.00	0.00	0.00	0.01	0.00	198	157
19	8.1	1.1	34	8.0	1.1	0.00	0.00	0.00	0.00	0.00	289	127
20	7.2	0.86	34	8.1	0.92	0.00	0.00	0.00	0.00	0.00	266	71
21	6.4	0.85	31	e7.3	0.81	0.00	0.00	0.00	0.00	0.00	236	71
22	5.6	0.77	29	e7.1	0.62	0.00	0.00	0.00	0.00	0.00	266	138
23	5.0	0.85	27	6.7	0.53	0.00	0.00	0.00	0.00	0.00	490	108
24	4.4	0.72	23	6.0	0.18	0.00	0.00	0.00	0.00	0.00	407	170
25	3.6	0.87	20	5.2	e48	0.00	0.00	0.00	0.00	0.00	344	176
26	3.4	0.86	18	4.6	e201	0.00	0.00	0.00	0.00	0.00	361	e829
27	3.1	0.61	16	4.5	188	0.00	0.00	0.00	0.00	0.00	388	e1,080
28	3.0	0.65	14	4.9	167	0.00	0.00	0.00	0.00	0.00	331	e939
29	3.1	0.50	12	4.3	147	0.00	0.00	0.00	0.00	0.00	273	765
30	2.8	0.48	10	3.8	---	0.00	0.00	0.00	0.00	0.00	229	692
31	2.6	---	9.3	3.8	---	0.00	---	0.00	---	0.00	190	---
TOTAL	1,901.1	49.02	349.44	151.9	822.19	214.44	0.00	0.00	7.69	0.00	7,454.98	10,753
MEAN	61.3	1.63	11.3	4.90	28.4	6.92	0.00	0.00	0.26	0.00	240	358
MAX	354	3.2	34	8.5	201	108	0.00	0.00	2.8	0.00	490	1,080
MIN	2.6	0.48	0.43	1.5	0.18	0.00	0.00	0.00	0.00	0.00	0.28	71
CFSM	1.02	0.03	0.19	0.08	0.47	0.12	0.00	0.00	0.00	0.00	4.01	5.97
IN.	1.18	0.03	0.22	0.09	0.51	0.13	0.00	0.00	0.00	0.00	4.62	6.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	61.3	1.63	11.3	4.90	28.4	6.92	0.00	0.00	0.26	0.00	240	263
MAX	61.3	1.63	11.3	4.90	28.4	6.92	0.00	0.00	0.26	0.00	240	358
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	61.3	1.63	11.3	4.90	28.4	6.92	0.00	0.00	0.26	0.00	240	167
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 2003 - 2004

ANNUAL TOTAL	21,703.76	
ANNUAL MEAN	59.3	59.3
HIGHEST ANNUAL MEAN		59.3 2004
LOWEST ANNUAL MEAN		59.3 2004
HIGHEST DAILY MEAN	e1,080 Sep 27	e1,080 Sep 27, 2004
LOWEST DAILY MEAN	0.00 Many days	0.00 Many days
ANNUAL SEVEN-DAY MINIMUM	0.00 Mar 13	0.00 Many days
MAXIMUM PEAK STAGE	79.39 Sep 26, 27	79.39 Sep 26,27, 2004
ANNUAL RUNOFF (CFSM)	0.988	0.988
ANNUAL RUNOFF (INCHES)	13.46	13.43
10 PERCENT EXCEEDS	242	242
50 PERCENT EXCEEDS	1.6	1.6
90 PERCENT EXCEEDS	0.00	0.00

e Estimated

02255600 FISHEATING CREEK NEAR LAKE PLACID, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e1,100	12	2.5	13	2.6	7.9	11	0.49	159	416	63	22
2	967	11	2.5	12	2.5	8.2	10	0.46	344	373	40	21
3	795	e9.7	2.5	11	2.3	e7.4	9.1	0.34	446	318	42	19
4	670	e8.7	2.3	9.6	2.2	e8.3	7.6	22	609	315	39	17
5	580	e7.9	2.1	8.4	2.0	e8.5	6.1	44	759	308	56	14
6	515	e7.2	2.1	7.6	1.9	6.7	5.0	49	801	279	71	14
7	450	e6.7	2.0	6.8	1.7	5.8	4.4	43	677	242	100	14
8	393	e6.1	2.0	6.2	1.6	5.1	4.3	35	583	198	116	13
9	339	e5.7	1.7	5.5	1.5	5.5	3.9	28	514	321	100	12
10	287	5.2	1.6	4.8	1.4	e7.9	3.4	24	489	529	84	11
11	247	4.7	1.6	4.2	1.2	e17	2.9	20	584	471	70	9.0
12	239	4.2	1.4	3.7	0.99	e20	2.7	18	589	389	58	8.1
13	202	4.0	1.2	3.4	0.85	e15	2.6	15	658	326	53	7.2
14	165	3.8	1.0	4.0	0.79	e12	2.2	12	570	300	55	6.4
15	132	3.4	0.87	6.6	0.77	10	1.8	9.5	494	262	76	5.9
16	108	3.1	0.79	8.8	0.71	8.4	1.4	8.1	441	216	60	5.4
17	87	2.9	0.82	9.1	0.68	34	1.1	6.0	390	172	48	5.2
18	57	2.8	1.3	8.7	0.57	110	0.88	5.0	341	142	41	4.3
19	13	2.6	1.3	7.9	0.44	90	0.70	4.0	302	115	35	4.1
20	21	2.5	1.3	6.9	0.42	79	0.62	3.2	346	99	31	3.5
21	31	2.3	1.2	6.2	0.35	70	0.46	2.6	409	85	27	3.1
22	31	2.3	1.2	5.6	0.32	63	0.32	2.1	407	71	24	2.9
23	28	2.2	1.2	5.0	0.29	52	0.17	1.6	539	59	22	2.7
24	25	2.1	1.2	4.3	0.20	43	0.00	1.2	763	50	24	2.6
25	23	2.2	2.6	3.7	e0.24	34	0.00	0.86	735	50	63	2.3
26	21	2.4	13	3.4	e3.4	27	0.00	0.96	587	45	24	2.8
27	19	2.4	17	3.1	e3.0	23	1.4	0.90	525	40	13	5.4
28	18	2.8	17	3.0	4.6	21	0.74	0.74	524	36	19	5.1
29	17	2.8	16	3.0	---	19	0.72	0.57	486	34	25	5.1
30	15	2.6	16	2.9	---	16	0.62	0.44	429	45	24	5.1
31	13	---	15	2.7	---	13	---	2.4	---	101	23	---
TOTAL	7,608	138.3	134.28	191.1	39.52	847.7	86.13	361.46	15,500	6,407	1,526	253.2
MEAN	245	4.61	4.33	6.16	1.41	27.3	2.87	11.7	517	207	49.2	8.44
MAX	1,100	12	17	13	4.6	110	11	49	801	529	116	22
MIN	13	2.1	0.79	2.7	0.20	5.1	0.00	0.34	159	34	13	2.3
CFSM	4.09	0.08	0.07	0.10	0.02	0.46	0.05	0.19	8.61	3.44	0.82	0.14
IN.	4.72	0.09	0.08	0.12	0.02	0.53	0.05	0.22	9.61	3.97	0.95	0.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	153	3.12	7.80	5.53	15.1	17.1	1.44	5.83	258	103	145	178
MAX	245	4.61	11.3	6.16	28.4	27.3	2.87	11.7	517	207	240	358
(WY)	(2005)	(2005)	(2004)	(2005)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	61.3	1.63	4.33	4.90	1.41	6.92	0.00	0.00	0.26	0.00	49.2	8.44
(WY)	(2004)	(2004)	(2005)	(2004)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	27,284.78	33,092.69	
ANNUAL MEAN	74.5	90.7	75.0
HIGHEST ANNUAL MEAN			90.7
LOWEST ANNUAL MEAN			59.3
HIGHEST DAILY MEAN	e1,100	Oct 1	e1,100
LOWEST DAILY MEAN	0.00	Many days	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Mar 13	0.00
MAXIMUM PEAK STAGE			79.48
ANNUAL RUNOFF (CFSM)	1.24		1.51
ANNUAL RUNOFF (INCHES)	16.92		20.52
10 PERCENT EXCEEDS	281		389
50 PERCENT EXCEEDS	2.2		9.0
90 PERCENT EXCEEDS	0.00		0.94

e Estimated

02256500 FISHEATING CREEK AT PALMDALE, FL

LOCATION.--Lat 26° 55'56", long 81° 18'54", in SW 1/4 sec.3, T.41 S., R.30 E., Glades County, Hydrologic Unit 03090103, near right bank on downstream side of southbound bridge on U.S. Highway 27, 1.0 mi south of Palmdale, and 16 mi upstream from Lake Okeechobee.

DRAINAGE AREA.--311 mi².

PERIOD OF RECORD.--April 1931 to current year.

REVISED RECORDS.--WRD FL-66-2: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 27.19 ft above NGVD of 1929. Prior to Mar. 16, 1949, nonrecording gage and Mar. 16, 1949, to Jan. 23, 1956, water-stage recorder, at site 450 ft upstream at same datum.

REMARKS.--Records fair. A maximum discharge, 4,470 ft³/s and stage, 7.74 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 29, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,140	187	14	33	15	24	305	17	30	2,330	423	363
2	4,120	155	14	37	15	24	257	16	165	2,440	415	328
3	4,230	127	13	39	14	26	216	16	691	2,680	448	298
4	3,820	103	13	38	14	30	164	24	2,040	2,650	474	274
5	3,130	84	12	36	13	34	118	29	2,810	2,130	494	253
6	2,500	71	12	34	13	37	86	27	3,050	1,620	558	228
7	1,950	63	12	32	12	38	69	23	2,880	1,250	596	201
8	1,580	56	12	30	12	38	66	20	2,790	1,010	676	170
9	1,340	51	11	28	11	40	62	17	2,610	1,370	733	132
10	1,160	46	11	26	11	57	55	16	2,530	2,370	842	98
11	1,020	42	12	24	10	61	49	16	2,570	3,330	767	88
12	953	38	11	22	10	56	44	17	2,650	3,570	635	107
13	871	34	10	21	9.7	52	40	17	2,810	2,920	528	139
14	790	32	10	21	9.4	52	36	17	2,850	2,150	481	143
15	720	30	9.4	25	9.1	53	32	17	2,580	1,570	533	117
16	668	29	9.1	25	8.8	55	29	16	2,230	1,190	510	81
17	617	27	8.8	24	8.5	232	26	15	1,910	961	443	60
18	566	25	8.7	23	8.3	601	23	14	1,670	808	394	48
19	531	23	8.4	23	7.8	607	21	13	1,430	690	377	40
20	530	21	8.1	23	7.4	673	19	12	1,210	593	362	33
21	508	20	7.9	24	7.0	1,010	17	11	1,030	511	332	28
22	472	19	7.8	25	6.8	1,090	15	9.9	906	447	301	25
23	494	18	7.8	25	6.6	963	14	9.1	833	399	300	23
24	547	17	8.0	24	6.5	822	12	8.3	777	374	312	23
25	516	16	9.0	23	8.2	709	11	7.6	776	368	289	22
26	453	16	14	22	10	622	10	8.9	1,110	346	291	20
27	393	15	17	20	14	540	13	14	1,680	309	303	19
28	339	15	18	19	23	487	16	17	1,880	279	367	18
29	293	15	20	18	---	449	17	15	2,090	353	391	18
30	253	15	23	17	---	406	18	14	2,170	448	407	18
31	218	---	27	16	---	358	---	15	---	445	397	---
TOTAL	39,722	1,410	379.0	797	301.1	10,246	1,860	488.8	54,758	41,911	14,379	3,415
MEAN	1,281	47.0	12.2	25.7	10.8	331	62.0	15.8	1,825	1,352	464	114
MAX	4,230	187	27	39	23	1,090	305	29	3,050	3,570	842	363
MIN	218	15	7.8	16	6.5	24	10	7.6	30	279	289	18
MED	668	30	11	24	10	61	31	16	1,970	1,010	423	85
CFSM	4.12	0.15	0.04	0.08	0.03	1.06	0.20	0.05	5.87	4.35	1.49	0.37
IN.	4.75	0.17	0.05	0.10	0.04	1.23	0.22	0.06	6.55	5.01	1.72	0.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2005, BY WATER YEAR (WY)

MEAN	509	122	71.0	90.7	115	160	52.6	19.2	266	420	494	765
MAX	3,822	750	770	939	1,596	1,234	505	362	1,995	2,525	1,558	3,253
(WY)	(1952)	(1988)	(1998)	(1998)	(1998)	(1970)	(1941)	(1958)	(1982)	(1974)	(2004)	(1947)
MIN	8.05	1.11	0.24	0.26	0.08	0.00	0.00	0.00	0.00	0.00	0.34	16.1
(WY)	(1973)	(1962)	(2001)	(1992)	(1962)	(1956)	(1935)	(1935)	(1935)	(1935)	(1950)	(1996)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1931 - 2005

ANNUAL TOTAL	153,729.96	169,666.9	
ANNUAL MEAN	420	465	259
HIGHEST ANNUAL MEAN			671
LOWEST ANNUAL MEAN			13.6
HIGHEST DAILY MEAN	6,130	Sep 29	30,500
LOWEST DAILY MEAN	0.00	May 28-Jun 1	0.00
ANNUAL SEVEN-DAY MINIMUM	0.04	May 27	0.00
MAXIMUM PEAK FLOW			*31,400
MAXIMUM PEAK STAGE			12.44
ANNUAL RUNOFF (CFSM)	1.35	7.46	0.834
ANNUAL RUNOFF (INCHES)	18.39	1.49	11.33
10 PERCENT EXCEEDS	1,580	1,640	725
50 PERCENT EXCEEDS	23	46	40
90 PERCENT EXCEEDS	4.9	11	0.00

* From rating curve extended above 21,000 ft³/s

02257000 FISHEATING CREEK AT LAKEPORT, FL

LOCATION.--Lat 26° 57'44", long 81° 07'05", in SE 1/4 sec.28, T.40 S., R.32 E., Glades County, Hydrologic Unit 03090103, on right bank, 50 ft upstream from bridge on State Highway 78, 0.8 mi southeast of Lakeport, and 2 mi upstream from Lake Okeechobee.

DRAINAGE AREA.-- Indeterminate.

PERIOD OF RECORD.--September 1948 to December 1950 and September 1971 to July 1974 (discharge measurements only), May 1997 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929 (South Florida Water Management District bench mark). Nonrecording gage 1949-50, 1971-76 at same site.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,110	519	171	170	167	170	461	144	156	2,140	619	527
2	3,960	490	157	173	132	139	398	118	213	2,300	600	507
3	3,640	443	136	151	124	136	333	151	336	2,410	624	516
4	3,300	469	217	164	115	161	339	139	476	2,510	711	499
5	3,150	385	225	158	87	141	340	147	524	2,470	699	531
6	2,890	352	229	140	156	109	337	126	676	2,540	661	502
7	2,500	362	173	153	163	128	336	146	1,780	2,400	688	461
8	2,320	292	153	151	122	127	272	155	2,750	1,950	739	479
9	1,990	282	116	157	143	137	207	133	2,850	1,910	718	440
10	1,750	228	119	153	139	203	261	117	2,770	2,140	798	388
11	1,540	361	169	170	125	207	233	137	2,880	2,060	878	403
12	1,530	264	173	183	116	175	240	144	2,760	2,260	937	402
13	1,410	243	208	192	125	151	217	133	2,730	2,770	1,050	305
14	1,170	175	223	179	124	148	169	152	2,660	2,980	1,080	259
15	1,160	242	145	180	126	145	183	140	2,610	2,770	965	256
16	989	300	124	156	120	150	185	137	2,320	2,430	925	211
17	923	262	144	172	95	528	196	141	2,410	2,050	821	282
18	953	268	140	146	104	777	171	133	2,240	1,690	744	245
19	894	232	158	154	134	707	174	150	1,990	1,590	680	260
20	816	219	126	150	159	620	178	124	1,810	1,300	663	154
21	753	203	159	136	121	634	143	107	1,580	1,160	636	340
22	724	191	168	137	115	557	148	111	1,420	1,000	571	304
23	680	186	131	132	100	555	116	124	1,230	889	517	300
24	704	178	123	150	84	623	165	90	1,080	802	543	245
25	640	236	157	141	123	698	116	68	1,020	707	452	260
26	608	126	179	123	154	679	115	133	947	686	551	237
27	594	188	122	136	167	712	138	110	880	631	611	210
28	570	167	165	109	162	648	155	113	939	570	535	220
29	561	203	150	179	---	567	156	106	1,210	529	582	240
30	565	204	147	151	---	509	168	104	1,660	498	550	225
31	519	---	177	120	---	484	---	126	---	546	515	---
TOTAL	47,913	8,270	4,984	4,766	3,602	11,725	6,650	3,959	48,907	52,688	21,663	10,208
MEAN	1,546	276	161	154	129	378	222	128	1,630	1,700	699	340
MAX	4,110	519	229	192	167	777	461	155	2,880	2,980	1,080	531
MIN	519	126	116	109	84	109	115	68	156	498	452	154

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2005, BY WATER YEAR (WY)

MEAN	884	329	318	319	394	311	132	64.4	349	736	739	1,033
MAX	1,546	848	882	1,420	2,528	1,508	409	128	1,630	2,038	1,529	1,977
(WY)	(2005)	(1999)	(2003)	(1998)	(1998)	(1998)	(1998)	(2005)	(2005)	(2002)	(2001)	(2004)
MIN	323	47.1	67.9	33.9	29.1	30.2	27.0	13.4	5.37	6.49	8.30	45.3
(WY)	(2003)	(1998)	(2000)	(2001)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1993 - 2005

ANNUAL TOTAL	192,840	225,335	
ANNUAL MEAN	527	617	474
HIGHEST ANNUAL MEAN			697
LOWEST ANNUAL MEAN			106
HIGHEST DAILY MEAN	4,110	Oct 1	4,620
LOWEST DAILY MEAN	58	Jul 18	-29
ANNUAL SEVEN-DAY MINIMUM	69	Jul 13	1.6
MAXIMUM PEAK STAGE		18.81	19.14
10 PERCENT EXCEEDS	1,990	Oct 1, 7	1,420
50 PERCENT EXCEEDS	159		152
90 PERCENT EXCEEDS	87		35

Note.--Negative figures indicate reverse flow

02258000 HARNEY POND CANAL NEAR LAKEPORT, FL

LOCATION.--Lat 27°00'58", long 81°04'13" in NE $\frac{1}{4}$ sec.12, T.40 S., R.32 E., Glades County, Hydrologic Unit 03090103, near right bank, 0.1 mi west of State Highway 721, 3.0 mi upstream from mouth, and 3.8 mi northeast of Lakeport.

DRAINAGE AREA.-- Indeterminate.

PERIOD OF RECORD.--September 1948 to November 1950 (discharge measurements only); October 1993 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929 (South Florida Water Management District bench mark).

REMARKS.--Records poor. A maximum stage recorded, 18.58 ft occurred on Oct. 7, 2004, stage falling, peak occurred during period of lost record between Sept. 29, 2004 to Oct. 7, 2004. Discharge not published some days due to missing velocity and stage data. Flow affected by structure S-71, 1.2 mi upstream and by the elevation of Lake Okeechobee.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	400	162	208	-0.10	196	123	131	1,730	1,870	527	---
2	---	312	166	249	32	505	-28	16	2,010	1,960	158	---
3	---	423	628	340	37	235	445	332	1,890	1,880	695	---
4	---	391	658	19	-15	371	339	934	1,750	1,710	551	---
5	---	565	-50	205	16	247	106	836	1,390	1,540	1,240	---
6	---	753	90	278	67	265	83	460	1,460	1,110	910	---
7	1,010	953	208	189	24	240	301	559	1,430	933	980	---
8	922	599	143	320	-64	194	455	593	1,390	807	1,030	---
9	1,150	45	238	227	49	88	264	670	1,190	778	837	---
10	967	-80	76	22	-5.6	704	399	756	1,170	1,280	1,030	---
11	387	118	14	292	-128	520	500	592	1,480	514	1,020	---
12	534	218	33	142	63	503	466	624	1,580	1,070	439	---
13	1,100	125	169	-107	36	515	341	147	1,360	969	241	---
14	934	82	92	156	61	521	490	544	973	821	351	-85
15	617	47	161	609	142	520	259	251	1,110	812	662	-82
16	704	115	147	207	95	413	434	125	1,060	701	635	25
17	649	281	387	395	67	1,080	431	188	961	559	812	-200
18	781	-38	127	347	97	1,640	306	-68	860	623	524	7.7
19	725	57	113	-33	-13	1,190	413	-108	583	750	545	51
20	679	153	-44	114	40	1,030	189	50	594	582	639	86
21	1,090	88	62	129	37	1,020	10	-41	122	402	567	-81
22	1,050	89	229	115	138	799	146	93	408	699	481	-37
23	1,000	93	167	27	-62	739	72	147	186	479	---	31
24	1,070	-110	179	35	-94	604	-105	28	484	366	---	38
25	1,000	25	414	79	96	539	104	259	387	247	---	-83
26	222	12	817	67	45	780	-43	269	415	223	---	-30
27	283	21	913	68	413	487	320	241	255	194	---	-101
28	114	14	638	111	331	333	149	231	241	550	---	29
29	363	-38	601	-115	---	295	247	165	718	477	---	172
30	309	275	527	77	---	262	-200	183	739	313	---	30
31	389	---	247	55	---	44	---	692	---	471	---	---
TOTAL	18,049	5,988	8,312	4,827	1,504.30	16,879	7,016	9,899	29,926	25,690	14,874	-229.3
MEAN	722	200	268	156	53.7	544	234	319	998	829	676	-13.5
MAX	1,150	953	913	609	413	1,640	500	934	2,010	1,960	1,240	172
MIN	114	-110	-50	-115	-128	44	-200	-108	122	194	158	-200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

MEAN	441	278	304	209	175	245	218	220	458	467	543	655
MAX	1,131	654	676	527	753	782	631	545	998	1,127	1,281	1,840
(WY)	(1996)	(1999)	(2003)	(1998)	(1998)	(1998)	(1996)	(1994)	(2005)	(2002)	(2004)	(2004)
MIN	-73.0	122	36.0	-43.8	11.5	50.1	32.4	30.5	14.2	69.0	98.7	-13.5
(WY)	(1995)	(2001)	(2001)	(2001)	(2001)	(2002)	(2002)	(2004)	(2001)	(2004)	(2000)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1994 - 2005

ANNUAL TOTAL	126,555.6		142,735.00		
ANNUAL MEAN	400		424		354
HIGHEST ANNUAL MEAN					445
LOWEST ANNUAL MEAN					171
HIGHEST DAILY MEAN	4,180	Sep 27	2,010	Jun 2	4,180
LOWEST DAILY MEAN	-212	Feb 5	-200	Apr 30, Sep 17	-294
ANNUAL SEVEN-DAY MINIMUM	-4.4	Apr 27	-38	Sep 21	-187
MAXIMUM PEAK STAGE			17.77	Jul 9	18.89
10 PERCENT EXCEEDS	1,270		1,030		858
50 PERCENT EXCEEDS	134		292		228
90 PERCENT EXCEEDS	-24		9.5		-2.0

Note.--Negative figures indicate reverse flow

02262900 BOGGY CREEK NEAR TAFT, FL

LOCATION.--Lat 28° 22'16", long 81° 18'39", in NE 1/4 sec.28, T.24 S., R.30 E., Orange County, Hydrologic Unit 03090101, on left bank 450 ft downstream from Boggy Creek Swamp, 0.2 mi upstream from bridge on Central Florida Greenway, 3.5 mi upstream from mouth, and 5.5 mi southeast of Taft.

DRAINAGE AREA.--83.6 mi².

PERIOD OF RECORD.--September 1959 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 56.08 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Nonrecording gage, Feb. 18, 1991 to Jan. 22, 1993. Auxiliary water-stage recorder on the south side of East Lake Tohopekaliga since Oct.1, 1973, and prior to July 19, 1968. From July 19, 1968, to Sept. 30, 1973, auxiliary water-stage recorder at St. Cloud Canal above S-59.

REMARKS.--Records fair. Some diversion to ground water through drainage wells in lakes upstream from station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	705	47	41	48	47	60	155	21	150	693	119	170
2	610	44	37	43	45	53	140	20	189	610	147	164
3	523	41	33	39	43	42	120	20	210	520	162	150
4	459	39	30	36	41	40	103	28	339	473	150	132
5	414	37	28	33	37	34	88	39	412	453	172	129
6	382	35	27	32	33	30	75	50	455	424	219	131
7	350	32	27	30	32	27	66	49	427	378	253	128
8	312	29	27	29	31	26	60	41	394	332	236	121
9	263	29	26	27	30	29	57	33	394	316	231	113
10	225	29	32	25	29	37	54	27	373	341	215	106
11	203	27	37	24	26	36	49	23	350	348	198	100
12	190	26	33	23	24	34	43	21	386	377	180	92
13	181	31	30	22	23	30	42	19	541	324	168	81
14	161	56	27	100	22	33	40	17	582	287	232	72
15	151	86	23	239	21	43	38	15	505	283	302	64
16	147	98	22	306	20	55	33	14	527	279	294	58
17	143	80	21	283	20	103	28	13	832	273	261	53
18	130	64	21	235	18	194	25	12	922	252	220	49
19	117	54	21	194	17	223	23	11	778	273	195	45
20	119	47	20	162	16	192	21	11	663	306	197	43
21	117	42	20	138	16	151	19	10	568	259	280	47
22	109	38	20	121	16	128	18	9.9	498	222	360	50
23	100	38	21	108	17	146	18	9.7	516	227	351	52
24	90	39	21	94	17	191	19	8.8	522	259	324	47
25	80	40	35	91	16	204	16	8.2	470	234	319	43
26	72	39	67	80	16	209	16	7.5	411	191	315	37
27	65	39	82	70	34	257	22	7.3	365	160	270	33
28	60	45	82	64	48	253	19	7.5	388	136	229	31
29	57	45	69	62	---	223	18	8.0	525	115	205	28
30	53	46	58	56	---	194	17	9.4	729	98	196	26
31	50	---	52	51	---	167	---	44	---	98	193	---
TOTAL	6,638	1,342	1,090	2,865	755	3,444	1,442	614.3	14,421	9,541	7,193	2,395
MEAN	214	44.7	35.2	92.4	27.0	111	48.1	19.8	481	308	232	79.8
MAX	705	98	82	306	48	257	155	50	922	693	360	170
MIN	50	26	20	22	16	26	16	7.3	150	98	119	26
CFSM	2.56	0.54	0.42	1.11	0.32	1.33	0.57	0.24	5.75	3.68	2.78	0.95
IN.	2.95	0.60	0.49	1.27	0.34	1.53	0.64	0.27	6.42	4.25	3.20	1.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

	68.1	40.7	39.7	46.1	47.7	57.7	35.1	16.3	62.6	98.0	117	130
MEAN	68.1	40.7	39.7	46.1	47.7	57.7	35.1	16.3	62.6	98.0	117	130
MAX	257	305	386	273	299	484	180	143	481	527	446	664
(WY)	(1993)	(1995)	(1998)	(2003)	(1998)	(1960)	(1987)	(1991)	(2005)	(2001)	(2004)	(2004)
MIN	3.84	3.12	2.60	3.50	4.30	3.75	1.61	0.38	3.19	5.81	5.96	7.34
(WY)	(1971)	(1971)	(1971)	(1971)	(1985)	(1975)	(1975)	(2000)	(1971)	(1969)	(1980)	(1970)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1959 - 2005

ANNUAL TOTAL	54,001.0	51,740.3	
ANNUAL MEAN	148	142	63.1
HIGHEST ANNUAL MEAN			142
LOWEST ANNUAL MEAN			15.4
HIGHEST DAILY MEAN	1,680	Sep 7	3,400
LOWEST DAILY MEAN	2.0	Jun 2	*0.00
ANNUAL SEVEN-DAY MINIMUM	3.2	May 28	0.00
MAXIMUM PEAK FLOW			a3,680
MAXIMUM PEAK STAGE			a13.64
INSTANTANEOUS LOW FLOW			
ANNUAL RUNOFF (CFSM)	1.76	7.3	0.755
ANNUAL RUNOFF (INCHES)	24.03	23.02	10.26
10 PERCENT EXCEEDS	437	377	150
50 PERCENT EXCEEDS	43	60	27
90 PERCENT EXCEEDS	15	20	5.1

* Many days 1981, 1985, 2000 water years
a From floodmarks

02263800 SHINGLE CREEK AT AIRPORT, NEAR KISSIMMEE, FL

LOCATION.--Lat 28° 18'14", long 81° 27'04", in NW¹/₄ sec.19, T.25 S., R.29 E., Osceola County, Hydrologic Unit 03090101, near center of span on downstream side of bridge on U.S. Highway 192, 1.0 mi northwest of Kissimmee Airport, 3 mi west of Kissimmee, and 5.6 mi upstream from mouth.

DRAINAGE AREA.--89.2 mi².

PERIOD OF RECORD.--October 1958 to current year.

GAGE.--Water-stage recorder. Datum of gage is 60.66 ft above NGVD of 1929.

REMARKS.--Records fair except for period of estimated daily discharge, which is poor. Maximum discharge, 1,000 ft³/s and stage, 9.28 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 28, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	900	58	58	e39	56	98	268	80	167	396	122	185
2	726	56	61	e37	54	109	247	86	211	456	133	222
3	623	52	62	e34	52	117	223	90	257	476	154	252
4	547	50	59	e32	50	119	202	102	391	475	176	203
5	492	49	56	e31	47	111	183	126	485	614	193	177
6	440	47	e50	e29	47	101	162	139	582	507	197	159
7	385	44	e48	e31	46	93	144	143	577	423	195	145
8	334	42	e47	e36	45	88	134	146	544	365	213	131
9	293	41	e46	e39	44	85	124	141	495	326	232	121
10	256	40	e50	e42	43	88	119	129	449	343	239	117
11	225	39	e58	e43	41	88	114	114	423	340	231	110
12	204	37	e50	e44	38	91	109	104	484	363	246	101
13	184	36	e48	e43	38	92	108	94	553	348	283	93
14	163	35	e44	e62	39	96	102	87	612	333	267	85
15	148	34	e41	e186	40	106	98	80	607	315	261	77
16	137	38	e40	e278	42	115	93	73	599	303	243	70
17	129	45	e36	e286	44	161	87	68	560	307	224	65
18	121	54	e33	e282	44	209	83	63	527	310	205	59
19	114	62	e30	262	43	217	78	57	495	321	182	54
20	110	65	e23	229	43	244	73	54	468	314	159	53
21	106	65	e26	194	44	265	69	50	436	287	150	51
22	100	63	e24	162	45	264	64	46	414	268	168	52
23	93	58	e26	132	47	265	60	43	424	250	231	58
24	89	54	e26	107	49	251	63	40	375	231	286	60
25	85	54	e36	93	50	242	59	38	348	212	297	59
26	81	51	e40	84	53	259	59	35	342	194	277	57
27	77	49	e43	78	72	295	84	34	335	173	246	53
28	73	52	e43	72	88	291	78	33	333	151	215	48
29	68	53	e39	68	---	300	75	33	313	133	190	49
30	65	55	e39	65	---	297	74	39	342	117	176	50
31	62	---	e39	60	---	283	---	83	---	108	181	---
TOTAL	7,430	1,478	1,321	3,180	1,344	5,440	3,436	2,450	13,148	9,759	6,572	3,016
MEAN	240	49.3	42.6	103	48.0	175	115	79.0	438	315	212	101
MAX	900	65	62	286	88	300	268	146	612	614	297	252
MIN	62	34	23	29	38	85	59	33	167	108	122	48
CFSM	2.69	0.55	0.48	1.15	0.54	1.97	1.28	0.89	4.91	3.53	2.38	1.13
IN.	3.10	0.62	0.55	1.33	0.56	2.27	1.43	1.02	5.48	4.07	2.74	1.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2005, BY WATER YEAR (WY)

	90.1	53.8	56.5	62.6	63.0	83.3	48.7	27.4	82.9	118	156	166
MEAN	90.1	53.8	56.5	62.6	63.0	83.3	48.7	27.4	82.9	118	156	166
MAX	268	323	451	253	308	506	259	150	438	369	589	680
(WY)	(1970)	(1988)	(1998)	(2003)	(1998)	(1960)	(1987)	(1991)	(2005)	(1991)	(2004)	(2004)
MIN	1.36	2.90	3.12	6.23	10.3	8.73	1.63	0.00	0.00	5.65	9.31	16.0
(WY)	(1959)	(1968)	(1962)	(1962)	(1968)	(2000)	(1963)	(1962)	(1961)	(1962)	(1961)	(1965)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1959 - 2005

ANNUAL TOTAL	62,721.9	58,574	
ANNUAL MEAN	171	160	84.1
HIGHEST ANNUAL MEAN			172
LOWEST ANNUAL MEAN			16.4
HIGHEST DAILY MEAN	1,430	Sep 8	900
LOWEST DAILY MEAN	5.9	Jun 2	e23
ANNUAL SEVEN-DAY MINIMUM	6.8	May 28	27
MAXIMUM PEAK FLOW			640
MAXIMUM PEAK STAGE			8.20
ANNUAL RUNOFF (CFSM)	1.92		1.80
ANNUAL RUNOFF (INCHES)	26.16		24.43
10 PERCENT EXCEEDS	499		364
50 PERCENT EXCEEDS	58		98
90 PERCENT EXCEEDS	19		40
			3,160
			0.00
			0.00
			3,320
			11.00
			0.943
			12.81
			204
			42
			8.1

e Estimated

02263869 SOUTH LAKE OUTLET AT S-15 NEAR VINELAND, FL

LOCATION.--Lat 28° 24'45", long 81° 32'17", in SW 1/4 sec.8, T.24 S., R.28 E., Orange County, Hydrologic Unit 03090101, on right bank at upstream wingwall of control structure S-15, 300 ft south of natural lake shoreline, 1,600 ft west of State Highway 535, and 2.4 mi northwest of Vineland.

DRAINAGE AREA.--2.56 mi².

PERIOD OF RECORD.--June 1972 to September 1982, October 1986 to current year.

REVISED RECORDS.--WDR FL-97-1A: Drainage area.

GAGE.--Water-stage and gate-opening recorder. Datum of gage is at NGVD of 1929 (Reedy Creek Improvement District bench mark). Auxiliary water-stage recorder at downstream side of control structure since May 1970.

REMARKS.--Records poor. Flow regulated by automatic gates in control structure 15. Discharge computed from relation between discharge and gate openings and does not include leakage, which is less than 2.0 ft³/s, around structure or gates. Gage heights are published as elevations for South Lake (station 02263868) in the section of this report entitled ELEVATION OF LAKES.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e67	e2.0	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	2.0
2	62	e2.0	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	2.0
3	58	e1.0	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	3.7	10	3.7
4	57	e0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	5.3	10	2.0
5	57	e0.00	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	3.7	8.5	2.0
6	55	e0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	5.3	8.5	2.0
7	52	e0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	5.3	8.5	3.7
8	50	e0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	3.7	8.5	3.7
9	47	e0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	3.7	8.5	3.7
10	45	e0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	8.5	8.5	2.0
11	51	e0.00	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	8.5	8.5	2.0
12	60	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.5	8.5	2.0
13	54	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	18	8.5	2.0
14	46	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	30	8.5	2.0
15	e37	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	26	8.5	2.0
16	e30	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	23	8.5	2.0
17	e22	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	20	6.9	2.0
18	e18	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	20	6.9	2.0
19	e15	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	18	6.9	2.0
20	e15	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	16	6.9	e2.0
21	e12	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	16	6.9	e2.0
22	e12	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	15	6.9	e2.0
23	e7.0	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	15	6.9	e2.0
24	e4.0	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	15	6.9	e2.0
25	e4.0	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	12	8.5	e2.0
26	e3.0	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	12	8.5	e0.00
27	e3.0	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	12	6.9	e0.00
28	e2.0	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	0.00	10	6.9	e0.00
29	e2.0	0.00	e0.00	0.00	---	0.00	0.00	0.00	0.00	10	e6.9	e0.00
30	e1.0	0.00	e0.00	0.00	---	0.00	0.00	0.00	0.00	10	e6.9	e0.00
31	e1.0	---	e0.00	0.00	---	0.00	---	0.00	---	10	e2.0	---
TOTAL	949.0	5.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	364.20	243.8	56.80
MEAN	30.6	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.7	7.86	1.89
MAX	67	2.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30	10	3.7
MIN	1.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.0	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2005, BY WATER YEAR (WY)

	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
MEAN	2.07	0.26	0.67	0.59	0.47	0.46	0.30	0.09	0.02	0.50	1.11	2.23
MAX	30.6	2.61	11.9	8.91	10.4	6.28	7.12	1.35	0.27	11.7	14.8	28.6
(WY)	(2003)	(1989)	(2003)	(2003)	(1998)	(1998)	(1987)	(2004)	(2004)	(2005)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1973)	(1973)	(1973)	(1973)	(1973)	(1973)	(1973)	(1973)	(1973)	(1972)	(1972)	(1972)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1972 - 2005

ANNUAL TOTAL	1,949.50	1,618.80				
ANNUAL MEAN	5.33	4.44	0.74			
HIGHEST ANNUAL MEAN			4.52			
LOWEST ANNUAL MEAN			*0.00			
HIGHEST DAILY MEAN	e79	Sep 27	e67	Oct 1	e79	Sep 27, 2004
LOWEST DAILY MEAN	0.00	Many days	0.00	Many days	0.00	Many days
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Nov 4	0.00	Many days
MAXIMUM PEAK STAGE			94.34	Jul 13	94.85	Apr 6, 1987
10 PERCENT EXCEEDS	18		12		0.75	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated

*1977,1978,1981,1999,2000,2001

KISSIMMEE RIVER BASIN

02264000 CYPRESS CREEK AT VINELAND, FL

LOCATION.--Lat 28° 23'25", long 81° 31'11", in NW 1/4 sec.21, T.24 S., R.28 E., Orange County, Hydrologic Unit 03090101, at upstream side of culverts on State Highway 535, 1.0 mi west of Vineland.

DRAINAGE AREA.--29.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1945 to February 2003, March 2003 to February 2005 (discharge measurements only), March 2005 to current year.

REVISED RECORDS.--WDR FL-89-1A: 1960(M), WDR FL-96-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 96.20 ft above NGVD of 1929. Prior to June 13, 1946, nonrecording gage at same site and datum.

REMARKS.--Records good. A maximum stage, 5.51 ft occurred on Oct. 1, stage falling, peak occurred on Sept. 26, 2004. Daily discharge for the 2004 water year and Oct. 1, 2004 to February 24, 2005, were not published due to ongoing road construction.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	20	29	6.7	5.4	134	39	42
2	---	---	---	---	---	18	27	6.5	6.8	137	36	45
3	---	---	---	---	---	16	24	6.8	8.1	140	39	47
4	---	---	---	---	---	16	22	8.0	9.7	137	44	46
5	---	---	---	---	---	15	20	7.7	9.2	129	40	47
6	---	---	---	---	---	14	19	7.4	8.5	120	37	46
7	---	---	---	---	---	13	18	7.0	7.8	112	36	46
8	---	---	---	---	---	12	17	6.7	7.1	103	41	47
9	---	---	---	---	---	12	16	6.4	6.8	104	44	47
10	---	---	---	---	---	12	15	6.2	6.9	126	41	44
11	---	---	---	---	---	12	15	5.9	10	127	34	41
12	---	---	---	---	---	11	14	6.0	31	127	32	39
13	---	---	---	---	---	11	14	5.6	65	143	32	37
14	---	---	---	---	---	11	13	5.3	63	171	32	35
15	---	---	---	---	---	12	12	e5.0	61	152	31	31
16	---	---	---	---	---	12	12	e4.9	59	137	30	29
17	---	---	---	---	---	17	11	e4.7	59	130	28	26
18	---	---	---	---	---	23	10	e4.6	56	104	26	25
19	---	---	---	---	---	21	9.6	e4.4	52	83	24	24
20	---	---	---	---	---	19	9.0	e4.2	54	77	27	23
21	---	---	---	---	---	17	8.5	e4.1	59	71	44	23
22	---	---	---	---	---	17	7.9	e3.9	69	64	50	23
23	---	---	---	---	---	18	7.6	e3.9	69	60	53	23
24	---	---	---	---	---	19	7.5	e3.7	69	60	57	23
25	---	---	---	---	23	19	7.0	e3.7	69	59	58	21
26	---	---	---	---	20	20	6.8	e3.6	65	55	56	20
27	---	---	---	---	22	24	8.0	e3.6	66	52	51	19
28	---	---	---	---	22	25	7.5	e3.6	85	48	46	17
29	---	---	---	---	25	25	7.0	e3.5	103	45	44	17
30	---	---	---	---	25	25	6.5	e3.4	130	42	42	19
31	---	---	---	---	25	25	---	e4.1	---	40	42	---
TOTAL	---	---	---	---	---	531	400.9	161.1	1,370.3	3,089	1,236	972
MEAN	---	---	---	---	---	17.1	13.4	5.20	45.7	99.6	39.9	32.4
MAX	---	---	---	---	---	25	29	8.0	130	171	58	47
MIN	---	---	---	---	---	11	6.5	3.4	5.4	40	24	17
CFSM	---	---	---	---	---	0.58	0.46	0.18	1.56	3.40	1.36	1.11
IN.	---	---	---	---	---	0.67	0.51	0.20	1.74	3.92	1.57	1.23

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2005, BY WATER YEAR (WY)

	11.4	5.41	4.83	6.03	5.30	7.30	4.97	1.72	2.64	6.04	9.54	13.7
MEAN	11.4	5.41	4.83	6.03	5.30	7.30	4.97	1.72	2.64	6.04	9.54	13.7
MAX	82.2	37.0	46.5	101	82.0	83.4	51.9	19.5	45.7	99.6	74.4	109
(WY)	(1954)	(1954)	(1998)	(1998)	(1998)	(1998)	(1960)	(1960)	(2005)	(2005)	(1959)	(1960)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1979)	(1973)	(1981)	(1968)	(1974)	(1974)	(1956)	(1962)	(1973)	(1973)	(1977)	(1980)

SUMMARY STATISTICS

FOR 2005 WATER YEAR

WATER YEARS 1945 - 2005

ANNUAL TOTAL	7,847.3	6.60	
ANNUAL MEAN	36.0	6.60	
HIGHEST ANNUAL MEAN		49.6	1945
LOWEST ANNUAL MEAN		0.02	1981
HIGHEST DAILY MEAN	171	276	Sep 11, 1960
LOWEST DAILY MEAN	e3.4	0.00	Many days
ANNUAL SEVEN-DAY MINIMUM	3.6	0.00	Many days
MAXIMUM PEAK FLOW	a182	309	Sep 11, 1960
MAXIMUM PEAK STAGE	4.12	5.57	Sep 26, 2004
ANNUAL RUNOFF (CFSM)	1.23	0.225	
ANNUAL RUNOFF (INCHES)	9.96	3.06	
10 PERCENT EXCEEDS	83	19	
50 PERCENT EXCEEDS	23	0.87	
90 PERCENT EXCEEDS	6.0	0.00	

e Estimated

a May have been higher in Oct 2004

02264000 CYPRESS CREEK AT VINELAND, FL—Continued

DISCHARGE MEASUREMENTS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)
OCT 19..	1125	4.99	99.0	DEC 14..	1135	3.42	40.6

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963, 1966, 1968-73, 1975-94, 1996-98, 2000 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 2001 to current year.

WATER TEMPERATURE: July 2001 to current year.

DISSOLVED OXYGEN: July 2001 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Extremes for current year and extremes for period of daily record are based on recorded values and may have been exceeded during periods of no record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 527 $\mu\text{S}/\text{cm}$ @ 25 °C, July 13, 2001; minimum daily mean, 79 $\mu\text{S}/\text{cm}$ @ 25 °C, Aug. 20-22, 2004.

WATER TEMPERATURE: Maximum daily mean, 29.0 °C, July 22, 2005; minimum daily mean, 8.3 °C, Jan. 25, 2003.

DISSOLVED OXYGEN: Maximum daily mean, 6.7 mg/L, Feb. 15, 2005; minimum daily mean, 0.0 mg/L, many days.

EXTREMES FOR CURRENT PERIOD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 160 $\mu\text{S}/\text{cm}$ @ 25 °C, Dec. 24, Feb. 15; minimum daily mean, 96 $\mu\text{S}/\text{cm}$ @ 25 °C, June 15-17.

WATER TEMPERATURE: Maximum daily mean, 29.0 °C, July 22; minimum daily mean, 11.5 °C, Jan. 24.

DISSOLVED OXYGEN: Maximum daily mean, 6.7 mg/L, Feb. 15; minimum daily mean, 0.0 mg/L, many days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	142	---	159	151	141	128	138	133	107	139	137
2	116	142	---	159	151	143	130	138	136	108	139	136
3	119	---	---	159	151	144	132	136	132	110	136	137
4	122	---	150	159	152	145	134	134	131	114	134	138
5	126	---	150	159	151	146	136	134	131	118	133	138
6	128	---	151	159	153	147	137	134	130	122	134	140
7	128	---	152	159	155	149	137	134	129	124	134	141
8	128	---	152	158	152	149	137	134	129	127	132	139
9	128	---	152	157	152	147	136	135	128	128	129	139
10	129	---	152	156	152	148	136	135	127	127	130	141
11	131	---	154	156	152	148	138	135	120	130	132	144
12	130	---	154	156	153	150	139	135	109	132	133	147
13	---	---	155	156	153	152	141	135	102	131	134	149
14	---	---	155	140	156	149	141	135	99	124	134	149
15	---	---	155	139	160	147	142	134	96	127	136	149
16	---	---	156	139	159	144	142	134	96	127	137	151
17	---	---	157	141	159	136	144	134	96	126	137	154
18	---	146	157	143	158	133	146	135	100	126	138	154
19	---	146	156	145	157	136	146	135	105	126	141	154
20	136	148	157	146	156	138	145	135	107	125	138	153
21	137	149	157	146	156	138	143	134	107	125	130	153
22	137	149	157	146	153	138	143	134	105	128	131	152
23	138	149	159	146	141	134	143	134	105	131	132	150
24	139	149	160	147	142	132	142	134	105	131	129	150
25	139	150	156	147	145	131	143	134	107	133	131	151
26	139	149	156	148	144	129	142	133	110	137	132	152
27	140	---	158	148	140	127	141	135	111	139	135	152
28	139	---	158	149	140	129	141	133	110	139	136	152
29	139	---	159	150	---	131	143	133	109	138	138	151
30	140	---	158	151	---	131	141	133	107	138	137	152
31	141	---	158	151	---	133	---	131	---	139	136	---
MEAN	---	---	---	151	152	140	140	134	114	127	134	147
MAX	---	---	---	159	160	152	146	138	136	139	141	154
MIN	---	---	---	139	140	127	128	131	96	107	129	136

02264000 CYPRESS CREEK AT VINELAND, FL—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	23.2	---	15.2	14.5	17.4	23.1	22.0	23.5	26.5	27.5	27.6
2	26.2	23.4	---	15.7	15.0	15.6	23.0	22.2	23.7	26.8	27.7	27.7
3	26.1	---	---	15.9	15.8	14.0	20.2	22.2	23.7	27.2	27.7	27.5
4	26.1	---	17.0	16.2	14.9	14.5	19.7	21.9	23.7	27.7	28.0	27.3
5	26.0	---	16.8	16.9	13.8	15.0	20.4	21.8	24.2	28.2	27.5	26.9
6	25.8	---	17.8	17.4	14.6	15.6	21.2	21.1	24.8	28.5	27.4	26.7
7	25.5	---	18.8	18.0	15.5	16.6	21.4	20.9	25.5	28.8	27.2	26.6
8	24.9	---	19.5	18.4	16.2	17.4	21.5	21.3	25.9	28.9	26.7	26.4
9	24.8	---	19.9	18.4	16.5	15.1	21.3	21.8	25.5	28.2	26.7	26.2
10	24.8	---	20.3	18.2	16.7	14.6	21.2	22.1	25.1	27.2	27.0	26.4
11	24.5	---	19.0	18.1	14.2	15.2	21.0	22.2	25.4	27.6	27.7	26.4
12	24.3	---	16.4	18.4	13.4	15.8	21.6	22.4	26.1	27.5	27.5	26.5
13	---	---	16.0	19.2	13.7	16.6	22.1	22.6	26.6	27.7	27.4	26.5
14	---	---	15.6	19.2	14.7	17.7	20.6	22.7	27.1	27.3	27.8	26.2
15	---	---	13.3	17.7	16.0	18.2	19.6	22.9	27.4	27.5	27.7	26.1
16	---	---	13.5	16.2	16.7	19.2	18.9	23.3	27.3	28.0	28.3	26.2
17	---	---	14.7	14.2	17.3	19.1	18.8	24.0	27.0	28.1	28.7	26.4
18	---	19.5	15.4	12.9	17.1	17.5	19.1	24.1	27.0	28.2	28.8	26.5
19	---	19.6	14.7	12.8	15.7	16.1	19.7	24.0	26.7	28.0	28.5	26.8
20	23.5	19.8	12.7	13.1	15.7	16.8	20.1	24.1	26.3	28.2	28.2	26.7
21	24.0	20.0	12.2	13.7	16.2	17.5	20.5	24.3	26.0	28.6	27.8	26.6
22	23.8	20.3	13.7	14.6	17.8	19.3	21.0	24.2	25.5	29.0	28.0	26.4
23	23.3	20.6	14.9	14.3	20.3	20.1	20.6	24.4	25.1	28.8	28.3	26.3
24	22.8	21.0	15.2	11.5	18.9	19.9	19.6	24.5	25.0	28.6	28.2	26.5
25	22.8	21.2	13.9	11.6	18.6	20.6	18.7	24.8	25.3	28.3	28.1	26.3
26	22.6	18.8	13.4	12.6	18.2	21.1	19.4	23.3	26.2	28.2	28.3	26.3
27	22.5	---	11.9	13.9	18.4	22.0	20.3	23.5	26.7	28.7	28.2	26.1
28	22.4	---	12.6	14.2	18.6	22.4	20.4	24.4	26.5	28.6	28.3	25.6
29	22.5	---	13.4	14.9	---	21.1	20.9	24.3	26.5	28.5	28.4	25.4
30	22.8	---	14.0	15.7	---	20.6	22.1	24.7	26.3	28.1	28.4	25.6
31	23.0	---	14.5	15.1	---	21.7	---	24.0	---	27.6	28.1	---
MEAN	---	---	---	15.6	16.2	17.9	20.6	23.1	25.7	28.0	27.9	26.5
MAX	---	---	---	19.2	20.3	22.4	23.1	24.8	27.4	29.0	28.8	27.7
MIN	---	---	---	11.5	13.4	14.0	18.7	20.9	23.5	26.5	26.7	25.4

02264000 CYPRESS CREEK AT VINELAND, FL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	0.5	---	2.0	3.4	---	2.4	2.7	1.8	0.7	0.5	0.0
2	1.4	0.5	---	1.8	3.1	---	2.3	2.8	1.8	0.7	0.7	0.1
3	1.0	---	---	1.8	3.5	3.7	2.5	2.6	1.9	0.6	0.8	0.0
4	0.8	---	0.4	1.8	3.3	---	2.6	2.2	1.8	0.8	0.9	0.1
5	0.6	---	0.4	1.6	3.8	---	2.6	2.4	1.9	0.9	0.8	0.0
6	0.3	---	0.5	1.6	3.9	---	2.5	2.6	1.9	1.1	0.8	0.0
7	0.2	---	0.5	1.5	3.6	---	2.1	2.7	1.8	1.0	0.5	0.1
8	0.1	---	0.4	1.5	3.6	---	2.3	2.7	1.8	0.8	0.5	0.0
9	0.1	---	0.3	1.5	3.5	3.7	2.3	2.6	1.8	0.6	0.6	0.0
10	0.1	---	0.3	1.5	3.5	---	2.2	2.4	1.8	0.2	0.6	0.2
11	0.1	---	0.3	1.6	3.8	---	2.5	2.5	1.9	0.4	0.6	0.3
12	0.1	---	0.3	1.6	4.2	---	2.4	2.4	1.3	0.4	0.3	0.4
13	0.1	---	0.4	1.5	4.3	---	2.4	2.4	0.9	0.9	0.4	0.5
14	---	---	0.6	2.1	5.0	---	2.2	2.3	0.8	0.5	0.3	0.5
15	---	---	0.9	1.1	6.7	---	2.9	2.1	0.6	0.7	0.3	0.6
16	---	---	1.2	1.4	4.9	---	3.1	1.9	0.5	0.8	0.3	0.7
17	---	---	1.2	1.7	3.7	3.1	3.3	1.7	0.4	0.6	0.2	0.9
18	---	0.2	1.2	2.1	4.8	3.5	3.3	1.7	0.4	0.7	0.1	0.9
19	0.2	0.2	1.3	2.4	4.6	3.9	3.3	1.6	0.6	0.3	0.1	0.9
20	0.1	0.3	1.6	2.6	4.3	---	3.4	1.6	0.7	0.6	0.1	0.8
21	0.1	0.3	1.9	2.7	4.6	3.3	3.3	1.3	0.9	0.7	0.0	0.6
22	0.1	0.3	1.8	2.7	2.9	3.7	3.3	1.0	0.7	0.8	0.0	0.3
23	0.2	0.3	1.5	2.6	3.7	2.8	3.0	1.0	0.6	0.5	0.0	0.3
24	0.3	0.2	1.4	3.2	1.8	2.9	3.5	1.0	0.7	0.7	0.0	0.2
25	0.3	0.2	2.2	3.4	2.0	2.6	3.7	0.7	0.7	0.6	0.0	0.3
26	0.3	0.1	1.9	3.4	2.7	2.6	3.5	0.8	1.0	0.6	0.0	0.5
27	0.3	0.1	2.3	3.3	2.6	2.7	3.4	0.9	0.9	0.7	0.0	0.7
28	0.3	---	2.4	2.6	3.2	2.5	3.5	0.7	0.8	0.5	0.0	0.7
29	0.3	---	2.3	3.2	---	2.7	3.4	0.6	0.7	0.6	0.0	0.9
30	0.4	---	2.2	3.0	---	2.8	3.2	0.5	0.6	0.7	0.0	1.0
31	0.4	---	2.2	3.1	---	2.7	---	1.1	---	0.7	0.1	---
MEAN	---	---	---	2.2	3.8	---	2.9	1.8	1.1	0.7	0.3	0.4
MAX	---	---	---	3.4	6.7	---	3.7	2.8	1.9	1.1	0.9	1.0
MIN	---	---	---	1.1	1.8	---	2.1	0.5	0.4	0.2	0.0	0.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, ftrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 deg C (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, ftrd, mg/L (00915)	Magnesium, water, ftrd, mg/L (00925)	Potassium, water, ftrd, mg/L (00935)	Sodium, water, ftrd, mg/L (00930)
JUL 13...	0830	3.88	128	150	.3	4.5	131	27.2	19	3.54	2.50	6.64	12.1
Date	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, ftrd, mg/L (00940)	Fluoride, water, ftrd, mg/L (00950)	Sulfate, water, ftrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, ftrd, mg/L as N (00608)	Nitrite + nitrate, water, ftrd, mg/L as N (00631)	Nitrite, water, ftrd, mg/L as N (00613)	Orthophosphate, water, ftrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic, water, unfltrd ug/L (01002)
JUL 13...	<5	24.0	E.1	14.8	.90	E.03	<.06	<.008	E.01	.05	16.5	44	<2
Date	Beryllium, water, unfltrd recoverable, ug/L (01012)	Cadmium, water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury, water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Zinc, water, unfltrd recoverable, ug/L (01092)		
JUL 13...	<.06	<.04	E.8	E.5	190	.35	6	.01	.35	E.4	3		

02264003 CYPRESS CREEK CANAL AT S-103A NEAR VINELAND, FL

LOCATION.--Lat 28° 23' 21", long 81° 31' 31", in SW 1/4 sec. 20, T. 24 S., R. 28 E., Orange County, Hydrologic Unit 03090101, on upstream side of control structure S-103A, 200 ft northeast of Buena Vista Drive, 1,800 ft downstream from State Highway 535, and 1.3 mi west of Vineland.

DRAINAGE AREA.--29.5 mi².

PERIOD OF RECORD.--October 1986 to September 2002 (gage heights and discharge measurements only); October 2002 to current year.

REVISED RECORDS.--WDR FL-96-1A: Drainage area.

GAGE.--Water-stage recorder, gate-opening recorder, and data-collection platform. Datum of gage is at NGVD of 1929 (Reedy Creek Improvement District bench mark). Auxilliary gage at downstream side of control structure 103A.

REMARKS.--Records poor. Flow regulated by operation of structure 103A. Discharge computed from relation between discharge and gate openings and does not include leakage around structure or gates, which is less than 1.0 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	e47	39	e13	18	12	23	1.2	6.0	e70	58	51
2	91	e46	40	e12	17	9.5	21	1.2	6.0	e68	54	56
3	88	e49	39	e12	17	9.5	20	1.2	9.5	e66	61	57
4	89	e47	39	e12	17	9.5	18	2.4	9.5	e62	67	55
5	88	e46	38	e11	15	7.2	15	2.4	8.3	e60	62	56
6	87	e45	33	e11	15	6.0	12	2.4	7.2	e64	57	55
7	83	e45	32	e15	14	3.6	9.5	1.2	6.0	e58	56	55
8	81	e44	32	e14	14	2.4	9.5	1.2	4.8	e55	66	56
9	80	e45	33	e15	13	3.6	8.3	1.2	3.6	e59	69	57
10	77	e48	32	e14	12	3.6	7.2	1.2	4.8	e75	64	55
11	81	e46	29	e13	12	3.6	7.2	1.2	12	e73	56	51
12	80	e45	26	e13	11	2.4	4.8	1.2	42	e72	51	47
13	76	e44	e26	13	11	1.2	4.8	1.2	64	e70	49	44
14	76	e44	e25	31	7.2	3.6	4.8	1.2	63	e100	49	42
15	75	e46	e21	36	2.4	3.6	3.6	1.2	61	e120	48	39
16	e65	e50	e19	37	2.4	4.8	2.4	1.2	60	e115	45	37
17	e70	e47	e19	34	2.4	13	1.2	1.2	57	e113	42	34
18	e55	e46	e18	36	2.4	20	1.2	1.2	55	e110	39	32
19	e57	e45	e17	35	2.4	17	3.6	1.2	51	106	38	30
20	e56	e44	e17	30	2.4	14	2.4	1.2	54	102	43	29
21	e55	e44	e15	27	2.4	13	2.4	0.00	57	98	62	29
22	e54	e43	e14	26	3.6	11	1.2	0.00	55	94	67	29
23	e54	e43	e13	26	6.0	12	1.2	0.00	54	83	67	30
24	e53	e43	e12	23	23	14	1.2	0.00	54	81	70	28
25	e52	e46	e18	23	17	14	1.2	0.00	52	80	69	25
26	e51	e44	e20	24	14	14	1.2	0.00	51	75	64	24
27	e49	e43	e20	23	15	19	2.4	0.00	e56	70	60	23
28	e49	e41	e19	21	14	19	1.2	0.00	e61	68	55	22
29	e49	e42	e15	20	---	19	1.2	0.00	e68	66	e52	20
30	e50	40	e14	18	---	19	1.2	0.00	e74	61	e51	22
31	e48	---	e13	19	---	19	---	2.4	---	58	51	---
TOTAL	2,111	1,348	747	657	302.6	323.1	193.9	30.00	1,166.7	2,452	1,742	1,190
MEAN	68.1	44.9	24.1	21.2	10.8	10.4	6.46	0.97	38.9	79.1	56.2	39.7
MAX	92	50	40	37	23	20	23	2.4	74	120	70	57
MIN	48	40	12	11	2.4	1.2	1.2	0.00	3.6	55	38	20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	31.3	22.6	14.0	22.8	12.2	16.5	7.05	3.00	15.9	31.7	53.1	65.9
MAX	68.1	44.9	24.1	40.5	15.6	22.6	7.95	4.78	38.9	79.1	56.2	99.0
(WY)	(2005)	(2005)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2005)	(2005)	(2004)
MIN	1.39	2.92	8.10	6.76	10.3	10.4	6.46	0.97	2.80	3.65	49.3	39.7
(WY)	(2003)	(2003)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	10,226.40		12,263.30			
ANNUAL MEAN	27.9		33.6		24.7	
HIGHEST ANNUAL MEAN					33.6	
LOWEST ANNUAL MEAN					19.8	
HIGHEST DAILY MEAN	e120 Sep 26		e120 Jul 15		a, e120	
LOWEST DAILY MEAN	0.00 Many days		0.00 May 21-30		0.00 Many days	
ANNUAL SEVEN-DAY MINIMUM	0.00 May 22		0.00 May 21		0.00 Many days	
MAXIMUM PEAK STAGE			93.57 Jul 18		93.62 Sep 29, 2004	
10 PERCENT EXCEEDS	80		70		69	
50 PERCENT EXCEEDS	12		29		14	
90 PERCENT EXCEEDS	1.2		1.2		1.2	

e Estimated
a Sep 26, 2004, Jul 15, 2005

02264051 BLACK LAKE OUTLET AT S-101A, AT LAKE BUENA VISTA, FL

LOCATION.--Lat 28° 22'28", long 81° 31'01", in NE 1/4 sec.28, T.24 S., R.28 E., Orange County, Hydrologic Unit 03090101, on right upstream wingwall of drop culvert at Buena Vista Drive at Lake Buena Vista, and 1.7 mi upstream from Bonnet Creek.

DRAINAGE AREA.--0.69 mi².

PERIOD OF RECORD.--October 1986 to current year.

REVISED RECORDS.--WDR FL-97-1A: Drainage area.

GAGE.--Water-stage recorder, sharp-crested weir, sluice gate, and data-collection platform. Datum of gage is at NGVD of 1929 (Reedy Creek Improvement District bench mark).

REMARKS.--Records fair except for those below 5.0 ft³/s and period of estimated daily discharge, which are poor. Flow can be regulated by manipulation of sluice gate.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e9.8	e0.55	e0.45	e0.35	e0.30	e1.0	0.96	1.6	6.4	5.7	1.7	5.9
2	e7.9	e0.50	e0.45	e0.30	e0.30	e0.80	0.46	0.54	3.6	3.4	1.7	11
3	e6.1	e0.50	e0.40	e0.30	e0.35	e0.70	0.26	0.64	3.6	2.6	8.3	17
4	e5.2	e0.45	e0.40	e0.25	e0.35	e0.75	0.23	1.6	2.2	1.7	7.9	8.5
5	e4.2	e0.45	e0.35	e0.25	e0.35	e0.70	0.22	0.59	1.1	1.5	11	5.0
6	e3.1	e0.40	e0.30	e0.25	e0.30	e0.60	0.17	0.38	0.76	1.0	4.0	4.0
7	e1.9	e0.40	e0.30	e0.25	e0.30	e0.60	0.39	0.24	0.65	0.92	3.3	4.3
8	e1.4	e0.40	e0.30	e0.25	e0.30	e0.60	0.47	0.21	0.61	0.99	13	3.6
9	e1.2	e0.40	e0.30	e0.25	e0.30	e0.60	0.24	0.19	0.75	3.0	13	2.2
10	e1.0	e0.40	e0.30	e0.20	e0.30	e0.60	0.16	0.18	0.88	7.4	10	2.0
11	e2.7	e0.40	e0.35	e0.25	e0.30	e0.50	0.11	0.31	6.8	2.0	4.1	1.4
12	e2.9	e0.40	e0.30	e0.25	e0.35	e0.35	0.09	0.41	13	1.5	10	1.1
13	e1.6	e0.40	e0.30	e0.25	e0.45	e0.30	0.39	0.24	12	7.2	8.9	0.92
14	e1.2	e0.40	e0.30	e14	e0.50	e0.45	0.24	0.18	3.7	11	5.4	0.77
15	e1.3	e0.35	e0.25	e5.4	e0.60	e0.75	0.14	0.18	3.7	3.5	4.1	0.80
16	e1.2	e0.30	e0.25	e2.5	e0.60	e0.75	0.08	0.18	2.4	1.3	2.9	0.80
17	e0.90	e0.30	e0.25	e1.8	e0.65	e3.0	0.04	0.18	1.4	1.3	3.0	0.65
18	e0.80	e0.30	e0.25	e1.1	e0.65	e2.5	0.10	0.19	0.83	1.2	4.2	0.58
19	e0.80	e0.25	e0.25	e0.90	e0.65	e1.2	0.15	0.22	0.67	0.83	5.5	0.51
20	e0.80	e0.25	e0.20	e0.80	e0.65	e1.0	0.20	0.24	0.98	0.67	9.8	0.40
21	e0.80	e0.25	e0.20	e0.70	e0.70	e0.80	0.22	0.25	1.7	0.48	16	0.41
22	e0.70	e0.25	e0.20	e0.65	e0.70	e0.80	0.16	0.16	2.2	0.42	11	0.84
23	e0.70	e0.25	e0.20	e0.60	e0.75	e1.1	0.30	0.14	1.3	0.40	8.3	1.6
24	e0.60	e0.30	e0.20	e0.50	e1.2	e0.95	0.36	0.14	0.83	0.66	18	4.3
25	e0.60	e0.50	e0.80	e0.45	e1.1	1.0	0.16	0.15	0.52	0.56	22	2.5
26	e0.60	e0.55	e2.1	e0.45	e0.80	1.1	0.78	0.09	0.39	0.37	12	1.4
27	e0.55	e0.50	e0.95	e0.40	e2.2	0.91	2.1	0.11	0.84	0.28	8.8	1.2
28	e0.50	e0.65	e0.70	e0.40	e1.6	0.53	0.42	0.17	2.5	0.40	5.8	0.91
29	e0.50	e0.60	e0.55	e0.40	---	0.40	0.25	0.20	4.9	0.94	4.2	0.92
30	e0.60	e0.50	e0.45	e0.35	---	0.34	0.27	0.25	10	0.96	3.4	0.88
31	e0.60	---	e0.40	e0.35	---	0.36	---	5.9	---	1.6	5.5	---
TOTAL	62.75	12.15	13.00	35.15	17.60	26.04	10.12	16.06	91.21	65.78	246.8	86.39
MEAN	2.02	0.41	0.42	1.13	0.63	0.84	0.34	0.52	3.04	2.12	7.96	2.88
MAX	9.8	0.65	2.1	14	2.2	3.0	2.1	5.9	13	11	22	17
MIN	0.50	0.25	0.20	0.20	0.30	0.30	0.04	0.09	0.39	0.28	1.7	0.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

MEAN	2.36	1.52	1.52	1.22	1.10	1.69	1.15	1.12	2.85	5.05	5.35	4.15
MAX	11.7	7.02	7.71	3.44	3.85	6.86	3.23	4.44	12.7	21.0	10.8	11.7
(WY)	(2000)	(1988)	(1998)	(2003)	(1998)	(1987)	(1992)	(1991)	(2002)	(2002)	(2004)	(1998)
MIN	0.12	0.39	0.42	0.37	0.33	0.25	0.08	0.24	0.22	0.61	0.44	0.82
(WY)	(2001)	(2001)	(2005)	(2000)	(2000)	(2000)	(2000)	(2000)	(1998)	(1989)	(1989)	(1997)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1987 - 2005

ANNUAL TOTAL	1,017.99	683.05	
ANNUAL MEAN	2.78	1.87	2.43
HIGHEST ANNUAL MEAN			4.14
LOWEST ANNUAL MEAN			1.11
HIGHEST DAILY MEAN	e61	Sep 26	22
LOWEST DAILY MEAN	0.00	Jun 2, 3	0.04
ANNUAL SEVEN-DAY MINIMUM	0.08	May 28	0.13
MAXIMUM PEAK FLOW			127
MAXIMUM PEAK STAGE			94.92
10 PERCENT EXCEEDS	7.4		5.5
50 PERCENT EXCEEDS	0.60		0.61
90 PERCENT EXCEEDS	0.29		0.22

e Estimated

02264060 LATERAL 101 AT S-101, NEAR LAKE BUENA VISTA, FL

LOCATION.--Lat 28° 22'15", long 81° 31'45", in NE 1/4 sec.29, T.24 S., R.28 E., Orange County, Hydrologic Unit 03090101, on right bank at upstream side of control structure S-101, 0.1 mi north of Buena Vista Drive, 0.5 mi upstream from mouth, and 0.9 mi west of Lake Buena Vista.

DRAINAGE AREA.--32.5 mi².

PERIOD OF RECORD.--October 1986 to current year.

REVISED RECORDS.--WDR FL-96-1A: Drainage area.

GAGE.--Water-stage recorder, gate-opening recorder, and data-collection platform. Datum of gage is at NGVD of 1929 (Reedy Creek Improvement District bench mark). Auxiliary gage at downstream side of control structure 101.

REMARKS.--Records fair. Flow regulated by operation of structure 101. Discharge computed from relation between discharge and gate openings and does not include leakage around structure or gates, which is less than 5.0 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	75	47	23	22	12	43	11	31	110	66	52
2	123	74	48	20	22	15	32	5.4	18	109	70	68
3	121	79	46	20	24	13	26	4.3	28	109	81	66
4	123	75	46	20	28	11	27	15	23	105	81	58
5	120	70	45	18	18	13	25	6.3	14	100	74	54
6	117	67	43	13	19	8.6	17	4.6	11	109	63	55
7	108	66	40	21	23	6.4	24	3.5	10	91	63	55
8	106	63	37	16	22	10	24	0.08	4.8	86	79	54
9	103	64	42	17	19	16	19	1.7	11	95	87	55
10	100	66	42	14	10	17	13	3.4	10	115	76	53
11	117	59	37	13	17	16	18	5.4	42	102	63	50
12	118	59	36	14	12	10	16	7.0	107	100	61	45
13	113	57	35	12	16	10	18	4.0	103	138	57	43
14	105	56	37	75	12	24	15	4.0	75	147	52	41
15	103	57	30	58	6.0	17	18	4.0	72	125	49	34
16	98	68	36	60	4.0	24	10	5.6	69	110	48	34
17	108	49	25	57	4.0	42	8.9	4.0	62	106	42	32
18	87	53	26	26	2.2	46	11	4.0	59	102	43	31
19	91	52	26	45	0.00	31	9.9	4.0	56	99	40	29
20	92	51	24	41	0.00	24	5.5	4.0	59	94	53	28
21	92	51	21	44	0.00	27	0.59	3.8	63	88	68	29
22	90	50	20	32	0.00	24	2.5	3.2	75	82	67	34
23	91	51	20	38	0.00	30	3.6	5.5	67	76	66	35
24	88	50	17	30	18	23	5.0	3.9	65	76	84	33
25	84	59	34	35	19	28	2.9	3.7	62	74	74	27
26	83	53	43	33	15	27	5.0	2.2	61	70	75	25
27	82	51	25	32	30	33	15	0.51	74	66	64	25
28	81	54	30	30	23	23	7.0	0.34	83	69	60	20
29	77	53	25	28	---	33	0.00	0.84	97	66	57	20
30	78	55	18	25	---	26	1.4	0.76	117	66	49	23
31	76	---	23	22	---	27	---	21	---	68	52	---
TOTAL	3,103	1,787	1,024	932	385.20	667.0	423.29	147.03	1,628.8	2,953	1,964	1,208
MEAN	100	59.6	33.0	30.1	13.8	21.5	14.1	4.74	54.3	95.3	63.4	40.3
MAX	128	79	48	75	30	46	43	21	117	147	87	68
MIN	76	49	17	12	0.00	6.4	0.00	0.08	4.8	66	40	20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

MEAN	18.6	12.6	12.7	15.7	11.5	16.3	10.2	4.73	10.8	16.9	25.3	28.8
MAX	100	59.6	66.5	98.0	91.1	103	35.9	17.2	54.3	95.3	81.5	117
(WY)	(2005)	(2005)	(1998)	(1998)	(1998)	(1998)	(1998)	(1991)	(2005)	(2005)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.61	0.00	3.17
(WY)	(2001)	(2001)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)	(1989)	(1989)	(1989)	(1989)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1987 - 2005

ANNUAL TOTAL	12,751.04		16,222.32		
ANNUAL MEAN	34.8		44.4		15.6
HIGHEST ANNUAL MEAN					44.4
LOWEST ANNUAL MEAN					3.56
HIGHEST DAILY MEAN	e260	Sep 26	147	Jul 14	290
LOWEST DAILY MEAN	0.00	Many days	0.00	Feb 19-23, Apr 29	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	May 12	0.89	Feb 17	0.00
MAXIMUM PEAK STAGE			90.24	Jan 14	90.63
10 PERCENT EXCEEDS	101		97		44
50 PERCENT EXCEEDS	14		36		6.7
90 PERCENT EXCEEDS	0.00		4.7		0.00

e Estimated

02264100 BONNET CREEK NEAR VINELAND, FL

LOCATION.--Lat 28° 19'30", long 81° 31'15", in SW 1/4 sec.9, T.25 S., R.28 E., Osceola County, Hydrologic Unit 03090101, on upstream side of sheet-pile weir, about 0.5 mi upstream from Reedy Creek Swamp, and 5.0 mi south of Vineland.

DRAINAGE AREA.--44.7 mi².

PERIOD OF RECORD.--Water years 1943, 1960, 1961, 1966 (miscellaneous discharge measurements), May 1966 to current year.

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WDR FL-96-1A: Drainage area.

GAGE.--Water-stage recorder and steel sheet-pile weir with sluice gate. Datum of gage is at NGVD of 1929 (Florida Department of Transportation bench mark). Prior to June 1, 1999, at site 0.5 mi upstream at same datum; prior to Oct. 1, 1968, at datum 37.96 ft higher.

REMARKS.--Records fair except for period of estimated daily discharge and period when the sluice gate was open, May 25-31, which are poor. Since October 1968, flow regulated by automatic gates upstream and since December 1970, by control structure S-11. Natural flow of stream affected by canals and control structures above station which divert an undetermined amount of water into the Reedy Creek basin. From Oct. 13, 1983 to Feb. 1, 1985 structure S-11 did not regulate the stream because of a washout of the bank around the structure.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Sept. 11, 1960, reached a stage of 42.5 ft, datum then in use, from floodmarks, discharge, 1,200 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	280	88	26	41	32	32	67	37	72	184	90	72
2	253	85	24	38	30	33	53	28	54	178	94	111
3	232	86	24	39	30	28	43	26	66	170	124	110
4	221	85	20	41	36	30	42	60	71	157	112	88
5	210	78	21	40	27	26	37	35	49	144	101	76
6	192	75	17	38	28	23	31	31	38	140	85	68
7	175	74	43	32	30	23	35	23	30	117	93	67
8	167	72	79	35	31	26	36	16	21	111	106	69
9	162	69	77	34	30	25	31	17	27	130	114	69
10	157	68	77	33	22	28	29	13	25	179	103	69
11	184	57	68	34	26	26	26	14	81	148	83	60
12	187	56	62	33	22	23	23	18	230	145	87	54
13	171	57	58	31	24	21	30	12	211	194	76	52
14	160	60	56	123	22	39	27	10	142	218	65	50
15	160	57	45	91	15	40	26	10	135	177	65	44
16	153	64	46	83	14	44	20	13	124	147	58	42
17	152	45	36	75	12	84	12	9.3	107	137	53	42
18	123	37	39	46	11	85	23	6.0	99	129	54	39
19	111	45	39	51	11	62	16	6.7	93	124	47	26
20	122	43	38	50	9.7	50	15	10	95	114	64	18
21	120	41	35	49	8.8	50	13	5.1	103	105	87	20
22	115	41	35	48	8.8	45	17	4.9	140	97	81	25
23	112	42	33	40	11	64	18	5.1	121	91	77	32
24	107	33	34	40	34	51	18	3.2	103	91	110	31
25	102	40	52	39	34	51	18	e3.4	96	89	94	26
26	101	30	69	40	29	63	17	e3.4	93	83	84	18
27	100	26	48	39	55	68	42	e3.3	128	79	71	18
28	100	35	48	39	48	51	21	e3.2	156	87	67	19
29	98	31	44	37	---	51	15	e3.1	159	87	66	19
30	93	35	37	35	---	44	12	e3.1	199	84	54	19
31	89	---	42	27	---	45	---	e40	---	90	65	---
TOTAL	4,709	1,655	1,372	1,421	691.3	1,331	813	472.8	3,068	4,026	2,530	1,453
MEAN	152	55.2	44.3	45.8	24.7	42.9	27.1	15.3	102	130	81.6	48.4
MAX	280	88	79	123	55	85	67	60	230	218	124	111
MIN	89	26	17	27	8.8	21	12	3.1	21	79	47	18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	33.9	21.0	20.5	23.6	22.9	25.0	17.4	11.9	25.2	34.5	47.2	50.0
MAX	152	102	101	129	143	143	56.1	37.8	102	130	204	245
(WY)	(2005)	(1988)	(1998)	(1998)	(1998)	(1998)	(1987)	(1979)	(2005)	(2005)	(2003)	(2004)
MIN	4.92	1.13	2.19	0.96	1.27	1.40	0.30	0.00	0.42	4.12	2.71	6.34
(WY)	(1968)	(1968)	(1967)	(1967)	(1968)	(1968)	(2000)	(2000)	(1967)	(1989)	(1989)	(1984)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1966 - 2005	
ANNUAL TOTAL	25,174.1		23,542.1			
ANNUAL MEAN	68.8		64.5		27.6	
HIGHEST ANNUAL MEAN					67.3	
LOWEST ANNUAL MEAN					10.1	
HIGHEST DAILY MEAN	841		280		841	
LOWEST DAILY MEAN	1.7		e3.1		0.00	
ANNUAL SEVEN-DAY MINIMUM	5.0		3.2		0.00	
MAXIMUM PEAK FLOW			424		1,440	
MAXIMUM PEAK STAGE			74.32		78.58	
10 PERCENT EXCEEDS	171		140		61	
50 PERCENT EXCEEDS	36		48		16	
90 PERCENT EXCEEDS	9.9		17		3.5	

e Estimated

02264100 BONNET CREEK NEAR VINELAND, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1961, 1963, 1966, 1968-94, 1996 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 2001 to current year.

WATER TEMPERATURE: July 2001 to current year.

DISSOLVED OXYGEN: July 2001 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Extremes for current year and extremes for period of of daily record are based on recorded values and may have been exceeded during periods of no record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 293 $\mu\text{S}/\text{cm}$ @ 25 °C, June 12, 2001; minimum daily mean, 91 $\mu\text{S}/\text{cm}$ @ 25 °C, Aug. 26, 2003.

WATER TEMPERATURE: Maximum daily mean, 30.5 °C, May 5, 2002; minimum daily mean, 11.7 °C, Jan. 25, 2003.

DISSOLVED OXYGEN: Maximum daily mean, 10.4 mg/L, Mar. 8, 9, 2002; minimum daily mean, 0.3 mg/L, Dec. 8, 2001.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 202 $\mu\text{S}/\text{cm}$ @ 25 °C, May 28, 29; minimum daily mean, 105 $\mu\text{S}/\text{cm}$ @ 25 °C, July 12.

WATER TEMPERATURE: Maximum daily mean, 30.2 °C, July 24; minimum daily mean, 14.0 °C, Dec. 21, 27, Jan. 24.

DISSOLVED OXYGEN: Maximum daily mean, 8.7 mg/L, Mar. 18; minimum daily mean 2.2 mg/L, Aug. 17, Sept. 27.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	141	152	161	158	---	160	174	185	136	151	152
2	119	149	154	161	158	---	158	171	187	135	154	151
3	121	147	153	161	159	---	159	173	187	136	151	151
4	120	148	152	161	159	---	161	175	192	132	156	155
5	121	144	151	161	159	---	163	176	195	134	152	149
6	122	141	150	161	160	---	165	178	193	139	153	151
7	121	143	150	161	162	---	164	185	191	143	152	155
8	124	142	150	156	162	---	161	190	194	146	152	154
9	122	144	152	158	163	---	167	193	187	131	152	156
10	122	143	152	158	164	---	167	194	164	132	151	159
11	124	143	152	159	164	---	166	199	175	133	152	160
12	125	146	153	160	165	---	170	201	171	105	148	162
13	124	146	153	161	166	---	168	195	153	106	150	164
14	123	146	153	154	166	---	168	197	149	139	153	167
15	124	144	151	158	166	---	166	200	142	137	153	167
16	124	145	150	170	---	168	167	199	141	136	154	168
17	124	146	147	159	---	166	168	196	142	129	153	166
18	127	145	152	159	---	166	170	196	142	130	156	168
19	127	148	153	159	---	173	171	196	141	134	157	168
20	130	146	154	158	---	177	175	196	141	143	159	169
21	129	145	156	158	---	174	174	191	142	145	157	172
22	131	146	159	153	---	171	175	191	140	145	159	172
23	130	148	160	152	---	166	181	198	143	148	155	172
24	133	147	162	153	---	166	176	196	146	150	149	173
25	136	148	159	156	---	167	172	193	147	150	149	173
26	136	148	158	157	---	167	173	193	146	151	152	171
27	139	148	158	156	---	167	170	201	143	152	151	171
28	138	149	163	156	---	167	168	202	141	152	152	171
29	137	149	168	156	---	167	172	202	142	152	153	173
30	140	146	166	158	---	168	175	192	136	152	154	173
31	141	---	163	158	---	167	---	197	---	151	153	---
MEAN	127	146	155	158	---	---	168	192	160	139	153	164
MAX	141	149	168	170	---	---	181	202	195	152	159	173
MIN	112	141	147	152	---	---	158	171	136	105	148	149

KISSIMMEE RIVER BASIN

02264100 BONNET CREEK NEAR VINELAND, FL—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.6	24.2	21.0	15.4	15.9	---	23.2	24.1	26.3	27.6	29.4	29.0
2	27.7	24.5	20.4	15.8	16.2	---	23.7	24.7	26.1	27.9	29.2	28.8
3	27.8	24.5	20.0	16.1	16.6	---	22.7	24.0	26.4	28.1	29.4	28.6
4	27.8	24.9	19.4	16.4	16.5	---	22.1	24.0	26.0	28.4	29.8	28.4
5	27.7	24.5	19.2	17.2	15.5	---	22.3	24.0	26.4	28.9	29.4	28.1
6	27.5	23.7	19.4	17.6	16.1	---	22.6	24.0	26.6	29.3	29.2	27.9
7	26.9	23.3	19.3	17.9	16.7	---	22.9	23.2	26.8	29.7	29.0	27.7
8	26.4	22.4	19.2	18.6	17.1	---	22.6	23.4	27.2	29.9	28.5	27.4
9	26.2	21.8	20.2	19.1	17.0	---	23.3	23.6	28.1	29.4	28.6	27.2
10	26.0	21.4	20.6	19.2	17.9	---	23.3	24.2	26.9	28.3	28.7	27.5
11	25.8	21.2	20.1	19.3	16.4	---	22.4	24.6	26.8	28.1	28.7	27.8
12	25.5	21.5	18.9	19.7	15.9	---	22.8	24.3	27.4	28.4	28.8	28.0
13	25.5	21.6	19.0	20.3	15.9	---	23.6	25.3	28.0	28.7	28.8	28.0
14	25.6	21.9	18.1	20.0	16.6	---	23.3	24.5	28.4	28.6	28.9	27.9
15	24.9	21.9	15.8	19.3	17.1	---	22.4	25.7	28.5	28.5	28.8	27.7
16	24.0	21.8	15.7	18.3	---	19.2	21.8	25.2	28.7	28.8	29.3	27.5
17	23.5	21.7	16.0	17.0	---	19.9	22.1	26.0	28.9	29.2	29.6	27.4
18	23.6	21.4	16.6	15.6	---	19.5	21.4	27.5	28.8	29.3	30.0	27.6
19	24.2	21.1	16.0	15.1	---	19.3	21.1	26.9	28.8	29.2	30.0	28.1
20	24.7	21.0	14.7	15.0	---	18.7	21.8	26.3	28.5	29.3	29.8	27.9
21	25.3	21.1	14.0	15.1	---	19.2	22.7	28.3	28.1	29.3	29.8	27.8
22	25.3	21.2	15.3	15.3	---	19.7	22.2	29.2	27.6	29.8	29.6	27.6
23	25.1	21.5	16.2	15.5	---	20.4	22.0	27.7	27.2	30.1	29.6	27.3
24	24.6	21.8	15.7	14.0	---	20.4	22.3	28.2	26.8	30.2	29.5	27.4
25	24.6	22.1	15.0	14.3	---	21.2	21.4	28.9	26.7	30.0	29.5	27.4
26	24.3	21.0	14.8	14.7	---	21.7	21.6	27.5	26.8	29.6	29.4	27.4
27	24.1	21.2	14.0	15.3	---	22.2	22.1	26.8	27.2	29.6	29.1	27.5
28	24.0	21.1	14.3	15.2	---	22.7	22.2	27.7	27.6	29.7	29.2	27.6
29	23.9	20.5	14.7	15.4	---	22.0	22.0	29.5	27.7	29.9	29.3	27.0
30	23.9	20.5	15.0	16.3	---	21.7	22.8	29.6	27.6	29.6	29.4	27.7
31	24.0	---	15.0	16.4	---	22.3	---	27.4	---	29.4	29.3	---
MEAN	25.4	22.1	17.2	16.8	---	---	22.4	26.0	27.4	29.1	29.3	27.8
MAX	27.8	24.9	21.0	20.3	---	---	23.7	29.6	28.9	30.2	30.0	29.0
MIN	23.5	20.5	14.0	14.0	---	---	21.1	23.2	26.0	27.6	28.5	27.0

02264100 BONNET CREEK NEAR VINELAND, FL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.6	5.5	7.0	6.6	---	---	5.2	4.4	---	5.8	3.4	3.2
2	5.0	5.6	7.0	6.5	---	---	6.2	5.1	7.6	5.7	3.2	3.3
3	4.9	5.5	7.2	6.3	---	---	6.6	3.3	4.8	5.5	3.5	3.9
4	4.7	5.4	6.8	6.0	---	---	5.7	4.2	4.9	5.3	3.8	4.7
5	4.8	5.9	6.8	5.6	---	---	5.0	4.8	4.8	5.0	3.6	4.9
6	4.6	6.1	6.8	5.5	---	---	4.4	5.2	4.4	4.9	3.5	4.7
7	5.1	5.8	6.7	4.9	---	---	5.9	4.7	4.2	4.6	3.0	5.0
8	5.6	5.8	6.4	4.8	---	---	6.0	4.4	4.5	4.6	2.9	6.8
9	5.9	6.2	6.2	4.6	---	---	6.1	4.0	5.3	4.8	3.2	5.8
10	6.0	6.4	6.2	4.6	---	---	6.1	3.6	3.7	5.4	3.4	5.2
11	6.0	6.4	6.0	4.4	---	---	5.6	3.5	4.6	5.1	3.0	5.1
12	6.3	6.6	6.4	4.3	---	---	5.0	2.7	5.8	4.7	2.9	5.1
13	6.4	6.5	6.1	4.4	---	---	5.2	4.5	6.0	4.6	---	4.1
14	6.5	6.6	6.6	4.8	---	---	5.4	2.9	5.5	5.1	---	3.6
15	6.7	6.7	7.7	5.1	---	---	6.3	5.6	5.1	---	---	2.6
16	7.0	6.6	7.9	5.3	---	7.4	6.8	5.4	4.7	---	---	3.0
17	7.3	6.7	7.6	---	---	7.9	7.0	5.1	4.3	---	2.2	3.0
18	7.0	6.4	7.3	---	---	8.7	6.2	6.2	3.9	---	2.3	---
19	6.8	6.3	7.1	---	---	8.6	5.3	5.3	4.1	---	2.5	---
20	6.8	6.4	7.6	---	---	7.8	4.8	5.9	4.1	---	2.4	---
21	6.5	6.2	7.3	---	---	7.8	5.0	7.8	4.3	---	2.9	3.8
22	6.1	6.3	6.9	---	---	7.5	4.2	8.1	5.0	4.9	3.6	4.4
23	6.2	6.3	7.0	---	---	7.7	3.1	4.8	4.9	4.9	3.8	3.8
24	6.2	6.5	6.8	---	---	7.2	5.3	5.8	4.7	4.7	4.3	---
25	6.2	6.7	7.1	---	---	7.3	5.1	5.8	4.4	4.6	5.0	---
26	6.2	7.2	7.4	---	---	7.2	4.9	---	3.9	4.4	5.2	---
27	6.2	7.0	7.6	---	---	7.1	5.0	---	4.0	4.2	4.0	2.2
28	6.3	7.1	7.4	---	---	6.8	4.7	---	7.4	4.1	---	---
29	6.0	7.1	7.2	---	---	5.7	4.5	---	6.0	4.3	---	---
30	6.0	7.0	7.0	---	---	4.9	4.4	---	5.9	4.1	3.4	---
31	5.9	---	6.6	---	---	4.9	---	---	---	3.3	3.0	---
MEAN	6.0	6.4	7.0	---	---	---	5.4	---	---	---	---	---
MAX	7.3	7.2	7.9	---	---	---	7.0	---	---	---	---	---
MIN	4.6	5.4	6.0	---	---	---	3.1	---	---	---	---	---

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
JUL 13...	1020	73.45	134	200	5.2	6.0	144	28.6	30	7.66	2.60	5.06	11.8
Date	ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)
JUL 13...	14	22.2	E.1	12.6	.90	.07	E.03	E.004	E.02	.06	20.4	157	E1
Date	Beryllium, water, unfltrd recoverable, ug/L (01012)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Zinc, water, unfltrd recoverable, ug/L (01092)		
JUL 13...	<.06	E.03	.9	1.4	370	.44	9	E.01	.57	.4	5		

WATER-QUALITY RECORDS

LOCATION.--Lat 28° 18'28", long 81° 31'29", in NE 1/4 sec.17, T. 25 S., R. 28 E., Osceola County, Hydrologic Unit 03090101, at culverts on left bank, 1.3 mi south of U.S. Highway 192, and 10 mi west of Kissimmee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1986-88, 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Color, water, fltrd, Pt-Co units (00080)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unfltrd uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnes-ium, water, fltrd, mg/L (00925)	Potas-sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (90410)
JUL 13...	0930	70.53	150	4.6	6.0	144	28.4	32	8.34	2.62	4.89	11.6	16
Date	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phos-phorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Alum-inum, water, unfltrd recover-able, ug/L (01105)	Arsenic water unfltrd ug/L (01002)	Beryll-ium, water, unfltrd recover-able, ug/L (01012)
JUL 13...	21.6	E.1	11.7	.91	.07	<.06	E.004	.03	.07	19.5	166	M	<.06
Date	Cadmium water, unfltrd recover-able, ug/L (01027)	Chrom-ium, water, unfltrd recover-able, ug/L (01034)	Copper, water, unfltrd recover-able, ug/L (01042)	Iron, water, unfltrd recover-able, ug/L (01045)	Lead, water, unfltrd recover-able, ug/L (01051)	Mangan-ese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Selen-ium, water, unfltrd recover-able, ug/L (01147)	Zinc, water, unfltrd recover-able, ug/L (01092)			
JUL 13...	<.04	E.4	1.3	340	.40	9	E.01	.71	E.3	3			

02264495 SHINGLE CREEK AT CAMPBELL, FL

LOCATION.--Lat 28° 16'01", long 81° 26'53", in SE¹/₄ sec.31, T.25 S., R.29 E., Osceola County, Hydrologic Unit 03090101, near left bank on downstream side of bridge on County Road, 100 ft downstream from CSX railroad bridge, 0.8 mi northeast of Campbell, and 2.5 mi upstream from Lake Tohopekaliga.

DRAINAGE AREA.--180 mi², approximately, includes part of watershed in Reedy Creek Swamp.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929. Water-stage recorder on Lake Tohopekaliga at Kissimmee used as auxiliary gage for this station.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. A maximum discharge, 1,870 ft³/s and stage, 61.13 ft occurred on Oct. 1, stage falling, peak occurred on Sept. 29, 2004. Natural flow of stream affected by several canals, levees, and control structures which divert an undetermined amount of water into Shingle Creek above station or into the Reedy Creek basin.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,800	205	206	103	266	271	880	192	302	867	112	371
2	1,680	200	210	95	255	259	850	225	455	966	126	573
3	1,570	197	206	89	257	263	e800	209	522	966	165	949
4	1,480	184	204	80	268	285	e760	229	699	937	179	788
5	1,390	183	196	73	244	267	e720	289	840	982	202	689
6	1,300	174	186	82	227	237	e680	359	895	976	e280	597
7	1,220	167	187	115	218	200	e620	354	885	870	e270	526
8	1,130	162	182	153	215	170	e550	351	842	767	e375	449
9	1,060	165	144	179	210	180	e500	344	782	700	e390	364
10	992	160	112	193	199	200	e450	321	721	750	379	325
11	931	156	115	200	191	174	e370	291	697	747	344	287
12	878	153	92	196	176	172	328	278	824	815	338	243
13	823	154	80	182	169	158	343	243	832	691	422	208
14	759	155	80	469	165	162	330	200	864	641	401	180
15	695	151	78	701	161	190	312	175	866	604	383	157
16	637	145	54	737	155	200	312	152	889	547	343	137
17	555	150	43	776	160	433	298	139	908	504	287	124
18	484	158	42	790	156	822	275	135	888	479	246	111
19	435	165	44	789	131	804	247	114	822	468	207	104
20	426	171	49	767	121	765	217	99	788	487	171	104
21	405	179	42	741	119	793	198	100	749	431	150	106
22	373	183	40	685	117	834	180	90	851	393	151	111
23	350	176	40	613	115	869	152	80	987	373	211	135
24	317	171	48	504	119	886	176	78	875	349	356	134
25	298	183	63	436	121	869	131	84	798	306	415	124
26	281	188	120	386	123	892	117	68	748	255	392	108
27	265	168	110	366	186	1,010	273	70	724	216	358	97
28	248	192	101	353	297	1,000	263	64	770	173	325	90
29	233	194	102	320	---	963	194	62	743	139	284	89
30	224	198	105	302	---	932	166	59	793	118	254	95
31	213	---	105	283	---	900	---	78	---	103	300	---
TOTAL	23,452	5,187	3,386	11,758	5,141	16,160	11,692	5,532	23,359	17,620	8,816	8,375
MEAN	757	173	109	379	184	521	390	178	779	568	284	279
MAX	1,800	205	210	790	297	1,010	880	359	987	982	422	949
MIN	213	145	40	73	115	158	117	59	302	103	112	89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2005, BY WATER YEAR (WY)

MEAN	211	133	143	163	150	161	114	62.3	150	223	283	326
MAX	757	665	889	642	634	577	469	238	779	659	983	1,314
(WY)	(2005)	(1988)	(1998)	(2003)	(1998)	(1998)	(1987)	(1991)	(2005)	(1991)	(2004)	(2004)
MIN	18.4	10.5	8.39	14.0	24.4	19.7	4.89	11.7	14.5	13.7	54.5	36.9
(WY)	(1971)	(1971)	(1971)	(1971)	(2001)	(2000)	(2000)	(2000)	(1971)	(1969)	(1980)	(1980)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1969 - 2005

ANNUAL TOTAL	134,951	140,478	
ANNUAL MEAN	369	385	177
HIGHEST ANNUAL MEAN			418
LOWEST ANNUAL MEAN			47.0
HIGHEST DAILY MEAN	1,980	Sep 29	1,800
LOWEST DAILY MEAN	16	Jun 2-4	40
ANNUAL SEVEN-DAY MINIMUM	17	May 30	43
MAXIMUM PEAK FLOW			1,100
MAXIMUM PEAK STAGE			58.44
10 PERCENT EXCEEDS	1,280		868
50 PERCENT EXCEEDS	178		255
90 PERCENT EXCEEDS	38		102
			31

e Estimated

* Maximum discharge measured

02266025 REEDY CREEK AT S-46 NEAR VINELAND, FL

LOCATION.--Lat 28° 24'18", long 81° 36'42", in NE 1/4 sec.16, T.24 S., R.27 E., Orange County, Hydrologic Unit 03090101, on right upstream wingwall of control structure 46, 6.6 mi west of Vineland.

DRAINAGE AREA.--25.4 mi².

PERIOD OF RECORD.--June 1969 to September 1972 (gage heights only). October 1986 to current year.

REVISED RECORDS.--WDR FL-97-1A: Drainage area.

GAGE.--Water-stage recorder, gate-opening recorder, and data-collection platform. Datum of gage is at NGVD of 1929 (Reedy Creek Improvement District bench mark). Auxiliary gage at downstream side of control structure 46.

REMARKS.--Records fair. Flow regulated by operation of structure 46. At high stages interconnection exists between Reedy Creek, Whittenhorse Creek, and Boggy Creek.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	15	11	5.7	9.7	5.1	7.5	1.2	4.4	19	12	13
2	27	15	11	5.2	7.6	4.6	7.4	0.69	5.3	19	12	18
3	29	15	11	5.1	7.7	4.5	6.0	1.2	5.9	18	12	32
4	30	15	9.9	4.3	7.6	4.5	5.6	0.84	5.5	17	12	32
5	29	14	9.9	3.2	7.0	4.2	5.2	0.94	4.7	15	11	16
6	30	14	9.9	2.9	7.1	4.1	5.1	1.2	4.9	14	11	11
7	28	14	9.9	2.8	7.3	4.0	4.8	1.5	5.1	13	11	16
8	26	14	9.2	2.8	7.0	4.3	3.7	1.1	5.4	11	10	22
9	25	13	9.1	2.7	6.4	2.9	3.3	1.4	6.6	13	9.7	24
10	24	12	9.1	2.5	6.8	0.21	3.4	1.7	7.7	23	9.6	25
11	26	12	9.1	2.2	7.0	0.53	3.5	2.1	7.2	23	9.1	25
12	29	12	8.5	4.6	7.1	0.55	3.4	1.2	23	26	8.9	25
13	27	12	8.3	8.4	6.8	0.08	3.2	0.56	29	24	9.1	24
14	24	12	8.1	11	6.8	0.11	2.6	0.57	17	23	8.9	24
15	24	12	8.2	12	6.9	0.24	2.3	0.57	11	22	9.2	22
16	22	12	8.0	14	7.0	0.57	2.1	0.57	9.0	21	8.9	21
17	20	12	7.7	12	6.6	2.5	1.7	0.56	7.4	20	8.1	20
18	19	12	7.6	11	5.9	8.5	1.9	0.57	6.2	20	7.7	19
19	17	10	7.7	9.8	5.7	7.3	2.3	0.57	6.3	19	7.4	17
20	16	9.4	7.5	9.5	5.8	7.6	2.3	0.65	9.7	18	9.2	14
21	15	9.4	7.1	9.1	5.6	7.9	2.3	1.0	12	17	14	13
22	15	9.1	7.0	9.0	5.1	7.5	2.1	0.57	10	17	12	14
23	14	10	7.0	8.2	5.1	9.2	2.3	0.57	9.7	16	10	16
24	13	9.2	6.9	8.1	5.0	8.8	1.6	0.63	10	15	9.8	14
25	12	7.9	6.6	8.3	4.8	8.5	1.5	0.57	9.7	15	7.2	13
26	11	8.6	6.9	8.3	5.0	11	1.8	0.57	8.9	14	4.8	13
27	11	9.1	6.8	8.0	7.4	10	3.0	0.89	15	14	4.6	12
28	10	9.1	6.9	7.6	6.6	9.3	1.8	1.5	28	13	7.2	11
29	14	11	5.9	7.8	---	8.7	1.9	1.1	20	13	7.2	10
30	16	11	5.8	7.9	---	7.6	2.1	1.1	19	13	7.0	9.5
31	16	---	5.8	8.9	---	7.2	---	3.2	---	12	9.2	---
TOTAL	640	350.8	253.4	222.9	184.4	162.09	97.7	31.39	323.6	537	289.8	545.5
MEAN	20.6	11.7	8.17	7.19	6.59	5.23	3.26	1.01	10.8	17.3	9.35	18.2
MAX	30	15	11	14	9.7	11	7.5	3.2	29	26	14	32
MIN	10	7.9	5.8	2.2	4.8	0.08	1.5	0.56	4.4	11	4.6	9.5

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

	5.52	4.03	4.85	5.65	5.81	6.23	2.86	1.42	1.97	4.05	7.31	8.36
MEAN	5.52	4.03	4.85	5.65	5.81	6.23	2.86	1.42	1.97	4.05	7.31	8.36
MAX	25.6	11.7	35.5	49.2	54.0	52.8	17.8	8.04	12.0	25.8	48.6	37.0
(WY)	(2004)	(2005)	(2003)	(1998)	(1998)	(1998)	(1998)	(1998)	(2003)	(2003)	(2003)	(2003)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1987)	(1987)	(1987)	(1987)	(1987)	(1990)	(1989)	(1989)	(1989)	(1990)	(1989)	(1989)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1987 - 2005

ANNUAL TOTAL	4,179.5	3,638.58	
ANNUAL MEAN	11.4	9.97	4.84
HIGHEST ANNUAL MEAN			22.9
LOWEST ANNUAL MEAN			0.09
HIGHEST DAILY MEAN	92	Sep 26	135
LOWEST DAILY MEAN	1.8	Jun 3	0.00
ANNUAL SEVEN-DAY MINIMUM	2.3	Jun 2	0.00
MAXIMUM PEAK STAGE			96.68
10 PERCENT EXCEEDS	26		13
50 PERCENT EXCEEDS	7.9		0.73
90 PERCENT EXCEEDS	3.4		0.00

02266200 WHITTENHORSE CREEK NEAR VINELAND, FL

LOCATION.--Lat 28° 23'05", long 81° 37'00", in NW¹/₄ sec.21, T.24 S., R.27 E., Orange County, Hydrologic Unit 03090101, near center of channel, 12 ft downstream from culverts on Hartzog Road, and 7 mi west of Vineland.

DRAINAGE AREA.--12.4 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 7.23 ft above NGVD of 1929.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. A maximum discharge, 90 ft³/s and stage, 95.41 ft occurred on Oct. 1, stage falling, peak occurred on Sept. 28, 29, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	17	3.7	6.3	5.9	3.7	8.9	0.66	e1.3	e38	11	12
2	83	16	3.5	6.1	5.8	3.6	8.5	0.55	1.3	e39	10	14
3	78	15	3.3	5.9	5.7	3.7	7.8	e0.51	1.8	e39	10	22
4	73	14	3.2	5.7	5.5	4.0	6.7	e0.72	2.7	e38	9.5	34
5	70	14	3.1	5.5	5.3	3.9	6.0	e0.81	3.1	e36	8.8	36
6	66	12	2.9	5.3	5.0	3.8	5.4	e0.78	3.1	e31	8.0	38
7	62	11	2.9	5.1	4.7	3.7	4.8	e0.68	e3.3	e28	8.7	40
8	57	e13	2.9	4.9	4.5	3.7	4.2	e0.61	e3.9	e27	10	39
9	53	e12	3.0	4.5	4.2	4.0	3.6	e0.53	e4.4	e28	10	38
10	49	e11	3.2	4.4	3.9	4.1	3.3	e0.48	e4.1	e40	10	36
11	51	e11	3.4	4.2	3.7	3.9	2.9	e0.58	e4.0	e44	9.6	34
12	53	e10	3.6	4.0	3.5	3.7	2.5	e0.88	e4.6	e47	9.8	31
13	52	e9.9	3.7	3.9	3.3	3.5	2.4	e0.80	e6.7	e49	10	29
14	49	e9.8	3.8	6.6	3.1	3.8	2.1	e0.76	e6.1	e49	9.7	26
15	47	e9.6	3.9	8.4	2.9	4.1	1.9	e0.66	e8.1	46	9.2	24
16	43	e9.4	4.1	9.8	2.8	4.2	1.8	e0.59	e11	43	8.6	22
17	e41	e9.2	4.3	10	2.6	6.4	1.6	e0.51	e10	40	7.7	20
18	e38	5.7	4.1	10	2.3	8.4	1.4	e0.39	e9.2	38	7.0	18
19	e36	5.3	3.9	9.9	2.2	8.9	1.3	e0.40	e8.4	36	6.2	17
20	e35	5.0	3.8	9.6	2.1	9.2	1.1	e0.86	e9.3	34	6.3	16
21	e33	4.6	3.6	9.3	2.0	9.3	0.98	e0.53	e12	31	8.2	15
22	32	4.3	3.4	9.0	1.9	9.4	0.84	e0.53	e13	28	8.9	14
23	30	4.0	3.3	8.8	1.8	10	0.80	e0.73	e16	25	9.1	15
24	29	3.8	3.2	8.3	1.7	11	0.76	e0.70	e17	23	9.3	14
25	27	4.1	4.0	7.8	1.7	11	0.65	e0.67	e16	20	9.5	13
26	25	3.9	5.6	7.4	1.7	11	0.70	e0.64	e15	18	9.4	12
27	24	3.8	5.9	7.2	2.8	12	1.1	e2.0	e15	16	9.7	11
28	22	4.1	6.2	7.1	3.8	11	0.94	e1.1	e30	14	11	9.6
29	21	3.9	6.5	6.8	---	11	0.80	e0.75	e31	12	11	8.8
30	20	3.8	6.5	6.5	---	10	0.68	e0.75	e33	12	11	7.9
31	19	---	6.4	6.2	---	9.4	---	e1.1	---	11	11	---
TOTAL	1,406	260.2	124.9	214.5	96.4	209.4	86.45	22.26	304.4	980	288.2	666.3
MEAN	45.4	8.67	4.03	6.92	3.44	6.75	2.88	0.72	10.1	31.6	9.30	22.2
MAX	88	17	6.5	10	5.9	12	8.9	2.0	33	49	11	40
MIN	19	3.8	2.9	3.9	1.7	3.5	0.65	0.39	1.3	11	6.2	7.9
CFSM	3.66	0.70	0.32	0.56	0.28	0.54	0.23	0.06	0.82	2.55	0.75	1.79
IN.	4.22	0.78	0.37	0.64	0.29	0.63	0.26	0.07	0.91	2.94	0.86	2.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

	8.55	4.40	5.46	5.87	5.11	5.82	3.56	1.19	2.19	6.27	9.36	10.8
MEAN	8.55	4.40	5.46	5.87	5.11	5.82	3.56	1.19	2.19	6.27	9.36	10.8
MAX	45.4	18.3	49.3	45.9	37.5	43.0	23.0	11.9	20.2	31.6	69.6	60.4
(WY)	(2005)	(2003)	(2003)	(1998)	(1998)	(1998)	(1987)	(1991)	(1991)	(1991)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1979)	(1968)	(1968)	(1968)	(1968)	(1968)	(1968)	(1967)	(1967)	(1967)	(1973)	(1980)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1966 - 2005

ANNUAL TOTAL	5,012.89	4,659.01	
ANNUAL MEAN	13.7	12.8	5.68
HIGHEST ANNUAL MEAN			28.2
LOWEST ANNUAL MEAN			0.00
HIGHEST DAILY MEAN	96	Sep 28, 29	88
LOWEST DAILY MEAN	0.00	May 30-Jun 6	e0.39
ANNUAL SEVEN-DAY MINIMUM	0.00	May 30	0.54
MAXIMUM PEAK FLOW			
MAXIMUM PEAK STAGE			
ANNUAL RUNOFF (CFSM)	1.10	1.03	0.458
ANNUAL RUNOFF (INCHES)	15.04	13.98	6.22
10 PERCENT EXCEEDS	43	36	16
50 PERCENT EXCEEDS	4.3	7.2	1.1
90 PERCENT EXCEEDS	0.66	0.96	0.00

e Estimated

a Dec 29, 1997 and Sep 28, 29, 2004

02266200 WHITTENHORSE CREEK NEAR VINELAND, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1968-73, 1977, 1979-80, 1982-98, 2002 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 2001 to current year.

WATER TEMPERATURE: December 2001 to current year.

DISSOLVED OXYGEN: December 2001 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Extremes for current year and extremes for period of of daily record are based on recorded values and may have been exceeded during period of no record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 234 $\mu\text{S}/\text{cm}$ @ 25 °C, Jan. 19-21,23, Mar. 23, 2002; minimum daily mean, 50 $\mu\text{S}/\text{cm}$ @ 25 °C, Sept. 19, 2004.

WATER TEMPERATURE: Maximum daily mean, 28.5 °C, July 22, 2005; minimum daily mean, 8.1 °C, Jan. 9, 2002.

DISSOLVED OXYGEN: Maximum daily mean, 3.7 mg/L, Jan. 25, 2005; minimum daily mean, 0.0 mg/L, many days.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 132 $\mu\text{S}/\text{cm}$ @ 25 °C, Mar. 13; minimum daily mean, 60 $\mu\text{S}/\text{cm}$ @ 25 °C, Oct. 1.

WATER TEMPERATURE: Maximum daily mean, 28.5 °C, July 22; minimum daily mean, 10.6 °C, Jan. 25.

DISSOLVED OXYGEN: Maximum daily mean, 3.7 mg/L, Jan. 25; minimum daily mean 0.0 many days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	60	78	90	96	108	115	106	116	---	---	74	71
2	61	77	89	96	108	118	106	109	82	---	76	69
3	61	78	89	97	110	120	106	108	81	---	75	65
4	61	79	90	97	110	121	107	---	82	---	77	64
5	62	80	91	97	110	124	107	---	84	---	77	64
6	62	79	92	98	110	126	108	---	88	---	77	65
7	62	80	92	99	111	129	107	---	84	---	77	66
8	63	---	94	100	113	131	107	---	---	---	74	70
9	62	---	95	100	114	131	108	---	---	---	76	69
10	63	---	94	101	115	128	109	---	---	---	77	68
11	62	---	94	100	115	130	109	---	---	---	76	68
12	62	---	94	101	115	131	110	---	---	---	76	69
13	62	---	93	101	115	132	112	---	---	---	74	69
14	64	---	94	100	116	131	111	---	---	---	74	69
15	65	---	94	94	118	128	110	---	---	66	75	69
16	69	---	95	93	119	126	111	---	---	65	76	68
17	70	82	96	94	119	121	112	---	---	65	77	69
18	---	83	96	94	119	113	112	---	---	64	78	71
19	---	84	96	95	119	112	113	---	---	63	79	71
20	---	86	96	96	119	113	114	---	---	63	79	71
21	---	86	97	96	119	113	115	---	---	63	78	73
22	71	87	98	97	120	112	116	---	---	64	79	73
23	73	87	98	98	122	110	115	---	---	64	78	73
24	74	88	98	98	122	109	114	---	---	65	78	73
25	75	90	97	99	123	109	116	---	---	65	77	73
26	76	89	94	101	123	108	116	---	---	65	76	72
27	76	88	93	103	119	107	113	---	---	67	76	73
28	77	89	94	104	115	107	113	---	---	67	74	73
29	78	88	96	106	---	106	116	---	---	71	73	73
30	80	89	96	107	---	106	117	---	---	73	72	74
31	80	---	96	108	---	106	---	---	---	74	71	---
MEAN	---	---	94	99	116	118	111	---	---	---	76	70
MAX	---	---	98	108	123	132	117	---	---	---	79	74
MIN	---	---	89	93	108	106	106	---	---	---	71	64

02266200 WHITTENHORSE CREEK NEAR VINELAND, FL—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.6	22.6	18.7	14.6	13.9	17.0	22.1	21.9	---	---	27.1	27.3
2	26.7	22.8	18.8	15.2	14.4	14.9	22.2	22.4	23.9	---	27.2	27.1
3	26.7	22.6	17.4	15.1	15.5	13.1	19.6	21.6	24.1	---	27.4	26.8
4	26.6	22.7	15.9	15.4	14.5	13.6	18.6	---	24.0	---	27.6	26.6
5	26.6	22.3	15.7	16.2	13.0	14.2	19.1	---	24.5	---	27.2	26.5
6	26.2	20.9	16.8	16.7	13.8	14.9	20.0	---	25.3	---	26.9	26.4
7	25.7	20.1	18.1	17.4	14.9	16.1	20.5	---	25.8	---	26.7	26.4
8	25.0	---	18.9	17.9	15.9	17.0	20.8	---	---	---	26.3	26.2
9	24.9	---	19.3	17.9	16.2	14.8	20.6	---	---	---	26.5	26.0
10	24.7	---	19.8	17.7	16.3	13.9	20.6	---	---	---	27.1	26.1
11	24.5	---	18.1	17.5	13.3	14.5	20.2	---	---	---	27.7	26.1
12	24.4	---	15.1	17.7	12.3	15.1	20.7	---	---	---	27.5	26.1
13	24.5	---	14.5	18.7	12.5	15.6	21.6	---	---	---	27.1	26.1
14	23.9	---	14.2	18.8	13.9	17.0	20.1	---	---	---	27.6	25.7
15	23.1	---	11.5	16.9	15.8	18.0	18.8	---	---	27.6	27.4	25.6
16	21.7	---	11.9	15.2	16.7	19.2	17.8	---	---	28.0	27.9	25.6
17	21.1	19.2	13.5	13.0	17.5	19.2	17.5	---	---	28.0	28.3	25.8
18	---	18.4	14.8	11.5	16.3	17.8	18.0	---	---	28.0	28.4	25.9
19	---	18.5	14.1	11.5	14.8	16.0	18.6	---	---	27.8	28.2	26.1
20	---	18.9	11.5	12.0	15.1	16.2	19.3	---	---	28.0	28.0	26.0
21	---	19.0	10.8	12.8	16.3	17.0	19.9	---	---	28.3	27.5	26.1
22	23.3	19.1	12.7	13.8	17.8	18.8	20.2	---	---	28.5	27.6	26.0
23	22.9	19.5	14.6	13.8	19.1	19.7	19.8	---	---	28.4	27.8	25.9
24	22.4	20.2	15.0	10.7	19.2	19.7	18.8	---	---	28.3	27.7	26.1
25	22.5	20.6	13.4	10.6	19.0	20.5	17.7	---	---	28.1	27.6	25.9
26	22.3	17.9	12.8	11.6	18.2	21.0	18.4	---	---	28.0	27.6	25.7
27	22.1	17.8	10.8	13.2	18.5	21.7	19.8	---	---	28.2	27.6	25.6
28	21.9	18.5	11.4	13.8	18.6	22.0	19.8	---	---	28.3	27.6	25.4
29	22.1	17.7	12.6	14.5	---	20.6	20.2	---	---	28.2	27.7	25.2
30	22.5	17.8	13.2	15.4	---	19.7	21.4	---	---	27.7	27.8	25.5
31	22.5	---	13.8	14.7	---	20.6	---	---	---	27.2	27.6	---
MEAN	---	---	14.8	14.9	15.8	17.4	19.8	---	---	---	27.5	26.1
MAX	---	---	19.8	18.8	19.2	22.0	22.2	---	---	---	28.4	27.3
MIN	---	---	10.8	10.6	12.3	13.1	17.5	---	---	---	26.3	25.2

02266200 WHITTENHORSE CREEK NEAR VINELAND, FL—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	0.1	1.0	1.9	2.5	2.2	0.1	1.1	---	---	0.0	0.0
2	---	0.1	1.0	1.8	2.2	2.7	0.1	0.9	1.3	---	0.0	0.0
3	---	0.1	1.2	1.8	2.1	2.9	0.3	1.0	1.1	---	0.0	0.0
4	---	0.1	1.0	1.8	2.4	3.2	0.7	---	0.6	---	0.0	0.0
5	---	0.1	1.0	1.7	2.9	3.1	0.6	---	0.3	---	0.0	0.0
6	---	0.1	0.9	1.6	2.7	2.9	0.4	---	0.1	---	0.0	0.0
7	---	0.1	0.7	1.5	2.4	2.7	0.6	---	0.1	---	0.1	0.0
8	0.2	---	0.8	1.4	2.4	2.7	1.0	---	---	---	0.0	0.0
9	0.0	---	0.8	1.5	2.4	2.6	1.1	---	---	---	0.0	0.0
10	0.0	---	0.8	1.6	2.4	3.3	1.1	---	---	---	0.0	0.0
11	0.0	---	0.8	1.6	3.2	3.0	1.1	---	---	---	0.0	0.0
12	0.0	---	1.2	1.6	3.5	2.9	1.2	---	---	---	0.0	0.0
13	0.0	---	1.2	1.5	3.5	2.8	1.1	---	---	---	0.0	0.0
14	0.0	---	1.5	1.9	3.3	2.4	1.0	---	---	---	0.0	0.0
15	0.0	---	2.4	1.6	2.7	2.2	1.2	---	---	0.0	0.0	0.0
16	0.0	---	2.5	2.2	2.7	1.5	1.4	---	---	0.0	0.0	0.0
17	0.0	0.7	1.9	2.9	2.4	1.2	1.5	---	---	0.0	0.0	0.0
18	---	0.5	1.5	3.4	2.7	1.9	1.5	---	---	0.0	0.0	0.0
19	---	0.7	1.8	3.5	2.9	1.9	1.5	---	---	0.0	0.0	0.0
20	---	0.6	2.6	3.3	2.9	2.2	1.3	---	---	0.1	0.0	0.0
21	---	0.6	2.8	3.0	2.8	1.9	1.3	---	---	0.1	0.0	0.0
22	0.3	0.6	2.2	2.5	2.4	1.9	1.3	---	---	0.1	0.0	0.0
23	0.2	0.7	1.6	2.6	2.2	1.5	1.0	---	---	0.1	0.0	0.0
24	0.1	0.7	1.4	3.6	1.9	1.4	1.4	---	---	0.1	0.0	0.0
25	0.1	0.7	2.4	3.7	1.6	1.1	1.3	---	---	0.1	0.0	0.1
26	0.1	0.8	2.4	3.2	2.0	0.8	1.1	---	---	0.1	0.0	0.1
27	0.1	0.8	3.2	2.5	1.8	0.6	0.9	---	---	0.1	0.0	0.1
28	0.1	0.6	3.1	2.0	1.8	0.6	1.3	---	---	0.1	0.0	0.1
29	0.1	0.9	2.6	2.2	---	0.5	1.0	---	---	0.2	0.0	0.1
30	0.1	1.1	2.3	2.1	---	0.8	1.2	---	---	0.0	0.1	0.1
31	0.1	---	2.2	2.3	---	1.0	---	---	---	0.0	0.1	---
MEAN	---	---	1.7	2.3	2.5	2.0	1.0	---	---	---	0.0	0.0
MAX	---	---	3.2	3.7	3.5	3.3	1.5	---	---	---	0.1	0.1
MIN	---	---	0.7	1.4	1.6	0.5	0.1	---	---	---	0.0	0.0

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, ftrd, Pt-Co (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, ftrd, mg/L (00915)	Magnesium, water, ftrd, mg/L (00925)	Potassium, water, ftrd, mg/L (00935)	Sodium, water, ftrd, mg/L (00930)
JUL 14...	0800	94.67	49	200	.4	5.1	69	27.3	17	3.95	1.84	2.20	5.29
Date	ANC, wat unfiltered end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, ftrd, mg/L (00940)	Fluoride, water, ftrd, mg/L (00950)	Sulfate, water, ftrd, mg/L (00945)	Ammonia + org-N, water, unfiltered, mg/L as N (00625)	Ammonia, water, ftrd, mg/L as N (00608)	Nitrite + nitrate, water, ftrd, mg/L as N (00631)	Nitrite, water, ftrd, mg/L as N (00613)	Orthophosphate, water, ftrd, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L (00665)	Organic carbon, water, unfiltered, mg/L (00680)	Aluminum, water, unfiltered, recoverable, ug/L (01105)	Arsenic, water, unfiltered, ug/L (01002)
JUL 14...	7	10.2	<.1	1.3	1.3	E.03	<.06	E.006	<.02	.04	34.8	148	<2
Date	Beryllium, water, unfiltered, recoverable, ug/L (01012)	Cadmium, water, unfiltered, ug/L (01027)	Chromium, water, unfiltered, recoverable, ug/L (01034)	Copper, water, unfiltered, recoverable, ug/L (01042)	Iron, water, unfiltered, recoverable, ug/L (01045)	Lead, water, unfiltered, recoverable, ug/L (01051)	Manganese, water, unfiltered, recoverable, ug/L (01055)	Mercury, water, unfiltered, recoverable, ug/L (71900)	Nickel, water, unfiltered, recoverable, ug/L (01067)	Selenium, water, unfiltered, ug/L (01147)	Zinc, water, unfiltered, recoverable, ug/L (01092)		
JUL 14...	<.06	<.04	<.8	<.6	370	.28	15	E.01	.33	E.2	2		

02266205 WHITTENHORSE CREEK AT S-411, NEAR VINELAND, FL

LOCATION.--Lat 28° 23'34", long 81° 36'40", in SE¹/₄ sec.16, T.24 S., R.27 E., Orange County, Hydrologic Unit 03090101, on upstream side of control structure S-411, 0.2 mi upstream from mouth, and 6.6 mi west of Vineland.

DRAINAGE AREA.--13 mi², approximately.

PERIOD OF RECORD.--October 1986 to current year.

GAGE.--Water-stage recorder, gate-opening recorder, and data-collection platform. Datum of gage is at NGVD of 1929 (Reedy Creek Improvement District bench mark). Auxiliary water-stage recorder at downstream side of control structure.

REMARKS.--Records poor. A maximum stage, 96.88 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 26, 2004. Flow regulated by operation of structure 411. At high stages interconnection exists between Reedy Creek, Whittenshorse Creek, and Boggy Creek.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.50	0.00	0.00
2	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e1.0	0.00	0.00
3	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.50	0.00	e8.0
4	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.50	0.00	e13
5	29	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.50	0.00	e8.0
6	30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.50	0.00	e4.0
7	28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e6.0
8	24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e9.0
9	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e9.0
10	19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e2.0	0.00	e8.0
11	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e1.0	0.00	e7.0
12	21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e3.0	0.00	e5.0
13	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e2.0	0.00	e3.0
14	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e1.5	0.00	e2.0
15	17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e1.0	0.00	e1.5
16	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.50	0.00	e1.0
17	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.50	0.00	e1.0
18	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.50	0.00	e0.50
19	8.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.50	0.00	e0.50
20	8.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.50	0.00	0.00
21	7.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	7.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e0.50	0.00	0.00
23	6.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	5.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25	4.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	4.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	3.7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e1.5	0.00	0.00	0.00
28	3.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	e2.0	0.00	0.00	0.00
29	1.0	0.00	0.00	0.00	---	0.00	0.00	0.00	e0.50	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	e0.50	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	468.30	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.50	17.00	0.00	86.50
MEAN	15.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.55	0.00	2.88
MAX	32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.0	3.0	0.00	13
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

MEAN	9.19	4.87	6.99	8.83	3.67	4.70	1.75	0.58	1.35	6.15	9.15	8.94
MAX	66.1	22.2	54.0	71.8	23.4	25.5	8.87	2.55	8.97	60.2	61.3	45.2
(WY)	(1996)	(1995)	(2003)	(1996)	(1998)	(1998)	(1987)	(1995)	(1991)	(2002)	(2003)	(2002)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1998)	(1990)	(1990)	(1997)	(2001)	(1997)	(1997)	(1996)	(1996)	(1996)	(1996)	(1996)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1987 - 2005

ANNUAL TOTAL	1,497.67	576.30	
ANNUAL MEAN	4.09	1.58	5.54
HIGHEST ANNUAL MEAN			18.3
LOWEST ANNUAL MEAN			0.21
HIGHEST DAILY MEAN	163	Sep 26	318
LOWEST DAILY MEAN	0.00	Many days	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00
MAXIMUM PEAK STAGE			97.21
10 PERCENT EXCEEDS	15		15
50 PERCENT EXCEEDS	0.00		0.74
90 PERCENT EXCEEDS	0.00		0.00

e Estimated

02266291 LATERAL 405 AT S-405A, NEAR DOCTOR PHILLIPS, FL

LOCATION.--Lat 28° 25' 37", long 81° 36' 19" in SW 1/4 sec.3, T.24 S., R.27 E., Orange County, Hydrologic Unit 03090101, on right upstream wingwall of control structure S-405A, 200 ft upstream from Lateral 407, and 6.4 mi west of Doctor Phillips.

DRAINAGE AREA.--19.6 mi².

PERIOD OF RECORD.--June 1969 to September 1972 (gage heights and periodic discharge measurements only), October 1986 to current year.

REVISED RECORDS.--WDR FL-96-1A: Drainage area.

GAGE.--Water-stage recorder, gate-opening recorder, and data-collection platform. Datum of gage is at NGVD of 1929 (Reedy Creek Improvement District bench mark). Auxiliary water-stage recorder at downstream side of control structure.

REMARKS.--Records poor. Flow regulated by operation of structure 405A. Discharge computed from relation between discharge and gate openings and does not include leakage, which is less than 5.0 ft³/s, around structure or gates.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	64	e56	e14	e8.0	7.2	3.6	11	0.90	0.00	e32	14	21
2	76	e54	e14	e7.0	7.2	3.6	9.9	0.90	0.00	e30	14	24
3	82	e52	e13	e7.0	7.2	3.6	9.0	1.8	0.00	e28	22	e45
4	84	e50	e13	e6.0	7.2	3.6	7.2	0.90	0.00	e27	28	e160
5	84	e50	e13	e6.0	7.2	3.6	7.2	0.90	0.00	e25	24	e140
6	84	e47	e13	e5.0	7.2	3.6	6.3	0.90	0.00	e23	22	e70
7	84	e44	e12	e5.0	6.3	3.6	6.3	1.8	0.00	e20	22	e5.0
8	80	e42	e12	e4.0	5.4	2.7	6.3	1.8	0.00	e19	24	20
9	78	e39	e12	e3.0	5.4	0.90	4.5	1.8	0.00	23	24	33
10	77	e37	e12	e3.0	5.4	0.90	4.5	1.8	0.00	41	24	37
11	81	e34	e12	e3.0	4.5	0.90	4.5	1.8	0.00	39	23	38
12	86	e32	e12	2.7	4.5	0.90	4.5	1.8	14	40	e21	38
13	83	e32	e11	3.6	4.5	0.90	3.6	1.8	36	38	e20	37
14	84	e31	e11	21	4.5	0.90	1.8	1.8	32	35	e18	35
15	80	e29	e11	25	4.5	0.90	1.8	1.8	24	34	e16	34
16	78	e28	e10	30	4.5	0.90	1.8	1.8	20	31	e13	33
17	74	e27	e10	26	4.5	4.5	1.8	0.00	15	28	e10	32
18	71	e24	e10	22	4.5	11	1.8	0.00	13	28	e8.0	30
19	71	e22	e10	20	4.5	11	1.8	0.00	12	26	5.4	28
20	70	e22	e9.0	17	4.5	12	1.8	0.00	16	24	20	28
21	72	e20	e9.0	14	4.5	12	1.8	0.00	20	22	48	28
22	72	e18	e9.0	14	3.6	11	1.8	0.00	20	20	42	29
23	71	e16	e9.0	13	3.6	17	1.8	0.00	18	20	38	31
24	69	e16	e9.0	12	3.6	18	1.8	0.00	18	20	34	30
25	67	e19	e9.0	9.9	3.6	18	1.8	0.00	18	19	32	28
26	65	e18	e11	9.9	3.6	21	1.8	0.00	16	16	31	26
27	63	e18	e10	9.0	3.6	20	1.8	0.00	24	14	28	24
28	61	e19	e9.0	8.1	3.6	16	1.8	0.00	46	11	27	23
29	e60	e16	e9.0	8.1	---	15	1.8	0.00	41	9.9	20	22
30	e58	e15	e8.0	8.1	---	14	1.8	0.00	42	14	16	21
31	e57	---	e8.0	7.2	---	12	---	0.00	---	14	18	---
TOTAL	2,286	927	334.0	337.6	140.4	247.60	115.4	24.30	445.00	770.9	706.4	1,150.0
MEAN	73.7	30.9	10.8	10.9	5.01	7.99	3.85	0.78	14.8	24.9	22.8	38.3
MAX	86	56	14	30	7.2	21	11	1.8	46	41	48	160
MIN	57	15	8.0	2.7	3.6	0.90	1.8	0.00	0.00	9.9	5.4	5.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

	10.7	6.94	11.2	10.4	9.37	9.84	6.09	3.43	5.45	6.34	8.61	12.0
MEAN	10.7	6.94	11.2	10.4	9.37	9.84	6.09	3.43	5.45	6.34	8.61	12.0
MAX	73.7	30.9	104	73.9	85.0	74.5	29.5	22.1	42.0	38.0	65.3	68.8
(WY)	(2005)	(2005)	(1998)	(1998)	(1998)	(1998)	(1998)	(1991)	(2003)	(2003)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1990)	(1990)	(1999)	(1999)	(2000)	(1999)	(1990)	(1990)	(1989)	(1989)	(1989)	(1989)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1987 - 2005

ANNUAL TOTAL	8,115.80	7,484.60	
ANNUAL MEAN	22.2	20.5	8.37
HIGHEST ANNUAL MEAN			32.7
LOWEST ANNUAL MEAN			0.03
HIGHEST DAILY MEAN	e160	Sep 27	e200
LOWEST DAILY MEAN	0.00	Many days	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 10	0.00
MAXIMUM PEAK STAGE			96.57
10 PERCENT EXCEEDS	70		53
50 PERCENT EXCEEDS	10		13
90 PERCENT EXCEEDS	0.00		0.90

e Estimated

02266295 LATERAL 410 AT S-410, NEAR VINELAND, FL

LOCATION.--Lat 28° 21' 58", long 81° 35' 55" in SE 1/4 sec. 27, T.24 S., R.27 E., Orange County, Hydrologic Unit 03090101, at upstream side of control structure S-410, 0.5 mi west of sewage treatment plant road, 3.0 mi southwest of EPCOT Center, and 6.2 mi southwest of Vineland.

DRAINAGE AREA.--7.53 mi².

PERIOD OF RECORD.--October 1986 to current year.

REVISED RECORDS.--WDR FL-96-1A: Drainage area.

GAGE.--Water-stage recorder, gate-opening recorder, and data-collection platform. Datum of gage is at NGVD of 1929. Auxilliary gage at downstream side of control structure 410.

REMARKS.--Records are poor. Flow regulated by operation of structure 410. Discharge computed from relation between discharge and gate openings and does not include leakage around structure or gates, which is less than 5.0 ft³/s. At high stages interconnection exists between Reedy Creek, Whittenhorse Creek, and Boggy Creek.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e62	26	e0.00	e6.0	e5.0	0.00	6.3	e0.00	0.00	27	6.3	2.7
2	e61	25	e0.00	e5.0	e4.0	0.00	6.3	e0.00	0.00	32	7.2	11
3	e59	24	e0.00	e5.0	e3.0	0.00	6.3	e0.00	0.00	31	8.9	25
4	e57	22	e0.00	e4.0	e2.0	0.00	5.4	0.00	0.00	30	8.0	35
5	e55	21	e0.00	e3.0	e1.0	0.00	5.4	0.00	0.00	26	6.3	27
6	e53	21	e0.00	e2.0	e0.00	0.00	4.5	0.00	0.00	21	6.3	e14
7	e51	20	e0.00	e2.0	e0.00	0.00	4.5	0.00	0.00	18	8.0	e12
8	48	17	e0.00	e2.0	0.00	0.00	3.6	0.00	0.00	14	e10	e11
9	46	15	e1.0	e1.0	0.00	0.00	3.6	0.00	0.00	15	e11	e8.0
10	45	15	e1.0	e1.0	0.00	0.00	2.7	0.00	0.00	31	e5.0	e6.0
11	42	14	e1.0	e1.0	0.00	0.00	2.7	0.00	0.00	31	0.89	e4.0
12	42	14	e1.0	0.89	0.00	0.00	2.7	0.00	4.5	33	2.7	e3.0
13	42	e14	e1.0	0.89	0.00	0.00	1.8	0.00	17	32	5.4	e2.0
14	42	e14	e1.0	9.8	0.00	0.00	1.8	0.00	12	30	5.4	0.46
15	41	e12	e1.0	12	0.00	0.00	1.8	0.00	11	29	3.6	0.00
16	39	e10	e1.0	13	0.00	0.00	1.8	0.00	8.0	25	1.8	0.00
17	36	e9.0	e1.0	13	0.00	1.8	0.89	0.00	6.3	23	0.89	0.00
18	31	e9.0	e1.0	13	0.00	3.6	0.89	0.00	5.4	24	0.89	0.00
19	30	e7.0	e1.0	12	0.00	3.6	0.89	0.00	5.4	e24	0.89	11
20	29	e5.0	e1.0	e11	0.00	3.6	0.89	0.00	4.5	e12	0.00	8.2
21	27	e4.0	e1.0	e9.0	0.00	3.6	0.89	0.00	6.3	e1.0	0.00	7.2
22	27	e2.0	e1.0	e8.0	0.00	3.6	0.89	0.00	5.4	e11	0.00	7.2
23	27	e1.0	e1.0	e7.0	0.00	5.4	0.89	0.00	5.4	9.8	0.00	7.2
24	26	e0.00	e1.0	e5.0	0.00	5.4	0.89	0.00	5.4	8.0	0.89	5.2
25	26	e0.00	e8.0	e4.0	0.00	5.4	0.89	0.00	6.3	6.3	0.89	1.9
26	25	e0.00	e13	e3.0	0.00	6.3	e0.90	0.00	5.4	5.4	e30	1.8
27	24	e0.00	e18	e3.0	0.00	7.2	e0.90	0.00	13	4.5	e32	1.8
28	23	e0.00	e24	e4.0	0.00	7.2	e0.00	0.00	26	1.8	e32	1.8
29	16	e0.00	e18	e4.0	---	7.2	e0.00	0.00	21	0.89	e26	1.8
30	24	e0.00	e12	e4.0	---	7.2	e0.00	0.00	23	0.89	e7.0	1.8
31	25	---	e8.0	e5.0	---	7.2	---	0.00	---	1.8	1.1	---
TOTAL	1,181	321.00	117.00	173.58	15.00	78.30	71.01	0.00	191.30	559.38	229.34	218.06
MEAN	38.1	10.7	3.77	5.60	0.54	2.53	2.37	0.00	6.38	18.0	7.40	7.27
MAX	62	26	24	13	5.0	7.2	6.3	0.00	26	33	32	35
MIN	16	0.00	0.00	0.89	0.00	0.00	0.00	0.00	0.00	0.89	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

	8.36	5.06	6.67	4.15	3.15	5.46	4.26	1.93	3.17	6.56	11.2	12.9
MEAN	8.36	5.06	6.67	4.15	3.15	5.46	4.26	1.93	3.17	6.56	11.2	12.9
MAX	38.1	24.7	34.0	24.7	11.8	23.4	19.8	11.2	19.3	26.2	89.0	69.6
(WY)	(2005)	(1988)	(2003)	(2003)	(2003)	(1993)	(1993)	(1991)	(1991)	(1991)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1987)	(1987)	(1987)	(1987)	(1987)	(1999)	(1999)	(1999)	(1998)	(1998)	(1998)	(1999)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1987 - 2005

ANNUAL TOTAL	4,312.88	3,154.97	
ANNUAL MEAN	11.8	8.64	6.09
HIGHEST ANNUAL MEAN			24.3
LOWEST ANNUAL MEAN			0.14
HIGHEST DAILY MEAN	e140	Sep 26	e62
LOWEST DAILY MEAN	0.00	Many days	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00
MAXIMUM PEAK STAGE			96.78
10 PERCENT EXCEEDS	43		27
50 PERCENT EXCEEDS	0.89		3.6
90 PERCENT EXCEEDS	0.00		0.00
			191
			Oct 1
			Nov 24
			Sep 3
			Dec 13, 2002
			Many days
			Many days
			Oct 12, 1995

e Estimated

02266300 REEDY CREEK NEAR VINELAND, FL

LOCATION.--Lat 28° 19'57", long 81° 34'48", in NE 1/4 sec. 11, T.25 S., R.27 E., Osceola County, Hydrologic Unit 03090101, 100 ft downstream of bridge on U.S. Highway 192, about 2.5 mi upstream from bridge on Interstate Highway 4, 6.5 mi southwest of Vineland, and 28 mi upstream from mouth.

DRAINAGE AREA.--84.6 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Water years 1960, 1962-66 (annual maximum), May 1966 to current year.

REVISED RECORDS.--WDR FL-96-1A: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 66.37 ft above NGVD of 1929. Sept. 26, 1962, to January 1966, crest-stage gage at site 200 ft upstream at same datum. May 1966 to July 29, 1999 at site 100 ft upstream at same datum.

REMARKS.--Records good. Natural flow of stream affected by several canals, levees, and control structures.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	402	137	78	42	43	50	90	16	28	302	121	113
2	390	134	66	40	41	43	77	15	43	275	120	135
3	384	130	56	38	42	38	66	15	44	262	178	349
4	369	126	52	37	41	37	56	32	62	247	179	590
5	351	124	48	34	40	36	48	29	56	209	139	470
6	331	120	47	31	40	31	41	25	40	173	134	343
7	319	116	45	30	37	29	37	20	29	148	146	225
8	304	110	43	30	36	27	35	16	22	130	229	157
9	289	104	41	28	34	29	31	12	19	121	204	154
10	276	100	40	27	33	32	27	10	23	270	157	156
11	274	80	41	26	32	28	24	10	26	297	120	148
12	298	77	41	25	30	25	22	16	115	296	121	137
13	302	86	39	23	30	19	24	14	224	260	132	126
14	288	83	37	79	29	24	22	12	191	220	118	115
15	275	80	35	176	28	38	19	10	132	205	104	104
16	271	76	33	169	27	44	17	9.0	102	189	93	95
17	258	77	33	158	26	58	15	7.7	78	168	83	91
18	243	68	31	131	25	103	14	6.7	63	166	76	86
19	229	54	31	112	24	111	13	6.0	54	151	68	79
20	220	53	30	98	23	88	12	5.4	65	149	60	84
21	214	53	29	89	22	76	11	4.8	109	116	108	78
22	208	54	28	82	21	71	10	4.5	123	102	132	84
23	201	54	27	78	22	80	9.9	4.2	146	109	118	97
24	194	46	27	74	22	102	11	4.1	137	99	124	97
25	189	43	37	68	22	88	10	3.8	114	97	161	89
26	183	50	58	63	22	99	12	3.5	100	88	131	79
27	142	49	54	59	40	125	30	3.5	88	80	132	66
28	152	58	55	57	56	104	23	4.1	311	85	129	58
29	155	64	52	52	---	85	18	4.3	318	134	119	53
30	143	64	47	47	---	73	15	3.8	283	150	99	49
31	140	---	44	45	---	66	---	9.1	---	131	101	---
TOTAL	7,994	2,470	1,325	2,048	888	1,859	839.9	336.5	3,145	5,429	3,936	4,507
MEAN	258	82.3	42.7	66.1	31.7	60.0	28.0	10.9	105	175	127	150
MAX	402	137	78	176	56	125	90	32	318	302	229	590
MIN	140	43	27	23	21	19	9.9	3.5	19	80	60	49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	54.0	35.5	43.0	44.8	40.8	42.8	25.7	16.1	35.0	57.0	77.3	86.0
MAX	258	159	339	258	278	271	109	75.7	108	175	439	515
(WY)	(2005)	(1988)	(1998)	(2003)	(1998)	(1998)	(1987)	(1991)	(1991)	(2005)	(2003)	(2004)
MIN	3.58	0.18	2.63	2.68	1.62	6.20	0.08	0.00	0.00	8.86	14.3	7.45
(WY)	(1968)	(1968)	(1968)	(1968)	(2001)	(1968)	(1967)	(1967)	(1967)	(1969)	(2000)	(1978)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1966 - 2005
ANNUAL TOTAL	41,658.6	34,777.4	
ANNUAL MEAN	114	95.3	46.6
HIGHEST ANNUAL MEAN			165
LOWEST ANNUAL MEAN			15.9
HIGHEST DAILY MEAN	1,580	Sep 27	1,580
LOWEST DAILY MEAN	5.0	Jun 2	0.00
ANNUAL SEVEN-DAY MINIMUM	5.5	May 28	0.00
MAXIMUM PEAK FLOW		606	*1,910
MAXIMUM PEAK STAGE		12.12	*14.90
10 PERCENT EXCEEDS	294	224	105
50 PERCENT EXCEEDS	44	66	23
90 PERCENT EXCEEDS	12	16	6.4

* From floodmark

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
JUL 14...	1000	10.76	219	400	4.0	6.1	137	26.9	35	9.51	2.67	3.49	13.1
Date	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic water unfltrd ug/L (01002)
JUL 14...	16	24.4	<.1	4.9	1.5	E.03	.14	.009	.07	.13	42.0	321	<2
Date	Beryllium, water, unfltrd recoverable, ug/L (01012)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Zinc, water, unfltrd recoverable, ug/L (01092)		
JUL 14...	<.06	<.04	E.5	1.2	490	.46	10	E.01	.91	.5	3		

02266480 DAVENPORT CREEK NEAR LOUGHMAN, FL

LOCATION.--Lat 28° 16'15", long 81° 35'28", in NW¹/₄ sec.35, T.25 S., R.27 E., Osceola County, Hydrologic Unit 03090101, at downstream side of culverts on State Highway 545, 2.0 mi upstream from mouth, and 2.5 mi northwest of Loughman.

DRAINAGE AREA.--23.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1969 to current year.

GAGE.--Water-stage recorder. Datum of gage is 77.69 ft above NGVD of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Records fair. A maximum stage, 8.83 ft occurred on Oct. 1, stage falling, peak occurred on Sept. 27, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	26	21	21	21	27	29	14	e14	105	25	72
2	90	25	19	20	19	23	26	17	20	96	40	76
3	72	24	18	19	19	18	23	16	25	81	45	86
4	62	23	17	18	19	17	21	18	30	67	39	145
5	59	22	17	17	19	16	18	21	33	59	31	134
6	56	21	16	17	18	15	15	23	30	50	26	94
7	51	20	15	16	17	13	16	23	24	42	33	77
8	47	19	15	16	16	11	18	18	22	36	56	64
9	44	18	14	16	15	11	17	14	18	35	65	57
10	42	17	15	15	15	14	15	11	16	65	56	53
11	41	17	17	15	13	15	13	10	20	80	48	48
12	40	16	18	14	12	13	11	17	53	76	38	42
13	40	15	17	14	12	11	11	21	88	69	35	35
14	39	14	15	35	11	10	12	18	92	60	38	30
15	39	14	14	59	11	11	11	13	73	54	33	26
16	38	13	13	66	10	13	9.3	10	70	48	28	23
17	38	13	12	60	9.7	22	7.4	7.9	60	42	22	19
18	37	12	12	53	9.0	40	6.1	6.9	53	36	18	16
19	37	12	11	48	8.5	44	5.2	6.2	44	35	15	13
20	36	11	11	43	8.2	40	4.8	5.5	38	37	14	12
21	36	11	10	40	7.8	33	4.6	4.9	37	32	15	13
22	35	10	9.7	38	7.5	30	4.4	4.5	43	25	15	15
23	34	10	9.5	36	7.3	31	4.2	4.2	66	19	15	e29
24	33	10	9.7	33	7.3	32	4.5	3.8	70	16	21	e28
25	32	14	14	30	7.6	32	4.1	3.6	65	14	20	e27
26	31	16	27	27	8.2	31	4.6	3.3	56	12	23	e25
27	30	18	35	26	14	39	16	3.2	50	10	24	e22
28	29	21	33	25	23	44	24	3.2	63	8.9	32	e21
29	28	23	29	24	---	40	21	e3.1	84	8.5	40	e20
30	27	22	26	23	---	34	14	e3.0	95	9.8	42	e19
31	26	---	23	21	---	31	---	e4.6	---	13	51	---
TOTAL	1,364	507	532.9	905	365.1	761	390.2	331.9	1,452	1,341.2	1,003	1,341
MEAN	44.0	16.9	17.2	29.2	13.0	24.5	13.0	10.7	48.4	43.3	32.4	44.7
MAX	115	26	35	66	23	44	29	23	95	105	65	145
MIN	26	10	9.5	14	7.3	10	4.1	3.0	14	8.5	14	12
CFSM	1.91	0.73	0.75	1.27	0.57	1.07	0.57	0.47	2.10	1.88	1.41	1.94
IN.	2.21	0.82	0.86	1.46	0.59	1.23	0.63	0.54	2.35	2.17	1.62	2.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

	1970	1970	(2003)	(2003)	(1998)	(1998)	(1984)	(1979)	(2005)	(1991)	(2003)	(2004)
MEAN	13.9	10.7	13.7	14.8	13.5	13.0	7.57	4.49	9.99	16.8	23.4	23.4
MAX	62.0	39.9	83.6	71.7	57.3	58.0	40.9	24.7	48.4	48.3	174	89.5
(WY)	(1970)	(1970)	(2003)	(2003)	(1998)	(1998)	(1984)	(1979)	(2005)	(1991)	(2003)	(2004)
MIN	1.34	1.06	1.15	1.20	1.05	1.49	0.90	0.48	0.85	1.58	1.83	2.08
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(1974)	(1981)	(1981)	(2001)	(2001)	(1989)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1970 - 2005

ANNUAL TOTAL	10,061.1	10,294.3	
ANNUAL MEAN	27.5	28.2	13.8
HIGHEST ANNUAL MEAN			50.4
LOWEST ANNUAL MEAN			3.90
HIGHEST DAILY MEAN	230	Aug 15	145
LOWEST DAILY MEAN	a3.2		e3.0
ANNUAL SEVEN-DAY MINIMUM	3.2	May 26	3.3
MAXIMUM PEAK FLOW			158
MAXIMUM PEAK STAGE			8.20
INSTANTANEOUS LOW FLOW			
ANNUAL RUNOFF (CFSM)	1.20	1.23	0.32
ANNUAL RUNOFF (INCHES)	16.27	16.65	8.14
10 PERCENT EXCEEDS	58	59	35
50 PERCENT EXCEEDS	16	21	6.1
90 PERCENT EXCEEDS	3.3	9.2	1.6

e Estimated

* Sep 22, 1969, Aug 24, 2003

a May 26-Jun 3, Jun 5-9

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1965, 1968-94, 1996 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
JUL 13...	1300	7.40	68	400	4.2	6.4	119	27.8	45	13.3	2.83	2.48	9.28
Date	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Sulfate, water, fltrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic, water, unfltrd ug/L (01002)
JUL 13...	37	14.8	E.1	2.7	1.6	<.04	.07	E.007	.09	.16	34.5	261	<2
Date	Beryllium, water, unfltrd recoverable, ug/L (01012)	Cadmium, water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury, water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Zinc, water, unfltrd recoverable, ug/L (01092)		
JUL 13...	<.06	E.03	E.6	1.3	530	.93	6	.01	.86	E.2	4		

02266495 REEDY CREEK AT S-40, NEAR LOUGHMAN, FL

LOCATION.--Lat 28° 16'32", long 81° 32'39" in SE $\frac{1}{4}$ sec.30, T.25 S., R.28 E., Osceola County, Hydrologic Unit 03090101, on right bank 15 ft upstream from spillway, 2.8 mi northeast of Loughman, and 22 mi upstream from mouth.

DRAINAGE AREA.--174 mi².

GAGE-HEIGHT RECORDS

PERIOD OF RECORD.--October 1986 to current year (gage heights only).

REVISED RECORDS.--WDR FL-96-1A: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (Reedy Creek Improvement District bench mark).

REMARKS.--Flow regulated at station by manipulation of spillway gates.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily gage height, 72.39 ft, Aug. 24,25, 2003; minimum daily, 65.71 ft, June 7,2000.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71.93	69.90	69.61	70.05	69.46	68.71	69.61	68.54	68.03	70.50	70.09	70.21
2	71.76	69.86	69.61	70.04	69.42	68.74	69.61	68.56	68.25	70.60	70.09	70.26
3	71.66	69.83	69.61	70.03	69.39	68.75	69.59	68.55	68.43	70.63	70.13	70.36
4	71.58	69.80	69.61	70.01	69.37	68.77	69.55	68.58	68.62	70.61	70.15	70.51
5	71.53	69.77	69.59	69.98	69.34	68.75	69.51	68.61	68.73	70.58	70.17	70.75
6	71.45	69.72	69.58	69.87	69.30	68.72	69.47	68.66	68.78	70.51	70.20	70.91
7	71.33	69.69	69.57	69.76	69.26	68.69	69.42	68.67	68.81	70.41	70.22	70.96
8	71.21	69.65	69.60	69.68	69.23	68.66	69.39	68.65	68.80	70.31	70.36	70.92
9	71.09	69.63	69.63	69.60	69.19	68.64	69.35	68.61	68.79	70.29	70.51	70.83
10	70.99	69.60	69.68	69.54	69.15	68.65	69.30	68.55	68.77	70.44	70.57	70.72
11	70.93	69.57	69.75	69.48	69.10	68.63	69.25	68.50	68.78	70.52	70.54	70.62
12	70.90	69.53	69.79	69.43	69.06	68.61	69.19	68.55	69.00	70.64	70.49	70.53
13	70.85	69.50	69.82	69.38	69.01	68.58	69.15	68.55	69.32	70.73	70.47	70.44
14	70.78	69.47	69.85	69.55	68.96	68.55	69.10	68.52	69.55	70.88	70.40	70.34
15	70.73	69.45	69.86	69.75	68.92	68.56	69.04	68.48	69.78	70.89	70.33	70.26
16	70.68	69.42	69.87	69.84	68.87	68.58	68.98	68.42	70.02	70.85	70.26	70.18
17	70.62	69.43	69.88	69.90	68.82	68.74	68.91	68.34	70.06	70.78	70.18	70.10
18	70.57	69.46	69.88	69.93	68.77	68.94	68.84	68.24	70.04	70.71	70.10	70.03
19	70.50	69.48	69.88	69.92	68.71	69.04	68.77	68.14	69.99	70.65	70.03	69.97
20	70.45	69.50	69.88	69.89	68.66	69.13	68.70	68.06	69.96	70.59	69.96	69.92
21	70.40	69.51	69.87	69.86	68.60	69.18	68.63	67.96	69.91	70.51	69.91	69.88
22	70.35	69.51	69.87	69.83	68.54	69.20	68.55	67.84	69.94	70.43	69.88	69.88
23	70.30	69.52	69.87	69.78	68.49	69.26	68.48	67.74	70.09	70.33	69.87	69.93
24	70.25	69.53	69.87	69.73	68.48	69.30	68.41	67.68	70.20	70.27	69.88	69.93
25	70.20	69.57	69.93	69.68	68.48	69.33	68.34	67.62	70.21	70.21	69.92	69.91
26	70.15	69.59	70.03	69.65	68.47	69.40	68.28	67.57	70.19	70.14	69.95	69.88
27	70.11	69.59	70.06	69.61	68.54	69.52	68.45	67.51	70.13	70.07	69.97	69.84
28	70.07	69.62	70.07	69.58	68.66	69.59	68.49	67.48	70.15	70.01	69.99	69.82
29	70.02	69.62	70.07	69.55	---	69.61	68.50	67.44	70.17	69.97	70.01	69.79
30	69.98	69.61	70.07	69.53	---	69.61	68.49	67.40	70.34	70.01	70.00	69.75
31	69.94	---	70.06	69.49	---	69.60	---	67.59	---	70.03	70.07	---
MEAN	70.75	69.60	69.82	69.74	68.94	68.97	68.98	68.18	69.46	70.45	70.15	70.25
MAX	71.93	69.90	70.07	70.05	69.46	69.61	69.61	68.67	70.34	70.89	70.57	70.96
MIN	69.94	69.42	69.57	69.38	68.47	68.55	68.28	67.40	68.03	69.97	69.87	69.75
WTR YR	2005	MEAN	69.61	MAX	71.93	MIN	67.40					

02266495 REEDY CREEK AT S-40, NEAR LOUGHMAN, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1985 to January 1987, July 1990 to September 1993, October 1994 to current year.

WATER TEMPERATURE: January 1985 to January 1987, July 1990 to current year.

DISSOLVED OXYGEN: January 1985 to November 1986, October 1990 to current year.

INSTRUMENTATION.--Water-quality monitor.

REMARKS.--Extremes for current year and extremes for period of of daily record are based on recorded values and may have been exceeded during period of no record.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 389 $\mu\text{S}/\text{cm}$ @ 25 °C, Apr. 3, 2001; minimum daily mean, 74 $\mu\text{S}/\text{cm}$ @ 25 °C, Aug. 14, 1997.

WATER TEMPERATURE: Maximum daily mean, 29.7 °C, June 21, 2000; minimum daily mean, 6.8 °C, Dec. 27, 1985.

DISSOLVED OXYGEN: Maximum daily mean, 9.8 mg/L, Jan. 4,5, 2001; minimum daily mean, 0.0 mg/L, many days.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 200 $\mu\text{S}/\text{cm}$ @ 25 °C, May 27, 28; minimum daily mean, 111 $\mu\text{S}/\text{cm}$ @ 25 °C, Oct. 1, Jan. 15.

WATER TEMPERATURE: Maximum daily mean, 28.4 °C, July 23, 28, Aug 19, 20; minimum daily mean, 12.0 °C, Jan. 25.

DISSOLVED OXYGEN: Maximum daily mean, 4.6 mg/L, Feb. 14; minimum daily mean 0.0 mg/L, many days.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	130	133	141	119	136	139	159	192	144	140	138
2	114	131	132	142	121	132	138	154	182	142	143	138
3	116	132	129	143	124	134	137	154	180	144	144	140
4	116	132	123	144	124	134	138	154	163	144	146	138
5	116	132	124	144	121	144	140	152	159	143	144	129
6	117	132	125	139	126	144	142	149	160	143	143	133
7	116	134	126	135	130	149	140	148	164	143	144	133
8	116	136	127	131	128	153	136	151	162	143	141	134
9	117	138	128	127	126	147	133	154	159	141	136	137
10	118	137	131	123	124	145	133	156	150	133	135	136
11	119	137	133	120	122	150	132	161	156	135	137	138
12	118	135	133	118	125	151	135	157	162	136	139	139
13	119	134	134	123	130	152	139	153	146	136	140	141
14	120	132	134	119	136	159	133	155	141	135	142	142
15	121	132	134	111	140	158	135	160	133	137	142	143
16	123	133	134	116	142	155	139	164	151	137	142	144
17	126	135	135	118	146	146	143	168	147	137	143	146
18	127	131	136	123	146	122	148	172	147	137	144	146
19	128	131	137	125	146	122	151	177	151	138	146	147
20	127	131	137	127	152	124	154	181	150	139	148	147
21	126	132	138	128	153	126	156	187	150	140	150	149
22	126	131	139	128	157	123	158	192	147	141	151	147
23	124	131	139	128	158	125	159	191	141	142	153	143
24	124	131	141	127	157	120	161	191	141	142	156	144
25	127	130	139	128	157	122	164	192	133	143	158	146
26	128	130	135	126	157	125	166	198	136	144	159	148
27	127	131	135	126	158	124	162	200	145	146	156	150
28	128	134	135	124	145	126	152	200	149	147	154	150
29	129	134	137	123	---	134	153	198	143	147	154	150
30	130	133	138	124	---	135	157	198	142	146	153	154
31	131	---	139	120	---	136	---	198	---	145	148	---
MEAN	122	133	134	127	138	137	146	172	153	141	146	142
MAX	131	138	141	144	158	159	166	200	192	147	159	154
MIN	111	130	123	111	119	120	132	148	133	133	135	129

WTR YR 2005 MEAN 141 MAX 200 MIN 111

02266495 REEDY CREEK AT S-40, NEAR LOUGHMAN, FL—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.4	23.8	19.4	15.1	15.3	18.1	21.6	21.2	24.6	26.1	26.8	27.2
2	26.6	24.1	20.0	15.7	15.3	16.3	22.3	21.7	23.6	26.4	26.9	27.0
3	26.8	24.1	19.0	16.1	15.8	14.7	20.4	21.8	23.5	26.8	27.2	26.8
4	26.7	24.3	17.5	16.4	16.2	13.8	19.0	21.8	23.4	27.1	27.6	26.7
5	26.7	23.8	16.6	17.0	14.5	14.3	18.9	21.5	23.6	27.5	27.3	26.3
6	26.5	22.2	17.1	17.6	14.4	15.1	19.5	21.1	24.1	27.8	27.0	26.2
7	26.1	21.3	18.3	18.3	15.2	16.1	20.3	20.2	25.0	28.1	26.8	26.3
8	25.6	20.4	19.2	19.0	16.2	17.3	20.6	20.1	25.4	28.2	26.5	26.3
9	25.5	20.0	20.0	19.2	16.9	16.6	20.3	20.6	25.7	27.9	26.4	26.1
10	25.5	20.1	20.6	18.9	17.4	14.5	20.3	21.0	25.1	27.0	26.7	26.1
11	25.2	20.6	19.7	18.7	15.6	14.3	20.0	21.5	25.0	27.1	27.2	26.2
12	24.9	20.9	17.2	18.7	13.6	15.1	20.1	21.4	25.6	27.1	27.4	26.1
13	25.1	21.4	16.0	19.2	13.3	15.5	20.8	21.5	26.3	27.5	27.2	26.2
14	24.7	21.8	15.8	19.8	14.0	16.9	20.2	21.6	26.4	27.4	27.4	25.9
15	24.0	21.3	13.8	18.5	15.8	18.3	19.2	22.0	26.9	27.4	27.2	25.8
16	22.7	20.8	13.4	17.0	17.3	19.2	18.3	22.6	27.0	27.6	27.6	25.7
17	22.4	20.0	14.2	14.9	18.2	19.8	17.6	23.3	26.8	27.9	28.0	25.9
18	22.6	19.5	15.1	13.3	18.2	18.4	17.5	23.8	26.7	28.0	28.3	26.0
19	23.3	19.4	15.0	12.7	16.4	16.4	17.9	23.8	26.6	27.9	28.4	26.3
20	24.0	19.6	13.6	12.8	15.9	16.0	18.5	23.7	26.3	27.9	28.4	26.4
21	24.6	19.8	12.5	13.4	16.7	17.0	19.0	23.7	25.9	28.2	28.0	26.3
22	24.5	20.1	13.4	14.3	18.2	18.1	19.4	24.1	25.5	28.3	27.8	26.1
23	24.2	20.4	14.4	15.0	19.7	19.9	19.6	24.3	24.9	28.4	27.9	25.8
24	23.5	20.8	15.1	12.9	20.5	19.9	19.4	24.3	24.6	28.3	27.9	25.9
25	23.4	21.5	14.4	12.0	20.2	20.3	18.5	24.8	24.5	28.2	27.8	26.1
26	23.2	19.9	14.0	12.3	19.4	21.2	17.8	24.8	25.1	28.1	27.8	26.1
27	23.1	18.6	12.6	13.5	19.1	21.6	18.4	24.3	25.8	28.2	27.7	26.0
28	23.0	19.1	12.6	14.5	19.1	22.2	19.1	24.2	26.0	28.4	27.7	25.6
29	23.2	18.8	13.3	14.8	---	21.1	19.5	24.6	26.3	28.2	27.8	25.2
30	23.4	18.8	13.8	15.8	---	20.2	20.2	25.0	26.1	27.7	27.9	25.5
31	23.6	---	14.4	16.0	---	20.4	---	25.0	---	27.2	27.6	---
MEAN	24.5	20.9	15.9	15.9	16.7	17.7	19.5	22.8	25.4	27.7	27.5	26.1
MAX	26.8	24.3	20.6	19.8	20.5	22.2	22.3	25.0	27.0	28.4	28.4	27.2
MIN	22.4	18.6	12.5	12.0	13.3	13.8	17.5	20.1	23.4	26.1	26.4	25.2
WTR YR	2005	MEAN 21.7	MAX 28.4	MIN 12.0								

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.4	0.3	---	2.3	2.7	1.9	0.8	2.3	1.8	0.8	0.0	0.2
2	0.4	0.3	---	2.2	2.6	2.4	0.9	1.6	1.9	0.5	0.1	0.0
3	0.4	0.3	---	2.2	2.1	2.7	1.4	1.8	1.6	0.1	0.2	0.1
4	0.4	0.3	1.0	2.1	2.8	3.0	1.5	1.6	1.2	0.0	0.3	0.3
5	0.5	0.3	0.9	1.7	2.8	3.3	1.5	1.3	1.0	0.0	0.3	0.6
6	0.5	0.3	0.9	1.3	3.1	3.1	1.4	1.3	0.7	0.0	0.2	0.3
7	0.7	0.3	0.6	1.1	3.3	2.9	1.3	1.6	0.5	0.0	0.2	0.0
8	0.4	0.3	0.6	1.0	2.9	2.7	1.1	1.6	0.4	0.0	0.7	0.0
9	0.2	0.3	0.6	1.1	2.6	2.8	1.2	1.6	0.4	0.0	0.9	0.0
10	0.2	0.3	0.6	1.1	2.7	3.4	1.2	1.6	0.2	0.0	0.4	0.4
11	0.2	0.4	0.7	1.1	2.9	3.9	1.4	1.5	0.2	0.0	0.3	0.7
12	0.2	0.3	0.9	1.1	3.4	3.9	1.3	1.5	0.8	0.0	0.4	1.1
13	0.3	0.3	0.8	1.1	4.1	3.6	0.9	1.4	0.5	0.0	0.3	1.5
14	0.3	0.3	1.0	2.6	4.6	3.4	1.3	1.3	0.0	0.0	0.3	1.4
15	0.3	0.3	1.7	1.7	4.0	2.3	1.4	1.3	0.3	0.0	0.6	1.6
16	0.3	0.3	1.7	1.8	2.9	1.7	1.8	1.1	0.7	0.0	0.5	1.2
17	0.3	0.3	1.3	2.6	2.1	1.8	2.2	1.0	0.4	0.0	0.0	1.4
18	0.3	---	1.2	3.4	2.2	1.7	2.4	0.9	0.1	0.0	0.0	1.4
19	0.4	---	1.5	3.8	2.6	1.8	2.5	0.9	0.0	0.0	0.0	1.0
20	0.4	---	1.9	3.9	3.1	2.0	2.5	0.9	0.0	0.0	0.1	0.0
21	0.1	---	1.9	3.8	3.1	1.8	2.5	0.8	0.0	0.2	0.3	0.0
22	0.1	---	1.5	3.4	2.7	1.2	2.4	0.6	0.4	0.1	0.5	0.0
23	0.1	---	1.1	3.1	2.1	1.0	2.5	0.5	0.6	0.0	0.5	0.1
24	0.1	---	0.8	3.6	2.0	1.0	2.7	0.5	0.4	0.0	0.3	1.6
25	0.1	---	1.9	3.8	1.9	0.8	3.5	0.4	0.3	0.0	0.4	---
26	0.2	---	2.2	4.0	2.0	0.6	3.9	0.8	0.2	0.3	0.1	---
27	0.2	---	2.5	3.4	2.4	0.6	3.7	0.9	0.1	0.2	0.0	2.2
28	0.2	---	2.6	2.9	2.0	0.5	3.2	0.8	0.2	0.2	0.0	1.5
29	0.3	---	2.6	1.9	---	1.1	3.0	0.9	0.4	0.4	0.0	1.8
30	0.3	---	2.5	2.3	---	1.3	2.9	0.9	0.8	0.2	0.4	---
31	0.4	---	2.4	2.6	---	1.2	---	1.1	---	0.5	0.4	---
MEAN	0.3	---	---	2.4	2.8	2.1	2.0	1.2	0.5	0.1	0.3	---
MAX	0.7	---	---	4.0	4.6	3.9	3.9	2.3	1.9	0.8	0.9	---
MIN	0.1	---	---	1.0	1.9	0.5	0.8	0.4	0.0	0.0	0.0	---

02266496 REEDY CREEK BELOW S-40, NEAR LOUGHMAN, FL

LOCATION.--Lat 28° 16'32", long 81° 32'38", in SE 1/4 sec.30, T.25 S., R.28 E., Osceola County, Hydrologic Unit 03090101, on left bank 30 ft downstream from spillway, 2.8 mi northeast of Loughman, and 22 mi upstream from mouth.

DRAINAGE AREA.--174 mi².

PERIOD OF RECORD.--October 1986 to September 1989 (gage heights only), October 1989 to September 1994, October 1996 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (Reedy Creek Improvement District bench mark).

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Maximum stage, 70.55 ft occurred on Oct. 1, stage falling, peak occurred on Sept. 28, 2004. Flow regulated by Structure 40.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,350	178	e42	97	e17	6.0	16	5.5	5.4	204	181	213
2	1,010	170	e43	95	e15	5.9	17	5.4	6.2	235	181	226
3	749	161	e43	e93	e14	5.8	17	5.3	6.5	245	187	256
4	612	155	e43	e91	e13	6.0	17	5.5	6.8	248	187	280
5	595	150	e43	e88	e12	5.9	16	5.6	6.8	251	194	339
6	597	142	e43	e82	e11	5.8	15	5.6	6.4	233	205	420
7	544	134	e41	e72	e10	5.7	14	5.6	6.0	220	210	433
8	512	127	e41	e61	e10	5.6	13	5.4	5.7	200	247	427
9	466	120	e41	e51	e9.2	5.8	11	5.2	5.8	197	285	405
10	441	117	e43	e42	e7.7	6.0	9.7	5.1	5.8	248	298	363
11	423	111	e49	e34	e7.7	5.9	8.7	5.1	6.1	267	292	328
12	426	105	e56	e29	e7.0	5.8	8.1	5.4	7.3	308	283	290
13	403	99	e61	e25	e7.0	5.7	8.0	5.3	8.1	342	281	267
14	391	94	e66	e35	e7.0	5.7	7.5	5.1	7.8	397	263	243
15	377	90	e70	e46	e6.3	5.8	7.1	5.0	17	413	241	218
16	362	86	e76	e51	e6.3	6.1	6.8	4.9	39	404	221	198
17	354	e82	81	e56	6.6	7.9	6.4	4.7	48	377	202	177
18	336	e71	81	e59	6.4	9.9	6.1	4.6	52	353	184	163
19	323	e57	80	e61	6.1	9.5	5.8	4.4	51	331	169	147
20	315	e49	80	e60	5.7	9.0	5.6	4.2	52	309	154	138
21	306	e44	79	e58	5.6	8.8	5.3	4.1	50	288	144	130
22	288	e40	78	e55	5.4	8.6	5.0	3.9	55	268	136	133
23	275	e37	77	e52	5.3	9.0	4.8	3.9	72	240	130	144
24	264	e35	77	e47	5.3	8.7	4.6	3.7	83	225	130	139
25	250	e35	84	e42	5.0	8.4	4.5	3.7	87	211	140	131
26	238	e34	99	e38	4.9	8.6	4.6	3.6	87	193	145	125
27	225	e33	101	e34	5.9	8.7	6.0	3.6	98	178	151	115
28	214	e34	102	e30	6.3	9.3	5.6	3.6	119	163	162	114
29	204	e37	103	e26	---	14	5.4	3.5	127	156	162	111
30	193	e40	102	e23	---	16	5.2	3.4	162	159	161	102
31	185	---	99	e19	---	16	---	4.1	---	166	178	---
TOTAL	13,228	2,667	2,124	1,652	228.7	245.9	266.8	144.0	1,289.7	8,029	6,104	6,775
MEAN	427	88.9	68.5	53.3	8.17	7.93	8.89	4.65	43.0	259	197	226
MAX	1,350	178	103	97	17	16	17	5.6	162	413	298	433
MIN	185	33	41	19	4.9	5.6	4.5	3.4	5.4	156	130	102
CFSM	2.45	0.51	0.39	0.31	0.05	0.05	0.05	0.03	0.25	1.49	1.13	1.30
IN.	2.83	0.57	0.45	0.35	0.05	0.05	0.06	0.03	0.28	1.72	1.30	1.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2005, BY WATER YEAR (WY)

MEAN	76.4	28.2	78.0	68.8	43.5	52.0	19.1	9.22	25.7	83.3	149	166
MAX	427	91.7	501	433	390	452	109	36.0	124	260	750	788
(WY)	(2005)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1993)	(1991)	(1991)	(2003)	(2004)
MIN	1.70	1.10	1.35	1.17	0.79	1.34	1.09	0.87	1.49	2.11	2.01	2.10
(WY)	(2001)	(1990)	(1994)	(2001)	(2001)	(2001)	(2002)	(1994)	(2000)	(2001)	(2000)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1990 - 2005

ANNUAL TOTAL	55,394.8	42,754.1	
ANNUAL MEAN	151	117	66.8
HIGHEST ANNUAL MEAN			192
LOWEST ANNUAL MEAN			9.64
HIGHEST DAILY MEAN	1,870	Sep 28	1,350
LOWEST DAILY MEAN	1.5	May 30-Jun 3	3.4
ANNUAL SEVEN-DAY MINIMUM	1.5	May 28	3.6
MAXIMUM PEAK STAGE			69.12
ANNUAL RUNOFF (CFSM)	0.870		Sep 7
ANNUAL RUNOFF (INCHES)	11.84		0.673
10 PERCENT EXCEEDS	448		9.14
50 PERCENT EXCEEDS	36		173
90 PERCENT EXCEEDS	2.7		8.0
			1.3

e Estimated

02266500 REEDY CREEK NEAR LOUGHMAN, FL

LOCATION.--Lat 28° 15'48", long 81° 32'12", in SW 1/4 sec.32, T.25 S., R.28 E., Osceola County, Hydrologic Unit 03090101, on left bank 100 ft upstream from bridge on U.S. Highways 17 and 92, 1.0 mi downstream from Reedy Creek Improvement District Structure 40, 2.5 mi northeast of Loughman, 3 mi downstream from Davenport Creek, and 21 mi upstream from mouth.

DRAINAGE AREA.--177 mi², approximately, includes an indeterminate portion of the Reedy Creek Swamp watershed.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to September 1959, July 1968 to current year.

REVISED RECORDS.--WDR FL-96-1A: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 64.49 ft above NGVD of 1929. Prior to Aug. 20, 1940, nonrecording gage at same site and datum.

REMARKS.--Records poor. A maximum discharge, 1,460 ft³/s and stage, 4.89 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 29, 2004. Natural flow of stream affected by several canals, levees, and control structures which divert an undetermined amount of water into Reedy Creek above station or into the Shingle Creek basin. Since May 1970, flow regulated by Reedy Creek Improvement District Structure 40.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,350	216	40	136	18	8.4	20	11	12	305	242	251
2	1,120	203	41	133	16	8.1	21	11	15	341	239	269
3	936	193	41	129	15	7.8	21	10	16	350	246	293
4	805	184	41	125	14	8.2	21	11	17	350	240	301
5	769	175	41	121	13	8.1	20	11	17	347	247	354
6	747	166	41	110	12	7.9	20	11	16	327	258	420
7	712	158	40	93	12	7.8	19	10	15	308	260	457
8	675	150	39	77	11	7.7	19	9.9	14	283	294	456
9	634	143	39	62	10	8.0	17	9.6	15	271	329	437
10	596	138	42	49	9.8	8.4	16	9.3	16	326	338	408
11	579	132	50	39	9.2	8.3	15	9.5	17	337	337	373
12	571	126	60	32	8.9	8.1	14	10	20	372	329	344
13	547	119	67	27	8.5	7.9	14	9.7	23	398	324	317
14	522	112	75	40	8.2	8.0	13	9.4	21	448	309	292
15	504	106	81	54	7.9	8.3	12	9.2	22	461	291	267
16	484	100	86	61	7.8	8.8	12	9.0	44	455	271	245
17	462	93	89	68	7.6	13	11	8.8	72	437	252	224
18	444	68	93	73	7.5	17	11	8.6	90	415	233	205
19	424	51	94	76	7.4	16	10	8.4	95	396	214	188
20	404	42	95	75	7.2	14	9.9	8.2	100	379	197	176
21	382	37	96	72	7.1	14	9.5	7.9	96	358	184	168
22	365	34	96	67	7.0	13	9.2	7.7	104	337	175	175
23	348	31	96	61	6.9	14	9.0	7.5	136	311	165	185
24	327	29	96	55	7.1	14	8.8	7.4	141	292	164	175
25	312	30	107	49	6.9	13	8.5	7.2	147	277	168	167
26	298	28	125	43	6.8	13	9.0	7.1	150	255	172	157
27	282	28	130	38	8.1	13	12	7.2	153	237	181	149
28	268	30	133	33	8.7	13	11	7.4	183	219	192	152
29	255	34	136	29	---	14	10	7.1	198	206	193	148
30	240	38	136	25	---	16	9.9	6.9	241	208	194	137
31	227	---	136	21	---	18	---	8.4	---	217	209	---
TOTAL	16,589	2,994	2,482	2,073	269.6	344.8	412.8	276.4	2,206	10,223	7,447	7,890
MEAN	535	99.8	80.1	66.9	9.63	11.1	13.8	8.92	73.5	330	240	263
MAX	1,350	216	136	136	18	18	21	11	241	461	338	457
MIN	227	28	39	21	6.8	7.7	8.5	6.9	12	206	164	137

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	101	50.1	60.1	64.1	53.6	59.8	45.8	17.5	31.0	84.9	120	141
MAX	535	217	497	492	424	451	261	107	143	330	840	853
(WY)	(2005)	(1988)	(1998)	(1998)	(1998)	(1998)	(1987)	(1979)	(1942)	(2005)	(2003)	(2004)
MIN	1.12	0.04	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	1.90
(WY)	(2001)	(1974)	(1974)	(1974)	(1974)	(2002)	(1972)	(1972)	(1981)	(1989)	(1989)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1940 - 2005

ANNUAL TOTAL	61,807.5		53,207.6		69.3	
ANNUAL MEAN	169		146		217	
HIGHEST ANNUAL MEAN					2003	
LOWEST ANNUAL MEAN					10.6	
HIGHEST DAILY MEAN	1,830	Sep 29	1,350	Oct 1	2,100	Aug 25, 2003
LOWEST DAILY MEAN	2.6	May 31-Jun 3	6.8	Feb 26	0.00	Many days
ANNUAL SEVEN-DAY MINIMUM	2.6	May 28	7.0	Feb 20	0.00	Many days
MAXIMUM PEAK FLOW			463	Jul 15, Sep 7	2,140	Aug 25, 2003
MAXIMUM PEAK STAGE			3.44	Jul 15, Sep 7	4.94	Sep 29, 2004
10 PERCENT EXCEEDS	536		368		176	
50 PERCENT EXCEEDS	34		72		33	
90 PERCENT EXCEEDS	4.1		8.3		1.5	

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1965, 1968-94, 1996 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, ftrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, ftrd, mg/L (00915)	Magnesium, water, ftrd, mg/L (00925)	Potassium, water, ftrd, mg/L (00935)	Sodium, water, ftrd, mg/L (00930)
JUL 13...	1230	3.31	387	250	.3	6.1	135	27.9	43	12.7	2.78	3.34	10.7
Date	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, ftrd, mg/L (00940)	Fluoride, water, ftrd, mg/L (00950)	Sulfate, water, ftrd, mg/L (00945)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, ftrd, mg/L as N (00608)	Nitrite + nitrate, water, ftrd, mg/L as N (00631)	Nitrite, water, ftrd, mg/L as N (00613)	Orthophosphate, water, ftrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recoverable, ug/L (01105)	Arsenic, water, unfltrd ug/L (01002)
JUL 13...	25	18.7	E.1	4.1	1.3	.04	<.06	E.004	.07	.13	34.2	157	<2
Date	Beryllium, water, unfltrd recoverable, ug/L (01012)	Cadmium, water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury, water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)	Selenium, water, unfltrd ug/L (01147)	Zinc, water, unfltrd recoverable, ug/L (01092)		
JUL 13...	<.06	E.02	E.4	E.4	430	.76	9	E.01	.73	E.3	4		

02266550 REEDY CREEK AT STATE HIGHWAY 531 NEAR POINSIANNA, FL

WATER-QUALITY RECORDS

LOCATION.--Lat 28° 08' 59", long 81° 26' 28", in SE $\frac{1}{4}$ sec. 7, T. 27 S., R. 29 E., Osceola County, Hydrologic Unit 03090101, at bridge on State Highway 531, 1.6 mi upstream from Lake Russell, and about 9 mi southeast of Poinsianna.

DRAINAGE AREA.--170 mi², approximately.

PERIOD OF RECORD.--October 1978 to current year (discharge measurements only).

GAGE.--Non-recording gage. Datum of gage is at NGVD of 1929 (Osceola County Highway Department bench mark).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 1,080 ft³/s, Aug. 27, 2004; no flow observed during most years.

DISCHARGE MEASUREMENTS, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)
OCT				JUN			
22...	0756	60.30	553	02...	1311	57.87	10
DEC				AUG			
16...	0901	58.18	32	15...	0917	59.59	411
FEB				SEP			
10...	0925	58.72	83	14...	0803	59.78	379
APR							
11...	0821	58.66	90				

02267000 CATFISH CREEK NEAR LAKE WALES, FL

LOCATION.--Lat 27° 57'40", long 81° 29'48", in sec.14, T.29 S., R.28 E., Polk County, Hydrologic Unit 03090101, on left bank, 0.2 mi downstream from Lake Pierce, 7 mi northeast of Lake Wales, and 9.3 mi upstream from mouth.

DRAINAGE AREA.--58.9 mi².

PERIOD OF RECORD.--October 1947 to current year.

GAGE.--Water-stage recorder. Datum of gage is 72.70 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records fair except for period of estimated daily discharge, which is poor. A maximum stage, 6.09 ft occurred on Oct. 1, stage falling, peak occurred on Sept. 29, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	83	63	57	e56	49	57	48	48	129	100	101
2	139	83	63	57	e56	47	59	49	54	130	104	101
3	137	82	62	56	e56	46	57	49	58	130	107	99
4	135	80	61	56	e55	47	55	52	65	130	106	97
5	132	80	60	56	e54	47	54	54	74	128	110	94
6	129	77	59	55	e54	46	53	58	79	124	109	93
7	126	75	59	55	e53	46	51	57	82	121	112	92
8	123	74	59	54	e52	46	52	56	91	118	113	92
9	120	73	58	54	e50	45	50	55	95	116	112	89
10	118	72	59	53	49	46	49	53	99	123	111	87
11	117	71	60	53	46	46	48	53	103	127	109	85
12	116	70	57	52	44	45	48	54	106	133	109	84
13	115	70	56	50	43	45	50	52	110	131	110	83
14	112	69	56	56	43	45	49	51	110	128	109	81
15	110	68	54	e65	42	45	48	50	109	126	110	79
16	106	67	52	e65	42	47	48	48	111	123	108	77
17	104	66	52	e64	42	55	47	47	116	120	107	75
18	102	65	52	e63	41	60	46	46	114	118	105	73
19	101	64	52	e62	40	60	46	45	112	117	103	71
20	102	63	50	e61	39	59	46	44	112	116	101	70
21	102	63	49	e61	38	60	46	43	113	114	100	70
22	100	62	48	e60	38	62	47	42	115	111	102	70
23	98	61	48	e59	38	62	51	42	125	110	101	70
24	96	61	48	e59	38	62	54	41	125	108	98	69
25	95	66	53	e58	38	62	49	42	124	109	97	67
26	93	65	60	e58	38	63	46	44	122	106	96	66
27	91	63	58	e57	44	62	52	44	121	104	101	66
28	90	64	58	e57	50	63	50	44	122	101	102	69
29	88	64	57	e57	---	60	48	43	123	99	102	77
30	87	63	57	e57	---	59	47	42	127	97	101	75
31	85	---	57	e57	---	57	---	44	---	99	101	---
TOTAL	3,410	2,084	1,737	1,784	1,279	1,644	1,503	1,492	3,065	3,646	3,256	2,422
MEAN	110	69.5	56.0	57.5	45.7	53.0	50.1	48.1	102	118	105	80.7
MAX	141	83	63	65	56	63	59	58	127	133	113	101
MIN	85	61	48	50	38	45	46	41	48	97	96	66
CFSM	1.87	1.18	0.95	0.98	0.78	0.90	0.85	0.82	1.73	2.00	1.78	1.37
IN.	2.15	1.32	1.10	1.13	0.81	1.04	0.95	0.94	1.94	2.30	2.06	1.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2005, BY WATER YEAR (WY)

MEAN	56.8	44.8	40.2	40.6	39.6	38.9	33.1	24.1	28.1	40.2	47.7	57.0
MAX	190	119	129	102	100	113	120	79.0	102	118	142	199
(WY)	(1961)	(1954)	(1954)	(1954)	(1998)	(1998)	(1960)	(1960)	(2005)	(2005)	(1960)	(1960)
MIN	10.4	7.17	11.6	10.1	8.24	5.53	5.27	1.22	0.48	1.98	9.56	7.94
(WY)	(1990)	(1990)	(1990)	(2001)	(2001)	(2001)	(2000)	(1981)	(2000)	(2000)	(2000)	(1989)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1948 - 2005

ANNUAL TOTAL	16,405.7	27,322	
ANNUAL MEAN	44.8	74.9	40.9
HIGHEST ANNUAL MEAN			104
LOWEST ANNUAL MEAN			9.47
HIGHEST DAILY MEAN	145	Sep 29	235
LOWEST DAILY MEAN	7.3	Jun 3	0.00
ANNUAL SEVEN-DAY MINIMUM	7.9	May 31	0.00
MAXIMUM PEAK STAGE			6.12
ANNUAL RUNOFF (CFSM)	0.761		0.695
ANNUAL RUNOFF (INCHES)	10.36		9.44
10 PERCENT EXCEEDS	92		72
50 PERCENT EXCEEDS	32		36
90 PERCENT EXCEEDS	17		13

e Estimated

02269148 KISSIMMEE RIVER NEAR LORIDA, FL

LOCATION.--Lat 27° 31'18", long 81° 12'40" in NE $\frac{1}{4}$ sec.15, T.34 S., R.31 E., Highlands County, Hydrologic Unit 03090101, on right bank of natural river channel, 6.0 mi northeast of Lorida, and 34 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1993 to current year (gage heights only).

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (U.S. Army Corps of Engineers bench mark).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 45.39 ft, Sept. 3, 2003; minimum, 34.03 ft, May 22, 2001.

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	39.44	38.97	39.61	42.09	39.88	40.44	44.57	41.59	42.41
2	---	---	40.16	39.40	38.97	39.59	42.09	39.90	41.51	44.59	41.57	42.44
3	---	---	40.13	39.36	38.98	39.49	42.09	39.98	41.97	44.58	41.55	42.50
4	---	---	40.07	39.32	38.99	39.48	42.08	40.27	42.39	44.54	41.49	42.46
5	---	---	40.04	39.29	39.03	39.52	42.05	40.45	42.57	44.60	41.36	42.41
6	---	---	40.01	39.27	39.07	39.49	42.00	40.85	42.58	44.82	41.34	42.37
7	---	---	39.89	39.25	39.02	39.38	41.95	41.06	42.44	44.96	41.33	42.29
8	---	---	39.80	39.23	39.00	39.24	41.87	41.08	42.18	45.01	41.39	42.22
9	---	---	39.70	39.22	38.97	39.23	41.83	40.99	41.90	45.05	41.45	42.17
10	---	---	39.61	39.18	38.93	39.47	41.82	40.87	41.63	45.07	41.41	42.12
11	---	---	39.55	39.07	38.93	39.65	41.79	40.70	41.45	44.99	41.34	42.05
12	---	---	39.51	39.00	39.00	39.85	41.77	40.56	41.41	44.91	41.29	41.95
13	---	---	39.50	38.97	38.99	39.91	41.74	40.53	41.34	44.87	41.38	41.78
14	---	---	39.38	38.97	38.94	39.96	41.71	40.49	41.31	44.82	41.43	41.63
15	---	---	39.30	39.09	38.90	40.08	41.64	40.42	41.23	44.76	41.38	41.50
16	---	---	39.24	39.10	38.81	40.15	41.60	40.33	41.27	44.71	41.33	41.28
17	---	---	39.23	39.10	38.81	40.41	41.58	40.28	41.33	44.66	41.38	41.15
18	---	---	39.24	39.08	38.87	40.93	41.56	40.19	41.49	44.50	41.39	41.03
19	---	---	39.21	39.07	38.88	41.28	41.46	40.11	41.69	44.21	41.39	40.91
20	---	---	39.18	39.11	38.83	41.49	41.33	40.06	41.98	43.98	41.37	40.74
21	---	---	39.16	39.09	38.81	41.61	41.20	40.03	42.18	43.67	41.33	40.66
22	---	---	39.17	39.07	38.76	41.77	41.08	40.00	42.31	43.09	41.30	40.57
23	---	---	39.18	39.04	38.77	41.90	40.87	39.86	42.59	42.43	41.30	40.43
24	---	---	39.19	39.02	38.78	41.99	40.67	39.49	42.98	42.06	41.32	40.30
25	---	---	39.30	39.01	38.79	42.09	40.46	39.40	43.34	42.33	41.44	40.17
26	---	---	39.63	39.02	38.75	42.13	40.30	39.49	43.67	42.44	41.66	40.07
27	---	---	39.63	39.02	38.94	42.15	40.10	39.30	43.85	42.36	41.79	40.05
28	---	---	39.61	39.02	39.44	42.14	39.97	39.29	43.95	42.19	41.90	39.94
29	---	---	39.56	39.01	---	42.13	39.98	39.39	44.20	41.99	42.11	39.84
30	---	---	39.53	39.00	---	42.12	39.88	39.24	44.45	41.81	42.24	40.09
31	---	---	39.50	38.99	---	42.10	---	39.32	---	41.71	42.33	---
MEAN	---	---	---	39.12	38.93	40.66	41.35	40.12	42.25	43.88	41.51	41.32
MAX	---	---	---	39.44	39.44	42.15	42.09	41.08	44.45	45.07	42.33	42.50
MIN	---	---	---	38.97	38.75	39.23	39.88	39.24	40.44	41.71	41.29	39.84

02270500 ARBUCKLE CREEK NEAR DE SOTO CITY, FL

LOCATION.--Lat 27° 26' 32", long 81° 17' 51", in SE 1/4 sec. 11, T. 35 S., R. 30 E., Highlands County, Hydrologic Unit 03090101, on right bank 20 ft downstream from bridge on U.S. Highway 98, 1.3 mi upstream from mouth, and 7 mi east of De Soto City.

DRAINAGE AREA.--379 mi², excludes area drained by Lake Weohyakapka and includes area drained by Lake Sebring.

PERIOD OF RECORD.--June 1939 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is 35.51 ft above NGVD of 1929. June 7, 1967 to October 15, 2002 auxiliary water-stage recorder at site 1.3 mi upstream. See WDR FL-82-2 for history of changes prior to June 7, 1967.

REMARKS.--Records fair. A maximum stage, 7.07 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 27, 2004. Records include small diversions into Lake Arbuckle from Lake Weohyakapka through Blue Jordan Swamp.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,440	459	198	e212	197	236	292	159	494	1,310	684	534
2	2,160	439	188	e205	201	225	295	166	876	1,410	678	556
3	1,890	433	182	e199	204	213	275	163	962	1,330	647	605
4	1,700	427	172	e197	199	225	270	195	1,480	1,210	617	624
5	1,540	405	169	e207	184	230	268	223	1,630	1,080	604	644
6	1,400	393	169	206	187	240	263	201	1,630	1,010	601	676
7	1,230	379	165	200	189	235	260	197	1,500	926	592	663
8	1,100	365	157	194	189	228	248	196	1,310	852	639	653
9	1,010	353	157	189	190	236	233	197	1,090	842	657	647
10	917	358	145	192	188	250	226	204	969	884	623	632
11	869	359	138	191	179	251	221	210	1,020	926	600	617
12	849	357	128	194	175	251	216	198	1,100	948	593	595
13	815	351	133	197	181	244	220	194	1,260	943	621	569
14	778	342	e126	207	179	238	210	184	1,180	912	660	545
15	732	329	121	219	179	236	187	182	1,070	902	697	519
16	679	313	116	216	179	243	181	179	1,030	879	722	501
17	664	304	114	228	182	276	177	175	985	853	703	475
18	649	294	127	208	176	361	176	163	915	845	674	460
19	618	286	127	220	169	402	176	154	875	816	650	450
20	599	279	134	226	171	388	169	150	867	841	637	439
21	598	272	134	229	174	375	165	145	787	873	614	434
22	615	259	139	226	175	373	165	135	729	844	599	423
23	588	251	138	228	178	375	155	134	694	828	586	406
24	556	250	135	219	166	365	146	135	775	821	572	390
25	535	235	175	211	168	367	148	132	789	820	552	387
26	509	226	e249	214	166	358	151	125	794	778	542	389
27	490	223	e225	219	193	349	173	138	774	746	522	501
28	473	217	e225	204	239	344	176	146	775	728	524	490
29	477	212	e223	214	---	321	167	136	826	711	529	469
30	465	204	e218	207	---	304	161	134	1,050	716	525	453
31	460	---	e217	198	---	295	---	242	---	695	523	---
TOTAL	28,405	9,574	5,044	6,476	5,157	9,034	6,170	5,292	30,236	28,279	18,987	15,746
MEAN	916	319	163	209	184	291	206	171	1,008	912	612	525
MAX	2,440	459	249	229	239	402	295	242	1,630	1,410	722	676
MIN	460	204	114	189	166	213	146	125	494	695	522	387

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

	592	266	182	184	201	226	163	96.6	244	408	494	692
MEAN	592	266	182	184	201	226	163	96.6	244	408	494	692
MAX	2,748	920	1,013	988	1,702	1,659	841	566	1,272	1,491	1,547	2,787
(WY)	(1949)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1957)	(1959)	(1974)	(1960)	(1948)
MIN	56.3	38.7	32.4	27.5	11.8	6.86	9.38	3.26	11.3	32.5	70.1	92.3
(WY)	(1973)	(2001)	(2001)	(2001)	(2001)	(2001)	(1956)	(1981)	(1989)	(1977)	(1950)	(1972)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1939 - 2005

ANNUAL TOTAL	121,099	168,400	
ANNUAL MEAN	331	461	312
HIGHEST ANNUAL MEAN			772
LOWEST ANNUAL MEAN			60.5
HIGHEST DAILY MEAN	2,850	Sep 27	2,440
LOWEST DAILY MEAN	35	May 31	114
ANNUAL SEVEN-DAY MINIMUM	40	May 25	123
MAXIMUM PEAK FLOW			*7,380
MAXIMUM PEAK STAGE		6.45	Jun 5
10 PERCENT EXCEEDS	686	916	723
50 PERCENT EXCEEDS	166	304	167
90 PERCENT EXCEEDS	64	163	44

e Estimated

* From rating curve extended above 5300 ft³/s
a Nov. 23, 30, Dec. 28, 1986, May 17-19, 1996

02272630 GORE SLOUGH NEAR BASINGER, FL

LOCATION.--Lat 27° 27'52", long 81° 00'24", in SW¹/₄ sec.35, T.34 S., R.33 E., Okeechobee County, Hydrologic Unit 03090101, near left bank, 45 ft downstream from box culverts on County Road 724, 4.8 mi upstream from mouth, and 5.8 mi northeast of Basinger.

DRAINAGE AREA.--3.84 mi².

PERIOD OF RECORD.--August 2003 to September 2005 (discontinued).

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NAVD of 1988 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records fair.

EXTREMES FOR PERIOD AUGUST TO SEPTEMBER 2003.--Maximum discharge, 157 ft³/s, Aug. 24, 25, gage height, 54.04 ft; minimum, 5.8 ft³/s, Sept. 24, 25, gage height, 49.82 ft.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD AUGUST TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	20	55
2	---	---	---	---	---	---	---	---	---	---	22	48
3	---	---	---	---	---	---	---	---	---	---	31	42
4	---	---	---	---	---	---	---	---	---	---	41	54
5	---	---	---	---	---	---	---	---	---	---	45	71
6	---	---	---	---	---	---	---	---	---	---	38	84
7	---	---	---	---	---	---	---	---	---	---	38	91
8	---	---	---	---	---	---	---	---	---	---	39	76
9	---	---	---	---	---	---	---	---	---	---	38	60
10	---	---	---	---	---	---	---	---	---	---	42	47
11	---	---	---	---	---	---	---	---	---	---	40	38
12	---	---	---	---	---	---	---	---	---	---	36	32
13	---	---	---	---	---	---	---	---	---	---	31	27
14	---	---	---	---	---	---	---	---	---	---	30	23
15	---	---	---	---	---	---	---	---	---	---	37	19
16	---	---	---	---	---	---	---	---	---	---	61	16
17	---	---	---	---	---	---	---	---	---	---	62	14
18	---	---	---	---	---	---	---	---	---	---	61	12
19	---	---	---	---	---	---	---	---	---	---	95	11
20	---	---	---	---	---	---	---	---	---	---	87	10
21	---	---	---	---	---	---	---	---	---	---	116	8.7
22	---	---	---	---	---	---	---	---	---	---	141	7.4
23	---	---	---	---	---	---	---	---	---	---	135	6.5
24	---	---	---	---	---	---	---	---	---	---	150	6.0
25	---	---	---	---	---	---	---	---	---	---	153	6.4
26	---	---	---	---	---	---	---	---	---	---	133	9.6
27	---	---	---	---	---	---	---	---	---	---	100	12
28	---	---	---	---	---	---	---	---	---	---	76	22
29	---	---	---	---	---	---	---	---	---	---	66	51
30	---	---	---	---	---	---	---	---	---	---	63	103
31	---	---	---	---	---	---	---	---	---	---	61	---
TOTAL	---	---	---	---	---	---	---	---	---	---	2,088	1,062.6
MEAN	---	---	---	---	---	---	---	---	---	---	67.4	35.4
MAX	---	---	---	---	---	---	---	---	---	---	153	103
MIN	---	---	---	---	---	---	---	---	---	---	20	6.0
CFSM	---	---	---	---	---	---	---	---	---	---	17.5	9.22
IN.	---	---	---	---	---	---	---	---	---	---	20.23	10.29

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	103	1.4	0.83	6.9	18	25	0.75	0.00	0.00	0.00	0.09	23
2	85	1.3	0.78	6.4	24	20	0.61	0.00	0.00	0.00	0.15	21
3	67	1.8	0.73	6.0	22	17	0.52	0.00	0.00	0.93	0.15	19
4	54	2.0	0.71	5.4	18	14	0.45	0.00	0.00	3.1	1.4	32
5	44	2.5	0.69	5.0	16	12	0.40	0.00	0.04	0.80	5.0	177
6	37	3.4	0.65	4.7	13	9.6	0.39	0.00	0.00	12	0.44	314
7	31	3.8	0.58	4.2	11	7.8	0.39	0.00	0.00	16	1.8	364
8	26	4.3	0.52	3.7	9.5	6.5	0.38	0.00	0.00	5.8	6.2	373
9	22	5.5	0.52	3.4	8.2	5.4	0.32	0.00	0.08	2.8	6.2	325
10	18	5.9	0.65	3.2	7.3	4.6	0.25	0.00	0.33	1.4	4.8	280
11	16	6.0	0.77	2.9	6.3	4.0	0.21	0.00	1.5	0.98	18	217
12	13	5.6	0.65	2.7	5.7	3.4	1.3	0.00	9.8	1.5	11	147
13	12	5.1	0.60	2.6	5.0	2.9	1.5	0.00	8.9	0.91	11	101
14	10	4.5	1.2	2.4	4.6	2.5	1.1	0.00	11	0.38	35	70
15	8.9	4.0	1.6	2.2	5.5	2.5	0.87	0.00	5.9	0.19	44	55
16	7.6	3.3	4.0	2.1	5.4	3.7	0.70	0.00	3.4	0.18	71	47
17	6.8	2.9	39	2.0	5.0	5.8	0.52	0.00	1.9	0.34	124	44
18	5.9	2.7	48	4.2	4.6	5.5	0.40	0.00	1.1	0.25	124	41
19	5.2	2.6	43	7.0	4.0	5.1	0.27	0.00	0.61	0.18	114	36
20	4.8	2.6	38	8.7	3.4	4.1	0.23	0.00	0.50	0.18	97	35
21	4.4	2.3	30	9.0	3.0	3.3	0.19	0.00	1.8	0.18	70	61
22	3.9	2.1	25	8.4	2.9	2.7	0.16	0.00	4.1	0.08	51	95
23	3.4	2.0	22	7.2	3.0	2.4	0.10	0.00	2.7	0.00	44	92
24	2.9	1.9	19	6.2	3.1	2.2	0.06	0.00	1.8	0.00	39	73
25	2.6	1.6	16	5.4	18	2.1	0.05	0.00	1.1	0.00	39	53
26	2.5	1.4	14	5.0	39	2.0	0.02	0.00	0.51	7.9	40	285
27	2.3	1.3	12	5.4	42	1.7	0.01	0.00	0.15	24	48	534
28	2.2	1.2	11	5.6	34	1.3	0.01	0.00	0.05	14	54	637
29	2.0	1.0	9.6	5.1	29	1.1	0.00	0.00	0.04	6.0	44	513
30	1.7	0.88	8.5	5.0	---	0.98	0.00	0.00	0.01	0.40	34	370
31	1.5	---	7.6	5.8	---	0.88	---	0.00	---	0.09	27	---
TOTAL	606.6	86.88	358.18	153.8	370.5	182.06	12.16	0.00	57.32	100.57	1,165.23	5,434
MEAN	19.6	2.90	11.6	4.96	12.8	5.87	0.41	0.00	1.91	3.24	37.6	181
MAX	103	6.0	48	9.0	42	25	1.5	0.00	11	24	124	637
MIN	1.5	0.88	0.52	2.0	2.9	0.88	0.00	0.00	0.00	0.00	0.09	19
CFSM	5.10	0.75	3.01	1.29	3.33	1.53	0.11	0.00	0.50	0.84	9.79	47.2
IN.	5.88	0.84	3.47	1.49	3.59	1.76	0.12	0.00	0.56	0.97	11.29	52.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	19.6	2.90	11.6	4.96	12.8	5.87	0.41	0.00	1.91	3.24	52.5	108
MAX	19.6	2.90	11.6	4.96	12.8	5.87	0.41	0.00	1.91	3.24	67.4	181
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)
MIN	19.6	2.90	11.6	4.96	12.8	5.87	0.41	0.00	1.91	3.24	37.6	35.4
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 2003 - 2004

ANNUAL TOTAL	8,527.30	
ANNUAL MEAN	23.3	23.3
HIGHEST ANNUAL MEAN		23.3
LOWEST ANNUAL MEAN		23.3
HIGHEST DAILY MEAN	637	Sep 28
LOWEST DAILY MEAN	0.00	Many days
ANNUAL SEVEN-DAY MINIMUM	0.00	Apr 29
MAXIMUM PEAK FLOW	659	Sep 28
MAXIMUM PEAK STAGE	56.23	Sep 28
ANNUAL RUNOFF (CFSM)	6.07	6.07
ANNUAL RUNOFF (INCHES)	82.61	82.44
10 PERCENT EXCEEDS	45	45
50 PERCENT EXCEEDS	3.3	3.3
90 PERCENT EXCEEDS	0.00	0.00

02272630 GORE SLOUGH NEAR BASINGER, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	400	7.0	0.95	3.8	0.55	2.1	1.3	0.39	137	147	10	9.4
2	307	6.5	0.86	3.0	0.50	1.5	0.76	0.43	312	136	8.4	8.6
3	258	4.3	0.73	2.8	0.51	1.4	0.89	0.84	329	115	7.7	48
4	198	1.1	0.58	2.6	0.50	3.3	0.74	7.3	408	113	8.0	73
5	129	3.0	0.48	2.5	0.40	3.3	0.58	6.3	298	99	17	66
6	86	4.0	0.40	2.2	0.35	2.7	0.46	11	201	78	12	52
7	53	3.9	0.41	2.0	0.32	1.8	0.42	14	192	62	10	43
8	40	3.5	0.39	1.8	0.30	1.4	0.49	13	163	50	13	36
9	36	3.1	0.25	1.5	0.27	2.7	0.44	11	120	49	13	31
10	31	3.5	0.25	1.3	0.26	7.0	0.38	8.8	88	67	11	26
11	e25	3.2	0.27	1.0	0.22	6.6	0.36	6.6	68	75	8.3	22
12	e24	3.0	0.24	0.89	0.18	5.7	0.31	5.5	67	65	6.4	18
13	e23	2.6	0.22	0.75	0.16	4.4	0.27	3.8	71	55	6.4	15
14	22	2.7	0.21	1.6	0.15	3.7	0.24	2.3	62	46	9.3	12
15	21	2.7	0.19	3.2	0.14	2.9	0.21	4.1	55	40	30	8.8
16	19	2.1	0.19	3.2	0.14	2.3	0.21	9.7	53	34	41	6.7
17	17	1.9	0.20	2.8	0.14	8.5	0.21	8.5	78	31	38	5.2
18	16	1.7	0.28	2.3	0.12	17	0.22	6.1	68	27	34	4.0
19	13	1.6	0.28	1.9	0.13	18	0.21	3.6	59	24	29	3.4
20	14	1.4	0.27	1.5	0.15	17	0.21	2.1	103	22	24	3.2
21	17	1.3	0.24	1.2	0.16	15	0.20	1.1	114	20	19	3.4
22	17	1.3	0.22	1.1	0.16	12	0.20	0.53	102	19	16	3.2
23	16	1.2	0.21	1.1	0.16	11	0.18	0.33	86	19	14	3.2
24	15	0.98	0.23	0.90	0.16	9.1	0.17	0.20	96	18	11	2.8
25	13	2.3	0.52	0.82	0.17	7.5	0.16	0.97	91	24	9.6	2.0
26	12	7.2	1.2	0.77	0.16	8.8	0.16	5.7	82	22	11	1.9
27	11	3.5	0.92	0.73	0.85	7.0	0.63	6.7	71	e20	18	5.0
28	9.6	1.9	1.1	0.71	2.2	5.9	0.58	11	75	e17	22	5.6
29	8.9	1.4	2.2	0.73	---	4.2	0.47	10	102	e15	21	15
30	8.5	1.1	3.2	0.71	---	2.8	0.39	7.6	115	e13	17	18
31	7.9	---	3.8	0.64	---	2.1	---	16	---	e10	13	---
TOTAL	1,867.9	84.98	21.49	52.05	9.51	198.7	12.05	185.49	3,866	1,532	508.1	551.4
MEAN	60.3	2.83	0.69	1.68	0.34	6.41	0.40	5.98	129	49.4	16.4	18.4
MAX	400	7.2	3.8	3.8	2.2	18	1.3	16	408	147	41	73
MIN	7.9	0.98	0.19	0.64	0.12	1.4	0.16	0.20	53	10	6.4	1.9
CFSM	15.7	0.74	0.18	0.44	0.09	1.67	0.10	1.56	33.6	12.9	4.27	4.79
IN.	18.10	0.82	0.21	0.50	0.09	1.92	0.12	1.80	37.45	14.84	4.92	5.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	39.9	2.86	6.12	3.32	6.67	6.14	0.40	2.99	65.4	26.3	40.4	78.3
MAX	60.3	2.90	11.6	4.96	12.8	6.41	0.41	5.98	129	49.4	67.4	181
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)	(2005)	(2003)	(2004)
MIN	19.6	2.83	0.69	1.68	0.34	5.87	0.40	0.00	1.91	3.24	16.4	18.4
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2004)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	9,450.01		8,889.67		23.8	
ANNUAL MEAN	25.8		24.4		24.4	
HIGHEST ANNUAL MEAN					2005	
LOWEST ANNUAL MEAN					2004	
HIGHEST DAILY MEAN	637	Sep 28	408	Jun 4	637	Sep 28, 2004
LOWEST DAILY MEAN	0.00	Many days	0.12	Feb 18	0.00	Some years
ANNUAL SEVEN-DAY MINIMUM	0.00	Apr 29	0.14	Feb 14	0.00	Some years
MAXIMUM PEAK FLOW			437	Jun 4	659	Sep 28, 2004
MAXIMUM PEAK STAGE			55.56	Jun 4	56.23	Sep 28, 2004
ANNUAL RUNOFF (CFSM)	6.72		6.34		6.20	
ANNUAL RUNOFF (INCHES)	91.55		86.12		84.30	
10 PERCENT EXCEEDS	49		71		61	
50 PERCENT EXCEEDS	3.0		4.2		3.7	
90 PERCENT EXCEEDS	0.00		0.23		0.16	

e Estimated

02272650 FISH SLOUGH NEAR BASINGER, FL

LOCATION.--Lat 27° 27'54", long 80° 55'20", in NW 1/4 sec.3, T.35 S., R.34 E., Okeechobee County, Hydrologic Unit 03090101, on downstream side of bridge on County Road 724, 0.95 mi upstream from mouth at Cypress Slough bridge, 8.6 mi northeast of Basinger.

DRAINAGE AREA.--38.3 mi².

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NAVD of 1988 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e120	5.2	4.2	9.7	23	18	4.3	1.7	0.44	4.8	1.1	36
2	134	5.0	3.9	8.8	44	31	3.0	1.3	1.0	3.9	1.8	e45
3	e70	5.1	3.9	8.4	40	15	2.3	1.5	1.1	3.0	1.9	e102
4	e56	5.3	3.7	7.8	34	13	3.0	2.0	1.4	3.2	3.8	e218
5	e42	31	3.6	7.0	22	12	2.9	1.6	2.4	2.6	5.7	e383
6	e36	46	3.6	6.5	13	11	3.0	1.5	2.3	3.0	6.8	e400
7	e29	41	3.5	5.6	11	9.4	3.0	0.99	2.1	6.1	6.9	531
8	22	23	3.1	4.6	9.3	9.1	3.3	1.2	1.6	6.4	8.9	464
9	15	26	2.8	4.1	6.9	7.0	3.1	0.92	4.4	5.3	8.9	364
10	14	25	3.4	4.2	5.4	6.7	2.3	1.2	5.2	4.7	7.8	346
11	15	22	3.1	4.1	4.5	5.7	3.1	1.4	7.7	4.2	6.1	320
12	14	22	3.0	2.7	3.6	4.9	3.2	1.1	53	4.5	5.8	296
13	19	22	2.7	2.4	4.0	4.9	3.1	1.2	55	3.7	12	254
14	16	12	5.0	2.2	3.1	4.8	2.4	1.3	24	2.7	152	213
15	12	12	4.0	2.4	4.4	4.3	2.7	1.4	25	2.5	253	142
16	9.6	11	6.5	1.9	5.5	5.1	2.1	1.4	23	2.1	152	143
17	8.2	9.6	e18	1.6	5.2	5.7	2.1	1.3	21	2.2	169	162
18	7.8	9.2	e31	5.5	4.8	6.2	1.9	1.1	12	1.6	135	124
19	6.5	8.9	e34	33	4.0	5.8	2.2	1.3	4.1	2.4	e114	77
20	5.9	8.1	e29	30	2.8	5.1	2.0	1.0	3.2	2.7	59	110
21	5.8	7.3	e22	9.5	3.1	5.3	1.7	1.1	2.5	3.7	e64	332
22	6.1	7.0	e17	29	3.2	4.7	1.8	1.2	37	3.4	e73	331
23	5.6	6.3	e14	18	2.9	3.9	1.6	1.2	46	2.0	e102	257
24	5.4	5.8	e15	5.3	3.0	3.8	1.2	1.1	29	1.7	134	207
25	5.4	5.2	e15	5.2	95	4.2	1.7	1.1	18	1.2	105	167
26	5.0	4.5	e15	4.2	115	3.7	1.3	0.90	4.2	1.0	79	e430
27	5.4	4.6	e15	4.5	83	3.7	1.9	1.2	2.8	1.5	65	728
28	5.6	4.5	e14	4.8	58	3.5	1.3	0.88	3.5	1.9	61	563
29	5.6	3.9	e12	4.1	21	3.7	1.2	1.1	7.3	1.9	45	515
30	6.0	3.9	12	22	---	3.8	1.4	0.64	20	1.2	17	447
31	5.4	---	10	5.3	---	3.7	---	0.83	---	1.1	16	---
TOTAL	713.3	402.4	333.0	264.4	634.7	228.7	70.1	37.66	420.24	92.20	1,872.5	8,707
MEAN	23.0	13.4	10.7	8.53	21.9	7.38	2.34	1.21	14.0	2.97	60.4	290
MAX	134	46	34	33	115	31	4.3	2.0	55	6.4	253	728
MIN	5.0	3.9	2.7	1.6	2.8	3.5	1.2	0.64	0.44	1.0	1.1	36

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	23.0	13.4	10.7	8.53	21.9	7.38	2.34	1.21	14.0	2.97	60.4	290
MAX	23.0	13.4	10.7	8.53	21.9	7.38	2.34	1.21	14.0	2.97	60.4	290
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	23.0	13.4	10.7	8.53	21.9	7.38	2.34	1.21	14.0	2.97	60.4	290
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 2003 - 2004

ANNUAL TOTAL	13,776.20	
ANNUAL MEAN	37.6	
HIGHEST ANNUAL MEAN	37.6	2004
LOWEST ANNUAL MEAN	37.6	2004
HIGHEST DAILY MEAN	728	Sep 27
LOWEST DAILY MEAN	0.44	Jun 1
ANNUAL SEVEN-DAY MINIMUM	0.86	May 26
MAXIMUM PEAK STAGE	62.07	Sep 26
10 PERCENT EXCEEDS	106	
50 PERCENT EXCEEDS	5.4	
90 PERCENT EXCEEDS	1.4	

e Estimated

02272650 FISH SLOUGH NEAR BASINGER, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	402	16	1.3	3.3	1.2	5.6	4.5	1.5	203	574	13	10
2	357	15	1.4	2.9	1.4	3.3	6.7	8.1	248	465	13	12
3	310	14	1.1	2.7	1.4	2.0	5.1	25	265	404	12	27
4	256	13	1.0	2.5	1.2	4.5	4.3	106	305	364	11	27
5	193	11	0.95	2.3	0.80	4.8	3.9	141	305	296	9.9	25
6	148	11	1.0	2.3	1.2	3.4	3.7	118	341	242	11	26
7	143	8.9	0.77	2.0	1.3	3.0	2.8	74	342	181	14	23
8	129	8.9	1.3	2.3	0.89	2.5	3.8	46	289	132	16	20
9	115	7.3	0.36	1.9	0.96	3.0	3.1	25	246	115	15	19
10	99	6.7	0.70	1.8	0.74	12	2.9	19	206	147	13	15
11	83	6.0	0.93	1.5	0.32	13	3.4	17	161	122	10	11
12	75	4.7	0.70	1.1	0.48	5.8	3.0	16	173	99	7.9	9.4
13	67	4.4	0.85	1.0	0.06	4.4	3.0	4.7	230	85	7.7	8.3
14	60	4.6	0.66	5.2	0.02	3.6	3.0	2.6	191	72	20	7.4
15	54	6.0	0.45	7.1	0.17	3.4	1.7	2.7	143	61	106	7.3
16	48	5.7	0.71	9.2	1.3	2.2	1.5	2.4	104	52	88	6.0
17	43	3.9	1.0	8.3	1.2	19	1.4	2.8	126	47	45	5.7
18	39	4.8	1.7	5.8	0.95	79	1.5	2.2	110	43	37	5.5
19	36	4.8	1.1	3.5	0.64	36	1.1	2.0	105	39	27	4.9
20	34	5.0	1.0	2.9	0.24	29	0.68	2.1	278	38	19	6.4
21	33	3.9	1.7	2.6	0.51	22	1.1	1.8	254	36	15	6.6
22	32	0.40	1.5	2.7	0.79	27	0.82	1.6	184	31	12	6.5
23	27	0.70	1.3	2.1	0.75	20	0.57	1.8	173	28	10	6.5
24	24	1.9	1.9	1.9	0.67	14	0.30	1.5	184	26	17	9.4
25	22	2.2	3.8	2.1	1.3	10	0.51	7.2	143	26	20	7.4
26	19	3.4	9.7	1.7	0.95	8.9	-0.16	53	121	22	17	6.6
27	20	2.0	14	1.6	11	7.1	6.0	31	149	19	24	7.4
28	18	1.4	8.9	1.2	8.6	6.9	2.0	16	295	18	24	9.2
29	17	0.88	5.5	0.93	---	5.7	1.7	8.0	410	17	21	33
30	18	0.92	4.0	1.4	---	5.5	0.91	5.8	425	15	28	28
31	16	---	3.9	1.3	---	4.7	---	29	---	14	15	---
TOTAL	2,937	179.40	75.18	89.13	41.04	371.3	74.83	774.8	6,709	3,830	698.5	396.5
MEAN	94.7	5.98	2.43	2.88	1.47	12.0	2.49	25.0	224	124	22.5	13.2
MAX	402	16	14	9.2	11	79	6.7	141	425	574	106	33
MIN	16	0.40	0.36	0.93	0.02	2.0	-0.16	1.5	104	14	7.7	4.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	58.9	9.70	6.58	5.70	11.9	9.68	2.42	13.1	119	63.3	41.5	152
MAX	94.7	13.4	10.7	8.53	21.9	12.0	2.49	25.0	224	124	60.4	290
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	23.0	5.98	2.43	2.88	1.47	7.38	2.34	1.21	14.0	2.97	22.5	13.2
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	15,519.08	16,176.68	
ANNUAL MEAN	42.4	44.3	41.0
HIGHEST ANNUAL MEAN			44.3
LOWEST ANNUAL MEAN			37.6
HIGHEST DAILY MEAN	728	Sep 27	574
LOWEST DAILY MEAN	0.36	Dec 9	-0.16
ANNUAL SEVEN-DAY MINIMUM	0.66	Dec 9	0.39
MAXIMUM PEAK STAGE			61.01
10 PERCENT EXCEEDS	134	147	131
50 PERCENT EXCEEDS	4.8	7.7	6.0
90 PERCENT EXCEEDS	1.1	0.95	1.2

Note.--Negative figures indicate reverse flow

02272676 CYPRESS SLOUGH NEAR BASINGER, FL

LOCATION.--Lat 27° 22'48", long 80° 58'34", in SW¹/₄ sec.31, T.35 S., R.34 E., Okeechobee County, Hydrologic Unit 03090101, on upstream side of bridge at NW144 Av/Lamb Island Road, 0.9 mi upstream from mouth of stream at Chandler Slough, 13.1 mi east of Basinger.

DRAINAGE AREA.--58.3 mi².

PERIOD OF RECORD.--September 2003 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NAVD of 1988 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records fair.

EXTREMES FOR PERIOD SEPTEMBER 2003.--Maximum discharge, 313 ft³/s, Sept. 30, gage height, 33.84 ft; minimum, 13 ft³/s, Sept. 26, gage height, 31.48 ft.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	e14
26	---	---	---	---	---	---	---	---	---	---	---	14
27	---	---	---	---	---	---	---	---	---	---	---	18
28	---	---	---	---	---	---	---	---	---	---	---	49
29	---	---	---	---	---	---	---	---	---	---	---	136
30	---	---	---	---	---	---	---	---	---	---	---	270
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
CFSM	---	---	---	---	---	---	---	---	---	---	---	---
IN.	---	---	---	---	---	---	---	---	---	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
(WY)	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---
(WY)	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated

02272676 CYPRESS SLOUGH NEAR BASINGER, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	308	6.3	4.0	11	16	70	0.51	0.00	0.00	3.1	1.3	65
2	255	6.0	3.2	11	21	42	0.30	0.00	0.00	2.8	3.3	64
3	187	6.5	2.6	11	23	28	0.07	0.00	0.00	5.3	3.9	80
4	162	6.8	2.5	10	39	25	0.00	0.00	0.00	7.1	4.5	104
5	125	7.6	2.5	9.8	40	23	0.00	0.00	0.00	11	10	284
6	91	11	2.3	9.2	37	17	0.00	0.00	0.00	8.4	14	675
7	80	24	2.1	8.6	31	14	0.00	0.00	0.00	7.5	15	682
8	65	47	2.0	8.0	22	12	0.00	0.00	0.00	8.7	21	599
9	52	44	2.0	7.4	16	11	0.00	0.00	0.00	12	23	530
10	42	38	1.9	7.4	13	9.5	0.00	0.00	0.00	9.5	24	468
11	33	32	2.0	6.7	11	8.0	0.00	0.00	0.00	8.3	18	427
12	27	30	2.0	6.2	9.9	6.8	0.00	0.00	0.00	8.7	12	378
13	23	27	2.0	5.8	8.7	6.0	0.01	0.00	0.00	7.3	13	329
14	23	24	2.9	5.3	7.5	5.3	0.45	0.00	5.8	5.5	37	283
15	22	24	4.1	5.0	8.4	4.6	1.3	0.00	18	4.4	182	246
16	23	21	5.8	4.4	8.4	4.7	1.4	0.00	13	3.9	264	215
17	21	16	31	4.1	8.0	6.2	1.0	0.00	12	5.1	262	185
18	19	13	58	7.5	7.7	6.6	0.56	0.00	9.2	7.0	264	193
19	17	12	119	12	7.3	6.8	0.19	0.00	7.5	7.9	246	185
20	15	12	102	14	6.8	6.3	0.00	0.00	6.5	7.1	219	166
21	13	9.9	86	28	6.4	5.4	0.00	0.00	5.5	5.7	186	194
22	11	9.0	63	37	5.8	4.5	0.00	0.00	5.6	5.6	149	328
23	9.9	8.8	39	22	5.4	3.8	0.00	0.00	5.1	4.9	124	343
24	8.9	8.3	27	18	5.1	3.5	0.00	0.00	4.2	4.2	119	293
25	7.9	7.6	23	22	18	3.2	0.00	0.00	14	3.2	122	256
26	7.5	7.0	22	16	48	2.5	0.00	0.00	12	2.4	134	507
27	6.8	6.3	21	13	124	1.7	0.00	0.00	10	1.9	125	815
28	6.5	5.7	19	11	112	1.4	0.00	0.00	7.9	1.7	106	763
29	7.1	5.1	17	9.6	92	1.1	0.00	0.00	5.3	1.5	87	641
30	6.9	4.5	15	8.8	---	0.94	0.00	0.00	3.9	1.1	92	525
31	6.6	---	e13	9.0	---	0.76	---	0.00	---	0.73	80	---
TOTAL	1,682.1	480.4	698.9	358.8	758.4	341.60	5.79	0.00	145.50	173.53	2,961.0	10,823
MEAN	54.3	16.0	22.5	11.6	26.2	11.0	0.19	0.00	4.85	5.60	95.5	361
MAX	308	47	119	37	124	70	1.4	0.00	18	12	264	815
MIN	6.5	4.5	1.9	4.1	5.1	0.76	0.00	0.00	0.00	0.73	1.3	64
CFSM	0.93	0.27	0.39	0.20	0.45	0.19	0.00	0.00	0.08	0.10	1.64	6.19
IN.	1.07	0.31	0.45	0.23	0.48	0.22	0.00	0.00	0.09	0.11	1.89	6.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	54.3	16.0	22.5	11.6	26.2	11.0	0.19	0.00	4.85	5.60	95.5	361
MAX	54.3	16.0	22.5	11.6	26.2	11.0	0.19	0.00	4.85	5.60	95.5	361
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	54.3	16.0	22.5	11.6	26.2	11.0	0.19	0.00	4.85	5.60	95.5	361
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 2003 - 2004

ANNUAL TOTAL	18,429.02	
ANNUAL MEAN	50.4	50.4
HIGHEST ANNUAL MEAN		50.4
LOWEST ANNUAL MEAN		50.4
HIGHEST DAILY MEAN	815	815
LOWEST DAILY MEAN	0.00	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00
MAXIMUM PEAK FLOW	836	836
MAXIMUM PEAK STAGE	36.25	36.25
ANNUAL RUNOFF (CFSM)	0.864	0.864
ANNUAL RUNOFF (INCHES)	11.76	11.73
10 PERCENT EXCEEDS	163	163
50 PERCENT EXCEEDS	7.9	7.9
90 PERCENT EXCEEDS	0.00	0.00

e Estimated

02272676 CYPRESS SLOUGH NEAR BASINGER, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	451	17	2.5	9.1	3.0	8.4	7.1	3.9	115	469	16	23
2	439	16	2.3	6.9	2.5	13	8.9	3.8	277	491	13	23
3	385	15	1.9	5.9	2.2	11	9.7	4.7	406	420	11	19
4	329	14	1.5	5.3	1.9	11	8.9	14	495	403	15	15
5	286	14	1.2	4.8	1.7	10	9.3	42	457	348	21	20
6	249	12	1.0	4.3	1.7	7.9	8.3	105	392	287	16	30
7	210	11	0.97	3.9	1.7	7.6	7.2	126	338	244	12	28
8	180	10	0.91	3.6	1.7	8.1	6.9	113	304	209	9.8	28
9	169	9.3	0.89	3.4	1.9	9.3	6.0	85	267	187	8.3	26
10	156	8.9	0.89	3.2	1.8	13	5.2	62	238	199	9.6	21
11	140	7.7	0.89	2.9	1.6	11	4.6	40	220	210	11	17
12	132	7.2	0.82	2.6	1.4	12	4.4	26	201	192	11	14
13	118	6.5	0.68	2.3	1.2	14	4.3	19	211	171	15	12
14	104	6.3	0.62	3.1	1.1	13	3.8	17	228	140	15	9.5
15	93	6.5	0.53	4.5	1.1	10	3.0	16	205	117	10	7.8
16	84	5.6	0.49	6.6	1.0	7.9	2.5	12	173	98	22	6.7
17	75	4.7	0.49	11	0.99	14	2.1	8.4	145	85	89	5.4
18	69	4.3	1.0	11	0.91	27	1.8	6.0	125	75	95	4.5
19	63	4.5	1.1	10	0.77	46	1.6	4.4	127	66	62	4.0
20	58	4.5	1.0	9.6	0.57	69	1.4	2.9	146	58	41	3.6
21	57	4.5	1.5	8.2	0.43	46	1.2	2.2	232	48	31	4.4
22	57	4.1	1.7	6.7	0.34	37	0.98	1.7	245	43	23	5.1
23	50	3.8	1.6	5.8	0.23	29	0.74	1.3	236	41	17	4.9
24	44	3.7	1.8	4.9	0.08	26	0.37	0.92	231	37	15	5.1
25	40	3.7	3.3	4.3	0.20	23	0.08	0.72	240	42	12	4.9
26	34	3.4	8.0	3.8	0.43	19	0.00	1.3	224	36	13	4.6
27	29	3.1	9.4	3.5	2.4	15	0.88	1.7	187	28	28	4.5
28	26	2.9	15	3.6	6.2	14	1.0	15	173	24	26	4.7
29	22	2.6	15	3.8	---	13	1.2	30	239	19	21	5.6
30	20	2.5	14	3.7	---	10	2.8	23	338	20	21	8.8
31	18	---	12	3.4	---	8.3	---	35	---	20	20	---
TOTAL	4,187	219.3	104.98	165.7	41.05	563.5	116.25	823.94	7,415	4,827	729.7	370.1
MEAN	135	7.31	3.39	5.35	1.47	18.2	3.88	26.6	247	156	23.5	12.3
MAX	451	17	15	11	6.2	69	9.7	126	495	491	95	30
MIN	18	2.5	0.49	2.3	0.08	7.6	0.00	0.72	115	19	8.3	3.6
CFSM	2.32	0.13	0.06	0.09	0.03	0.31	0.07	0.46	4.24	2.67	0.40	0.21
IN.	2.67	0.14	0.07	0.11	0.03	0.36	0.07	0.53	4.73	3.08	0.47	0.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	94.7	11.7	13.0	8.46	14.0	14.6	2.03	13.3	126	80.7	59.5	187
MAX	135	16.0	22.5	11.6	26.2	18.2	3.87	26.6	247	156	95.5	361
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	54.3	7.31	3.39	5.35	1.47	11.0	0.19	0.00	4.85	5.60	23.5	12.3
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	20,078.90	19,563.52	
ANNUAL MEAN	54.9	53.6	52.0
HIGHEST ANNUAL MEAN			53.6
LOWEST ANNUAL MEAN			50.4
HIGHEST DAILY MEAN	815	Sep 27	815
LOWEST DAILY MEAN	0.00	Many days	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Apr 4	0.00
MAXIMUM PEAK FLOW		519	836
MAXIMUM PEAK STAGE		34.88	36.25
ANNUAL RUNOFF (CFSM)	0.941	0.919	0.891
ANNUAL RUNOFF (INCHES)	12.81	12.48	12.11
10 PERCENT EXCEEDS	185	207	187
50 PERCENT EXCEEDS	7.2	11	9.0
90 PERCENT EXCEEDS	0.00	1.1	0.31

02273198 C-41A CANAL NEAR LAKE PLACID, FL

LOCATION.--Lat 27° 19'51", long 81° 15'12", T.36 S., R.31 E., Highlands County, Hydrologic Unit 03090103, on right bank, 350 ft upstream from South Florida Water Management District structure S-68, 530 ft downstream from Lake Istokpoga, 4.6 mi northeast of junction of US 27 and County Road 621 in Lake Placid.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 2003 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is NAVD of 1988 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records good except for periods of estimated daily discharge, which are poor. Flow regulated by operation of structure 68, approximately, 350 ft downstream from the gage.

EXTREMES FOR PERIOD AUGUST TO SEPTEMBER 2003.--Maximum daily discharge, 3,030 ft³/s, Sept. 30; maximum gage height, 38.19 ft, Sept. 27; maximum daily reverse flow, -4.7 ft, Sept. 12; minimum gage height, 37.24 ft, Aug. 26, 28.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD AUGUST TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	433
2	---	---	---	---	---	---	---	---	---	---	---	771
3	---	---	---	---	---	---	---	---	---	---	---	1,350
4	---	---	---	---	---	---	---	---	---	---	---	2,180
5	---	---	---	---	---	---	---	---	---	---	---	2,680
6	---	---	---	---	---	---	---	---	---	---	---	2,460
7	---	---	---	---	---	---	---	---	---	---	---	2,410
8	---	---	---	---	---	---	---	---	---	---	---	2,420
9	---	---	---	---	---	---	---	---	---	---	---	2,390
10	---	---	---	---	---	---	---	---	---	---	---	1,960
11	---	---	---	---	---	---	---	---	---	---	---	1,190
12	---	---	---	---	---	---	---	---	---	---	---	-4.7
13	---	---	---	---	---	---	---	---	---	---	---	8.3
14	---	---	---	---	---	---	---	---	---	---	---	-0.42
15	---	---	---	---	---	---	---	---	---	---	---	28
16	---	---	---	---	---	---	---	---	---	---	---	e147
17	---	---	---	---	---	---	---	---	---	---	---	e504
18	---	---	---	---	---	---	---	---	---	---	---	e637
19	---	---	---	---	---	---	---	---	---	---	---	e636
20	---	---	---	---	---	---	---	---	---	---	---	e640
21	---	---	---	---	---	---	---	---	---	---	---	e635
22	---	---	---	---	---	---	---	---	---	---	---	e636
23	---	---	---	---	---	---	---	---	---	---	---	e630
24	---	---	---	---	---	---	---	---	---	---	---	e779
25	---	---	---	---	---	---	---	---	---	---	---	e1,010
26	---	---	---	---	---	---	---	---	---	---	e851	e1,220
27	---	---	---	---	---	---	---	---	---	---	563	e1,320
28	---	---	---	---	---	---	---	---	---	---	436	e1,550
29	---	---	---	---	---	---	---	---	---	---	465	e2,820
30	---	---	---	---	---	---	---	---	---	---	441	3,030
31	---	---	---	---	---	---	---	---	---	---	436	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	1,216
MAX	---	---	---	---	---	---	---	---	---	---	---	3,030
MIN	---	---	---	---	---	---	---	---	---	---	---	-4.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2003, BY WATER YEAR (WY)

MEAN	---	---	---	---	---	---	---	---	---	---	---	1,216
MAX	---	---	---	---	---	---	---	---	---	---	---	1,216
(WY)	---	---	---	---	---	---	---	---	---	---	---	(2003)
MIN	---	---	---	---	---	---	---	---	---	---	---	1,216
(WY)	---	---	---	---	---	---	---	---	---	---	---	(2003)

e Estimated

Note.--Negative figures indicate reverse flow

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,940	e141	15	204	932	95	194	122	132	155	26	1,180
2	940	125	31	170	910	163	268	58	430	131	20	1,190
3	456	171	28	98	667	146	60	19	192	7.7	23	1,220
4	445	20	114	150	453	168	61	81	213	32	22	1,520
5	422	25	66	274	380	341	61	23	19	30	-20	2,110
6	e641	e807	21	548	582	450	192	18	45	48	157	2,210
7	e650	e1,170	31	1,690	792	436	247	160	27	54	186	2,200
8	e885	e1,160	7.2	615	981	409	288	274	32	19	173	2,190
9	e1,350	e640	40	145	295	382	44	176	31	39	197	2,470
10	e1,610	e437	80	-7.7	7.2	410	179	58	88	0.49	582	e3,030
11	e1,180	9.9	-30	15	14	422	141	71	475	13	1,260	e3,410
12	e923	-11	50	-10	151	405	29	95	518	9.6	1,360	e3,380
13	e876	e186	59	-0.82	196	217	27	245	479	-2.2	1,290	e1,860
14	e901	e85	62	15	321	175	-100	255	460	38	1,140	e346
15	e910	e0.00	699	-16	284	131	-15	54	730	51	1,160	123
16	e395	21	834	160	323	180	20	138	864	32	1,150	135
17	e0.00	7.7	e3,150	48	88	126	3.9	93	862	30	1,180	122
18	34	13	e2,870	19	8.6	193	28	226	396	-4.6	1,190	148
19	6.8	66	e1,090	103	57	148	61	300	16	14	1,180	154
20	95	307	0.48	274	47	172	169	45	1.4	15	1,170	237
21	e678	438	-1.2	192	6.1	153	285	80	19	0.09	1,210	655
22	e1,050	-4.3	-12	63	10	145	245	142	41	24	1,170	1,150
23	e866	e90	0.82	-4.6	116	201	184	203	22	31	1,200	1,190
24	1.5	e0.00	53	-8.0	205	147	148	53	65	25	1,150	1,450
25	-10	e0.00	315	24	176	104	44	90	31	28	1,120	2,600
26	29	e70	471	71	241	48	23	133	13	28	1,160	2,370
27	26	190	466	361	312	26	84	208	92	41	1,030	2,490
28	180	169	390	1,020	795	28	269	190	-7.3	26	1,140	3,430
29	618	282	204	607	336	33	199	210	14	50	1,150	3,700
30	738	1.0	155	-1.2	---	41	191	70	98	7.7	1,150	4,150
31	e462	---	199	199	---	111	---	19	---	11	1,170	---
MEAN	623	221	370	226	334	200	121	126	213	31.7	842	1,747
MAX	1,940	1,170	3,150	1,690	981	450	288	300	864	155	1,360	4,150
MIN	-10	-11	-30	-16	6.1	26	-100	18	-7.3	-4.6	-20	122

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	623	221	370	226	334	200	121	126	213	31.7	842	1,481
MAX	623	221	370	226	334	200	121	126	213	31.7	842	1,747
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	623	221	370	226	334	200	121	126	213	31.7	842	1,216
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

ANNUAL MEAN
HIGHEST ANNUAL MEAN
LOWEST ANNUAL MEAN
HIGHEST DAILY MEAN
LOWEST DAILY MEAN
ANNUAL SEVEN-DAY MINIMUM
MAXIMUM PEAK STAGE
10 PERCENT EXCEEDS
50 PERCENT EXCEEDS
90 PERCENT EXCEEDS

FOR 2004 WATER YEAR

420
4,150 Sep 30
-100 Apr 14
-1.0 Apr 12
41.47 Sep 26
1,170
154
7.7

WATER YEARS 2003 - 2004

420
420
420
4,150 Sep 30, 2004
-100 Apr 14, 2004
-1.0 Apr 12, 2004
41.47 Sep 26, 2004
1,170
154
7.7

e Estimated

Note.--Negative figures indicate reverse flow

02273198 C-41A CANAL NEAR LAKE PLACID, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,470	454	195	355	8.4	356	-28	-52	1,030	2,780	552	127
2	4,410	458	469	342	49	352	36	-34	2,020	2,980	865	259
3	4,200	506	908	346	26	376	365	228	2,470	2,940	1,100	1.8
4	2,650	483	e889	351	69	383	300	656	2,610	2,900	1,060	59
5	1,390	673	65	339	158	363	-60	863	2,620	2,900	1,060	452
6	2,000	1,190	121	249	151	365	-72	840	3,100	2,770	1,100	1,610
7	1,510	1,200	74	279	105	372	190	842	3,530	2,220	1,100	2,570
8	2,000	655	22	239	54	384	424	795	3,590	1,130	1,160	1,810
9	2,080	158	70	272	150	386	447	828	3,540	518	1,250	267
10	1,710	118	61	261	215	560	473	894	3,310	522	1,250	108
11	1,340	133	53	223	176	542	457	875	3,390	723	1,060	304
12	2,170	219	204	221	164	521	467	585	3,390	876	429	247
13	3,170	56	e294	183	140	509	494	479	3,350	1,200	96	297
14	1,880	75	225	263	127	488	473	481	2,410	1,670	60	172
15	758	47	370	848	138	473	499	222	1,640	1,550	322	45
16	835	118	337	1,100	111	511	498	25	1,530	1,590	443	186
17	833	125	313	1,280	252	457	505	446	1,600	1,600	490	298
18	855	271	178	908	156	597	488	109	1,580	1,600	513	337
19	782	249	172	85	241	734	351	318	1,620	1,590	503	234
20	929	217	169	8.2	234	739	140	311	1,240	1,630	487	-4.6
21	1,600	120	177	45	83	746	310	176	1,060	1,090	498	3.7
22	1,620	115	117	166	207	783	213	153	1,060	847	720	7.0
23	1,540	182	149	90	181	817	83	220	1,050	796	1,540	34
24	1,480	217	38	512	37	755	-2.6	371	1,100	579	2,420	32
25	1,210	384	177	273	68	784	179	387	1,070	155	2,400	-2.1
26	545	201	648	194	49	753	130	306	1,110	-4.4	761	35
27	482	230	e800	6.9	80	755	-24	92	1,070	7.9	-9.2	195
28	506	141	816	32	240	421	-43	74	1,090	241	25	189
29	497	241	784	98	---	442	47	4.2	1,830	460	55	-8.2
30	488	205	636	45	---	389	-0.80	170	2,510	548	4.4	22
31	501	---	378	13	---	82	---	60	---	573	44	---
MEAN	1,627	315	320	311	131	522	245	378	2,084	1,322	753	330
MAX	4,470	1,200	908	1,280	252	817	505	894	3,590	2,980	2,420	2,570
MIN	482	47	22	6.9	8.4	82	-72	-52	1,030	-4.4	-9.2	-8.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

	2003	2004	2005	2003	2004	2005	2003	2004	2005	2003	2004	2005
MEAN	1,125	268	345	268	234	361	183	252	1,149	677	798	1,098
MAX	1,627	315	370	311	334	522	245	378	2,084	1,322	842	1,747
(WY)	(2005)	(2005)	(2004)	(2005)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	623	221	320	226	131	200	121	126	213	31.7	753	330
(WY)	(2004)	(2004)	(2005)	(2004)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL MEAN	509	699	559
HIGHEST ANNUAL MEAN			699
LOWEST ANNUAL MEAN			420
HIGHEST DAILY MEAN	4,470	Oct 1	4,470
LOWEST DAILY MEAN	-100	Apr 14	-100
ANNUAL SEVEN-DAY MINIMUM	-1.0	Apr 12	-1.0
MAXIMUM PEAK STAGE			38.62
10 PERCENT EXCEEDS	1,350		1,750
50 PERCENT EXCEEDS	188		384
90 PERCENT EXCEEDS	19		42

e Estimated

Note.--Negative figures indicate reverse flow

KISSIMMEE RIVER BASIN

02273230 C-41 CANAL NEAR BRIGHTON, FL

LOCATION.--Lat 27° 12'49", long 81° 12'06", T.37 S., R.31 E., Highlands County, Hydrologic Unit 03090103, on left bank, 1,500 ft upstream from Highway 70 bridge culverts, 4.5 mi downstream from S-82 structure, 6.8 mi west of Brighton, 22 mi from Lake Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 2003 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is NAVD of 1988 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Flow regulated by operation of structure 82 about 4.5 mi upstream from the gage.

EXTREMES FOR PERIOD AUGUST TO SEPTEMBER 2003.--Maximum daily discharge, 1,730 ft³/s, Sept. 30; maximum gage height, 26.60 ft, Sept. 29; minimum daily discharge, 66 ft³/s, Sept. 14; minimum gage height, 23.89 ft, Sept. 10.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD AUGUST TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	159
2	---	---	---	---	---	---	---	---	---	---	---	307
3	---	---	---	---	---	---	---	---	---	---	---	430
4	---	---	---	---	---	---	---	---	---	---	---	994
5	---	---	---	---	---	---	---	---	---	---	---	1,470
6	---	---	---	---	---	---	---	---	---	---	---	1,540
7	---	---	---	---	---	---	---	---	---	---	---	1,290
8	---	---	---	---	---	---	---	---	---	---	---	970
9	---	---	---	---	---	---	---	---	---	---	---	977
10	---	---	---	---	---	---	---	---	---	---	---	654
11	---	---	---	---	---	---	---	---	---	---	---	261
12	---	---	---	---	---	---	---	---	---	---	---	72
13	---	---	---	---	---	---	---	---	---	---	---	104
14	---	---	---	---	---	---	---	---	---	---	---	66
15	---	---	---	---	---	---	---	---	---	---	---	84
16	---	---	---	---	---	---	---	---	---	---	---	110
17	---	---	---	---	---	---	---	---	---	---	---	123
18	---	---	---	---	---	---	---	---	---	---	---	87
19	---	---	---	---	---	---	---	---	---	---	e602	189
20	---	---	---	---	---	---	---	---	---	---	712	86
21	---	---	---	---	---	---	---	---	---	---	573	108
22	---	---	---	---	---	---	---	---	---	---	600	113
23	---	---	---	---	---	---	---	---	---	---	620	183
24	---	---	---	---	---	---	---	---	---	---	720	156
25	---	---	---	---	---	---	---	---	---	---	e710	265
26	---	---	---	---	---	---	---	---	---	---	e303	559
27	---	---	---	---	---	---	---	---	---	---	e89	594
28	---	---	---	---	---	---	---	---	---	---	e111	975
29	---	---	---	---	---	---	---	---	---	---	213	1,670
30	---	---	---	---	---	---	---	---	---	---	102	1,730
31	---	---	---	---	---	---	---	---	---	---	98	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	16,326
MEAN	---	---	---	---	---	---	---	---	---	---	---	544
MAX	---	---	---	---	---	---	---	---	---	---	---	1,730
MIN	---	---	---	---	---	---	---	---	---	---	---	66

e Estimated

02273230 C-41 CANAL NEAR BRIGHTON, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,170	133	79	224	165	131	184	96	126	190	261	1,060
2	511	122	71	217	208	101	150	70	226	89	579	1,140
3	102	270	49	97	96	80	151	82	68	72	295	1,090
4	63	62	28	176	76	55	131	128	92	60	248	1,180
5	103	48	92	322	108	42	118	93	134	73	586	1,300
6	80	417	49	534	34	52	146	75	60	135	1,010	1,880
7	163	299	43	1,200	108	75	129	191	73	82	732	1,670
8	354	280	34	503	47	94	275	236	98	85	555	e1,520
9	602	206	44	93	71	68	143	148	178	97	449	e1,070
10	856	78	29	60	61	58	124	88	404	53	637	e991
11	342	60	72	36	41	100	100	118	709	107	1,270	e1,070
12	229	55	102	54	118	75	309	159	645	167	1,310	1,060
13	216	158	71	58	133	106	181	303	319	94	1,320	813
14	233	78	66	70	258	72	153	224	365	90	1,750	312
15	175	60	695	58	99	68	63	78	652	50	1,680	105
16	101	66	592	163	59	44	70	151	733	71	1,430	e107
17	86	95	1,750	49	58	77	50	142	647	41	1,240	123
18	85	72	1,600	85	81	76	63	231	304	56	1,190	117
19	81	53	1,120	187	115	134	92	299	64	81	1,650	101
20	77	239	112	365	49	40	139	52	85	119	1,390	214
21	240	505	58	233	68	38	245	71	206	79	1,200	783
22	431	104	119	114	62	78	234	164	72	58	1,100	1,190
23	311	51	85	57	49	53	162	182	101	6.2	1,140	1,040
24	23	44	73	47	47	67	117	113	95	72	1,020	1,050
25	58	60	357	54	402	55	106	78	81	98	1,020	1,090
26	100	70	501	38	553	64	107	168	71	105	1,040	1,430
27	77	193	519	49	229	50	183	182	98	195	935	1,720
28	139	136	495	67	131	50	234	189	52	330	1,070	2,050
29	371	262	326	32	142	71	203	214	75	181	1,050	1,900
30	330	59	226	52	---	66	162	101	172	152	1,040	1,840
31	149	---	232	86	---	120	---	76	---	176	1,050	---
TOTAL	7,858	4,335	9,689	5,380	3,668	2,260	4,524	4,502	7,005	3,264.2	31,247	31,016
MEAN	253	144	313	174	126	72.9	151	145	234	105	1,008	789
MAX	1,170	505	1,750	1,200	553	134	309	303	733	330	1,750	2,050
MIN	23	44	28	32	34	38	50	52	52	6.2	248	101

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	253	144	313	174	126	72.9	151	145	234	105	1,008	789
MAX	253	144	313	174	126	72.9	151	145	234	105	1,008	1,034
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	253	144	313	174	126	72.9	151	145	234	105	1,008	544
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 2003 - 2004

ANNUAL TOTAL	114,748.2	
ANNUAL MEAN	314	314
HIGHEST ANNUAL MEAN		314
LOWEST ANNUAL MEAN		314
HIGHEST DAILY MEAN	2,050	2,050
LOWEST DAILY MEAN	6.2	6.2
ANNUAL SEVEN-DAY MINIMUM	46	46
MAXIMUM PEAK STAGE	27.63	27.63
10 PERCENT EXCEEDS	1,060	1,060
50 PERCENT EXCEEDS	120	120
90 PERCENT EXCEEDS	52	52

e Estimated

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,840	385	185	236	45	337	42	97	1,200	1,140	302	158
2	1,630	378	369	206	48	403	157	74	1,670	1,090	301	104
3	1,450	426	787	234	47	308	498	298	1,290	848	438	114
4	1,160	474	768	222	52	425	369	1,060	1,160	929	363	107
5	1,090	590	107	229	105	316	71	791	821	694	785	127
6	1,040	1,010	88	123	90	312	42	582	1,030	456	511	e532
7	1,010	1,090	102	128	90	314	232	633	881	510	540	462
8	1,040	656	129	177	75	222	430	720	978	373	527	482
9	1,080	142	96	172	104	180	470	731	829	325	603	306
10	877	134	81	100	146	669	500	746	719	541	972	129
11	132	113	117	167	119	520	481	760	1,000	e448	729	227
12	461	206	201	91	130	540	490	561	979	619	265	305
13	1,050	99	231	78	44	505	533	406	795	575	138	223
14	930	94	212	255	91	507	436	460	788	541	126	211
15	611	96	271	430	137	535	422	304	784	504	484	69
16	705	147	217	228	140	495	470	140	614	508	579	109
17	719	212	182	398	202	710	507	348	585	440	552	269
18	708	191	201	331	172	864	484	178	515	425	482	282
19	687	193	183	54	124	708	399	337	533	447	504	226
20	730	172	185	2.3	140	677	159	208	283	418	492	87
21	1,230	104	114	78	97	672	240	160	45	394	519	104
22	1,170	102	87	70	98	668	139	133	126	454	513	110
23	1,200	88	112	17	118	635	98	168	169	457	407	130
24	1,220	119	115	227	57	612	101	324	285	440	216	118
25	1,100	237	280	164	45	605	166	333	219	173	524	77
26	436	209	768	62	56	633	114	280	166	73	239	85
27	393	147	750	17	266	549	237	187	135	64	28	116
28	346	112	623	82	340	338	111	157	139	269	60	220
29	362	149	627	73	---	339	101	65	569	275	122	202
30	370	209	505	65	---	288	77	251	488	215	70	114
31	397	---	258	31	---	62	---	481	---	280	96	---
TOTAL	27,174	8,284	8,951	4,747.3	3,178	14,948	8,576	11,973	19,795	14,925	12,487	5,805
MEAN	877	276	289	153	114	482	286	386	660	481	403	194
MAX	1,840	1,090	787	430	340	864	533	1,060	1,670	1,140	972	532
MIN	132	88	81	2.3	44	62	42	65	45	64	28	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	565	210	301	163	120	278	218	266	447	293	705	591
MAX	877	276	313	174	126	482	286	386	660	481	1,008	1,034
(WY)	(2005)	(2005)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	253	144	289	153	114	72.9	151	145	234	105	403	194
(WY)	(2004)	(2004)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	137,275.2	140,843.3	
ANNUAL MEAN	375	386	350
HIGHEST ANNUAL MEAN			386
LOWEST ANNUAL MEAN			314
HIGHEST DAILY MEAN	2,050	1,840	2,050
LOWEST DAILY MEAN	6.2	2.3	2.3
ANNUAL SEVEN-DAY MINIMUM	48	52	46
MAXIMUM PEAK STAGE		26.37	27.63
10 PERCENT EXCEEDS	1,090	824	989
50 PERCENT EXCEEDS	152	283	185
90 PERCENT EXCEEDS	58	82	59

e Estimated

02273630 POPASH SLOUGH NEAR OKEECHOBEE, FL

LOCATION.--Lat 27° 14'37", long 80° 53'48", in NE 1/4 sec.23, T.37 S., R.34 E., Okeechobee County, Hydrologic Unit 03090102, on downstream side of bridge on State Highway 70, 4.1 mi west of Okeechobee, and 4.1 mi upstream from mouth.

DRAINAGE AREA.--23.1 mi².

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NAVD of 1988 (National Geodetic Survey bench mark).

REMARKS.--Records fair. Water year 2005: maximum discharge, 381 ft³/s and stage, 26.19 ft, occurred on Oct. 1, stage falling, peak occurred on Sept. 26, 2004.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	5.3	3.2	5.0	5.0	15	1.0	0.00	0.00	1.7	0.00	26
2	---	4.9	3.0	4.7	5.3	14	0.83	0.00	0.00	1.2	0.00	25
3	---	5.2	2.8	4.5	5.0	12	0.63	0.00	0.00	0.63	1.9	25
4	---	5.1	2.7	4.3	4.8	11	0.36	0.00	0.00	0.15	2.9	29
5	---	4.9	2.7	4.1	4.7	11	0.08	0.00	0.00	0.00	3.3	178
6	---	6.4	2.7	4.0	4.5	10	0.00	0.00	0.12	0.00	3.1	388
7	---	15	2.6	3.9	4.3	9.5	0.00	0.00	1.4	0.00	2.9	380
8	---	15	2.4	3.8	4.2	9.0	0.00	0.00	1.8	0.00	3.3	338
9	---	14	2.4	3.7	4.1	8.2	0.00	0.00	1.8	0.00	3.8	293
10	e37	13	2.5	3.6	3.9	7.5	0.00	0.00	1.9	0.00	5.0	253
11	35	12	2.6	3.4	3.8	6.8	0.00	0.00	2.2	0.00	5.5	224
12	33	11	2.5	3.3	3.7	6.2	0.11	0.00	2.2	0.00	5.6	199
13	29	9.5	2.4	3.2	3.6	5.6	2.2	0.00	1.9	0.00	6.2	175
14	27	8.6	3.7	3.1	3.6	5.1	2.4	0.00	1.7	0.00	8.5	155
15	25	7.8	5.8	3.0	4.2	4.6	1.8	0.00	1.7	0.00	14	138
16	23	7.2	5.3	2.9	4.3	4.4	1.3	0.00	1.8	0.00	14	127
17	20	6.6	8.3	2.9	4.0	4.3	0.92	0.00	1.4	0.00	12	147
18	18	6.1	9.8	3.8	3.8	4.2	0.60	0.00	0.82	0.00	11	138
19	16	5.9	11	5.1	3.6	4.0	0.25	0.00	0.39	0.00	10	122
20	15	5.7	11	4.9	3.4	3.7	0.00	0.00	0.62	0.00	9.6	119
21	14	5.2	9.7	4.5	3.3	3.4	0.00	0.00	1.4	0.00	9.2	245
22	12	4.9	9.0	4.4	3.2	3.1	0.00	0.00	3.4	0.00	8.9	333
23	11	4.6	8.2	4.2	3.1	2.9	0.00	0.00	3.5	0.00	8.6	300
24	10	4.3	7.8	4.0	3.0	2.7	0.00	0.00	2.9	0.00	8.1	268
25	9.2	4.1	7.4	3.9	6.2	2.4	0.00	0.00	2.2	0.00	8.1	244
26	8.3	3.9	7.1	3.8	18	2.2	0.00	0.00	1.6	0.00	8.8	587
27	7.6	3.8	6.7	3.8	19	1.9	0.00	0.00	0.96	0.00	10	583
28	7.1	3.6	6.3	3.6	18	1.8	0.00	0.00	0.45	0.00	11	530
29	6.7	3.4	6.0	3.4	17	1.6	0.00	0.00	0.51	0.00	13	465
30	6.2	3.2	5.7	3.4	---	1.4	0.00	0.00	1.6	0.00	35	405
31	5.7	---	5.3	4.0	---	1.2	---	0.00	---	0.00	30	---
TOTAL	---	210.2	168.6	120.2	174.6	180.7	12.48	0.00	40.27	3.68	273.30	7,439
MEAN	---	7.01	5.44	3.88	6.02	5.83	0.42	0.00	1.34	0.12	8.82	248
MAX	---	15	11	5.1	19	15	2.4	0.00	3.5	1.7	35	587
MIN	---	3.2	2.4	2.9	3.0	1.2	0.00	0.00	0.00	0.00	0.00	25
CFSM	---	0.30	0.24	0.17	0.26	0.25	0.02	0.00	0.06	0.01	0.38	10.7
IN.	---	0.34	0.27	0.19	0.28	0.29	0.02	0.00	0.06	0.01	0.44	11.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

MEAN	17.1	7.01	5.44	3.88	6.02	5.83	0.42	0.00	1.34	0.12	8.82	248
MAX	17.1	7.01	5.44	3.88	6.02	5.83	0.42	0.00	1.34	0.12	8.82	248
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	17.1	7.01	5.44	3.88	6.02	5.83	0.42	0.00	1.34	0.12	8.82	248
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

ANNUAL TOTAL	8,998.83
ANNUAL MEAN	25.2
HIGHEST DAILY MEAN	587 Sep 26
LOWEST DAILY MEAN	0.00 Many days
ANNUAL SEVEN-DAY MINIMUM	0.09 Apr 20
MAXIMUM PEAK FLOW	714 Sep 26
MAXIMUM PEAK STAGE	27.03 Sep 26
ANNUAL RUNOFF (CFSM)	1.09
ANNUAL RUNOFF (INCHES)	14.49
10 PERCENT EXCEEDS	25
50 PERCENT EXCEEDS	3.7
90 PERCENT EXCEEDS	0.00

e Estimated

02273630 POPASH SLOUGH NEAR OKEECHOBEE, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	352	15	3.2	3.8	2.9	10	10	2.1	27	153	23	5.2
2	302	14	3.1	3.6	2.8	7.8	9.4	2.0	57	169	22	9.7
3	261	13	2.9	3.4	2.8	6.2	9.0	2.4	105	165	19	13
4	223	12	2.7	3.3	2.8	6.7	8.1	12	232	158	18	9.3
5	193	11	2.6	3.3	2.6	6.4	7.2	14	222	150	24	7.1
6	168	10	2.5	3.3	2.5	5.8	6.4	12	240	137	23	6.2
7	146	9.5	2.3	3.3	2.4	5.1	5.8	9.6	224	123	20	5.2
8	127	8.8	2.2	3.2	2.3	4.9	5.7	7.6	224	108	17	4.6
9	112	8.2	2.2	3.1	2.2	7.1	5.4	5.8	217	101	14	4.2
10	99	7.8	2.3	3.0	2.2	14	5.1	4.5	204	113	12	3.9
11	89	7.3	2.4	2.9	1.9	12	4.6	3.7	208	114	11	3.3
12	86	6.9	2.2	2.8	1.8	11	4.2	3.2	203	109	10	2.7
13	80	6.5	2.0	2.8	1.8	8.9	4.0	2.8	183	103	9.9	2.3
14	72	6.6	1.9	3.6	1.8	7.4	3.7	2.4	157	97	9.6	1.9
15	65	6.5	1.7	4.8	1.8	6.3	3.3	2.1	136	89	8.9	1.7
16	59	5.9	1.5	4.8	1.8	5.7	3.1	1.9	116	84	8.3	1.3
17	53	5.4	1.6	4.3	1.8	15	2.9	1.6	104	81	7.6	1.0
18	48	5.1	2.1	3.9	1.7	43	2.7	1.2	94	75	6.7	0.69
19	43	4.8	2.2	3.7	1.6	36	2.5	0.88	83	69	6.1	0.43
20	40	4.6	2.1	3.5	1.4	28	2.2	0.51	88	63	5.4	0.68
21	39	4.3	1.9	3.4	1.4	22	1.9	0.19	99	65	4.8	1.4
22	36	4.1	1.8	3.3	1.4	22	1.7	0.00	89	68	4.5	1.9
23	34	3.9	1.9	3.3	1.4	19	1.4	0.00	82	66	4.3	1.7
24	30	3.8	2.2	3.0	1.5	16	0.99	0.00	88	61	4.5	1.4
25	27	3.7	3.2	2.8	3.1	14	0.71	0.00	82	62	4.9	1.1
26	24	3.5	5.3	2.7	7.4	14	0.37	0.00	74	52	5.2	0.91
27	22	3.4	4.9	2.7	9.5	13	3.0	0.43	66	44	5.6	0.79
28	20	3.6	4.6	2.9	12	12	3.4	1.5	66	37	5.6	1.6
29	18	3.5	4.4	3.5	---	13	2.9	1.4	78	32	5.7	6.8
30	17	3.3	4.1	3.4	---	12	2.5	1.7	86	28	5.3	6.1
31	16	---	4.0	3.2	---	11	---	7.2	---	25	4.6	---
TOTAL	2,901	206.0	84.0	104.6	80.6	415.3	124.17	104.71	3,934	2,801	330.5	108.10
MEAN	93.6	6.87	2.71	3.37	2.88	13.4	4.14	3.38	131	90.4	10.7	3.60
MAX	352	15	5.3	4.8	12	43	10	14	240	169	24	13
MIN	16	3.3	1.5	2.7	1.4	4.9	0.37	0.00	27	25	4.3	0.43
CFSM	4.05	0.30	0.12	0.15	0.12	0.58	0.18	0.15	5.68	3.91	0.46	0.16
IN.	4.67	0.33	0.14	0.17	0.13	0.67	0.20	0.17	6.34	4.51	0.53	0.17

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	93.6	6.94	4.07	3.63	4.48	9.61	2.28	1.69	66.2	45.2	9.74	126
MAX	93.6	7.01	5.44	3.88	6.02	13.4	4.14	3.38	131	90.4	10.7	248
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)
MIN	93.6	6.87	2.71	3.37	2.88	5.83	0.42	0.00	1.34	0.12	8.82	3.60
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2004 - 2005

ANNUAL TOTAL	11,435.23		11,193.98		30.7	
ANNUAL MEAN	31.2		30.7		30.7	
HIGHEST ANNUAL MEAN					30.7	
LOWEST ANNUAL MEAN					30.7	
HIGHEST DAILY MEAN	587	Sep 26	352	Oct 1	587	Sep 26, 2004
LOWEST DAILY MEAN	0.00	Many days	0.00	May 22-26	0.00	Many days
ANNUAL SEVEN-DAY MINIMUM	0.00	Apr 20	0.09	May 21	0.00	Many days
MAXIMUM PEAK FLOW			243	Jun 6	714	Sep 26, 2004
MAXIMUM PEAK STAGE			25.69	Jun 6	27.03	Sep 26, 2004
ANNUAL RUNOFF (CFSM)	1.35		1.33		1.33	
ANNUAL RUNOFF (INCHES)	18.42		18.03		18.04	
10 PERCENT EXCEEDS	92		102		102	
50 PERCENT EXCEEDS	3.5		5.6		5.6	
90 PERCENT EXCEEDS	0.00		1.7		1.7	

02274005 OTTER CREEK NEAR OKEECHOBEE, FL

LOCATION.--Lat 27° 22'38", long 80° 50'44", in SE¹/₄ sec.32, T.35 S., R.35 E., Okeechobee County, Hydrologic Unit 03090102, 15 ft upstream from sheet pile weir, 175 ft downstream from bridge on County Road 68A, 1.9 mi upstream from mouth, and 10 mi north of Okeechobee.

DRAINAGE AREA.--8.56 mi².

PERIOD OF RECORD.--July 2003 to current year.

GAGE.--Water-stage recorder, steel sheet-pile weir, and data-collection platform. Datum of gage is at NAVD of 1988 (U.S. Army Corp of Engineers bench mark).

REMARKS.--Records fair.

EXTREMES FOR PERIOD JULY TO SEPTEMBER 2003.--Maximum daily discharge, e68 ft³/s, Sept. 29; maximum gage height, 35.06 ft, Sept. 29; minimum discharge, 0.72 ft³/s, July 16, gage height, 32.91 ft.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD JULY TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	3.9	11
2	---	---	---	---	---	---	---	---	---	---	3.5	9.4
3	---	---	---	---	---	---	---	---	---	---	9.8	7.4
4	---	---	---	---	---	---	---	---	---	---	8.1	7.3
5	---	---	---	---	---	---	---	---	---	---	6.8	9.6
6	---	---	---	---	---	---	---	---	---	---	6.2	14
7	---	---	---	---	---	---	---	---	---	---	5.5	11
8	---	---	---	---	---	---	---	---	---	---	6.5	10
9	---	---	---	---	---	---	---	---	---	---	11	7.9
10	---	---	---	---	---	---	---	---	---	1.6	27	6.5
11	---	---	---	---	---	---	---	---	---	1.2	19	5.4
12	---	---	---	---	---	---	---	---	---	1.2	17	5.1
13	---	---	---	---	---	---	---	---	---	1.0	15	4.4
14	---	---	---	---	---	---	---	---	---	1.0	16	4.0
15	---	---	---	---	---	---	---	---	---	0.91	18	3.5
16	---	---	---	---	---	---	---	---	---	0.80	14	3.1
17	---	---	---	---	---	---	---	---	---	1.2	12	2.8
18	---	---	---	---	---	---	---	---	---	1.5	9.3	2.6
19	---	---	---	---	---	---	---	---	---	1.3	e8.6	2.4
20	---	---	---	---	---	---	---	---	---	1.5	e20	3.0
21	---	---	---	---	---	---	---	---	---	1.2	e31	2.8
22	---	---	---	---	---	---	---	---	---	1.2	e45	2.6
23	---	---	---	---	---	---	---	---	---	1.1	e50	2.4
24	---	---	---	---	---	---	---	---	---	1.3	e53	2.3
25	---	---	---	---	---	---	---	---	---	1.9	e35	8.8
26	---	---	---	---	---	---	---	---	---	2.6	e27	25
27	---	---	---	---	---	---	---	---	---	2.8	e20	14
28	---	---	---	---	---	---	---	---	---	2.2	e27	e35
29	---	---	---	---	---	---	---	---	---	4.0	19	e68
30	---	---	---	---	---	---	---	---	---	5.0	18	e57
31	---	---	---	---	---	---	---	---	---	4.7	13	---
TOTAL	---	---	---	---	---	---	---	---	---	---	575.2	348.3
MEAN	---	---	---	---	---	---	---	---	---	---	18.6	11.6
MAX	---	---	---	---	---	---	---	---	---	---	53	68
MIN	---	---	---	---	---	---	---	---	---	---	3.5	2.3

e Estimated

02274005 OTTER CREEK NEAR OKEECHOBEE, FL--Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	3.2	1.3	1.7	3.1	3.3	1.2	1.1	1.1	2.2	3.1	5.0
2	19	3.5	1.2	1.7	3.0	3.0	1.2	1.1	1.2	2.0	3.2	4.7
3	14	3.5	1.3	1.6	2.5	2.7	1.2	1.2	1.3	1.8	3.0	4.3
4	9.8	3.5	1.3	1.7	2.2	2.5	1.2	1.2	1.5	1.8	3.1	9.0
5	7.5	3.6	1.5	1.8	2.0	2.4	1.2	1.2	1.9	1.9	3.4	e183
6	5.9	4.2	1.7	1.9	1.8	2.2	1.2	1.2	2.0	2.0	3.4	e103
7	5.0	4.1	1.7	1.7	1.7	2.2	1.2	1.2	2.2	3.1	3.4	24
8	4.4	3.1	1.7	1.6	1.5	2.0	1.2	1.1	2.2	2.7	3.4	15
9	2.9	2.5	1.8	1.7	1.5	2.0	1.2	1.1	2.4	2.5	3.8	11
10	1.8	1.9	1.9	1.7	1.5	1.9	1.2	1.1	2.3	2.4	3.9	8.3
11	1.6	1.6	1.9	1.7	1.6	1.7	1.2	1.2	2.6	2.4	3.6	6.8
12	1.5	1.7	1.6	1.7	1.6	1.7	2.3	1.2	3.1	3.2	3.4	6.4
13	1.5	1.7	1.7	1.7	1.5	1.6	2.5	1.2	3.1	3.5	4.5	5.2
14	1.9	1.5	3.0	1.7	1.6	1.5	1.9	1.2	2.0	3.1	5.8	4.6
15	2.1	1.4	2.3	1.6	1.9	1.5	1.7	1.2	1.8	2.5	7.2	4.3
16	2.3	1.2	2.4	1.6	1.9	1.7	1.5	1.2	1.6	2.4	7.1	3.9
17	2.6	1.2	5.7	1.6	1.7	2.0	1.5	1.2	1.7	2.1	6.9	3.5
18	2.0	1.3	3.1	3.4	1.4	1.8	1.4	1.2	2.0	2.2	6.8	3.2
19	2.0	1.3	2.4	2.8	1.3	1.6	1.2	1.2	2.1	2.5	7.2	2.8
20	2.7	1.3	2.1	2.3	1.2	1.6	1.2	1.1	2.4	3.0	6.6	4.5
21	3.5	1.4	1.6	2.0	1.3	1.5	1.2	1.1	2.4	3.1	5.9	e41
22	3.8	1.2	1.5	1.9	1.4	1.5	1.2	1.1	2.6	2.7	5.8	26
23	3.2	1.1	1.5	1.7	1.5	1.5	1.2	1.2	2.8	2.3	e20	13
24	3.3	1.1	1.5	1.7	1.5	1.5	1.1	1.2	2.7	2.2	e33	8.6
25	3.9	1.1	1.5	1.7	5.8	1.5	1.1	1.4	3.6	2.1	17	8.3
26	4.6	1.1	1.4	1.6	8.1	1.5	1.1	1.3	2.6	1.7	13	e266
27	4.4	1.0	1.2	1.9	5.9	1.4	1.1	1.2	2.3	1.9	11	e55
28	3.3	1.0	1.2	2.1	4.6	1.4	1.1	1.1	1.6	3.0	9.5	20
29	3.1	1.1	1.3	2.0	3.9	1.4	1.1	1.2	1.7	3.2	7.3	13
30	2.7	1.2	1.5	1.8	---	1.3	1.1	1.2	2.1	3.2	6.6	9.6
31	2.9	---	1.5	2.1	---	1.2	---	1.1	---	3.2	5.6	---
TOTAL	158.2	58.6	57.3	57.7	70.5	56.6	39.7	36.5	64.9	77.9	227.5	873.0
MEAN	5.10	1.95	1.85	1.86	2.43	1.83	1.32	1.18	2.16	2.51	7.34	29.1
MAX	29	4.2	5.7	3.4	8.1	3.3	2.5	1.4	3.6	3.5	33	266
MIN	1.5	1.0	1.2	1.6	1.2	1.2	1.1	1.1	1.1	1.7	3.0	2.8

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	5.10	1.95	1.85	1.86	2.43	1.83	1.32	1.18	2.16	2.51	12.9	20.4
MAX	5.10	1.95	1.85	1.86	2.43	1.83	1.32	1.18	2.16	2.51	18.6	29.1
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)
MIN	5.10	1.95	1.85	1.86	2.43	1.83	1.32	1.18	2.16	2.51	7.34	11.6
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 2003 - 2004

ANNUAL TOTAL	1,778.4	
ANNUAL MEAN	4.86	4.86
HIGHEST ANNUAL MEAN		4.86 2004
LOWEST ANNUAL MEAN		4.86 2004
HIGHEST DAILY MEAN	e266 Sep 26	e266 Sep 26, 2004
LOWEST DAILY MEAN	1.0 Nov 27,28	0.80 Jul 16, 2003
ANNUAL SEVEN-DAY MINIMUM	1.1 Nov 23	1.0 Jul 11, 2003
MAXIMUM PEAK STAGE	36.37 Sep 26	36.37 Sep 26, 2004
INSTANTANEOUS LOW FLOW	0.90 Nov 27-29	0.72 Jul 16, 2003
10 PERCENT EXCEEDS	6.7	6.7
50 PERCENT EXCEEDS	1.9	1.9
90 PERCENT EXCEEDS	1.2	1.2

e Estimated

02274005 OTTER CREEK NEAR OKEECHOBEE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	1.7	1.4	1.5	1.7	2.4	3.9	2.0	9.2	25	2.0	3.8
2	6.0	1.7	1.4	1.5	1.7	2.1	3.4	2.3	11	20	2.0	3.6
3	5.9	1.7	1.3	1.5	1.8	2.0	3.3	2.3	13	17	2.1	3.6
4	6.3	1.6	1.2	1.5	1.9	2.4	2.7	2.9	20	12	2.4	3.4
5	6.3	1.5	1.2	1.5	1.8	2.3	2.4	3.0	29	8.4	2.3	3.4
6	5.7	1.5	1.2	1.5	1.7	2.1	2.3	2.9	32	6.6	2.0	3.4
7	4.7	1.5	1.2	1.5	1.7	2.0	2.3	2.7	17	5.6	1.9	3.3
8	4.0	1.5	1.2	1.5	1.7	2.1	2.4	2.5	14	4.6	1.9	3.6
9	3.9	1.5	1.2	1.6	1.6	2.8	2.3	2.4	11	4.8	1.9	3.3
10	3.6	1.4	1.2	1.7	1.5	3.4	2.1	2.4	9.3	5.6	1.8	3.1
11	3.2	1.3	1.2	1.7	1.4	2.4	2.0	2.4	8.2	5.1	1.7	2.9
12	3.2	1.4	1.2	1.5	1.4	2.1	1.7	2.3	7.5	4.5	1.8	2.7
13	3.1	1.5	1.2	1.5	1.4	1.8	1.5	2.1	5.8	4.2	1.2	2.5
14	2.8	1.6	1.3	2.0	1.3	1.6	1.7	2.0	5.0	3.7	2.0	2.4
15	2.5	1.4	1.2	2.4	1.4	1.5	1.7	2.0	4.9	3.3	2.6	2.4
16	2.4	1.2	1.2	2.3	1.4	1.5	1.7	2.0	4.6	3.0	1.9	2.3
17	2.4	1.2	1.4	2.2	1.3	4.2	1.7	2.4	4.3	2.8	1.8	2.3
18	2.2	1.2	1.8	2.0	1.2	5.7	1.6	2.4	4.0	2.5	1.6	2.3
19	2.0	1.3	1.6	1.8	1.4	4.1	1.5	2.4	4.7	2.6	1.5	1.6
20	2.2	1.2	1.5	1.7	1.4	3.4	1.5	2.3	11	2.5	1.5	1.1
21	2.5	1.4	1.5	1.7	1.5	3.3	1.5	2.2	9.3	2.3	1.5	1.6
22	2.2	1.6	1.5	1.7	1.5	5.7	1.5	2.4	7.7	2.2	1.5	1.5
23	2.0	1.4	1.5	1.7	1.5	4.9	1.5	2.5	22	2.2	1.7	1.8
24	2.0	1.3	1.9	1.7	1.5	4.1	1.5	2.6	19	2.2	1.7	1.7
25	2.1	1.3	2.5	1.7	1.6	3.9	1.5	2.3	11	2.2	1.9	1.6
26	2.2	1.4	2.8	1.7	1.7	4.1	1.5	2.5	8.0	2.2	2.6	1.6
27	2.1	1.4	1.6	1.7	3.0	4.0	2.9	2.4	10	2.0	3.1	1.7
28	2.1	1.4	1.5	1.8	3.0	4.4	2.4	2.4	30	2.0	3.1	1.8
29	2.0	1.4	1.5	1.9	---	4.6	2.1	2.3	71	1.9	3.2	1.9
30	1.9	e1.3	1.5	1.8	---	4.9	2.0	2.5	30	2.0	2.9	1.8
31	1.7	---	1.5	1.7	---	4.5	---	3.5	---	2.0	3.1	---
TOTAL	102.8	42.8	45.4	53.5	46.0	100.3	62.1	75.3	443.5	167.0	64.2	74.0
MEAN	3.32	1.43	1.46	1.73	1.64	3.24	2.07	2.43	14.8	5.39	2.07	2.47
MAX	7.6	1.7	2.8	2.4	3.0	5.7	3.9	3.5	71	25	3.2	3.8
MIN	1.7	1.2	1.2	1.5	1.2	1.5	1.5	2.0	4.0	1.9	1.2	1.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	4.21	1.69	1.66	1.79	2.04	2.53	1.70	1.80	8.47	3.95	9.32	14.4
MAX	5.10	1.95	1.85	1.86	2.43	3.24	2.07	2.43	14.8	5.39	18.6	29.1
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2003)	(2004)
MIN	3.32	1.43	1.46	1.73	1.64	1.83	1.32	1.18	2.16	2.51	2.07	2.47
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	1,695.3		1,276.9			
ANNUAL MEAN	4.63		3.50		4.18	
HIGHEST ANNUAL MEAN					4.86	
LOWEST ANNUAL MEAN					3.50	
HIGHEST DAILY MEAN	e266	Sep 26	71	Jun 29	e266	Sep 26, 2004
LOWEST DAILY MEAN	1.1	Many days	1.1	Sep 20	0.80	Jul 16, 2003
ANNUAL SEVEN-DAY MINIMUM	1.1	Apr 24	1.2	Dec 4	1.0	Jul 11, 2003
MAXIMUM PEAK FLOW			104	Jun 29		
MAXIMUM PEAK STAGE			34.76	Jun 29	36.37	Sep 26, 2004
INSTANTANEOUS LOW FLOW			a1.1		0.72	Jul 16, 2003
10 PERCENT EXCEEDS	6.3		5.7		5.9	
50 PERCENT EXCEEDS	1.8		2.0		2.0	
90 PERCENT EXCEEDS	1.2		1.4		1.2	

e Estimated

a Aug 13, 14, Sep 19, 20

02274010 TAYLOR CREEK NEAR OKEECHOBEE, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	520	9.7	8.4	13	32	28	1.2	1.1	1.1	9.5	4.3	54
2	249	9.2	8.5	13	24	26	0.72	0.67	0.55	11	13	51
3	150	12	9.5	12	21	22	1.3	1.1	1.2	9.8	11	41
4	111	14	7.9	14	19	23	0.60	0.57	0.71	5.7	14	103
5	86	19	8.4	12	21	19	1.00	0.75	0.87	3.9	34	780
6	64	39	7.1	10	19	18	1.4	0.79	1.5	3.3	56	e1,490
7	51	60	8.7	9.0	15	14	0.57	0.39	1.7	21	48	981
8	41	49	7.8	9.6	13	11	0.85	1.3	1.5	29	47	648
9	31	42	8.7	9.1	14	13	0.75	1.2	0.99	11	41	572
10	32	33	8.3	6.7	16	11	0.60	1.1	2.0	5.8	40	316
11	30	26	8.3	8.5	13	10	0.43	1.3	2.0	6.7	29	177
12	23	22	8.5	8.9	15	8.0	0.94	1.5	2.9	50	27	130
13	22	17	7.3	8.5	9.7	9.2	1.3	0.90	3.0	25	36	105
14	22	16	9.7	7.6	8.9	9.0	1.1	1.2	6.7	15	81	87
15	16	20	13	7.6	14	6.8	0.95	1.0	18	13	e105	70
16	18	17	16	7.7	14	7.1	-1.2	0.93	19	16	137	64
17	18	16	86	7.6	11	12	-0.48	1.3	3.6	36	e118	65
18	10	17	42	14	12	14	-1.0	0.59	1.7	18	e138	64
19	11	13	26	38	10	12	0.69	1.4	0.63	26	e110	55
20	11	14	15	22	10	11	0.76	3.0	3.8	41	e104	76
21	12	10	15	18	9.5	8.4	1.3	1.5	3.3	41	e89	447
22	11	11	17	16	8.8	6.6	1.7	1.1	7.8	31	e173	671
23	9.1	13	9.9	15	7.1	6.9	2.6	1.0	22	20	e155	436
24	11	12	9.7	15	8.2	5.7	1.6	1.2	5.3	20	e177	205
25	11	11	9.9	14	66	6.7	2.1	1.2	7.0	9.7	e162	137
26	11	10	13	14	121	5.8	2.3	0.98	4.3	6.8	e119	1,030
27	10	11	10	14	69	6.0	1.5	1.2	3.7	4.5	e69	1,200
28	8.1	10	3.1	13	42	4.1	1.2	1.1	3.9	6.0	e40	812
29	9.3	6.9	15	14	31	4.3	1.4	1.2	7.4	5.8	e33	661
30	10	8.9	14	14	---	3.5	0.48	0.94	16	4.0	e84	483
31	11	---	15	14	---	3.3	---	0.67	---	4.1	58	---
TOTAL	1,629.5	568.7	446.7	399.8	674.2	345.4	28.66	34.18	154.15	509.6	2,352.3	12,011
MEAN	52.6	19.0	14.4	12.9	23.2	11.1	0.96	1.10	5.14	16.4	75.9	251
MAX	520	60	86	38	121	28	2.6	3.0	22	50	177	400
MIN	8.1	6.9	3.1	6.7	7.1	3.3	-1.2	0.39	0.55	3.3	4.3	41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	52.6	19.0	14.4	12.9	23.2	11.1	0.96	1.10	5.14	16.4	75.9	251
MAX	52.6	19.0	14.4	12.9	23.2	11.1	0.96	1.10	5.14	16.4	75.9	400
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	52.6	19.0	14.4	12.9	23.2	11.1	0.96	1.10	5.14	16.4	75.9	102
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)

SUMMARY STATISTICS

	FOR 2004 WATER YEAR	WATER YEARS 2003 - 2004
ANNUAL TOTAL	19,154.19	
ANNUAL MEAN	52.3	52.3
HIGHEST ANNUAL MEAN		52.3
LOWEST ANNUAL MEAN		52.3
HIGHEST DAILY MEAN	e1,490	e1,490
LOWEST DAILY MEAN	-1.2	-1.2
ANNUAL SEVEN-DAY MINIMUM	0.12	0.12
MAXIMUM PEAK STAGE	28.82	28.82
10 PERCENT EXCEEDS	93	93
50 PERCENT EXCEEDS	11	11
90 PERCENT EXCEEDS	1.1	1.1

e Estimated

Note.--Negative figures indicate reverse flow

02274010 TAYLOR CREEK NEAR OKEECHOBEE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	258	17	9.9	e12	7.4	4.9	15	5.2	135	847	14	30
2	173	14	9.2	e13	6.8	3.0	13	3.8	268	729	14	47
3	131	13	7.4	e14	9.6	3.1	9.7	7.0	282	488	13	16
4	104	14	6.9	e14	7.3	4.3	11	13	525	324	12	12
5	86	11	8.0	16	6.1	4.6	12	19	471	220	13	14
6	71	7.9	10	15	6.3	2.5	13	14	484	149	13	12
7	62	8.6	11	15	7.2	7.5	7.3	12	294	114	12	12
8	53	8.5	8.3	12	7.1	9.8	8.9	13	149	91	11	11
9	50	8.0	7.9	9.3	8.5	8.5	6.5	9.7	85	87	11	10
10	45	11	8.7	8.9	7.1	23	4.7	8.3	68	264	11	15
11	39	12	7.5	11	4.9	13	7.0	8.6	70	174	11	11
12	36	11	7.7	10	6.7	5.2	8.9	6.7	144	108	9.5	11
13	32	10	8.1	10	5.9	5.5	6.4	6.2	210	100	9.4	9.7
14	29	9.5	5.7	13	6.9	5.7	6.4	6.1	99	77	10	8.5
15	29	9.5	5.3	18	7.0	6.4	4.2	5.7	69	60	25	8.9
16	21	8.0	6.2	12	6.0	6.5	3.7	5.6	52	48	21	8.8
17	21	8.4	6.2	10	5.1	54	3.8	4.8	42	41	24	6.9
18	21	9.7	6.3	9.9	3.3	88	3.3	3.1	27	38	24	7.7
19	20	10	6.3	8.2	4.8	45	4.7	4.5	43	31	18	7.5
20	22	9.7	6.1	11	6.5	31	4.8	2.8	414	26	18	7.8
21	32	10	9.7	9.0	5.2	31	4.6	1.6	223	23	16	11
22	19	9.5	13	13	5.4	61	4.2	0.63	125	22	15	11
23	16	11	13	9.9	4.5	35	3.9	1.2	307	21	12	11
24	17	9.2	9.0	7.9	3.7	24	3.7	0.99	524	21	9.4	11
25	15	6.7	14	8.6	3.8	24	3.0	0.73	286	24	8.6	11
26	14	7.4	e21	8.0	2.4	22	3.5	2.2	164	21	19	10
27	13	10	e15	8.8	14	20	6.2	2.3	188	20	23	9.0
28	11	6.7	e14	10	9.1	22	7.4	1.8	390	17	21	8.5
29	13	7.9	e13	13	---	20	9.4	1.5	715	15	19	18
30	17	10	e12	12	---	13	7.1	1.7	650	14	18	18
31	16	---	e13	7.1	---	14	---	5.5	---	14	14	---
TOTAL	1,486	299.2	299.4	349.6	178.6	617.5	207.3	179.25	7,503	4,228	468.9	385.3
MEAN	47.9	9.97	9.66	11.3	6.38	19.9	6.91	5.78	250	136	15.1	12.8
MAX	258	17	21	18	14	88	15	19	715	847	25	47
MIN	11	6.7	5.3	7.1	2.4	2.5	3.0	0.63	27	14	8.6	6.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	50.3	14.5	12.0	12.1	15.0	15.5	3.93	3.44	128	76.4	45.5	172
MAX	52.6	19.0	14.4	12.9	23.2	19.9	6.91	5.78	250	136	75.9	400
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	47.9	9.97	9.66	11.3	6.38	11.1	0.96	1.10	5.14	16.4	15.1	12.8
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	18,593.89			16,202.05			48.4		
ANNUAL MEAN	50.8			44.4			48.4		
HIGHEST ANNUAL MEAN							52.3		
LOWEST ANNUAL MEAN							44.4		
HIGHEST DAILY MEAN	e1,490			847			e1,490		
LOWEST DAILY MEAN	-1.2			0.63			-1.2		
ANNUAL SEVEN-DAY MINIMUM	0.12			1.4			0.12		
MAXIMUM PEAK STAGE				26.97			28.82		
10 PERCENT EXCEEDS	93			99			97		
50 PERCENT EXCEEDS	11			11			11		
90 PERCENT EXCEEDS	1.1			4.8			1.7		

e Estimated

Note.--Negative figures indicate reverse flow

TAYLOR CREEK BASIN AND INFLOW TO LAKE OKEECHOBEE FROM NORTH
 02274325 TAYLOR CREEK AT GRASSY ISLAND NEAR OKEECHOBEE, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	382	7.3	6.4	14	-0.57	5.8	8.1	8.9	148	906	25	30
2	255	9.1	3.0	13	3.7	12	16	4.3	311	919	32	67
3	186	9.0	10	16	12	3.2	16	11	320	634	12	19
4	146	15	0.88	3.9	3.2	11	8.4	15	611	445	13	7.9
5	125	9.1	0.44	12	5.9	6.8	22	27	560	309	18	17
6	101	-0.26	2.0	10	1.5	6.0	4.2	14	960	210	3.0	16
7	78	-0.76	3.8	14	9.6	13	0.08	14	816	158	17	9.3
8	67	e6.1	8.1	8.7	-0.24	8.1	16	8.8	414	115	8.5	17
9	59	14	-0.28	7.4	7.8	17	11	10	245	119	13	8.7
10	52	6.7	-1.1	5.1	1.5	30	3.8	15	173	389	11	4.9
11	40	7.9	6.1	-1.0	5.5	20	16	16	161	290	11	-0.49
12	39	7.9	0.89	5.9	-0.59	18	7.1	12	213	173	12	9.6
13	36	3.4	3.9	7.0	3.6	19	5.2	7.0	322	151	6.5	-0.39
14	30	3.6	4.7	2.0	4.6	12	3.7	6.8	165	117	13	2.9
15	26	11	8.6	20	8.0	12	-1.3	6.9	108	79	22	2.2
16	21	4.8	-2.0	2.3	11	13	12	8.5	80	67	20	3.0
17	27	-1.3	6.7	11	-2.3	60	5.1	8.2	69	51	23	-1.3
18	22	4.8	4.2	-1.1	2.0	116	2.4	3.5	51	47	31	-1.2
19	25	3.5	5.9	5.8	3.0	72	10	2.0	58	36	18	-2.9
20	24	14	3.6	5.3	0.48	36	4.4	1.5	516	36	12	8.7
21	34	8.3	-0.71	17	5.9	44	5.6	1.8	339	28	14	5.6
22	14	12	4.9	15	5.0	81	4.5	1.2	183	28	12	11
23	15	2.4	5.4	8.9	5.8	52	5.9	6.7	299	27	11	7.3
24	17	0.95	13	5.5	5.0	34	2.2	2.9	618	25	14	13
25	8.7	-2.8	32	2.7	4.8	37	0.81	2.0	364	25	8.7	5.5
26	12	-4.7	30	2.1	-1.5	31	1.6	1.9	215	22	18	6.5
27	3.9	8.0	20	-0.14	20	27	7.6	3.8	244	20	20	16
28	11	7.9	15	1.9	16	28	14	5.5	530	20	11	7.5
29	14	-0.86	10	8.6	---	23	8.6	3.0	765	20	15	14
30	12	-1.7	9.2	9.5	---	25	2.9	3.4	728	8.9	15	22
31	12	---	14	0.73	---	25	---	12	---	15	11	---
TOTAL	1,894.6	164.37	228.62	233.09	140.68	897.9	223.89	244.6	10,586	5,489.9	470.7	325.32
MEAN	61.1	5.48	7.37	7.52	5.02	29.0	7.46	7.89	353	177	15.2	10.8
MAX	382	15	32	20	20	116	22	27	960	919	32	67
MIN	3.9	-4.7	-2.0	-1.1	-2.3	3.2	-1.3	1.2	51	8.9	3.0	-2.9

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	61.1	5.48	7.37	7.52	5.02	29.0	7.46	7.89	353	177	15.2	292
MAX	61.1	5.48	7.37	7.52	5.02	29.0	7.46	7.89	353	177	15.2	573
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)
MIN	61.1	5.48	7.37	7.52	5.02	29.0	7.46	7.89	353	177	15.2	10.8
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)

SUMMARY STATISTICS

	FOR 2005 WATER YEAR		WATER YEARS 2004 - 2005	
ANNUAL TOTAL	20,899.67			
ANNUAL MEAN	57.3		57.3	
HIGHEST ANNUAL MEAN			57.3	
LOWEST ANNUAL MEAN			57.3	
HIGHEST DAILY MEAN	960	Jun 6	1,870	Sep 6, 2004
LOWEST DAILY MEAN	-4.7	Nov 26	-4.7	Nov 26, 2004
ANNUAL SEVEN-DAY MINIMUM	0.33	Sep 13	0.33	Sep 13, 2005
MAXIMUM PEAK STAGE	22.04	Jun 6	24.90	Sep 6, 2004
10 PERCENT EXCEEDS	159		159	
50 PERCENT EXCEEDS	11		11	
90 PERCENT EXCEEDS	1.5		1.5	

e Estimated

Note.--Negative figures indicate reverse flow

02274490 WILLIAMSON DITCH NEAR OKEECHOBEE, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	245	2.5	3.7	5.0	10	18	2.3	1.8	0.00	8.3	10	51
2	172	2.5	4.0	5.0	11	14	2.3	1.9	0.00	7.0	48	53
3	101	3.9	4.1	5.2	11	11	2.3	2.5	0.00	5.8	47	41
4	59	4.8	4.1	5.2	9.3	9.8	2.3	2.5	0.00	4.5	46	137
5	40	6.2	4.3	5.1	8.0	8.6	2.3	1.9	0.00	3.5	91	398
6	32	14	4.5	4.9	7.1	7.7	2.4	1.8	0.00	3.2	212	552
7	26	26	4.3	4.7	6.8	6.6	2.3	1.8	0.00	11	197	595
8	20	25	4.5	4.6	6.1	5.8	2.3	1.7	1.5	8.9	136	546
9	16	21	4.5	4.8	5.8	5.2	2.1	1.7	1.7	4.9	92	503
10	13	15	4.5	4.7	5.5	4.9	2.2	1.6	1.4	3.0	63	462
11	11	11	4.9	4.6	5.5	4.7	2.3	1.6	2.2	3.1	73	416
12	9.9	9.1	4.8	4.6	5.3	4.6	3.7	1.5	2.4	11	58	357
13	11	7.2	4.8	4.7	5.1	4.4	3.2	1.4	6.0	14	85	284
14	10	6.1	7.9	4.8	5.0	4.3	3.2	1.4	9.4	11	93	238
15	9.3	5.1	9.7	4.6	5.4	4.2	3.1	1.2	8.0	7.0	110	198
16	7.4	4.7	7.8	4.6	5.3	4.3	3.1	1.2	8.3	6.0	101	132
17	5.8	4.5	12	4.7	5.2	4.6	3.0	1.1	3.5	28	98	89
18	5.5	4.3	12	7.3	5.1	4.4	2.8	1.0	3.0	24	122	68
19	5.1	4.2	11	11	4.8	4.1	2.8	1.1	3.0	16	93	47
20	5.1	4.4	8.7	9.9	4.6	3.9	2.6	1.2	8.6	17	90	48
21	4.5	4.1	7.6	8.8	4.6	3.8	2.6	1.1	6.4	26	72	264
22	3.8	4.1	7.1	7.8	4.6	3.5	2.5	1.0	40	24	175	372
23	3.7	4.2	6.9	7.3	4.5	3.0	2.4	0.93	32	15	145	358
24	3.5	3.9	6.9	7.0	4.4	2.9	2.2	0.74	23	8.9	176	308
25	3.4	3.9	6.6	6.6	28	2.9	2.2	0.39	58	5.8	155	254
26	3.2	3.8	6.2	6.0	61	2.8	2.1	0.47	31	4.8	102	508
27	3.0	3.7	5.8	5.9	44	2.8	2.1	1.3	19	8.0	61	597
28	2.9	3.6	5.6	5.7	32	2.6	2.0	0.90	11	7.7	41	591
29	2.9	3.5	5.5	5.5	25	2.5	2.0	0.60	9.3	5.9	34	543
30	2.7	3.5	5.3	5.9	---	2.5	1.9	0.17	8.9	4.5	95	487
31	2.5	---	5.2	7.1	---	2.4	---	0.00	---	3.8	62	---
TOTAL	840.2	219.8	194.8	183.6	340.0	166.8	74.6	39.50	297.60	311.6	2,983	9,497
MEAN	27.1	7.33	6.28	5.92	11.7	5.38	2.49	1.27	9.92	10.1	96.2	317
MAX	245	26	12	11	61	18	3.7	2.5	58	28	212	597
MIN	2.5	2.5	3.7	4.6	4.4	2.4	1.9	0.00	0.00	3.0	10	41
CFSM	0.86	0.23	0.20	0.19	0.37	0.17	0.08	0.04	0.32	0.32	3.06	10.1
IN.	1.00	0.26	0.23	0.22	0.40	0.20	0.09	0.05	0.35	0.37	3.53	11.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	27.1	7.33	6.28	5.92	11.7	5.38	2.49	1.27	9.92	10.1	96.2	317
MAX	27.1	7.33	6.28	5.92	11.7	5.38	2.49	1.27	9.92	10.1	96.2	317
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	27.1	7.33	6.28	5.92	11.7	5.38	2.49	1.27	9.92	10.1	96.2	317
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

WATER YEARS 2003 - 2004

ANNUAL TOTAL	15,148.50	
ANNUAL MEAN	41.4	41.4
HIGHEST ANNUAL MEAN		41.4
LOWEST ANNUAL MEAN		41.4
HIGHEST DAILY MEAN	597	597
LOWEST DAILY MEAN	0.00	a0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	0.00
MAXIMUM PEAK FLOW	618	618
MAXIMUM PEAK STAGE	24.52	24.52
ANNUAL RUNOFF (CFSM)	1.32	1.32
ANNUAL RUNOFF (INCHES)	17.95	17.91
10 PERCENT EXCEEDS	101	101
50 PERCENT EXCEEDS	5.3	5.3
90 PERCENT EXCEEDS	1.8	1.8

a May 31, Jun 7, 2004

02274490 WILLIAMSON DITCH NEAR OKEECHOBEE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	433	4.1	3.1	3.8	2.4	8.5	6.3	2.0	61	352	12	15
2	379	4.0	3.1	3.6	2.5	6.1	5.7	2.1	104	311	26	15
3	308	3.9	3.2	3.3	2.6	4.9	5.6	2.4	111	234	14	14
4	234	4.0	3.1	3.2	2.4	8.2	4.8	4.2	195	187	10	12
5	163	3.7	3.2	3.3	2.3	8.0	4.3	4.3	165	138	29	12
6	100	3.4	3.4	4.2	2.1	6.1	3.9	3.5	208	96	24	20
7	65	3.3	3.5	4.1	2.2	4.9	3.6	2.9	189	66	19	19
8	46	3.3	3.5	3.2	2.4	4.7	3.9	2.5	129	48	16	16
9	36	3.1	3.3	3.1	2.3	9.5	3.7	2.4	87	42	13	14
10	29	3.2	3.3	2.9	2.1	26	3.3	2.3	59	39	11	12
11	26	3.7	3.2	2.7	2.0	17	3.1	1.9	52	32	9.1	11
12	24	3.6	3.1	2.7	2.0	11	2.9	1.6	46	26	8.2	9.4
13	20	3.5	3.2	2.4	1.9	8.2	2.6	1.5	44	23	8.1	8.2
14	17	4.1	3.1	3.3	1.8	6.1	2.5	1.6	33	18	8.1	7.5
15	14	4.3	3.0	5.2	2.1	5.2	2.4	1.7	25	15	23	6.8
16	11	3.9	2.9	5.7	2.0	4.8	2.3	1.6	22	15	29	6.6
17	8.9	4.0	3.0	5.2	2.0	30	2.1	1.6	29	13	25	6.4
18	7.9	4.0	4.2	4.5	2.0	73	2.1	1.6	21	11	19	6.2
19	7.6	3.7	3.8	4.0	2.0	42	2.1	1.9	20	9.4	17	5.7
20	7.7	3.5	3.6	3.8	2.0	30	2.2	2.7	249	8.5	13	6.4
21	9.9	3.1	3.5	3.5	1.9	22	2.0	1.9	282	7.8	9.5	8.6
22	8.9	3.1	3.9	3.4	1.9	31	1.9	1.7	214	6.1	8.2	8.9
23	7.3	2.9	3.7	3.3	2.0	31	1.9	1.6	194	5.5	9.2	9.1
24	6.4	3.1	4.1	3.3	1.9	25	1.8	1.5	271	9.5	11	9.3
25	6.0	3.2	4.2	3.0	3.0	19	1.7	1.7	242	21	9.5	8.2
26	5.6	3.1	7.0	3.0	4.0	14	1.8	2.2	162	15	11	7.3
27	4.5	3.2	5.0	3.0	9.9	11	4.4	2.1	113	10	17	9.5
28	4.2	3.4	4.7	3.0	16	11	3.5	2.1	153	8.5	18	9.2
29	4.1	3.4	4.5	3.1	---	12	2.4	2.1	298	7.6	20	24
30	4.0	3.2	4.2	2.9	---	9.2	2.1	5.3	328	7.4	21	25
31	4.2	---	4.2	2.6	---	7.7	---	19	---	8.1	17	---
TOTAL	2,002.2	106.0	114.8	108.3	83.7	507.1	92.9	87.5	4,106	1,790.4	484.9	342.3
MEAN	64.6	3.53	3.70	3.49	2.99	16.4	3.10	2.82	137	57.8	15.6	11.4
MAX	433	4.3	7.0	5.7	16	73	6.3	19	328	352	29	25
MIN	4.0	2.9	2.9	2.4	1.8	4.7	1.7	1.5	20	5.5	8.1	5.7
CFSM	2.06	0.11	0.12	0.11	0.10	0.52	0.10	0.09	4.36	1.84	0.50	0.36
IN.	2.37	0.13	0.14	0.13	0.10	0.60	0.11	0.10	4.86	2.12	0.57	0.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	45.8	5.43	4.99	4.71	7.43	10.9	2.79	2.05	73.4	33.9	55.9	164
MAX	64.6	7.33	6.28	5.92	11.7	16.4	3.10	2.82	137	57.8	96.2	317
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	27.1	3.53	3.70	3.49	2.99	5.38	2.49	1.27	9.92	10.1	15.6	11.4
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	16,116.70	9,826.1	
ANNUAL MEAN	44.0	26.9	34.2
HIGHEST ANNUAL MEAN			41.4
LOWEST ANNUAL MEAN			26.9
HIGHEST DAILY MEAN	597	Sep 27	597
LOWEST DAILY MEAN	0.00	May 31-Jun 7	a0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	May 31	0.00
MAXIMUM PEAK FLOW		362	618
MAXIMUM PEAK STAGE		22.57	24.52
INSTANTANEOUS LOW FLOW		1.3	0.43
ANNUAL RUNOFF (CFSM)	1.40	0.857	1.09
ANNUAL RUNOFF (INCHES)	19.09	11.64	14.78
10 PERCENT EXCEEDS	114	55	91
50 PERCENT EXCEEDS	4.8	5.3	5.3
90 PERCENT EXCEEDS	1.8	2.1	2.0

a May 31, Jun 7, 2004

02274505 WOLFF CREEK NEAR OKEECHOBEE, FL

LOCATION.--Lat 27° 16'50", long 80° 49'27", in NW 1/4 sec.3, T.37 S., R.35 E., Okeechobee County, Hydrologic Unit 03090102, on right bank on upstream side of weir, 1,500 ft downstream from Cemetery Road, 2.3 mi north of Okeechobee, and 4 mi upstream from Lake Okeechobee.

DRAINAGE AREA.--5.74 mi².

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder, steel sheet-pile weir, and data-collection platform. Datum of gage is at NAVD of 1988 (U.S. Army Corp of Engineers bench mark).

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	0.31	0.39	0.73	1.0	3.3	0.13	0.00	0.00	1.0	0.89	6.4
2	26	0.14	0.39	0.77	1.1	2.7	0.09	0.08	0.00	1.0	1.1	7.4
3	21	0.51	0.33	0.71	0.93	2.1	0.13	0.22	0.00	1.3	1.3	8.3
4	16	0.45	0.31	0.68	0.84	1.9	0.13	0.34	0.00	1.2	1.2	14
5	11	0.48	0.38	0.64	0.73	1.5	0.10	0.16	0.00	1.3	1.4	106
6	7.7	1.1	0.37	0.68	0.67	1.2	0.15	0.05	0.00	1.4	1.7	125
7	6.0	4.0	0.23	0.70	0.68	1.1	0.15	0.00	0.00	1.5	1.9	85
8	4.7	4.8	0.25	0.61	0.58	0.98	0.17	0.00	0.36	1.3	1.5	67
9	3.9	3.5	0.39	0.57	0.24	0.90	0.08	0.00	0.46	0.91	1.6	59
10	3.4	2.9	0.52	0.56	0.00	0.84	0.14	0.00	0.20	0.75	2.2	54
11	2.7	1.9	0.50	0.59	0.00	0.74	0.07	0.00	0.20	0.80	2.0	45
12	2.0	1.5	0.38	0.53	1.2	0.68	0.39	0.00	0.51	0.90	1.9	38
13	1.7	1.3	0.28	0.53	0.78	0.68	0.43	0.00	0.41	0.79	2.3	33
14	1.5	1.3	0.54	0.52	0.40	0.68	0.32	0.00	0.35	0.67	2.0	28
15	1.3	0.95	0.98	0.44	0.51	0.68	0.22	0.00	0.38	0.57	3.3	23
16	1.1	0.71	1.0	0.46	0.51	0.68	0.13	0.00	0.34	0.53	3.6	21
17	0.99	0.86	1.9	0.51	0.51	0.71	0.07	0.00	0.26	0.51	3.1	26
18	0.79	0.76	3.9	0.83	0.51	0.65	0.05	0.00	0.34	0.54	2.8	21
19	0.57	0.74	3.3	1.0	0.46	0.56	0.00	0.00	0.40	0.51	2.4	16
20	0.59	0.72	2.4	1.1	0.43	0.46	0.00	0.00	0.87	0.61	2.3	18
21	0.54	0.65	1.9	1.1	0.36	0.43	0.00	0.00	1.1	0.75	2.0	125
22	0.63	0.60	1.6	0.97	0.42	0.42	0.00	0.00	1.5	0.73	2.2	100
23	0.42	0.43	1.3	0.87	0.49	0.39	0.00	0.00	1.4	0.62	3.3	62
24	0.44	0.49	1.2	0.77	0.30	0.34	0.00	0.00	1.4	0.52	3.1	50
25	0.36	0.55	1.2	0.68	1.4	0.34	0.00	0.00	1.2	0.51	2.6	46
26	0.34	0.55	1.0	0.62	8.2	0.34	0.00	0.00	1.1	0.47	7.7	261
27	0.30	0.36	1.0	0.68	8.4	0.29	0.01	0.00	1.0	0.52	8.6	145
28	0.29	0.47	0.91	0.68	5.6	0.27	0.07	0.00	0.90	0.69	6.3	97
29	0.51	0.41	0.85	0.68	4.1	0.26	0.00	0.00	1.1	0.56	4.2	78
30	0.52	0.23	0.80	0.70	---	0.24	0.00	0.00	1.0	0.55	5.4	66
31	0.39	---	0.74	0.85	---	0.23	---	0.00	---	0.67	6.1	---
TOTAL	148.68	33.67	31.24	21.76	41.35	26.59	3.03	0.85	16.78	24.68	91.99	1,831.1
MEAN	4.80	1.12	1.01	0.70	1.43	0.86	0.10	0.03	0.56	0.80	2.97	61.0
MAX	31	4.8	3.9	1.1	8.4	3.3	0.43	0.34	1.5	1.5	8.6	261
MIN	0.29	0.14	0.23	0.44	0.00	0.23	0.00	0.00	0.00	0.47	0.89	6.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

MEAN	4.80	1.12	1.01	0.70	1.43	0.86	0.10	0.03	0.56	0.80	2.97	61.0
MAX	4.80	1.12	1.01	0.70	1.43	0.86	0.10	0.03	0.56	0.80	2.97	61.0
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	4.80	1.12	1.01	0.70	1.43	0.86	0.10	0.03	0.56	0.80	2.97	61.0
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

ANNUAL TOTAL	2,271.72
ANNUAL MEAN	6.21
HIGHEST DAILY MEAN	261
LOWEST DAILY MEAN	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00
MAXIMUM PEAK FLOW	456
MAXIMUM PEAK STAGE	24.14
10 PERCENT EXCEEDS	7.8
50 PERCENT EXCEEDS	0.68
90 PERCENT EXCEEDS	0.00

Sep 26
Many days
Apr 19
Sep 26
Sep 26

02274505 WOLFF CREEK NEAR OKEECHOBEE, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	1.0	0.33	0.68	0.17	0.88	1.1	0.05	16	82	2.0	1.6
2	44	1.0	0.16	0.68	0.05	0.55	1.1	0.15	32	57	2.7	1.7
3	36	0.92	0.17	0.68	0.11	0.46	1.1	0.21	41	46	2.2	1.7
4	31	0.85	0.15	0.68	0.12	0.63	0.96	0.93	61	42	2.2	1.7
5	25	0.85	0.17	0.60	0.02	0.75	0.83	0.91	49	33	2.7	1.7
6	20	0.82	0.21	0.50	0.13	0.67	0.78	1.0	57	25	3.0	1.8
7	17	0.68	0.19	0.40	0.10	0.53	0.85	0.80	54	18	2.6	1.8
8	14	0.66	0.22	0.34	0.03	0.50	0.85	0.45	50	11	2.2	1.7
9	11	0.57	0.21	0.34	0.03	1.1	0.85	0.23	44	10	1.8	1.7
10	8.1	0.56	0.24	0.34	0.15	3.2	0.85	0.12	37	42	1.6	1.6
11	6.8	0.51	0.36	0.12	0.14	3.1	0.85	0.05	35	35	1.4	1.6
12	6.7	0.51	0.24	0.06	0.14	1.8	0.85	0.03	32	30	1.3	1.6
13	6.2	0.51	0.13	0.00	0.00	1.3	0.54	0.00	27	27	1.4	1.5
14	5.3	0.64	0.17	0.49	0.02	1.1	0.39	0.00	21	25	1.4	1.1
15	4.5	0.52	0.11	0.38	0.00	0.93	0.36	0.00	14	22	1.4	1.1
16	4.0	0.50	0.15	0.33	0.00	0.83	0.43	0.00	11	17	1.4	1.1
17	3.6	0.51	0.20	0.32	0.00	4.8	0.42	0.00	20	13	1.6	1.2
18	3.3	0.51	0.34	0.18	0.00	18	0.39	0.00	15	9.7	1.8	1.2
19	3.0	0.51	0.24	0.17	0.00	10	0.40	0.00	12	7.5	1.6	1.2
20	2.8	0.50	0.11	0.17	0.00	5.4	0.39	0.00	105	5.9	1.4	1.4
21	3.3	0.47	0.00	0.17	0.00	3.7	0.34	0.00	70	5.0	1.4	1.6
22	3.2	0.45	0.00	0.17	0.00	3.6	0.29	0.00	40	4.6	1.2	1.6
23	2.8	0.45	0.00	0.20	0.00	3.8	0.29	0.00	38	4.2	1.4	1.4
24	2.4	0.35	0.00	0.17	0.00	3.3	0.32	0.00	38	3.8	1.5	1.4
25	1.9	0.35	0.29	0.17	0.35	2.8	0.31	0.00	29	3.6	1.4	1.2
26	1.6	0.42	0.85	0.17	0.41	2.2	0.22	0.00	21	3.3	1.6	1.3
27	1.6	0.50	0.85	0.17	0.73	1.7	0.49	0.01	17	2.9	2.5	1.2
28	1.4	0.52	0.85	0.27	1.4	1.7	0.14	0.00	33	2.4	3.0	1.4
29	1.4	0.52	0.85	0.27	---	1.9	0.08	0.00	57	2.1	2.6	1.5
30	1.3	0.40	0.85	0.26	---	1.6	0.05	0.16	58	1.9	2.0	1.5
31	1.2	---	0.75	0.23	---	1.2	---	1.9	---	1.8	1.6	---
TOTAL	328.4	17.56	9.39	9.71	4.10	84.03	16.82	7.00	1,134	593.7	57.9	44.1
MEAN	10.6	0.59	0.30	0.31	0.15	2.71	0.56	0.23	37.8	19.2	1.87	1.47
MAX	54	1.0	0.85	0.68	1.4	18	1.1	1.9	105	82	3.0	1.8
MIN	1.2	0.35	0.00	0.00	0.00	0.46	0.05	0.00	11	1.8	1.2	1.1

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MEAN	7.69	0.85	0.66	0.51	0.80	1.78	0.33	0.13	19.2	9.97	2.42	31.3
MAX	10.6	1.12	1.01	0.70	1.43	2.71	0.56	0.23	37.8	19.2	2.97	61.0
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)
MIN	4.80	0.59	0.30	0.31	0.15	0.86	0.10	0.03	0.56	0.80	1.87	1.47
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2004 - 2005

ANNUAL TOTAL	2,413.48	2,306.71		
ANNUAL MEAN	6.59	6.32	6.26	
HIGHEST ANNUAL MEAN			6.32	2005
LOWEST ANNUAL MEAN			6.21	2004
HIGHEST DAILY MEAN	261	Sep 26	261	Sep 26, 2004
LOWEST DAILY MEAN	0.00	Many days	0.00	Many days
ANNUAL SEVEN-DAY MINIMUM	0.00	Apr 19	0.00	Many days
MAXIMUM PEAK FLOW			204	Jun 20
MAXIMUM PEAK STAGE			22.92	Jun 20
10 PERCENT EXCEEDS	9.3		25	
50 PERCENT EXCEEDS	0.67		0.96	
90 PERCENT EXCEEDS	0.00		0.03	

02275197 MOSQUITO CREEK NEAR OKEECHOBEE, FL

LOCATION.--Lat 27° 14'13", long 80° 46'51", in NE 1/4 sec.24, T.37 S., R.35 E., Okeechobee County, Hydrologic Unit 03090102, near center of span on upstream side of bridge on State Highway 710, 3.2 mi northeast of Okeechobee, and 2.2 mi upstream from mouth.

DRAINAGE AREA.--9.4 mi².

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NAVD of 1988 (U.S. Army Corp of Engineers bench mark).

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	2.3	2.1	3.0	5.6	6.8	0.00	0.00	0.00	6.7	1.4	53
2	51	2.1	1.9	2.7	6.7	5.9	0.00	0.00	0.00	5.4	2.9	57
3	40	5.7	1.8	2.7	6.0	5.2	0.00	0.00	0.00	4.5	4.3	43
4	32	7.5	1.8	2.6	5.1	4.7	0.00	0.00	0.00	3.5	7.4	118
5	26	8.4	2.0	2.5	4.5	4.2	0.00	0.00	0.00	2.8	10	393
6	20	20	2.4	2.3	3.9	3.7	0.00	0.00	0.00	2.1	14	475
7	16	29	2.3	2.1	3.6	3.2	0.00	0.00	0.00	1.9	16	397
8	14	25	2.2	2.1	3.1	2.7	0.00	0.00	0.00	1.8	16	330
9	12	20	2.7	2.1	2.9	2.1	0.00	0.00	0.00	1.4	17	265
10	10	15	2.7	2.1	2.7	1.9	0.00	0.00	0.00	1.2	15	234
11	8.6	13	2.7	1.9	2.4	1.7	0.00	0.00	0.00	1.4	18	197
12	7.3	11	2.3	1.8	2.1	1.5	0.09	0.00	0.00	1.6	15	159
13	6.7	9.0	2.1	1.5	2.0	1.2	1.2	0.00	0.00	1.1	15	122
14	6.1	7.6	4.2	1.5	2.0	0.94	1.2	0.00	0.00	0.52	19	90
15	5.5	6.7	8.8	1.5	2.5	0.77	0.77	0.00	2.2	0.10	32	70
16	5.0	5.9	8.2	1.5	2.3	1.0	0.35	0.00	1.4	0.69	36	58
17	4.4	5.4	10	1.4	2.1	1.4	0.03	0.00	0.49	3.3	71	64
18	4.2	4.8	12	3.1	1.9	1.1	0.00	0.00	0.01	4.5	64	53
19	3.8	4.7	10	5.7	1.7	0.64	0.00	0.00	0.17	5.1	55	45
20	3.6	4.7	8.3	5.5	1.6	0.33	0.00	0.00	15	5.5	49	41
21	3.4	4.3	6.7	4.5	1.6	0.11	0.00	0.00	12	5.4	41	178
22	2.9	3.8	6.1	4.0	1.4	0.00	0.00	0.00	29	4.6	35	287
23	2.6	3.6	5.9	3.4	1.3	0.00	0.00	0.00	24	3.2	29	267
24	2.4	3.3	5.8	2.8	1.2	0.00	0.00	0.00	15	2.3	28	223
25	2.2	3.0	5.3	2.7	6.4	0.00	0.00	0.00	28	1.7	29	184
26	2.2	2.7	4.8	2.6	17	0.00	0.00	0.00	28	1.4	25	476
27	2.0	2.4	4.5	2.6	18	0.00	0.00	0.00	17	2.0	22	445
28	2.0	2.3	4.1	2.3	13	0.00	0.00	0.00	11	2.0	20	353
29	2.9	2.1	3.7	2.0	8.8	0.00	0.00	0.00	9.6	2.4	21	282
30	2.8	2.1	3.5	2.1	---	0.00	0.00	0.00	8.5	1.7	36	229
31	2.7	---	3.2	3.1	---	0.00	---	0.00	---	1.1	37	---
TOTAL	366.3	237.4	144.1	81.7	133.4	51.09	3.64	0.00	201.37	82.91	801.0	6,188
MEAN	11.8	7.91	4.65	2.64	4.60	1.65	0.12	0.00	6.71	2.67	25.8	206
MAX	62	29	12	5.7	18	6.8	1.2	0.00	29	6.7	71	476
MIN	2.0	2.1	1.8	1.4	1.2	0.00	0.00	0.00	0.00	0.10	1.4	41
CFSM	1.26	0.84	0.49	0.28	0.49	0.18	0.01	0.00	0.71	0.28	2.75	21.9
IN.	1.45	0.94	0.57	0.32	0.53	0.20	0.01	0.00	0.80	0.33	3.17	24.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	11.8	7.91	4.65	2.64	4.60	1.65	0.12	0.00	6.71	2.67	25.8	206
MAX	11.8	7.91	4.65	2.64	4.60	1.65	0.12	0.00	6.71	2.67	25.8	206
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	11.8	7.91	4.65	2.64	4.60	1.65	0.12	0.00	6.71	2.67	25.8	206
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

ANNUAL TOTAL	8,290.91
ANNUAL MEAN	22.7
HIGHEST ANNUAL MEAN	
LOWEST ANNUAL MEAN	
HIGHEST DAILY MEAN	476 Sep 26
LOWEST DAILY MEAN	0.00 Many days
ANNUAL SEVEN-DAY MINIMUM	0.00 Mar 22
MAXIMUM PEAK FLOW	534 Sep 26
MAXIMUM PEAK STAGE	24.20 Sep 26
ANNUAL RUNOFF (CFSM)	2.41
ANNUAL RUNOFF (INCHES)	32.81
10 PERCENT EXCEEDS	41
50 PERCENT EXCEEDS	2.7
90 PERCENT EXCEEDS	0.00

02275197 MOSQUITO CREEK NEAR OKEECHOBEE, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	4.5	1.0	3.1	1.3	18	5.7	0.58	13	189	12	40
2	146	4.4	0.88	2.8	1.1	12	5.7	0.46	30	171	9.7	115
3	114	4.1	0.77	2.6	1.2	7.8	6.5	0.67	51	156	8.4	72
4	86	3.8	0.67	2.4	1.0	8.4	6.1	4.7	86	190	10	55
5	65	3.7	0.59	2.4	0.75	9.9	4.8	11	74	160	61	45
6	51	3.5	0.56	2.2	0.62	8.4	3.7	11	69	133	55	45
7	43	3.1	0.49	2.0	0.52	6.5	3.2	7.7	71	101	121	39
8	37	2.8	0.45	1.7	0.46	5.6	3.4	4.8	97	69	67	33
9	33	2.5	0.41	1.4	0.35	9.1	3.4	3.2	121	51	47	27
10	29	2.8	0.44	1.2	0.27	25	3.1	2.3	99	49	35	20
11	26	2.7	0.45	0.93	0.13	26	2.6	1.6	82	37	24	16
12	25	2.4	0.34	0.79	0.02	20	2.1	1.1	64	29	14	13
13	23	2.1	0.18	0.72	0.00	14	1.7	0.56	49	32	10	10
14	20	3.1	0.10	2.8	0.00	10	1.4	0.29	39	35	9.6	8.6
15	17	4.5	0.00	8.4	0.00	8.2	1.2	0.13	35	23	85	7.2
16	15	4.3	0.00	9.4	0.00	6.9	0.84	0.02	29	19	123	6.5
17	13	3.7	0.03	7.4	0.00	34	0.60	0.00	29	17	109	8.1
18	11	3.4	0.76	5.4	0.00	98	0.48	0.00	23	13	89	8.1
19	10	3.1	0.96	4.2	0.00	75	0.31	0.00	22	11	79	7.2
20	11	2.6	0.74	3.7	0.00	59	0.14	0.00	217	9.1	53	7.4
21	16	2.2	0.52	3.3	0.00	42	0.07	0.00	266	7.5	29	8.7
22	16	2.0	0.31	3.0	0.00	32	0.00	0.00	224	6.2	18	9.5
23	14	1.9	0.23	2.8	0.00	23	0.00	0.00	191	5.0	16	10
24	11	1.9	0.47	2.3	0.00	18	0.00	0.00	174	4.6	44	9.0
25	9.8	1.9	1.6	1.9	0.89	15	0.00	0.00	152	11	48	7.3
26	8.4	1.6	6.0	1.7	5.9	13	0.00	0.05	127	18	53	5.8
27	7.1	1.4	7.1	1.6	13	11	1.6	0.03	112	18	65	4.9
28	5.7	1.6	5.2	1.8	22	11	1.9	0.00	191	13	51	4.9
29	5.9	1.4	4.2	2.1	---	10	1.6	0.00	229	9.2	43	4.9
30	5.8	1.2	3.7	1.9	---	8.6	0.99	0.00	196	8.7	36	5.3
31	5.0	---	3.4	1.6	---	7.1	---	2.4	---	12	32	---
TOTAL	1,060.7	84.2	42.55	89.54	49.51	652.5	63.13	52.59	3,162	1,607.3	1,456.7	653.4
MEAN	34.2	2.81	1.37	2.89	1.77	21.0	2.10	1.70	105	51.8	47.0	21.8
MAX	181	4.5	7.1	9.4	22	98	6.5	11	266	190	123	115
MIN	5.0	1.2	0.00	0.72	0.00	5.6	0.00	0.00	13	4.6	8.4	4.9
CFSM	3.64	0.30	0.15	0.31	0.19	2.24	0.22	0.18	11.2	5.52	5.00	2.32
IN.	4.20	0.33	0.17	0.35	0.20	2.58	0.25	0.21	12.51	6.36	5.76	2.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	23.0	5.36	3.01	2.76	3.21	11.3	1.11	0.85	56.1	27.3	36.4	114
MAX	34.2	7.91	4.65	2.89	4.60	21.0	2.10	1.70	105	51.8	47.0	206
(WY)	(2005)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)
MIN	11.8	2.81	1.37	2.64	1.77	1.65	0.12	0.00	6.71	2.67	25.8	21.8
(WY)	(2004)	(2005)	(2005)	(2004)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	8,730.56	8,974.12	
ANNUAL MEAN	23.9	24.6	23.6
HIGHEST ANNUAL MEAN			24.6
LOWEST ANNUAL MEAN			22.7
HIGHEST DAILY MEAN	476	Sep 26	476
LOWEST DAILY MEAN	0.00	Many days	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Mar 22	0.00
MAXIMUM PEAK FLOW			534
MAXIMUM PEAK STAGE			24.20
ANNUAL RUNOFF (CFSM)	2.54		2.51
ANNUAL RUNOFF (INCHES)	34.55		34.14
10 PERCENT EXCEEDS	50		59
50 PERCENT EXCEEDS	2.3		3.7
90 PERCENT EXCEEDS	0.00		0.00

02275503 TAYLOR CREEK AT HGS-6, NEAR OKEECHOBEE, FL

LOCATION.--Lat 27° 12'24", long 80° 47'53", in SE 1/4 sec.35, T.37 S., R.35 E., Okeechobee County, Hydrologic Unit 03090102, outside of the lock chamber of S-193 at HGS No. 6, 1,100 ft south of U.S. Highway 441-98, 2.7 mi east of Sherman, and 3.2 mi southeast of Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 1991 to August 1992 (gage heights only), September 1992 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929.

REMARKS.--Records poor. Flow regulated by hurricane lock gates at Lake Okeechobee. Negative flow is considered flow into the rim canal.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-3.5	-5.6	-11	-11	-6.4	-14	-15	-7.9	-0.11	-8.7	-7.8	-3.2
2	-3.7	-5.2	-5.3	-8.9	-9.2	-11	-20	-10	0.35	-7.9	-8.1	-7.3
3	-0.25	-21	-13	-11	-7.1	-12	-25	-5.7	-2.3	-2.4	-0.07	0.70
4	-3.9	-6.9	-12	-9.8	-8.3	-8.7	-13	-2.3	-1.1	-11	-10	-2.9
5	-8.7	-17	-15	-15	-9.8	-6.6	-11	-0.94	1.8	-11	-8.8	-8.8
6	-9.9	-25	-20	-6.7	-4.1	-15	-4.1	-6.4	-8.8	-5.1	-8.9	0.91
7	-1.5	-19	-9.2	-8.3	-8.2	-7.8	-2.8	-4.6	-1.1	-4.4	-7.9	-0.89
8	-5.1	-7.8	-27	-19	-6.9	-9.4	-13	0.92	-3.4	0.71	-8.4	3.5
9	-10	-13	4.3	-17	-23	-16	-19	-8.1	-3.4	-15	-8.1	-3.8
10	-17	-7.7	-0.29	-8.0	-8.8	-13	-8.3	-6.7	-3.6	-4.4	-9.4	-0.27
11	-12	-7.5	-15	-5.8	-11	-9.5	-11	-4.3	0.51	-13	-3.8	-2.7
12	-7.2	-23	-11	-6.7	-11	-17	-14	-5.2	-2.3	-12	-1.1	-4.8
13	-14	-17	-15	-8.0	-7.0	-7.0	-3.1	-2.3	-2.4	-1.7	1.5	3.6
14	-17	-8.5	-6.6	-12	1.8	-9.6	-9.7	-3.5	-11	0.12	-7.9	-1.5
15	-21	-7.9	-8.2	-11	-6.9	-11	-9.2	-5.8	1.4	-7.7	-3.8	-9.7
16	-16	-3.8	-6.4	-17	1.8	-6.6	-12	-3.6	-9.8	-18	-2.3	-5.1
17	-21	-12	-1.5	-15	-2.1	-7.6	-12	-0.79	-0.67	-6.5	3.1	-6.9
18	-3.5	-17	-14	-7.1	-8.7	-15	-8.1	-0.49	-3.1	-9.0	-5.5	-4.8
19	-15	-30	-8.8	-12	-7.6	-24	-10	-1.8	-11	-1.7	-6.4	-1.4
20	-15	-13	-5.6	-16	-4.0	-24	-13	-2.7	-19	-2.2	-3.1	-1.1
21	-14	-14	-5.6	-8.5	-5.6	-7.4	-13	-4.6	-2.8	-4.6	-6.4	-0.72
22	-13	-21	0.80	-4.1	-8.0	-4.1	-8.7	-7.4	-4.9	-13	-1.2	-9.8
23	-25	-0.53	-4.5	-5.1	-6.2	-7.3	-7.5	0.81	-0.19	-12	-2.3	-11
24	-9.3	-8.9	-6.2	-10	-8.4	-20	-11	-0.54	-5.9	-10	-6.3	3.3
25	-19	-5.3	-2.8	-9.9	-11	-16	-11	1.1	-7.2	-3.5	-6.7	-3.9
26	-16	-13	0.74	-9.3	-5.4	-6.9	0.08	-2.4	-17	2.0	-4.1	-4.7
27	-15	-5.2	-8.7	-8.1	-4.3	-11	-10	-2.7	-3.0	-1.8	2.6	-7.0
28	-13	-21	-8.5	-11	-8.0	-12	-10	0.17	-6.1	1.8	-0.98	-4.6
29	-10	-9.6	-8.3	-8.1	---	-22	-4.6	-0.78	-0.58	-5.8	-0.74	-4.3
30	-29	-12	-7.8	-10	---	-6.9	-8.0	3.1	1.2	-6.5	0.59	0.74
31	-21	---	-11	-17	---	-10	---	0.84	---	-7.2	-0.28	---
TOTAL	-389.55	-378.43	-262.45	-326.4	-203.4	-368.4	-317.02	-94.60	-125.49	-201.47	-132.58	-98.43
MEAN	-12.6	-12.6	-8.47	-10.5	-7.26	-11.9	-10.6	-3.05	-4.18	-6.50	-4.28	-3.28
MAX	-0.25	-0.53	4.3	-4.1	1.8	-4.1	0.08	3.1	1.8	2.0	3.1	3.6
MIN	-29	-30	-27	-19	-23	-24	-25	-10	-19	-18	-10	-11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

MEAN	1.33	-0.21	2.23	0.45	3.05	0.90	4.16	-0.92	6.05	5.87	9.62	3.18
MAX	24.3	18.9	20.7	18.0	21.0	20.1	29.4	20.1	32.4	44.9	65.6	23.7
(WY)	(1995)	(1997)	(1998)	(1997)	(1998)	(1998)	(1997)	(1996)	(1999)	(1997)	(2004)	(1997)
MIN	-29.5	-18.4	-20.5	-39.4	-29.0	-28.4	-21.0	-57.1	-28.2	-28.8	-33.2	-33.0
(WY)	(2000)	(2003)	(2003)	(1993)	(1993)	(1993)	(1993)	(1998)	(1993)	(1999)	(1999)	(1999)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

FOR 2005 WATER YEAR

WATER YEARS 1992 - 2005

ANNUAL TOTAL	535.07	-2,898.22	
ANNUAL MEAN	1.49	-7.94	
HIGHEST ANNUAL MEAN			2.88
LOWEST ANNUAL MEAN			21.5
HIGHEST DAILY MEAN	345	4.3	1997
LOWEST DAILY MEAN	-200	-30	1993
ANNUAL SEVEN-DAY MINIMUM	-34	-18	1999
MAXIMUM PEAK STAGE		18.63	2004
10 PERCENT EXCEEDS	31	-0.28	2004
50 PERCENT EXCEEDS	-4.7	-7.7	24
90 PERCENT EXCEEDS	-19	-16	0.71
			-21

Note.--Negative figures indicate reverse flow

02275606 NUBBIN SLOUGH NEAR SHERMAN, FL

LOCATION.--Lat 27° 11'36", long 80° 45'45", in NW¹/₄ sec.5, T.38 S., R.36 E., Okeechobee County, Hydrologic Unit 03090102, on left bank, 0.5 mi north of U.S. Highway 441-98, 0.7 mi upstream of Lake Okeechobee and structure S-191, and 5.4 mi southeast of Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1993 to November 2000 (gage heights only); December 2000 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NGVD of 1929 (South Florida Water Management District bench mark).

REMARKS.--Records poor. Discharge not published some days due to bad or missing velocity and stage data. Flow regulated by automatic lift gates at structure S-191. Positive flow is considered flow into Lake Okeechobee.

EXTREMES FOR PERIOD DECEMBER 2000 TO SEPTEMBER 2001.--Maximum daily discharge, 1,270 ft³/s, Sept. 15, 2001; maximum gage height, 19.12 ft, July 29; maximum daily reverse flow, -63 ft³/s, Aug. 28; minimum gage height, 16.01 ft³/s, May 22.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD DECEMBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	289	305	283	283	121	261	194	370	234
2	---	---	---	295	385	271	266	145	133	114	375	183
3	---	---	---	324	466	163	39	148	169	31	524	264
4	---	---	---	181	336	182	208	62	366	338	642	210
5	---	---	---	158	235	149	210	128	154	289	---	226
6	---	---	226	206	134	172	28	131	204	202	---	292
7	---	---	261	279	213	106	129	176	210	109	---	759
8	---	---	70	190	38	139	87	88	272	297	---	775
9	---	---	-4.4	382	25	-14	86	142	236	273	514	1,080
10	---	---	24	320	252	250	182	152	283	361	511	1,170
11	---	---	44	215	103	125	155	97	293	457	520	900
12	---	---	129	253	235	208	231	35	149	236	570	1,040
13	---	---	64	479	29	116	231	117	245	210	570	981
14	---	---	269	335	335	215	181	122	270	530	466	1,190
15	---	---	-60	258	206	52	276	95	249	826	449	1,270
16	---	---	338	171	250	161	229	107	272	950	207	947
17	---	---	261	306	154	341	166	227	78	964	282	860
18	---	---	192	249	281	281	314	220	52	692	341	690
19	---	---	131	247	148	107	82	139	300	587	318	522
20	---	---	265	318	86	-17	87	262	166	697	247	527
21	---	---	130	362	86	167	94	170	135	746	368	381
22	---	---	311	293	193	214	106	112	218	734	184	217
23	---	---	220	245	235	149	47	179	285	712	208	196
24	---	---	311	198	168	100	90	225	203	801	153	277
25	---	---	246	387	200	104	151	12	300	679	231	196
26	---	---	210	224	227	301	369	148	134	448	276	256
27	---	---	230	250	234	297	221	120	72	662	309	388
28	---	---	93	301	83	84	125	276	58	682	-63	249
29	---	---	211	337	---	155	118	152	225	537	247	540
30	---	---	237	296	---	170	104	216	76	431	228	649
31	---	---	289	362	---	27	---	241	---	413	352	---
TOTAL	---	---	4,697.6	8,710	5,642	5,058	4,895	4,565	6,068	15,202	9,399	17,469
MEAN	---	---	181	281	202	163	163	147	202	490	348	582
MAX	---	---	338	479	466	341	369	276	366	964	642	1,270
MIN	---	---	-60	158	25	-17	28	12	52	31	-63	183

Note.--Negative figures indicate reverse flow

02275606 NUBBIN SLOUGH NEAR SHERMAN, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	451	500	320	---	317	120	239	183	3.0	576	150	596
2	312	549	213	---	192	191	285	270	264	999	243	654
3	221	401	---	---	241	330	285	197	126	899	189	774
4	187	381	---	---	228	395	232	208	98	833	339	776
5	134	610	---	---	136	253	258	286	21	687	475	560
6	241	---	---	---	171	99	255	212	167	802	224	568
7	155	---	---	---	251	88	79	250	136	686	362	501
8	292	476	---	---	251	75	87	166	177	875	102	296
9	409	394	---	---	110	179	170	158	148	710	-83	329
10	287	167	---	---	98	200	206	191	112	---	33	164
11	180	341	---	---	326	34	106	167	63	---	221	437
12	-3.2	325	---	---	152	302	108	---	168	---	47	213
13	277	323	---	---	445	61	49	101	244	---	140	225
14	327	128	---	---	246	245	252	57	123	---	170	190
15	424	221	---	336	135	136	275	76	165	---	280	350
16	56	359	---	160	144	229	207	161	141	---	172	351
17	331	305	---	274	180	-97	63	127	259	549	261	260
18	144	162	---	205	140	291	55	31	240	416	269	239
19	98	281	---	189	73	160	60	---	251	430	250	130
20	24	89	---	355	171	300	239	403	111	299	415	258
21	227	229	---	200	377	362	182	366	191	206	285	472
22	358	160	---	-159	327	298	250	370	283	188	258	396
23	796	338	---	266	221	151	151	199	236	274	751	446
24	691	119	---	320	349	50	92	237	293	279	710	699
25	1,650	69	---	244	150	85	180	91	349	288	524	1,210
26	1,760	241	---	222	97	295	174	70	756	211	369	1,020
27	1,420	131	---	88	197	183	202	-8.9	857	322	357	880
28	984	42	---	178	276	179	203	120	682	416	225	618
29	708	76	---	82	---	125	245	171	517	213	452	721
30	651	208	---	148	---	231	237	269	516	283	701	613
31	553	---	---	301	---	208	---	221	---	229	836	---
TOTAL	14,344.8	7,625	533	3,409	6,001	5,758	5,426	5,349.1	7,697.0	11,670	9,727	14,946
MEAN	463	272	266	201	214	186	181	184	257	486	314	498
MAX	1,760	610	320	355	445	395	285	403	857	999	836	1,210
MIN	-3.2	42	213	-159	73	-97	49	-8.9	3.0	188	-83	130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

MEAN	463	272	187	252	208	174	172	165	229	489	330	540
MAX	463	272	266	281	214	186	181	184	257	490	348	582
(WY)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)	(2001)	(2001)
MIN	463	272	181	201	202	163	163	147	202	486	314	498
(WY)	(2002)	(2002)	(2001)	(2002)	(2001)	(2001)	(2001)	(2001)	(2001)	(2002)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 2001 - 2002

ANNUAL TOTAL	9,9510.8		92,485.9			
ANNUAL MEAN	302		297		287	
HIGHEST ANNUAL MEAN					297	
LOWEST ANNUAL MEAN					277	
HIGHEST DAILY MEAN	1,760	Oct 26	1,760	Oct 26	1,760	Oct 26, 2001
LOWEST DAILY MEAN	-63	Aug 28	-159	Jan 22	-159	Jan 22, 2002
ANNUAL SEVEN-DAY MINIMUM	94	Apr 19	90	Aug 8	67	Dec 9, 2000
MAXIMUM PEAK STAGE			19.17	Oct 25, 26	21.17	Mar 20, 1998
10 PERCENT EXCEEDS	648		644		600	
50 PERCENT EXCEEDS	235		239		232	
90 PERCENT EXCEEDS	87		85		86	

Note.--Negative figures indicate reverse flow

02275606 NUBBIN SLOUGH NEAR SHERMAN, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	457	270	152	602	280	153	196	186	344	262	259	491
2	438	223	187	968	292	277	145	341	---	255	205	498
3	291	73	233	657	255	171	-46	304	---	355	377	529
4	426	181	57	429	216	134	224	---	198	287	358	482
5	198	274	182	424	460	296	143	---	192	212	287	490
6	172	178	257	444	198	245	150	413	341	370	344	798
7	-22	315	220	353	207	260	227	218	220	209	333	865
8	104	144	168	223	311	230	286	---	258	245	302	841
9	82	48	118	254	317	164	208	244	261	24	520	480
10	179	167	413	162	175	152	123	172	274	257	752	388
11	286	249	430	275	216	29	198	370	224	262	848	437
12	293	293	448	366	193	95	266	---	227	194	759	251
13	98	291	342	292	232	304	317	95	241	171	---	293
14	291	209	267	342	125	207	202	85	276	284	---	143
15	234	33	462	318	380	164	145	---	244	235	876	295
16	149	193	362	185	176	32	65	351	259	123	799	311
17	325	141	284	198	197	328	86	224	158	232	906	203
18	223	316	270	243	189	---	182	193	262	330	633	224
19	159	283	368	150	140	---	30	---	179	215	689	79
20	84	268	285	304	179	493	-33	117	344	433	705	109
21	254	65	505	205	287	284	215	111	107	315	476	74
22	375	284	284	149	269	336	227	195	201	582	641	217
23	78	262	260	153	209	232	164	183	235	325	923	250
24	222	134	253	467	78	241	222	---	290	329	1,020	357
25	182	142	628	264	338	252	139	346	241	333	1,090	237
26	344	344	479	202	62	42	373	---	100	438	1,100	747
27	110	321	491	317	124	149	---	306	272	376	871	850
28	225	162	488	199	218	294	-23	269	270	380	978	987
29	343	139	304	70	---	193	140	307	230	317	888	1,750
30	269	120	288	302	---	62	153	318	277	426	683	2,460
31	273	---	256	192	---	295	---	195	---	273	662	---
TOTAL	7,142	6,122	9,741	9,709	6,323	6,114	4,724	5,543	6,725	9,049	19,284	16,136
MEAN	230	204	314	313	226	211	163	241	240	292	665	538
MAX	457	344	628	968	460	493	373	413	344	582	1,100	2,460
MIN	-22	33	57	70	62	29	-46	85	100	24	205	74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	347	237	254	276	214	186	169	186	233	418	441	539
MAX	463	272	314	313	226	211	181	241	257	490	665	582
(WY)	(2002)	(2002)	(2003)	(2003)	(2003)	(2003)	(2002)	(2003)	(2002)	(2001)	(2003)	(2001)
MIN	230	204	181	201	202	163	163	147	202	292	314	498
(WY)	(2003)	(2003)	(2001)	(2002)	(2001)	(2001)	(2003)	(2001)	(2001)	(2003)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2002 CALENDAR YEAR

FOR 2003 WATER YEAR

WATER YEARS 2001 - 2003

ANNUAL TOTAL	92,988.1	106,612	
ANNUAL MEAN	272	305	294
HIGHEST ANNUAL MEAN			305
LOWEST ANNUAL MEAN			277
HIGHEST DAILY MEAN	1,210	Sep 25	2,460
LOWEST DAILY MEAN	-159	Jan 22	-46
ANNUAL SEVEN-DAY MINIMUM	90	Aug 8	97
MAXIMUM PEAK STAGE			19.59
10 PERCENT EXCEEDS	513		504
50 PERCENT EXCEEDS	238		258
90 PERCENT EXCEEDS	86		112
			21.17
			89

Note.--Negative figures indicate reverse flow

02275606 NUBBIN SLOUGH NEAR SHERMAN, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,120	90	257	115	316	278	309	328	220	68	140	377
2	1,440	94	160	154	389	168	206	320	361	188	203	466
3	973	340	160	24	193	146	273	309	201	200	172	377
4	654	157	186	342	159	426	166	370	195	304	286	771
5	658	78	391	209	195	301	304	179	183	206	289	1,260
6	602	482	302	216	244	387	153	85	213	262	274	1,650
7	382	283	206	318	264	416	288	5.1	258	325	373	1,780
8	259	307	115	203	243	162	295	158	94	387	269	1,310
9	290	524	35	124	275	198	331	123	146	316	345	1,890
10	130	111	121	295	174	320	161	192	233	98	128	2,160
11	228	221	234	273	100	134	176	111	324	136	242	1,450
12	283	251	216	288	223	35	168	67	288	303	391	1,170
13	189	225	188	200	109	183	230	75	147	361	392	1,040
14	256	130	315	304	315	16	241	14	263	351	442	920
15	300	136	265	245	242	168	288	32	250	403	518	743
16	240	21	234	278	348	356	168	59	66	250	562	677
17	118	29	220	276	188	217	53	-24	70	393	548	648
18	282	206	207	236	262	34	94	-16	194	73	511	522
19	390	143	313	308	141	165	6.7	64	478	237	637	425
20	122	308	266	252	171	4.2	81	57	259	163	457	515
21	15	185	404	153	181	142	198	-56	368	277	431	2,210
22	248	163	177	294	227	190	195	117	200	28	421	2,590
23	199	98	276	302	180	40	113	230	262	194	501	2,480
24	32	153	114	164	248	89	120	66	244	145	423	1,660
25	63	247	420	250	521	62	42	159	376	88	592	1,630
26	0.89	220	435	359	422	67	455	123	252	205	498	---
27	225	202	294	167	420	137	245	263	375	127	526	---
28	247	267	225	381	371	17	138	277	236	258	441	---
29	250	291	311	153	207	265	90	359	285	196	376	---
30	91	239	227	244	---	231	247	234	57	123	402	---
31	108	---	288	270	---	175	---	268	---	165	352	---
TOTAL	11394.89	6,201	7,562	7,397	7,328	5,529.2	5,834.7	4,548.1	7,098	6,830	12,142	30,721
MEAN	368	207	244	239	253	178	194	147	237	220	392	1,229
MAX	2,120	524	435	381	521	426	455	370	478	403	637	2,590
MIN	0.89	21	35	24	100	4.2	6.7	-56	57	28	128	377

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	354	227	250	266	224	184	175	175	234	365	428	689
MAX	463	272	314	313	253	211	194	241	257	490	665	1,229
(WY)	(2002)	(2002)	(2003)	(2003)	(2004)	(2003)	(2004)	(2003)	(2002)	(2001)	(2003)	(2004)
MIN	230	204	181	201	202	163	163	147	202	220	314	498
(WY)	(2003)	(2003)	(2001)	(2002)	(2001)	(2001)	(2003)	(2004)	(2001)	(2004)	(2002)	(2002)

SUMMARY STATISTICS

FOR 2003 CALENDAR YEAR

FOR 2004 WATER YEAR

WATER YEARS 2001 - 2004

ANNUAL TOTAL	108,764.89	112,585.89	
ANNUAL MEAN	311	312	299
HIGHEST ANNUAL MEAN			312
LOWEST ANNUAL MEAN			277
HIGHEST DAILY MEAN	2,460	Sep 30	2,590
LOWEST DAILY MEAN	-46	Apr 3	-56
ANNUAL SEVEN-DAY MINIMUM	97	Apr 14	17
MAXIMUM PEAK STAGE			20.11
10 PERCENT EXCEEDS	602		509
50 PERCENT EXCEEDS	249		241
90 PERCENT EXCEEDS	109		73

Note.--Negative figures indicate reverse flow

02275606 NUBBIN SLOUGH NEAR SHERMAN, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	66	133	---	229	238	238	427	437	2,130	262	292
2	---	98	400	---	105	309	453	135	745	2,060	295	636
3	---	152	293	---	175	137	303	0.70	845	1,670	245	478
4	---	415	179	72	348	311	167	321	1,520	1,630	287	236
5	---	251	129	148	254	190	317	410	1,440	1,230	396	400
6	---	162	68	191	137	218	239	243	1,760	968	317	519
7	279	191	144	384	300	246	199	268	1,570	781	496	208
8	444	166	197	232	199	120	349	292	1,130	505	283	260
9	462	320	223	-23	103	342	388	380	828	506	422	317
10	545	137	262	62	75	272	72	366	718	888	228	109
11	314	160	247	310	276	152	138	378	592	710	280	-14
12	294	109	---	114	219	367	282	153	697	502	302	371
13	297	247	---	209	320	358	255	39	713	643	190	267
14	314	111	---	379	290	225	409	63	---	666	341	378
15	209	140	365	492	156	64	362	209	---	545	494	136
16	268	115	117	249	257	241	349	161	522	487	376	92
17	215	234	214	351	271	537	261	103	481	391	507	-73
18	74	175	131	259	427	977	174	81	359	296	482	-1.8
19	385	189	140	202	158	810	-37	10	393	275	309	62
20	389	419	213	126	166	504	130	232	2,090	298	323	154
21	301	71	221	299	283	641	150	174	2,110	69	292	33
22	363	131	148	349	313	683	248	-57	1,330	176	121	263
23	187	232	364	283	150	453	255	395	1,320	312	266	92
24	246	258	303	326	253	348	324	214	1,680	281	270	192
25	156	213	285	215	251	339	229	230	1,320	161	250	125
26	316	277	268	337	282	338	232	125	1,050	193	348	96
27	108	189	351	242	294	248	244	265	1,020	294	385	363
28	326	341	328	77	231	295	278	237	1,590	157	376	215
29	123	205	238	90	---	186	199	-0.88	2,240	361	557	163
30	202	24	162	204	---	244	335	278	1,950	191	456	158
31	306	---	168	379	---	387	---	260	---	210	298	---
TOTAL	7,123	5,798	6,291	6,558	6,522	10,780	7,542	6,391.82	32,450	19,586	10,454	6,526.2
MEAN	285	193	225	234	233	348	251	206	1,159	632	337	218
MAX	545	419	400	492	427	977	453	427	2,240	2,130	557	636
MIN	74	24	68	-23	75	64	-37	-57	359	69	121	-73

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

MEAN	339	218	244	259	226	217	191	182	411	421	409	592
MAX	463	272	314	313	253	348	251	241	1,159	632	665	1,229
(WY)	(2002)	(2002)	(2003)	(2003)	(2004)	(2005)	(2005)	(2003)	(2005)	(2005)	(2003)	(2004)
MIN	230	193	181	201	202	163	163	147	202	220	314	218
(WY)	(2003)	(2005)	(2001)	(2002)	(2001)	(2001)	(2003)	(2004)	(2001)	(2004)	(2002)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2001 - 2005

ANNUAL TOTAL	106,640.0	126,022.02	
ANNUAL MEAN	303	359	311
HIGHEST ANNUAL MEAN			359
LOWEST ANNUAL MEAN			277
HIGHEST DAILY MEAN	2,590	Sep 22	2,590
LOWEST DAILY MEAN	-56	May 21	-159
ANNUAL SEVEN-DAY MINIMUM	17	May 15	17
MAXIMUM PEAK STAGE			21.17
10 PERCENT EXCEEDS	460		557
50 PERCENT EXCEEDS	240		246
90 PERCENT EXCEEDS	77		90

a Jun 28, Jul 13, Sep 19

Note.--Negative figures indicate reverse flow

TAYLOR CREEK BASIN AND INFLOW TO LAKE OKEECHOBEE FROM NORTH

02275625 NUBBIN SLOUGH NEAR OKEECHOBEE, FL

LOCATION.--Lat 27° 12'19", long 80° 44'35", in SE 1/4 sec.33, T.37 S., R.36 E., Okeechobee County, Hydrologic Unit 03090102, near right bank, 0.25 mi upstream from bridge on State Highway 710, and 0.5 mi upstream from mouth and 6.8 mi southeast of Okeechobee.

DRAINAGE AREA.--24.2 mi².

PERIOD OF RECORD.--September 2003 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NAVD of 1988 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records poor.

EXTREMES FOR PERIOD SEPTEMBER 2003.--Maximum daily discharge, 202 ft³/s, Sept. 30; maximum gage height, 19.12 ft, Sept. 30; minimum daily discharge, 3.4 ft³/s, Sept. 19; minimum gage height, 16.79 ft, Sept. 9.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	e12
4	---	---	---	---	---	---	---	---	---	---	---	14
5	---	---	---	---	---	---	---	---	---	---	---	16
6	---	---	---	---	---	---	---	---	---	---	---	38
7	---	---	---	---	---	---	---	---	---	---	---	37
8	---	---	---	---	---	---	---	---	---	---	---	27
9	---	---	---	---	---	---	---	---	---	---	---	20
10	---	---	---	---	---	---	---	---	---	---	---	17
11	---	---	---	---	---	---	---	---	---	---	---	14
12	---	---	---	---	---	---	---	---	---	---	---	11
13	---	---	---	---	---	---	---	---	---	---	---	9.2
14	---	---	---	---	---	---	---	---	---	---	---	6.7
15	---	---	---	---	---	---	---	---	---	---	---	6.6
16	---	---	---	---	---	---	---	---	---	---	---	6.3
17	---	---	---	---	---	---	---	---	---	---	---	5.5
18	---	---	---	---	---	---	---	---	---	---	---	5.0
19	---	---	---	---	---	---	---	---	---	---	---	3.4
20	---	---	---	---	---	---	---	---	---	---	---	6.2
21	---	---	---	---	---	---	---	---	---	---	---	4.8
22	---	---	---	---	---	---	---	---	---	---	---	5.1
23	---	---	---	---	---	---	---	---	---	---	---	4.6
24	---	---	---	---	---	---	---	---	---	---	---	5.2
25	---	---	---	---	---	---	---	---	---	---	---	6.9
26	---	---	---	---	---	---	---	---	---	---	---	39
27	---	---	---	---	---	---	---	---	---	---	---	61
28	---	---	---	---	---	---	---	---	---	---	---	71
29	---	---	---	---	---	---	---	---	---	---	---	165
30	---	---	---	---	---	---	---	---	---	---	---	202
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

e Estimated

02275625 NUBBIN SLOUGH NEAR OKEECHOBEE, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	148	2.2	2.7	3.8	7.9	8.5	1.6	1.3	1.3	5.1	1.6	15
2	96	2.3	2.5	4.6	8.1	8.0	1.7	1.3	1.1	4.6	2.3	14
3	63	5.8	2.7	2.8	6.3	5.9	1.5	1.1	0.87	4.0	3.7	8.6
4	40	6.6	3.3	4.0	6.1	6.0	1.5	1.5	0.73	5.4	5.9	51
5	29	6.6	3.0	3.3	6.4	5.2	1.9	1.5	0.89	2.7	9.1	213
6	22	11	2.4	2.9	5.5	5.0	1.7	1.8	1.0	2.2	11	450
7	16	14	2.4	2.7	5.3	5.1	1.5	0.99	0.43	3.2	9.4	325
8	12	10	2.3	2.4	4.2	3.5	1.4	0.87	2.4	4.0	11	221
9	11	9.7	2.9	3.3	5.1	3.0	1.9	0.81	2.0	1.5	11	138
10	9.8	7.6	2.7	2.5	4.2	3.2	1.8	0.93	2.3	0.71	7.4	97
11	8.9	6.9	2.2	2.1	4.2	3.1	1.8	1.3	3.5	0.13	9.4	73
12	8.3	6.3	2.4	2.6	4.3	2.7	4.9	1.5	4.4	2.6	7.7	55
13	7.5	4.1	2.1	2.6	3.5	2.8	4.3	1.3	3.0	1.5	5.2	42
14	7.2	3.7	4.5	3.1	3.8	3.3	3.3	0.78	2.6	1.8	8.4	31
15	5.1	4.7	5.3	e1.8	3.9	3.2	3.4	1.1	2.5	0.97	10	25
16	5.5	4.0	6.2	e2.2	3.4	4.6	3.4	0.86	2.8	1.0	14	19
17	5.3	4.0	10	2.8	3.2	3.5	2.4	1.3	0.98	3.9	14	19
18	4.0	5.0	9.1	4.9	2.7	3.3	2.7	1.0	2.9	3.4	13	15
19	4.3	3.9	7.9	7.2	3.0	3.1	2.2	1.3	2.3	4.1	11	13
20	6.1	4.3	6.5	7.4	2.9	3.1	1.7	1.0	17	5.7	9.2	17
21	4.5	3.8	6.7	5.4	3.4	2.8	1.6	1.1	12	3.7	7.2	129
22	3.3	3.6	6.7	5.6	2.8	e1.9	1.7	1.0	14	2.8	6.5	269
23	3.2	4.2	8.2	4.3	3.1	e1.7	2.1	1.1	9.9	4.2	7.0	221
24	4.9	3.5	5.0	2.9	3.3	1.9	1.6	1.1	8.8	4.7	5.2	134
25	3.5	3.8	5.0	4.3	9.9	1.7	1.7	1.0	11	2.2	7.9	97
26	4.1	2.8	5.7	5.1	21	2.2	1.4	0.96	7.8	2.0	5.9	452
27	3.7	3.6	4.2	4.6	14	1.9	1.7	1.3	5.8	1.6	5.6	481
28	4.0	2.9	4.6	2.9	11	1.6	1.7	1.4	5.5	2.3	6.1	320
29	3.1	2.1	5.5	3.1	9.5	1.4	1.7	2.0	6.6	4.4	5.5	187
30	2.8	2.4	4.2	3.4	---	1.9	2.0	0.98	5.8	0.78	7.9	125
31	3.0	---	4.2	4.4	---	1.8	---	0.55	---	3.1	7.8	---
TOTAL	549.1	155.4	143.1	115.0	172.0	106.9	63.8	36.03	142.20	90.29	246.9	4,256.6
MEAN	17.7	5.18	4.62	3.71	5.93	3.45	2.13	1.16	4.74	2.91	7.96	142
MAX	148	14	10	7.4	21	8.5	4.9	2.0	17	5.7	14	481
MIN	2.8	2.1	2.1	1.8	2.7	1.4	1.4	0.55	0.43	0.13	1.6	8.6

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	17.7	5.18	4.62	3.71	5.93	3.45	2.13	1.16	4.74	2.91	7.96	142
MAX	17.7	5.18	4.62	3.71	5.93	3.45	2.13	1.16	4.74	2.91	7.96	142
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	17.7	5.18	4.62	3.71	5.93	3.45	2.13	1.16	4.74	2.91	7.96	142
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	6,077.32			
ANNUAL MEAN	16.6		16.6	
HIGHEST ANNUAL MEAN			16.6	
LOWEST ANNUAL MEAN			16.6	
HIGHEST DAILY MEAN	481	Sep 27	481	Sep 27, 2004
LOWEST DAILY MEAN	0.13	Jul 11	0.13	Jul 11, 2004
ANNUAL SEVEN-DAY MINIMUM	0.90	Jun 1	0.90	Jun 1, 2004
MAXIMUM PEAK STAGE	23.33	Sep 26	23.33	Sep 26, 2004
10 PERCENT EXCEEDS	14		14	
50 PERCENT EXCEEDS	3.8		3.8	
90 PERCENT EXCEEDS	1.3		1.3	

e Estimated

02275625 NUBBIN SLOUGH NEAR OKEECHOBEE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	3.5	2.6	3.7	3.8	8.0	6.0	2.6	1.9	161	3.6	e55
2	62	3.7	2.5	2.8	4.1	6.7	5.6	2.1	25	171	2.5	146
3	44	2.8	2.7	3.2	4.5	8.2	5.4	3.1	37	178	6.3	79
4	34	3.3	2.1	3.2	3.2	9.1	5.2	4.0	104	259	7.0	50
5	27	2.2	1.9	3.6	3.2	7.5	3.7	12	101	151	78	49
6	21	2.6	2.5	3.2	3.1	5.4	2.9	8.7	64	94	68	54
7	18	1.6	2.6	2.5	2.3	6.1	2.9	5.1	44	64	78	39
8	15	2.3	2.8	2.4	2.9	5.3	5.6	4.8	38	42	49	29
9	14	4.8	2.2	2.1	3.2	7.8	4.3	3.5	44	35	28	22
10	12	1.6	2.6	2.5	2.4	18	3.0	2.6	33	31	13	18
11	9.9	3.3	1.7	2.8	2.0	12	4.0	2.7	29	23	5.9	16
12	9.9	2.3	1.6	2.9	3.0	10	3.0	2.1	23	19	3.0	14
13	9.6	2.6	1.5	2.4	2.0	8.9	3.5	1.8	18	40	-1.3	11
14	8.7	3.2	1.8	3.7	1.1	8.3	2.7	2.0	16	38	54	9.4
15	7.2	4.0	2.6	8.2	2.7	8.6	1.9	2.0	27	27	251	8.6
16	6.8	2.1	1.9	6.5	3.4	8.9	2.8	1.5	15	46	149	6.4
17	6.9	2.4	2.0	6.3	2.9	39	1.9	2.0	8.4	31	89	5.2
18	6.1	2.5	2.4	4.7	1.8	103	2.3	1.3	4.6	20	69	4.7
19	6.1	3.2	2.7	5.3	2.3	73	2.0	1.3	7.0	13	59	3.4
20	7.1	4.1	2.3	5.1	2.3	41	1.7	1.1	258	9.3	33	8.2
21	9.3	3.0	1.9	5.1	1.3	28	1.4	0.91	430	5.7	17	9.2
22	8.4	3.2	2.6	4.9	1.8	24	2.2	1.4	226	3.3	8.4	10
23	7.0	2.8	2.7	4.5	2.6	19	2.0	0.88	146	1.4	38	9.4
24	6.4	3.4	2.6	3.5	1.8	16	0.93	1.1	155	2.3	e60	8.4
25	5.2	3.6	3.2	4.0	3.0	14	1.2	1.1	133	16	e63	6.2
26	5.3	2.5	4.9	4.8	6.4	11	1.2	1.7	97	12	e67	5.2
27	4.5	2.5	3.9	4.8	11	10	4.3	1.7	106	6.8	e75	5.4
28	4.9	3.3	4.4	5.1	11	8.5	4.0	1.9	194	3.7	e62	3.9
29	4.1	2.0	4.0	6.4	---	8.4	3.4	1.5	216	1.9	e53	3.8
30	4.9	2.4	3.2	5.4	---	8.2	2.7	1.1	160	3.9	e44	4.2
31	2.9	---	3.7	4.0	---	5.1	---	-4.3	---	6.5	e36	---
TOTAL	476.2	86.8	82.1	129.6	95.1	547.0	93.73	75.29	2,760.9	1,515.8	1,568.4	693.6
MEAN	15.4	2.89	2.65	4.18	3.40	17.6	3.12	2.43	92.0	48.9	50.6	23.1
MAX	88	4.8	4.9	8.2	11	103	6.0	12	430	259	251	146
MIN	2.9	1.6	1.5	2.1	1.1	5.1	0.93	-4.3	1.9	1.4	-1.3	3.4

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

MEAN	16.5	4.04	3.63	3.95	4.69	10.5	2.63	1.80	48.4	25.9	29.3	82.5
MAX	17.7	5.18	4.62	4.18	5.93	17.6	3.12	2.43	92.0	48.9	50.6	142
(WY)	(2004)	(2004)	(2004)	(2005)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)
MIN	15.4	2.89	2.65	3.71	3.40	3.45	2.13	1.16	4.74	2.91	7.96	23.1
(WY)	(2005)	(2005)	(2005)	(2004)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	5,874.82			8,124.52					
ANNUAL MEAN	16.1			22.3			19.4		
HIGHEST ANNUAL MEAN							22.3		
LOWEST ANNUAL MEAN							16.6		
HIGHEST DAILY MEAN	481	Sep 27		430	Jun 21	481	Sep 27, 2004		
LOWEST DAILY MEAN	0.13	Jul 11		-4.3	May 31	-4.3	May 31, 2005		
ANNUAL SEVEN-DAY MINIMUM	0.90	Jun 1		0.67	May 25	0.67	May 25, 2005		
MAXIMUM PEAK STAGE				20.65	Jun 21	23.33	Sep 26, 2004		
10 PERCENT EXCEEDS	15			62		44			
50 PERCENT EXCEEDS	3.3			4.9		4.2			
90 PERCENT EXCEEDS	1.3			1.9		1.6			

e Estimated

Note.--Negative figures indicate reverse flow

02275631 L-63S CANAL NEAR OKEECHOBEE, FL

LOCATION.--Lat 27° 11'34", long 80° 43'47", in SE¹/₄ sec.4, T.38 S., R.36 E., Okeechobee County, Hydrologic Unit 03090102, near right bank, 300 ft upstream from bridge on County Road 15A, 0.3 mi southwest of the intersection with State Highway 710, and 7.6 mi southeast of Okeechobee.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 2003 to current year.

GAGE.--Water-stage recorder, acoustic velocity meter, and data-collection platform. Datum of gage is at NAVD of 1988 (U.S. Army Corps of Engineers bench mark).

REMARKS.--Records fair. Discharge not published some days due to missing velocity data. Flow regulated by operation of structure 191 about 2.8 mi downstream from the gage.

EXTREMES FOR PERIOD AUGUST TO SEPTEMBER 2003.--Maximum daily discharge, 473 ft³/s, Sept. 29; maximum gage height, 18.03 ft, Sept. 30; maximum daily reverse flow, -34 ft³/s, Aug. 9; minimum gage height, 16.40 ft, Aug. 20.

DISCHARGE, CUBIC FEET PER SECOND
PERIOD AUGUST TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	82
6	---	---	---	---	---	---	---	---	---	---	---	111
7	---	---	---	---	---	---	---	---	---	---	---	97
8	---	---	---	---	---	---	---	---	---	---	-16	85
9	---	---	---	---	---	---	---	---	---	---	-34	70
10	---	---	---	---	---	---	---	---	---	---	-32	46
11	---	---	---	---	---	---	---	---	---	---	-18	44
12	---	---	---	---	---	---	---	---	---	---	-13	31
13	---	---	---	---	---	---	---	---	---	---	-17	27
14	---	---	---	---	---	---	---	---	---	---	32	-3.8
15	---	---	---	---	---	---	---	---	---	---	48	32
16	---	---	---	---	---	---	---	---	---	---	53	26
17	---	---	---	---	---	---	---	---	---	---	73	5.6
18	---	---	---	---	---	---	---	---	---	---	---	18
19	---	---	---	---	---	---	---	---	---	---	---	13
20	---	---	---	---	---	---	---	---	---	---	---	24
21	---	---	---	---	---	---	---	---	---	---	---	18
22	---	---	---	---	---	---	---	---	---	---	---	19
23	---	---	---	---	---	---	---	---	---	---	---	1.6
24	---	---	---	---	---	---	---	---	---	---	---	32
25	---	---	---	---	---	---	---	---	---	---	---	67
26	---	---	---	---	---	---	---	---	---	---	---	268
27	---	---	---	---	---	---	---	---	---	---	---	262
28	---	---	---	---	---	---	---	---	---	---	---	256
29	---	---	---	---	---	---	---	---	---	---	---	473
30	---	---	---	---	---	---	---	---	---	---	---	449
31	---	---	---	---	---	---	---	---	---	---	---	---
TOTAL	---	---	---	---	---	---	---	---	---	---	---	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	---	---	---	---	---	---	---	---	---
MIN	---	---	---	---	---	---	---	---	---	---	---	---

Note.--Negative figures indicate reverse flow

02275631 L-63S CANAL NEAR OKEECHOBEE, FL---Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	405	-3.7	7.9	13	17	16	-3.9	22	15	9.9	-4.6	-11
2	296	3.1	-1.1	-8.3	32	19	-2.0	19	15	-8.2	15	28
3	123	25	-1.1	9.7	10	14	-2.3	2.4	16	-5.5	-1.6	1.9
4	107	12	19	22	7.9	18	-2.3	0.16	13	0.15	4.9	50
5	43	13	17	3.2	26	17	2.9	1.8	2.4	8.4	4.1	255
6	34	40	-0.55	13	12	-9.4	7.6	15	7.7	-7.2	6.6	447
7	32	19	3.8	3.5	9.8	31	14	11	9.0	-9.3	18	524
8	11	3.0	8.0	6.3	3.5	-3.1	-0.36	12	11	-3.9	4.7	472
9	55	32	7.2	-2.1	15	6.8	-16	9.1	13	0.19	24	353
10	48	18	6.0	-0.19	-1.7	3.3	3.5	5.2	17	2.3	12	298
11	34	31	2.3	7.8	-3.5	-12	30	12	13	0.61	19	198
12	29	17	4.8	-4.1	4.3	-2.0	11	10	11	7.6	35	147
13	9.8	8.8	-6.2	13	9.4	15	-0.75	9.0	6.4	-15	2.2	124
14	27	11	31	15	15	5.6	3.2	6.4	-6.3	-25	12	96
15	20	27	12	-2.9	3.4	17	8.2	10	2.8	4.7	15	71
16	33	14	29	2.2	10	24	12	9.3	5.5	-4.9	25	54
17	9.4	7.9	14	15	0.20	-2.0	15	9.0	17	-3.7	34	34
18	23	22	16	4.3	4.7	11	3.9	16	19	-1.8	21	28
19	8.8	2.9	19	9.1	15	5.9	12	12	2.6	7.5	19	15
20	14	5.9	3.3	-0.63	-6.3	9.3	10	30	-4.6	-7.7	22	27
21	7.2	-0.96	15	16	-8.5	10	8.1	22	5.8	12	16	206
22	11	5.9	1.8	20	-1.4	11	15	26	5.1	-11	4.6	317
23	1.5	22	13	-0.64	-15	5.1	12	20	5.5	17	17	310
24	18	14	16	5.8	17	3.0	12	18	2.8	10	30	281
25	12	-4.2	8.1	5.7	26	3.8	27	8.3	12	9.3	40	225
26	21	-2.4	17	23	21	7.4	12	12	-0.29	0.35	23	966
27	13	8.3	-4.1	5.0	26	9.7	-12	5.4	19	1.8	40	1,350
28	25	-11	7.2	1.6	30	-3.9	12	7.4	0.72	28	36	1,060
29	4.4	-0.25	15	5.3	20	6.7	6.9	16	3.9	13	19	754
30	14	8.8	5.4	3.9	---	-0.73	15	6.1	6.5	19	2.7	539
31	17	---	14	3.0	---	2.5	---	19	---	1.3	9.9	---
TOTAL	1,506.1	349.09	299.75	207.54	298.80	238.97	213.69	381.56	246.53	49.90	525.5	9,219.9
MEAN	48.6	11.6	9.67	6.69	10.3	7.71	7.12	12.3	8.22	1.61	17.0	307
MAX	405	40	31	23	32	31	30	30	19	28	40	1,350
MIN	1.5	-11	-6.2	-8.3	-15	-12	-16	0.16	-6.3	-25	-4.6	-11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2004, BY WATER YEAR (WY)

MEAN	48.6	11.6	9.67	6.69	10.3	7.71	7.12	12.3	8.22	1.61	17.0	307
MAX	48.6	11.6	9.67	6.69	10.3	7.71	7.12	12.3	8.22	1.61	17.0	307
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	48.6	11.6	9.67	6.69	10.3	7.71	7.12	12.3	8.22	1.61	17.0	307
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

	FOR 2004 WATER YEAR		WATER YEARS 2003 - 2004	
ANNUAL TOTAL	13,537.33			
ANNUAL MEAN	37.0		37.0	
HIGHEST ANNUAL MEAN			37.0	
LOWEST ANNUAL MEAN			37.0	
HIGHEST DAILY MEAN	1,350	Sep 27	1,350	Sep 27, 2004
LOWEST DAILY MEAN	-25	Jul 14	-34	Aug 9, 2003
ANNUAL SEVEN-DAY MINIMUM	-5.5	Jul 13	-14	Aug 8, 2003
MAXIMUM PEAK STAGE	22.44	Sep 26	22.44	Sep 26, 2004
10 PERCENT EXCEEDS	34		34	
50 PERCENT EXCEEDS	10		10	
90 PERCENT EXCEEDS	-2.3		-2.3	

Note.--Negative figures indicate reverse flow

02275631 L-63S CANAL NEAR OKEECHOBEE, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	391	4.9	-15	9.3	-14	-6.9	16	-6.5	8.2	199	16	19
2	290	-8.6	-12	-0.73	1.0	2.0	24	-4.6	44	197	-0.45	44
3	228	-21	-16	-3.5	-14	-6.1	42	8.1	100	201	-4.1	41
4	174	8.3	-17	-0.15	-3.6	16	6.7	5.6	223	209	10	30
5	137	-12	-21	-2.0	-3.1	-4.0	35	11	221	173	15	66
6	103	-10	-23	-9.5	3.2	3.1	28	-4.8	213	141	15	98
7	71	-6.6	-14	4.4	13	2.5	24	3.0	183	109	16	67
8	62	-8.3	-25	-14	-11	1.0	43	7.0	134	70	-0.39	68
9	56	-2.1	-7.3	-25	-0.85	0.19	53	1.2	98	55	9.8	49
10	57	-8.4	-6.2	0.91	-11	10	19	6.1	72	56	2.6	59
11	24	-8.0	-24	-2.7	-7.4	2.5	52	0.68	56	71	25	42
12	30	-18	-6.4	0.24	-6.0	-2.7	23	12	53	47	6.5	31
13	18	-9.3	-15	7.7	-21	-0.30	9.4	12	74	123	-1.7	2.8
14	5.2	-13	-12	-5.8	6.3	-18	5.8	17	e35	150	0.77	10
15	-2.0	2.7	6.7	-0.08	-4.1	-15	8.1	20	e40	138	20	14
16	13	-3.9	-4.5	-7.4	-17	29	19	6.3	45	212	4.4	-2.0
17	4.5	-10	-9.8	3.0	-13	69	4.0	13	20	147	12	-6.8
18	5.3	-23	-12	-12	-4.0	177	-12	12	4.1	97	15	7.6
19	0.07	-23	-15	-11	3.8	157	e11	11	30	87	25	-3.6
20	9.6	-4.8	-7.3	-18	9.9	117	e8.2	-5.0	178	66	15	23
21	19	1.7	-8.8	-14	-14	113	-2.1	-1.8	316	44	11	19
22	32	-23	-6.3	-6.2	-13	90	-13	-2.8	261	30	17	26
23	-2.7	-9.1	-10	-22	-13	66	3.7	2.0	218	42	25	27
24	16	3.4	-6.4	-9.2	4.4	53	-15	-16	193	66	24	32
25	9.5	-13	-2.2	-12	-11	50	-2.7	3.1	161	99	13	27
26	1.9	-13	-12	-24	-11	36	5.5	15	143	60	41	20
27	-20	-17	-8.0	-6.3	18	42	-3.5	-6.1	163	62	46	17
28	-0.27	5.6	3.4	6.2	-0.01	25	12	-16	233	53	29	2.3
29	-7.2	-8.0	-3.3	12	---	3.1	20	4.7	221	39	41	-8.7
30	-5.9	-3.9	-7.4	-13	---	9.9	3.9	12	195	17	18	29
31	11	---	1.1	-1.7	---	20	---	24	---	36	19	---
TOTAL	1,730.00	-250.4	-315.7	-176.51	-132.46	1,041.29	428.0	143.18	3,935.3	3,096	485.43	849.6
MEAN	55.8	-8.35	-10.2	-5.69	-4.73	33.6	14.3	4.62	131	99.9	15.7	28.3
MAX	391	8.3	6.7	12	18	177	53	24	316	212	46	98
MIN	-20	-23	-25	-25	-21	-18	-15	-16	4.1	17	-4.1	-8.7

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2003 - 2005, BY WATER YEAR (WY)

	(2003)	(2004)	(2005)	(2003)	(2004)	(2005)	(2003)	(2004)	(2005)	(2003)	(2004)	(2005)
MEAN	52.2	1.64	-0.26	0.50	2.92	20.6	10.7	8.46	69.7	50.7	16.3	168
MAX	55.8	11.6	9.67	6.69	10.3	33.6	14.3	12.3	131	99.9	17.0	307
(WY)	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2004)	(2005)	(2005)	(2004)	(2004)
MIN	48.6	-8.35	-10.2	-5.69	-4.73	7.71	7.12	4.62	8.22	1.61	15.7	28.3
(WY)	(2004)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2005)	(2004)	(2004)	(2005)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2003 - 2005

ANNUAL TOTAL	12,546.29	10,833.73				
ANNUAL MEAN	34.3	29.7	33.3			
HIGHEST ANNUAL MEAN			37.0	2004		
LOWEST ANNUAL MEAN			29.7	2005		
HIGHEST DAILY MEAN	1,350	Sep 27	391	Oct 1	1,350	Sep 27, 2004
LOWEST DAILY MEAN	-25	Jul 14	-25	Dec 8, Jan 9	-34	Aug 9, 2003
ANNUAL SEVEN-DAY MINIMUM	-18	Dec 2	-18	Dec 2	-18	Dec 2, 2004
MAXIMUM PEAK STAGE			17.92	Jul 3	22.44	Sep 26, 2004
10 PERCENT EXCEEDS	35		111		71	
50 PERCENT EXCEEDS	7.2		6.7		9.7	
90 PERCENT EXCEEDS	-9.9		-13		-9.0	

e Estimated

Note.--Negative figures indicate reverse flow

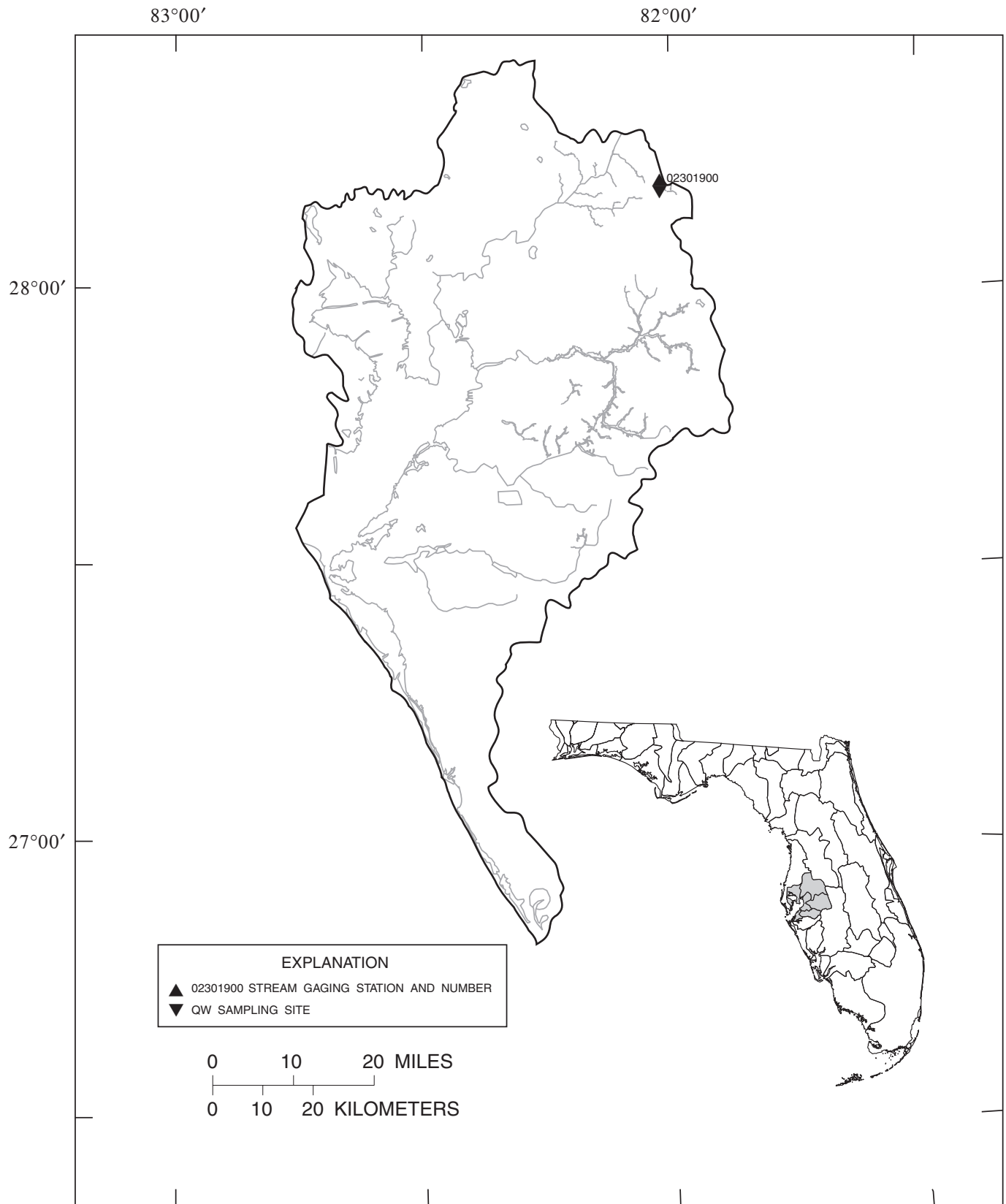


Figure 9.--Location of stream gaging stations in the Manatee, Little Manatee, Alafia, and Hillsborough River basins, and Tampa Bay and coastal areas.

02301900 FOX BRANCH NEAR SOCRUM, FL

LOCATION.--Lat 28° 10'55", long 82° 00'45", in NE 1/4 sec.33, T.26 S., R.23 E., Polk County, Hydrologic Unit 03100205, near center of span on downstream side of bridge on Rock Ridge Road, 1.1 mi northeast of Socrum, 8.7 mi upstream from mouth, and 10 mi north of Lakeland.

DRAINAGE AREA.--9.5 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1963 to current year.

REVISED RECORDS.--WRD FL 1969: 1968 (M).

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 110.00 ft above NGVD of 1929.

REMARKS.--Records poor. Some diversion at times by pumpage for irrigation.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	2.4	2.7	3.2	2.9	5.3	2.8	7.6	7.0	67	17	6.4
2	14	2.4	2.6	3.1	3.0	4.1	2.9	12	7.1	37	10	15
3	11	2.3	2.6	2.9	3.0	3.5	3.0	6.4	6.0	18	7.0	18
4	9.8	2.3	2.5	2.9	3.1	3.7	2.8	5.2	5.2	12	5.5	11
5	8.9	2.3	2.3	2.9	3.0	3.6	2.6	5.2	6.2	8.0	4.7	7.7
6	8.3	2.2	2.2	2.9	2.9	3.3	2.5	5.1	5.5	6.0	4.0	6.6
7	7.3	2.2	2.3	3.0	2.9	3.1	2.5	4.2	4.7	4.9	3.5	6.4
8	6.5	2.1	2.5	2.9	2.8	3.0	2.8	3.6	5.5	6.7	3.4	5.7
9	5.9	2.1	2.5	2.8	2.9	3.2	2.8	3.3	4.6	68	4.0	5.2
10	5.5	2.3	2.5	2.7	2.6	4.1	2.6	3.1	12	110	4.7	4.6
11	5.3	2.3	2.9	2.7	2.5	4.1	2.5	3.0	23	84	4.2	3.9
12	5.5	2.2	2.6	2.7	2.5	3.7	2.5	7.3	26	60	5.0	3.4
13	5.4	2.4	2.4	2.7	2.6	3.2	3.1	6.6	15	38	12	3.3
14	5.0	2.6	2.4	3.8	2.5	3.4	3.6	4.4	8.0	23	9.3	3.1
15	4.7	2.4	2.4	5.5	2.4	4.8	3.3	3.5	5.7	19	6.4	2.9
16	4.8	2.2	2.4	4.7	2.6	5.1	2.9	3.1	4.7	18	4.7	2.8
17	4.5	2.3	2.4	3.9	2.6	8.5	2.6	4.2	4.0	14	3.8	2.7
18	4.2	2.4	2.4	3.4	2.5	13	2.5	6.8	3.5	10	3.4	2.5
19	4.0	2.5	2.4	3.1	2.3	7.9	2.5	5.3	3.1	7.8	3.7	2.4
20	3.9	2.4	2.2	3.0	2.3	5.6	2.4	4.1	3.3	6.8	3.7	2.8
21	3.9	2.4	2.2	2.9	2.3	4.9	2.3	3.4	4.8	6.2	3.3	3.7
22	3.7	2.2	2.5	2.9	2.4	4.6	2.2	2.9	9.1	5.7	3.1	3.5
23	3.4	2.3	2.4	3.3	2.5	4.6	2.3	2.6	25	5.0	3.1	3.6
24	3.2	2.2	2.4	3.3	2.6	4.7	2.9	2.4	29	4.8	3.0	3.5
25	3.1	2.6	3.3	3.6	2.7	4.4	2.6	2.5	22	12	2.9	3.2
26	3.0	2.7	6.3	3.4	2.9	4.1	3.0	2.6	15	21	3.0	2.9
27	2.9	2.6	5.6	3.4	4.4	3.7	7.7	2.3	7.5	12	2.8	2.9
28	2.8	2.8	4.3	3.3	6.5	3.4	7.2	2.1	6.2	7.7	3.0	3.7
29	2.7	2.6	3.7	3.2	---	3.3	4.8	1.9	13	8.8	3.7	3.4
30	2.6	2.6	3.4	3.1	---	3.1	3.9	1.7	34	13	4.8	3.1
31	2.5	---	3.3	2.8	---	2.9	---	3.4	---	15	6.2	---
TOTAL	175.3	71.3	88.6	100.0	80.2	139.9	94.1	131.8	325.7	729.4	158.9	149.9
MEAN	5.65	2.38	2.86	3.23	2.86	4.51	3.14	4.25	10.9	23.5	5.13	5.00
MAX	17	2.8	6.3	5.5	6.5	13	7.7	12	34	110	17	18
MIN	2.5	2.1	2.2	2.7	2.3	2.9	2.2	1.7	3.1	4.8	2.8	2.4
CFSM	0.60	0.25	0.30	0.34	0.30	0.48	0.33	0.45	1.14	2.48	0.54	0.53
IN.	0.69	0.28	0.35	0.39	0.31	0.55	0.37	0.52	1.28	2.86	0.62	0.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)

MEAN	5.59	3.57	8.46	7.70	7.90	8.57	3.87	2.75	10.4	14.2	18.7	22.7
MAX	17.5	20.4	121	76.1	39.7	39.2	24.2	14.7	61.5	95.7	65.0	127
(WY)	(1970)	(1998)	(1998)	(2003)	(1998)	(1983)	(1984)	(1979)	(1968)	(1991)	(1995)	(2001)
MIN	0.71	0.38	1.44	1.33	0.26	0.63	0.00	0.01	0.36	0.73	1.84	0.46
(WY)	(1979)	(1979)	(1983)	(1981)	(2001)	(2000)	(1977)	(1977)	(2001)	(1981)	(1980)	(1978)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1967 - 2005

ANNUAL TOTAL	6,418.8	2,245.1	
ANNUAL MEAN	17.5	6.15	
HIGHEST ANNUAL MEAN			9.54
LOWEST ANNUAL MEAN			23.4
HIGHEST DAILY MEAN	560	Sep 6	3.22
LOWEST DAILY MEAN	1.6	Jun 1, 3	1981
ANNUAL SEVEN-DAY MINIMUM	1.7	May 29	0.00
SOME years			Some years
MAXIMUM PEAK FLOW			0.00
SOME years			Some years
MAXIMUM PEAK STAGE			1,790
INSTANTANEOUS LOW FLOW			Dec 27, 1997
ANNUAL RUNOFF (CFSM)	1.85	0.647	8.54
ANNUAL RUNOFF (INCHES)	25.13	8.79	Sep 6, 2004
10 PERCENT EXCEEDS	34	11	
50 PERCENT EXCEEDS	4.1	3.4	
90 PERCENT EXCEEDS	2.3	2.4	

HILLSBOROUGH RIVER BASIN
02301900 FOX BRANCH NEAR SOCRUM, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-87, 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instan- taneous dis- charge, cfs (00061)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)
NOV 04...	1015	3.53	2.4	5.7	7.4	342	22.8
DEC 17...	0800	3.55	2.5	9.0	7.1	361	12.5
FEB 09...	1118	3.60	2.6	7.9	6.4	341	16.5
APR 04...	1530	3.64	2.4	10.8	7.3	359	18.6
JUN 03...	1322	3.94	6.6	6.9	7.4	305	24.7
JUL 18...	1210	4.14	9.7	5.3	7.3	202	30.5
SEP 14...	1200	3.59	3.0	7.6	8.3	326	25.9

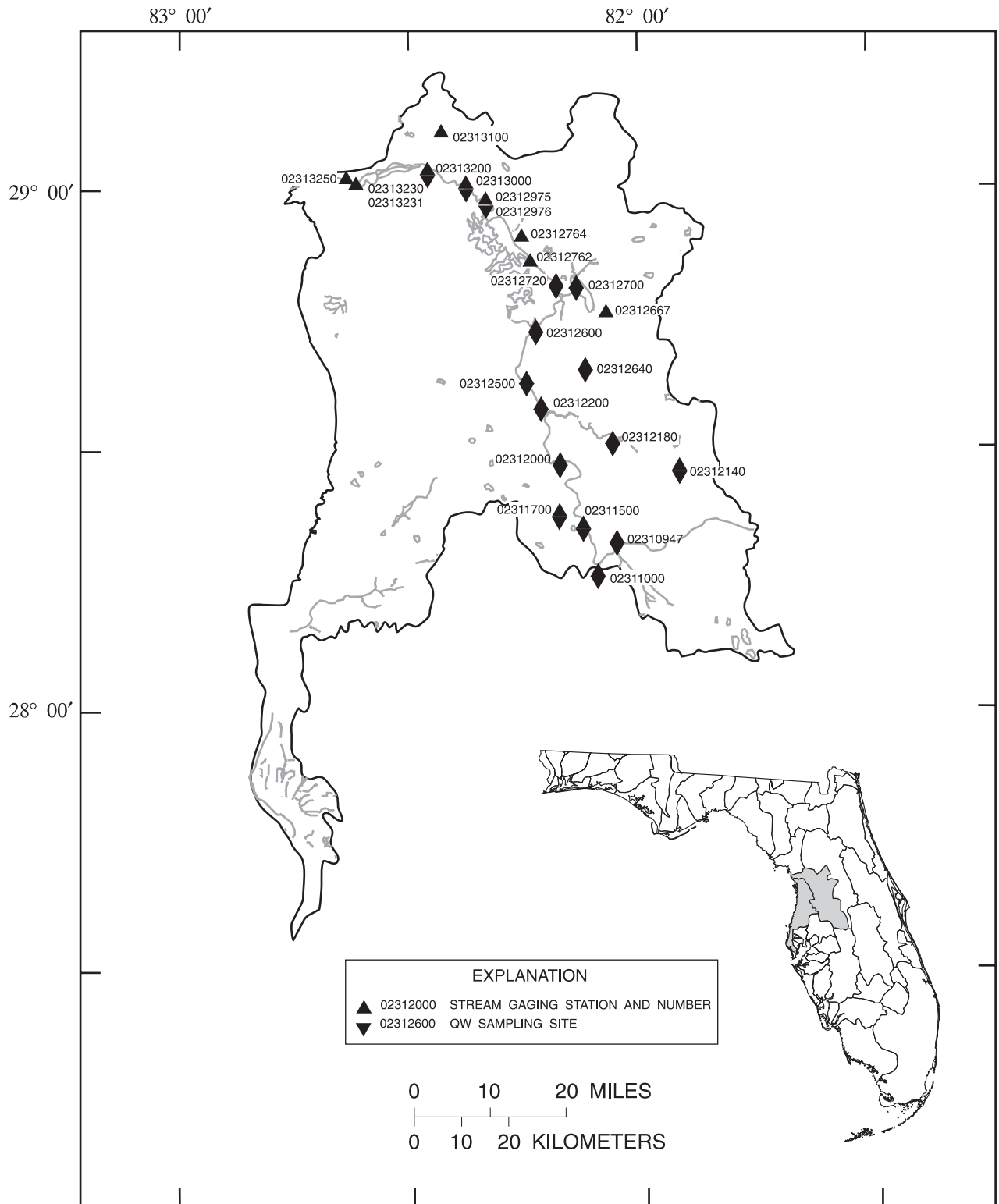


Figure 10.--Location of stream gaging stations in the Withlacoochee River basin and coastal areas.

02310947 WITHLACOOCHEE RIVER NEAR CUMPRESSCO, FL

LOCATION.--Lat 28° 18'42", long 82° 03'22", in NE 1/4 sec.13, T.25 S., R.22 E., Pasco County, Hydrologic Unit 03100208, near left bank on downstream side of bridge on State Highway 471, 0.6 mi upstream from Gator Creek, 3.4 mi south of Cumpressco, 5.8 mi east of Richland, and 120 mi upstream from mouth.

DRAINAGE AREA.--280 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 75.00 ft above NGVD of 1929 (Florida Department of Transportation bench mark). Prior to Aug. 3, 1978, at datum 5.00 ft higher.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Some interconnection with Gator Creek and some diversions to the north may exist during periods of extreme high water.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,020	302	97	50	35	42	58	4.9	1.3	361	110	114
2	1,970	285	94	49	34	43	54	5.5	2.7	399	97	132
3	1,860	269	92	49	33	40	48	4.9	11	435	87	194
4	1,720	256	89	48	32	36	42	4.4	15	533	82	247
5	1,610	246	85	48	31	33	37	4.3	20	557	93	221
6	1,510	230	82	47	30	30	33	4.6	31	512	94	195
7	1,410	220	78	46	29	27	29	4.3	36	436	93	191
8	1,320	210	73	45	27	26	25	3.6	39	370	89	194
9	1,240	194	68	44	26	25	22	3.1	40	426	86	195
10	1,170	187	64	42	25	26	19	2.5	53	643	94	190
11	e1,100	177	62	40	24	25	16	2.1	98	784	97	177
12	e1,050	167	60	39	23	25	14	1.8	166	834	99	163
13	e1,000	159	56	37	21	24	12	1.4	203	830	137	143
14	e950	152	51	39	20	25	11	1.2	203	822	182	125
15	e900	144	48	41	19	27	8.8	0.92	198	814	193	109
16	e850	137	45	44	18	27	7.3	0.69	191	770	174	97
17	e800	131	43	45	18	40	6.1	0.49	180	714	160	86
18	e750	125	41	44	17	51	5.0	0.38	164	639	161	77
19	e700	120	40	43	16	57	4.2	0.27	144	551	161	69
20	e650	114	39	43	15	57	3.4	0.21	121	468	153	60
21	621	109	37	43	14	56	2.8	0.15	116	393	144	53
22	603	104	36	43	13	56	2.3	0.11	113	326	136	49
23	558	100	35	43	13	58	2.2	0.07	124	271	161	52
24	515	96	34	43	12	61	2.8	0.04	125	229	186	51
25	477	116	38	43	13	64	2.4	0.04	119	200	167	51
26	443	113	47	41	15	81	2.7	0.02	110	180	146	51
27	414	106	50	41	25	89	6.5	0.01	111	161	130	51
28	383	106	51	40	35	89	5.8	0.00	138	142	123	49
29	359	103	51	39	---	80	4.5	0.00	197	148	122	45
30	339	100	50	38	---	71	4.2	0.00	291	159	114	42
31	319	---	50	37	---	63	---	0.23	---	129	110	---
TOTAL	29,611	4,878	1,786	1,334	633	1,454	491.0	52.23	3,361.0	14,236	3,981	3,473
MEAN	955	163	57.6	43.0	22.6	46.9	16.4	1.68	112	459	128	116
MAX	2,020	302	97	50	35	89	58	5.5	291	834	193	247
MIN	319	96	34	37	12	24	2.2	0.00	1.3	129	82	42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)

MEAN	177	62.1	110	126	128	161	89.7	15.6	49.6	173	273	343
MAX	955	298	1,638	1,203	963	1,076	867	132	505	913	825	1,285
(WY)	(2005)	(1970)	(1998)	(1998)	(1998)	(1998)	(1987)	(1979)	(1968)	(1991)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
(WY)	(2001)	(1979)	(2001)	(1981)	(2001)	(2001)	(1999)	(1967)	(1977)	(2000)	(2000)	(2000)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1967 - 2005	
ANNUAL TOTAL	93,502.69		65,290.23			
ANNUAL MEAN	255		179		143	
HIGHEST ANNUAL MEAN					457	
LOWEST ANNUAL MEAN					8.60	
HIGHEST DAILY MEAN	2,020	Oct 1	2,020	Oct 1	e3,250	Dec 29, 1997
LOWEST DAILY MEAN	0.00	May 27-Jun 6	0.00	May 28-30	0.00	Many days
ANNUAL SEVEN-DAY MINIMUM	0.00	May 27	0.02	May 2	0.00	Many days
MAXIMUM PEAK FLOW			2,020	Oct 1		
MAXIMUM PEAK STAGE			13.78	Oct 1		
10 PERCENT EXCEEDS	1,000		513		453	Dec 31, 1997
50 PERCENT EXCEEDS	46		60		25	
90 PERCENT EXCEEDS	0.92		4.3		0.00	

e Estimated

a May have been higher during period of no record, Dec. 15-30, 1997

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1961, 1965, 1967 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Bromide water, fltrd, mg/L (71870)
OCT 18...	1008	--	E750	3.1	6.0	76	21.1	27	8.35	1.58	2.62	4.51	.50
25...	1245	9.04	638	3.6	5.7	83	22.8	--	--	--	--	--	--
NOV 23...	1051	7.09	99	5.2	5.5	100	19.8	--	--	--	--	--	--
DEC 27...	1102	6.77	50	8.0	6.0	116	10.2	--	--	--	--	--	--
JAN 25...	0935	6.65	43	8.6	6.3	113	9.8	--	--	--	--	--	--
FEB 22...	1010	5.94	13	6.4	6.3	131	17.9	--	--	--	--	--	--
MAR 28...	1008	7.29	91	4.8	6.4	119	21.8	--	--	--	--	--	--
APR 25...	0934	5.39	2.4	1.3	6.4	205	17.4	--	--	--	--	--	--
JUN 24...	0845	7.66	127	5.1	6.3	115	23.6	--	--	--	--	--	--
JUL 28...	1010	7.64	139	4.5	6.8	85	27.0	--	--	--	--	--	--
SEP 02...	0840	7.44	119	4.3	5.6	87	25.8	37	11.9	1.77	1.11	5.58	--
29...	0825	6.55	46	4.4	6.2	101	24.8	--	--	--	--	--	--

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)
OCT 18...	8.39	--	4.80	.6	--	--	.11	<.06	.009	.07	--	43.3	--
25...	--	--	--	--	--	1.9	.08	<.06	.008	.08	.15	--	--
NOV 23...	--	--	--	--	--	1.7	E.02	E.03	E.005	.05	.11	--	--
DEC 27...	--	--	--	--	--	1.2	<.04	<.06	E.004	.02	.05	--	--
JAN 25...	--	--	--	--	--	1.4	<.04	<.06	E.006	E.01	.04	--	--
FEB 22...	--	--	--	--	--	1.1	<.04	E.04	E.004	.03	.05	--	--
MAR 28...	--	--	--	--	--	1.3	<.04	<.06	E.007	.03	.07	--	--
APR 25...	--	--	--	--	--	1.2	E.02	E.06	E.004	.03	.07	--	--
JUN 24...	--	--	--	--	--	1.7	<.04	<.06	.008	.02	.07	--	--
JUL 28...	--	--	--	--	--	1.6	E.03	<.06	E.006	.05	.14	--	--
SEP 02...	8.98	E.1	5.53	.8	160	1.5	<.04	E.03	E.005	.07	.13	--	46.3
29...	--	--	--	--	--	1.6	<.04	<.06	.013	.07	.13	--	--

Date	Mercury water, unfltrd recoverable, ug/L (71900)	Strontium, water, fltrd, ug/L (01080)
OCT 18...	--	34.9
SEP 02...	E.01	40.1

02311000 WITHLACOOCHEE-HILLSBOROUGH OVERFLOW NEAR RICHLAND, FL

LOCATION.--Lat 28° 16' 16", long 82° 05' 53", in NW 1/4 sec.34, T.25 S., R.22 E., Pasco County, Hydrologic Unit 03100208, on left bank, 20 ft downstream of bridge on U.S. Highway 98, 0.6 mi south of channel of Withlacoochee River, 2.9 mi east of Richland, 8.5 mi southeast of Dade City, and 55 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1930 to September 1931; September 1950, July 1958 to March 1960 (discharge measurements only); April 1960 to current year. Published as supplement to Hillsborough River near Zephyrhills (station 02303000) July 1958 to September 1959.

GAGE.--Water-stage recorder. Datum of gage is 75.42 ft above NGVD of 1929 (Florida Department of Transportation bench mark). Prior to July 17, 1958, nonrecording gage at site about 1 mi downstream at different datum; July 17, 1958, to Apr. 24, 1960, nonrecording gage and crest-stage gage at present site and datum.

REMARKS.--Records good. Flow is uncontrolled natural diversion from the Withlacoochee River basin to the Hillsborough River basin.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,060	7.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	47	0.00	0.00
2	1,040	5.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	68	0.00	2.4
3	991	4.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	82	0.00	6.8
4	927	3.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99	0.00	20
5	859	2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	117	0.00	25
6	787	1.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113	0.00	18
7	713	0.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89	0.00	12
8	641	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	65	0.00	9.2
9	569	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	67	0.00	7.7
10	505	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	133	0.00	6.4
11	445	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	246	0.00	4.2
12	395	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	328	0.00	2.0
13	346	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.7	333	0.00	0.58
14	304	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.8	326	0.04	0.00
15	263	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.0	339	2.0	0.00
16	227	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.0	304	2.8	0.00
17	193	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.6	261	2.0	0.00
18	165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	214	0.69	0.00
19	138	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	161	0.12	0.00
20	116	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	112	0.00	0.00
21	98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	73	0.00	0.00
22	84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44	0.00	0.00
23	72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25	0.00	0.00
24	58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14	0.83	0.00
25	45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.6	2.3	0.00
26	35	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4.0	1.8	0.00
27	27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	1.3	0.81	0.00
28	20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.06	0.01	0.00
29	16	0.00	0.00	0.00	---	0.00	0.00	0.00	1.1	0.00	0.00	0.00
30	12	0.00	0.00	0.00	---	0.00	0.00	0.00	16	0.50	0.00	0.00
31	9.6	---	0.00	0.00	---	0.00	---	0.00	---	0.57	0.00	---
TOTAL	11,160.6	25.19	0.00	0.00	0.00	0.00	0.00	0.00	38.81	3,675.03	13.40	114.28
MEAN	360	0.84	0.00	0.00	0.00	0.00	0.00	0.00	1.29	119	0.43	3.81
MAX	1,060	7.6	0.00	0.00	0.00	0.00	0.00	0.00	16	339	2.8	25
MIN	9.6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	31.3	2.94	21.2	21.3	14.6	24.8	20.8	1.01	10.1	27.7	53.7	88.8
MAX	360	71.8	444	272	192	214	268	21.8	271	305	372	606
(WY)	(2005)	(1989)	(1998)	(1998)	(1998)	(1998)	(1930)	(1931)	(1930)	(1991)	(1960)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1962)	(1962)	(1961)	(1961)	(1962)	(1961)	(1961)	(1961)	(1960)	(1969)	(1980)	(1970)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1930 - 2005

ANNUAL TOTAL	30,739.16	15,027.31	
ANNUAL MEAN	84.0	41.2	24.0
HIGHEST ANNUAL MEAN			98.1
LOWEST ANNUAL MEAN			0.01
HIGHEST DAILY MEAN	1,060	Oct 1	1,270
LOWEST DAILY MEAN	0.00	Many days	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00
MAXIMUM PEAK FLOW			1,880
MAXIMUM PEAK STAGE			6.87
10 PERCENT EXCEEDS	328	86	50
50 PERCENT EXCEEDS	0.00	0.00	0.00
90 PERCENT EXCEEDS	0.00	0.00	0.00

02311000 WITHLACOOCHEE-HILLSBOROUGH OVERFLOW NEAR RICHLAND, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1930-1931, 1950, 1958-61, 1963, 1966, 1969-85, 1989, 1991, 1993-98, 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)
NOV 03...	1720	3.06	3.6	300	.6	6.2	176	24.0	89	3.01	2.36

Date	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Calcium, water, fltrd, mg/L (00915)
NOV 03...	6.25	71	10.9	.1	7.18	.3	164	1.3	<.04	30.5

Date	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Strontium, water, fltrd, ug/L (01080)
NOV 03...	<.06	<.008	.07	.14	35.1	83.6

02311500 WITHLACOCHEE RIVER NEAR DADE CITY, FL

LOCATION.--Lat 28° 21' 08", long 82° 07' 34", in SE 1/4 sec.32, T.24 S., R.22 E., Pasco County, Hydrologic Unit 03100208, on left bank 50 ft downstream from Lanier Bridge on River Road, 4 mi east of Dade City, and 110 mi upstream from mouth.

DRAINAGE AREA.--390 mi², approximately.

PERIOD OF RECORD.--February 1930 to March 1933, July 1958 to October 1962 (discharge measurements only), water years 1959-62 (annual maximum), January 1964 to September 1983 (discharge measurements and gage heights only); October 1983 to current year.

REVISED RECORDS.--WRD FL 1962: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Feb. 11, 1930 to Mar. 31, 1933, and July 21 to Nov. 19, 1958, nonrecording gage, and Nov. 20, 1958 to Oct. 3, 1962, non-recording gage and crest-stage gage at same site at datum 64.29 ft higher. Jan. 21, 1964 to Oct. 8, 1987, nonrecording gage at same site and datum.

REMARKS.--Records fair except for period of estimated daily discharge, which is poor. High-water diversion above station into Hillsborough River basin through Withlacoochee-Hillsborough Overflow near Richland (station 02311000).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,050	340	126	70	48	48	e85	14	5.1	324	224	169
2	2,100	319	122	69	47	52	e80	13	4.8	435	214	168
3	2,050	300	117	67	45	52	e75	12	4.8	533	188	185
4	1,950	283	112	65	44	55	e70	12	5.0	636	164	229
5	1,830	267	108	64	42	54	65	12	5.2	674	152	291
6	1,700	251	104	63	40	52	60	12	5.5	706	147	338
7	1,560	237	101	62	39	47	53	11	6.2	713	139	343
8	1,420	225	97	61	37	45	46	10	7.8	692	138	324
9	1,300	212	94	60	36	42	41	9.5	12	682	134	303
10	1,210	203	92	59	35	40	35	8.6	20	706	127	286
11	1,140	193	88	57	33	38	30	8.3	32	776	123	271
12	1,070	185	83	56	31	35	27	8.5	55	1,000	122	261
13	1,010	177	78	54	29	33	25	7.7	108	1,190	124	244
14	957	169	73	55	27	33	22	7.2	178	1,280	132	213
15	908	161	68	56	26	34	20	6.6	228	1,330	159	190
16	862	153	63	56	25	36	18	6.1	250	1,290	195	167
17	819	145	60	55	24	45	16	5.7	252	1,230	237	144
18	777	138	57	55	23	57	14	5.3	244	1,150	244	123
19	737	131	55	55	22	62	13	4.9	231	1,060	221	103
20	702	124	52	55	21	68	12	4.5	212	950	208	87
21	670	117	48	55	20	73	11	4.2	191	831	197	73
22	635	112	46	55	19	e74	9.9	3.9	170	711	189	65
23	605	107	45	55	19	e84	9.2	3.6	164	601	202	62
24	577	101	43	54	18	e93	9.0	3.4	171	509	211	55
25	548	116	47	53	18	e97	8.4	3.2	183	440	210	49
26	510	125	60	52	19	e104	8.6	2.9	202	373	220	44
27	473	132	63	52	28	e105	13	2.7	207	318	217	41
28	442	137	65	52	41	e106	15	2.5	228	275	211	40
29	414	135	67	52	---	e106	15	2.3	245	244	201	42
30	386	131	70	51	---	e103	14	2.1	255	227	184	40
31	361	---	71	50	---	e93	---	3.0	---	220	173	---
TOTAL	31,773	5,426	2,375	1,775	856	1,966	920.1	212.7	3,882.4	22,106	5,607	4,950
MEAN	1,025	181	76.6	57.3	30.6	63.4	30.7	6.86	129	713	181	165
MAX	2,100	340	126	70	48	106	85	14	255	1,330	244	343
MIN	361	101	43	50	18	33	8.4	2.1	4.8	220	122	40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2005, BY WATER YEAR (WY)

MEAN	226	88.7	172	211	136	190	189	36.3	84.0	192	289	405
MAX	1,025	430	1,746	1,487	1,025	1,262	1,089	263	699	1,022	1,009	1,302
(WY)	(2005)	(1998)	(1998)	(1998)	(1998)	(1998)	(1987)	(1931)	(1930)	(1991)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2000)	(2000)	(1992)	(2000)	(2000)	(2000)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1930 - 2005	
ANNUAL TOTAL	105,939.3		81,849.2			
ANNUAL MEAN	289		224		182	
HIGHEST ANNUAL MEAN					547	
LOWEST ANNUAL MEAN					10.4	
HIGHEST DAILY MEAN	2,100	Oct 2	2,100	Oct 2	3,880	Dec 31, 1997
LOWEST DAILY MEAN	1.0	Jun 1	2.1	May 30	0.00	Many days
ANNUAL SEVEN-DAY MINIMUM	1.1	May 30	2.7	May 25	0.00	Many days
MAXIMUM PEAK FLOW			2,120	Oct 2	*5,900	Mar 21, 1960
MAXIMUM PEAK STAGE			77.16	Oct 2	78.57	Mar 21, 1960
10 PERCENT EXCEEDS	980		686		505	
50 PERCENT EXCEEDS	84		83		39	
90 PERCENT EXCEEDS	9.9		10		0.46	

e Estimated

* From rating curve extended above 3,600 ft³/s

02311500 WITHLACOCHEE RIVER NEAR DADE CITY, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	77.09	72.36	70.89	70.22	69.87	69.93	---	69.07	68.54	72.31	71.76	71.38
2	77.14	72.26	70.85	70.20	69.84	69.99	---	69.06	68.52	72.79	71.70	71.38
3	77.10	72.17	70.80	70.17	69.81	70.01	---	69.03	68.51	73.15	71.52	71.50
4	76.97	72.07	70.75	70.15	69.78	70.05	---	69.00	68.54	73.48	71.34	71.79
5	76.79	71.98	70.70	70.12	69.75	70.04	70.30	69.01	68.56	73.59	71.25	72.14
6	76.58	71.89	70.66	70.11	69.71	70.00	70.22	69.02	68.59	73.68	71.20	72.37
7	76.34	71.80	70.62	70.10	69.67	69.93	70.09	68.96	68.66	73.70	71.14	72.40
8	76.10	71.72	70.58	70.09	69.64	69.88	69.97	68.91	68.81	73.64	71.13	72.31
9	75.88	71.64	70.54	70.07	69.62	69.83	69.84	68.85	69.09	73.62	71.09	72.20
10	75.67	71.57	70.51	70.05	69.59	69.80	69.72	68.79	69.45	73.68	71.03	72.12
11	75.47	71.49	70.46	70.03	69.56	69.75	69.60	68.77	69.83	73.87	70.99	72.04
12	75.28	71.43	70.39	70.00	69.51	69.69	69.49	68.78	70.29	74.41	70.98	71.98
13	75.09	71.37	70.32	69.96	69.47	69.63	69.42	68.72	70.98	74.79	71.00	71.88
14	74.91	71.31	70.26	69.98	69.42	69.64	69.34	68.67	71.58	74.99	71.08	71.69
15	74.74	71.24	70.19	70.01	69.38	69.68	69.25	68.62	71.89	75.11	71.31	71.54
16	74.58	71.17	70.12	70.00	69.36	69.72	69.16	68.58	72.01	75.03	71.57	71.36
17	74.41	71.11	70.07	69.98	69.33	69.90	69.08	68.55	72.01	74.90	71.84	71.18
18	74.24	71.04	70.02	69.98	69.30	70.12	69.01	68.51	71.96	74.73	71.88	70.99
19	74.07	70.97	69.98	69.98	69.26	70.21	68.94	68.47	71.88	74.53	71.75	70.79
20	73.91	70.90	69.93	69.99	69.23	70.30	68.88	68.43	71.77	74.29	71.66	70.60
21	73.77	70.84	69.87	69.99	69.20	70.38	68.83	68.40	71.62	74.01	71.59	70.41
22	73.61	70.78	69.82	69.99	69.17	---	68.78	68.37	71.47	73.70	71.53	70.30
23	73.47	70.72	69.80	69.98	69.15	---	68.75	68.34	71.42	73.37	71.62	70.26
24	73.34	70.67	69.77	69.96	69.13	---	68.74	68.31	71.47	73.07	71.68	70.14
25	73.21	70.81	69.84	69.95	69.13	---	68.70	68.29	71.55	72.81	71.67	70.04
26	73.07	70.90	70.06	69.94	69.17	---	68.73	68.26	71.67	72.53	71.73	69.95
27	72.94	70.97	70.11	69.94	69.44	---	69.02	68.23	71.69	72.28	71.72	69.89
28	72.81	71.00	70.14	69.93	69.77	---	69.13	68.20	71.82	72.06	71.68	69.86
29	72.70	70.98	70.17	69.93	---	---	69.13	68.17	71.91	71.88	71.61	69.90
30	72.58	70.94	70.21	69.91	---	---	69.08	68.14	71.97	71.78	71.50	69.85
31	72.47	---	70.23	69.89	---	---	---	68.28	---	71.74	71.41	---
MEAN	74.72	71.34	70.28	70.02	69.47	---	---	68.61	70.60	73.53	71.45	71.14
MAX	77.14	72.36	70.89	70.22	69.87	---	---	69.07	72.01	75.11	71.88	72.40
MIN	72.47	70.67	69.77	69.89	69.13	---	---	68.14	68.51	71.74	70.98	69.85

WITHLACOOCHEE RIVER BASIN

02311700 DADE CITY CANAL NEAR DADE CITY, FL

LOCATION.--Lat 28° 22'55", long 82° 10'48", in SW¹/₄ sec.23, T.24 S., R.21 E., Pasco County, Hydrologic Unit 03100208, near center of span, on downstream side of bridge over Evans Canal immediately upstream from confluence with Pasco Beverage Company Canal, 1.0 mi downstream from Pasco Beverage Company at Dade City, and 4.0 mi upstream from Withlacoochee River.

DRAINAGE AREA.--35 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1957 to October 1962 (discharge measurements for Pasco Beverage Company and Evans Canals only). November 1962 to current year (discharge measurements only). Prior to October 1985, published with station 02312000 Withlacoochee River at Trilby.

GAGE.--Nonrecording gage. Datum of gage is at NGVD of 1929. Prior to Aug. 16, 1961, nonrecording gage 150 ft upstream at different datum.

REMARKS.--Discharge measurements made near bridge over Dade City Canal, 30 ft downstream from confluence of Pasco Beverage Company and Evans Canals. Water is diverted from ground-water sources through canals to the Withlacoochee River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 103 ft³/s, Feb. 24, 1967; no flow observed Dec. 2, 1964, Aug. 24, 1965, Oct. 1, 1979, Sept. 27, 2001.

WATER QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1965-91, 1995 to current year.

DISCHARGE MEASUREMENTS AND WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf 25 degC (00095)	Temperature, water, deg C (00010)
OCT 25...	1510	71.02	48	.8	6.3	138	23.7
DEC 14...	1300	69.51	21	1.2	6.3	168	16.2
FEB 08...	1352	69.16	7.9	2.6	6.5	264	18.0
APR 05...	1223	69.43	6.5	1.4	7.0	260	19.3
JUN 03...	0923	69.08	3.2	2.2	6.5	241	24.8
JUL 20...	1142	69.60	12	1.6	6.6	163	28.4
SEP 13...	1330	69.32	8.9	1.3	7.1	140	27.8

02312000 WITHLACOOCHEE RIVER AT TRILBY, FL

LOCATION.--Lat 28° 28'47", long 82° 10'40", in SE 1/4 sec.14, T.23 S., R.21 E., Hernando County, Hydrologic Unit 03100208, on right bank at downstream side of bridge on U.S. Highway 301, 1.6 mi northeast of Trilby, 10 mi upstream from Little Withlacoochee River, and 93 mi upstream from mouth.

DRAINAGE AREA.--570 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to February 1929, February 1930 to current year.

REVISED RECORDS.--WDR FL-72-3: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 49.27 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Oct. 1, 1938, nonrecording gage at site 1.5 mi downstream at datum 0.12 ft lower.

REMARKS.--Records fair. A maximum discharge, 2,970 ft³/s and stage 16.44 ft, occurred on Oct. 1, 5, stage falling, peak occurred on Sept. 29, 2004. High-water diversion above station into Hillsborough River basin through Withlacoochee-Hillsborough Overflow near Richland (station 02311000). Records include water diverted from ground-water supplies through Dade City Canal (station 02311700) by citrus processing plants, in SW 1/4 sec.23, T.24 S., R.21 E., 5 mi upstream from Withlacoochee River.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,960	683	239	153	124	95	152	69	42	437	683	529
2	2,950	646	237	155	123	93	152	67	45	461	627	528
3	2,950	621	232	158	125	91	149	65	49	486	572	513
4	2,950	597	226	155	128	92	144	65	54	522	522	492
5	2,950	573	224	151	126	94	136	67	59	560	477	467
6	2,950	548	228	150	124	95	126	68	68	589	443	444
7	2,900	524	236	149	121	94	118	65	89	608	418	433
8	2,820	497	232	149	117	93	111	62	97	622	385	431
9	2,700	472	224	147	112	92	102	59	96	640	352	436
10	2,600	447	214	143	107	92	94	56	99	697	324	444
11	2,490	426	199	138	103	91	88	53	108	766	299	447
12	2,370	406	191	136	98	88	83	51	129	836	276	446
13	2,250	392	184	133	93	84	80	51	152	946	257	440
14	2,130	383	177	140	89	81	76	50	166	1,040	246	425
15	2,020	359	171	145	85	84	72	49	178	1,170	244	407
16	1,920	340	164	145	82	86	69	47	201	1,270	244	389
17	1,800	328	160	143	79	92	66	45	225	1,320	239	369
18	1,690	314	157	139	76	102	64	43	249	1,330	273	347
19	1,590	301	155	135	71	103	60	41	278	1,340	335	322
20	1,490	289	151	134	68	102	57	39	304	1,320	382	296
21	1,390	274	146	136	65	101	55	37	320	1,300	406	271
22	1,300	262	142	137	63	103	53	36	336	1,260	412	251
23	1,210	253	142	139	61	121	53	34	357	1,200	448	244
24	1,110	245	141	137	59	132	53	33	377	1,140	458	232
25	1,030	248	142	134	58	133	50	33	381	1,080	453	217
26	964	245	156	132	59	152	52	31	370	1,010	452	198
27	902	240	158	131	72	155	76	31	359	920	451	180
28	853	240	156	131	92	159	79	30	379	837	462	170
29	803	241	155	131	---	159	75	29	387	756	523	226
30	758	241	155	130	---	156	71	28	414	706	546	262
31	721	---	155	127	---	154	---	33	---	704	531	---
TOTAL	59,521	11,635	5,649	4,363	2,580	3,369	2,616	1,467	6,368	27,873	12,740	10,856
MEAN	1,920	388	182	141	92.1	109	87.2	47.3	212	899	411	362
MAX	2,960	683	239	158	128	159	152	69	414	1,340	683	529
MIN	721	240	141	127	58	81	50	28	42	437	239	170

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, BY WATER YEAR (WY)

	533	205	184	243	240	366	308	111	170	351	555	788
MEAN	533	205	184	243	240	366	308	111	170	351	555	788
MAX	2,152	890	1,850	2,614	1,291	3,049	1,945	790	3,357	2,191	2,777	4,255
(WY)	(1929)	(1960)	(1998)	(1998)	(1998)	(1960)	(1987)	(1959)	(1934)	(1934)	(1960)	(1933)
MIN	9.20	6.52	7.31	5.34	4.88	5.24	5.01	2.64	1.64	3.56	11.2	5.57
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2000)	(2001)	(1992)	(1999)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1928 - 2005

ANNUAL TOTAL	172,753		149,037									
ANNUAL MEAN	472		408							333		
HIGHEST ANNUAL MEAN										1,211		1960
LOWEST ANNUAL MEAN										15.8		2000
HIGHEST DAILY MEAN	3,040	Sep 29	2,960	Oct 1						8,840	Jun 21, 1934	
LOWEST DAILY MEAN	25	Jun 7,8	28	May 30						0.07	Jun 10, 2000	
ANNUAL SEVEN-DAY MINIMUM	27	Jun 3	31	May 24						0.16	Jun 5, 2000	
MAXIMUM PEAK FLOW			1,340	Jul 18,19						*8,840	Jun 21, 1934	
MAXIMUM PEAK STAGE			12.76	Jul 18,19						*20.50	Jun 21, 1934	
INSTANTANEOUS LOW FLOW			27	May 30,31						0.00	Jun 10, 11,2000	
10 PERCENT EXCEEDS	1,850		1,030							878		
50 PERCENT EXCEEDS	147		171							127		
90 PERCENT EXCEEDS	54		59							23		

* Site and datum then in use

02312000 WITHLACOOCHEE RIVER AT TRILBY, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1958-61, 1963, 1966-87, 1992, 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)
OCT 18...	1400	13.79	1,740	1.1	6.2	88	22.6	34	11.2	1.48	2.60	3.99	6.96
25...	1045	11.63	956	1.8	6.3	97	23.2	--	--	--	--	--	--
DEC 16...	1109	3.68	164	6.6	6.6	213	14.0	--	--	--	--	--	--
FEB 07...	1130	2.62	115	6.8	6.7	249	17.5	--	--	--	--	--	--
APR 06...	1300	3.66	125	5.8	7.5	223	22.2	--	--	--	--	--	--
JUN 02...	0830	2.98	43	4.8	7.7	341	24.8	--	--	--	--	--	--
JUL 20...	0710	12.72	1,360	2.6	7.0	80	27.1	--	--	--	--	--	--
SEP 13...	1017	6.36	435	3.4	7.7	139	26.0	--	--	--	--	--	--

Date	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Strontium, water, fltrd, ug/L (01080)
OCT 18...	4.04	.7	.15	<.06	E.007	.14	33.2	34.9

WITHLACOOCHEE RIVER BASIN

02312140 BAYROOT SLOUGH HEADWATERS NEAR BAY LAKE, FL

LOCATION.--Lat 28°27'23", long 81°55'14", in NW¹/₄ sec.28, T.23 S., R.24 E., Lake County, Hydrologic Unit 03100208, at bridge on State Highway 565, 0.1 mi upstream from James A. Van Fleet Trail, and 1.5 mi southwest of town of Bay Lake.

DRAINAGE AREA.--18 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--1960-61, October 1963 to current year (discharge measurements only).

REVISED RECORDS.--WDR FL-72-3: Drainage area.

GAGE.--Non-recording gage. Datum of gage is at NGVD of 1929.

REMARKS.--Discharge measurements made along the James A. Van Fleet Trail from 1.0 mi north to 0.8 mi south of State Highway 565, which includes Bayroot Slough, Bayroot Drain and Cam Slough.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge measured, 202 ft³/s, Sept. 14, 1960; no flow observed at times in most years.

WATER QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1963-64, 1966-80, 1982-83, 1986, 1994-99, 2001 to current year.

DISCHARGE MEASUREMENTS AND WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)
OCT 21...	0954	100.42	48	1.3	4.3	54	24.5
DEC 17...	0923	99.60	5.7	3.0	4.5	85	12.5
FEB 09...	1416	99.40	1.0	3.0	4.4	77	15.7
APR 05...	1450	99.72	7.6	1.7	4.4	74	20.7
JUN 06...	1517	99.12	.00	--	--	--	--
AUG 03...	1103	100.00	22	.7	3.7	54	26.3
SEP 19...	1605	99.77	10	.5	3.8	48	25.9

02312180 LITTLE WITHLACOOCHEE RIVER NEAR TARRYTOWN, FL

LOCATION.--Lat 28° 31'17", long 82° 03'18", in NE 1/4 sec.1, T.23 S., R.22 E., Sumter County, Hydrologic Unit 03100208, near center of span on downstream side of bridge on State Highway 471, 2.3 mi south of Tarrytown, 3.1 mi southwest of Linden, and 14 mi upstream from mouth.

DRAINAGE AREA.--85 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1966 to current year.

REVISED RECORDS.--WDR FL-72-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 80.00 ft above NGVD of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Records fair. Above bankfull stage, discharge measurements are made along State Highway 471 and include all culvert flow from 2.3 mi north to 2.8 mi south of gaging station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e776	112	52	22	9.5	7.4	22	1.4	0.00	199	279	187
2	e774	104	49	22	9.5	6.0	19	1.3	0.00	260	221	185
3	e761	95	46	22	9.3	5.6	16	1.0	0.00	320	187	189
4	e739	87	42	21	8.8	6.3	13	1.3	0.00	355	172	177
5	e714	83	38	20	8.7	5.8	11	2.4	0.46	364	155	164
6	e682	76	35	20	8.3	5.6	9.4	3.5	0.69	347	143	152
7	e640	68	33	19	7.8	5.4	8.3	2.9	0.62	314	153	143
8	e604	62	31	18	7.5	5.1	7.6	2.2	0.42	287	143	131
9	e570	56	29	18	6.7	5.3	6.7	1.7	0.38	310	128	120
10	e541	54	27	16	6.3	6.5	5.5	1.4	0.45	388	118	107
11	e518	50	25	15	5.7	6.1	4.5	1.0	1.9	409	126	94
12	e497	48	23	15	5.3	5.7	3.8	0.79	4.3	439	111	80
13	e473	48	21	14	4.8	5.1	3.3	0.68	8.5	513	97	70
14	e450	52	20	17	4.5	5.3	2.8	0.65	9.5	487	88	60
15	e426	55	18	19	4.3	5.8	2.4	0.59	8.9	481	89	51
16	e401	61	17	18	4.1	5.6	2.0	0.50	8.8	481	112	44
17	e380	64	16	17	3.9	8.6	1.7	0.37	9.8	428	161	38
18	e362	65	15	16	3.6	11	1.4	0.24	10	413	202	32
19	e340	64	15	15	3.3	11	1.2	0.12	11	368	250	27
20	e319	61	13	15	3.2	9.7	0.89	0.02	11	334	335	24
21	e294	58	12	15	2.9	9.7	0.70	0.00	12	304	342	24
22	e271	54	12	14	2.8	11	0.55	0.00	27	271	320	23
23	e245	51	12	14	2.7	17	0.54	0.00	37	260	329	23
24	e218	48	13	13	2.6	21	0.57	0.00	42	264	293	21
25	e193	52	16	12	2.7	21	0.43	0.00	55	238	248	18
26	e174	53	22	12	2.7	27	0.73	0.00	61	206	220	16
27	159	53	21	12	6.2	40	2.3	0.00	64	183	207	15
28	148	55	22	11	8.9	39	2.0	0.00	81	166	215	15
29	137	55	21	11	---	33	1.7	0.00	106	168	219	24
30	129	54	21	11	---	28	1.4	0.00	150	244	204	30
31	120	---	22	9.9	---	25	---	0.00	---	355	192	---
TOTAL	13,055	1,898	759	493.9	156.6	404.6	153.41	24.06	721.72	10,156	6,059	2,284
MEAN	421	63.3	24.5	15.9	5.59	13.1	5.11	0.78	24.1	328	195	76.1
MAX	776	112	52	22	9.5	40	22	3.5	150	513	342	189
MIN	120	48	12	9.9	2.6	5.1	0.43	0.00	0.00	166	88	15
CFSM	4.95	0.74	0.29	0.19	0.07	0.15	0.06	0.01	0.28	3.85	2.30	0.90
IN.	5.71	0.83	0.33	0.22	0.07	0.18	0.07	0.01	0.32	4.44	2.65	1.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2005, BY WATER YEAR (WY)

	72.4	20.8	30.6	43.2	40.5	57.2	35.5	5.79	13.0	41.5	72.3	111
MEAN	72.4	20.8	30.6	43.2	40.5	57.2	35.5	5.79	13.0	41.5	72.3	111
MAX	421	159	386	386	285	351	329	68.6	129	376	496	561
(WY)	(2005)	(1970)	(1998)	(1998)	(1998)	(1998)	(1987)	(1987)	(1991)	(2003)	(2003)	(2004)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(1981)	(1971)	(1971)	(1981)	(1981)	(1981)	(1968)	(1967)	(1971)	(1971)	(1987)	(1990)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1967 - 2005

ANNUAL TOTAL	37,910.08	36,165.29	
ANNUAL MEAN	104	99.1	45.3
HIGHEST ANNUAL MEAN			175
LOWEST ANNUAL MEAN			0.00
HIGHEST DAILY MEAN	1,120	Oct 1	1,180
LOWEST DAILY MEAN	0.00	Many days	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	May 30	0.00
MAXIMUM PEAK FLOW			1,210
MAXIMUM PEAK STAGE			6.58
ANNUAL RUNOFF (CFSM)	1.22	1.17	0.533
ANNUAL RUNOFF (INCHES)	16.59	15.83	7.25
10 PERCENT EXCEEDS	409	331	145
50 PERCENT EXCEEDS	13	21	2.2
90 PERCENT EXCEEDS	0.00	0.85	0.00

e Estimated

02312180 LITTLE WITHLACOOCHEE RIVER NEAR TARRYTOWN, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1969-71, 1973, 1984, 1986-89, 1991, 1999, 2001 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (90410)	
Date		Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat fltr mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Strontium, water, fltrd, ug/L (01080)
OCT 26...	1510	5.02	169	2.3	4.6	60	23.1	--	--	--	--	--	--	--
DEC 17...	1437	4.20	17	8.0	5.3	77	14.0	--	--	--	--	--	--	--
FEB 09...	1142	3.79	6.7	.1	6.6	71	15.5	--	--	--	--	--	--	--
APR 05...	1317	3.99	10	2.7	5.5	73	19.5	--	--	--	--	--	--	--
JUN 06...	1340	3.37	.71	3.9	6.3	101	25.3	20	6.51	.993	.49	3.43	7	
AUG 03...	0837	5.15	409	--	--	--	--	--	--	--	--	--	--	--
11...	1025	4.97	130	--	--	--	--	--	--	--	--	--	--	--
17...	0830	5.05	158	3.1	5.0	47	26.6	--	--	--	--	--	--	--
SEP 19...	1430	4.35	26	3.8	5.2	45	26.3	16	5.10	.888	.16	3.28	6	
OCT 26...	--	--	--	--	--	1.4	E.03	M	E.011	<.02	E.04	--	--	--
DEC 17...	--	--	--	--	--	1.4	<.04	<.06	.008	<.02	<.04	--	--	--
FEB 09...	--	--	--	--	--	1.1	<.04	<.06	E.004	<.02	E.03	--	--	--
APR 05...	--	--	--	--	--	1.2	<.04	<.06	E.005	<.02	<.04	--	--	--
JUN 06...	9.20	<.1	1.57	3.0	92	1.3	.09	<.06	E.005	.03	.08	35.5	16.4	
AUG 03...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--	--
17...	--	--	--	--	--	1.1	<.04	<.06	E.004	<.02	E.03	--	--	--
SEP 19...	6.41	<.1	1.37	.3	96	1.2	<.04	<.06	E.005	<.18	E.04	33.8	13.6	

02312200 LITTLE WITHLACOCHEE RIVER AT RERDELL, FL

LOCATION.--Lat 28° 34'21", long 82° 09'20", in SE 1/4 sec.13, T.22 S., R.21 E., Hernando County, Hydrologic Unit 03100208, near center of span on upstream side of bridge on U.S. Highway 301, 0.2 mi north of Rerdell, and 4.8 mi upstream from mouth.

DRAINAGE AREA.--145 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1958 to current year.

REVISED RECORDS.--WDR FL-72-3: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 59.02 ft above NGVD of 1929.

REMARKS.--Records fair. A maximum discharge, 959 ft³/s and stage 10.32 ft, occurred on Oct. 1, stage falling, peak occurred peak occurred Sept. 30, 2004. Above bankfull stage, discharge measurements are made along U.S. Highway 301 and include all flow from 3.4 mi north to 1.8 mi south of gaging station.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	954	162	74	41	23	23	56	9.7	19	188	379	353
2	929	156	71	40	23	23	57	9.3	17	210	410	338
3	885	150	68	39	22	23	56	8.3	18	239	405	317
4	830	144	65	38	22	25	50	14	24	284	377	292
5	789	139	61	37	22	24	44	24	45	356	344	270
6	755	133	58	36	20	22	40	31	74	375	319	254
7	717	127	56	35	20	21	36	28	69	359	333	249
8	674	122	53	35	20	20	32	25	58	345	342	231
9	631	117	50	33	19	21	29	22	49	351	326	213
10	585	112	48	32	18	22	26	23	45	413	298	196
11	552	106	46	32	14	21	23	22	46	419	265	179
12	531	98	42	31	12	20	21	18	61	451	236	165
13	508	95	39	30	11	19	19	15	80	487	217	152
14	484	94	37	46	11	19	17	13	87	551	200	141
15	464	94	35	56	11	22	15	12	77	616	183	130
16	443	91	33	52	11	23	13	10	68	634	167	118
17	417	88	31	48	11	29	12	8.6	59	640	157	105
18	391	87	30	45	11	37	11	7.3	60	625	158	95
19	369	86	28	42	10	38	10	6.7	67	598	176	88
20	350	86	28	41	10	37	9.6	6.9	57	568	203	83
21	334	84	27	39	9.7	36	9.0	7.9	55	535	229	83
22	317	82	25	38	9.8	36	8.3	6.9	65	488	258	79
23	298	79	25	37	9.9	49	8.7	5.9	67	441	284	78
24	276	75	27	33	10	59	9.0	5.4	66	410	300	76
25	253	89	29	31	12	59	8.2	5.2	71	387	305	71
26	232	88	41	30	13	69	8.6	4.3	82	358	302	66
27	213	82	43	28	18	69	13	4.0	88	325	301	61
28	196	81	43	27	23	67	12	3.9	104	285	301	64
29	188	79	42	26	---	65	10	3.7	127	266	316	97
30	178	77	42	26	---	63	9.2	3.3	175	272	315	92
31	169	---	43	24	---	60	---	12	---	311	322	---
TOTAL	14,912	3,103	1,340	1,128	426.4	1,121	672.6	376.3	1,980	12,787	8,728	4,736
MEAN	481	103	43.2	36.4	15.2	36.2	22.4	12.1	66.0	412	282	158
MAX	954	162	74	56	23	69	57	31	175	640	410	353
MIN	169	75	25	24	9.7	19	8.2	3.3	17	188	157	61
CFSM	3.32	0.71	0.30	0.25	0.11	0.25	0.15	0.08	0.46	2.84	1.94	1.09
IN.	3.83	0.80	0.34	0.29	0.11	0.29	0.17	0.10	0.51	3.28	2.24	1.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2005, BY WATER YEAR (WY)

MEAN	109	36.7	45.3	70.9	78.3	128	74.2	18.5	31.1	72.8	123	172
MAX	488	242	461	661	518	1,045	469	122	249	538	695	707
(WY)	(1961)	(1970)	(1998)	(1998)	(1998)	(1960)	(1987)	(1959)	(1966)	(2003)	(1960)	(1960)
MIN	0.24	0.53	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.04
(WY)	(1962)	(1962)	(2001)	(2001)	(2001)	(1985)	(2000)	(1985)	(1981)	(1992)	(1997)	(1997)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1958 - 2005

ANNUAL TOTAL	50,158.7	51,310.3	
ANNUAL MEAN	137	141	80.3
HIGHEST ANNUAL MEAN			312
LOWEST ANNUAL MEAN			1.79
HIGHEST DAILY MEAN	972	Sep 30	3,380
LOWEST DAILY MEAN	2.4	Jun 1, 2	0.00
ANNUAL SEVEN-DAY MINIMUM	2.6	May 31	0.00
MAXIMUM PEAK FLOW			641
MAXIMUM PEAK STAGE			8.51
INSTANTANEOUS LOW FLOW			3.1
ANNUAL RUNOFF (CFSM)	0.945	0.969	0.554
ANNUAL RUNOFF (INCHES)	12.87	13.16	7.52
10 PERCENT EXCEEDS	500	382	235
50 PERCENT EXCEEDS	43	59	17
90 PERCENT EXCEEDS	7.0	11	0.74

02312200 LITTLE WITHLACOOCHEE RIVER AT RERDELL, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
NOV 03...	1245	4.49	151	500	2.0	6.5	120	23.7	58	21.1	1.38
DEC 14...	1002	3.35	38	200	4.2	6.4	174	14.9	83	30.4	1.71
FEB 07...	1800	2.59	21	150	6.4	6.8	261	16.6	130	48.2	1.93
APR 05...	0952	3.23	43	150	5.3	7.3	212	18.4	110	39.5	1.93
JUN 01...	1743	2.27	17	45	5.4	7.5	334	26.2	160	61.1	2.15
JUL 19...	1235	8.23	566	400	2.9	6.5	86	27.5	42	15.1	1.04
SEP 12...	1200	4.56	161	150	2.7	7.1	128	25.6	65	24.0	1.24

Date	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
NOV 03...	1.08	4.48	43	8.33	E.1	2.91	.6	131	1.3	.10	.08
DEC 14...	.39	5.16	70	10.1	E.1	3.15	.9	155	1.1	E.04	.06
FEB 07...	.23	5.98	119	11.5	.1	2.52	1.7	179	.72	E.04	E.04
APR 05...	.20	6.23	86	12.2	E.1	2.34	1.2	150	.89	E.03	<.06
JUN 01...	.57	5.73	154	10.1	.1	8.10	.7	200	.69	E.02	E.03
JUL 19...	.40	3.34	28	6.29	<.1	2.83	.5	112	1.2	<.04	<.06
SEP 12...	.53	3.62	50	6.75	E.1	3.35	.7	116	1.1	.04	.06

Date	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, unfltrd mg/L (00680)	Strontium, water, fltrd, ug/L (01080)
NOV 03...	E.007	.02	.08	45.4	26.1
DEC 14...	.008	<.02	.07	28.4	37.3
FEB 07...	<.008	E.01	.04	18.9	54.3
APR 05...	<.008	<.02	.04	--	46.3
JUN 01...	<.008	<.02	.05	--	71.7
JUL 19...	E.004	<.02	.06	--	19.5
SEP 12...	E.004	.02	.06	--	27.9

02312300 WITHLACOCHEE RIVER AT RITAL, FL.

LOCATION.--Lat 28° 31'15", long 82° 12'34" (1927 North American datum), in NE 1/4 sec.4, T.23 S., R.21 E., Hernando County, Hydrologic Unit 03100208, on right bank, 0.5 mi downstream from State Highway 50, 0.6 mi east of Rital, and 83 mi upstream from mouth.

DRAINAGE AREA.--629 mi².

PERIOD OF RECORD.--March 2004 to current year.

GAGE.--Water-stage recorder. Datum of gage has not been determined.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Maximum discharge 3,030 cfs, Oct. 1-5, stage falling, peak occurred Sept. 29, 2004; maximum peak discharge, 1,630 cfs, July 19, gage height, 54.61 ft.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,020	973	320	211	161	144	208	94	73	389	900	610
2	3,020	874	317	210	159	143	210	92	74	430	845	607
3	3,020	859	312	211	160	141	207	90	76	467	766	592
4	3,020	803	304	210	161	142	202	91	78	516	695	566
5	3,020	712	298	205	160	145	196	92	79	576	625	535
6	3,010	677	302	203	157	146	187	93	80	624	571	506
7	3,000	645	316	201	155	146	178	90	89	661	543	485
8	2,970	615	314	200	152	145	168	87	96	696	503	473
9	2,930	587	304	198	149	145	159	85	95	731	465	471
10	2,880	558	295	195	146	146	150	82	96	799	430	473
11	2,820	532	279	e190	142	145	141	80	98	873	398	473
12	2,750	509	268	186	140	144	133	79	105	962	369	469
13	2,670	490	260	184	136	140	127	78	117	1,070	344	462
14	2,590	481	250	192	134	139	121	78	128	1,180	325	449
15	2,500	458	242	197	132	141	115	77	133	1,310	313	432
16	2,420	439	235	196	130	143	109	76	140	1,430	309	414
17	2,330	424	230	192	128	149	105	74	153	1,520	301	394
18	2,250	410	226	188	126	158	102	73	169	1,570	313	373
19	2,160	395	222	184	124	160	99	71	186	1,610	356	352
20	2,060	382	217	181	122	160	96	70	203	1,630	408	331
21	1,980	369	212	181	120	160	93	69	220	1,620	445	310
22	1,890	356	208	181	119	161	90	68	234	1,600	461	290
23	1,800	345	207	181	118	174	89	67	254	1,550	488	280
24	1,700	337	205	179	117	185	88	66	275	1,500	520	270
25	1,600	341	205	176	117	187	85	65	291	1,440	520	257
26	1,490	337	215	174	118	200	85	64	296	1,350	519	241
27	1,400	329	219	172	125	208	96	63	288	1,260	519	226
28	1,300	325	218	171	140	211	101	62	306	1,160	527	214
29	1,210	323	216	170	---	213	99	61	320	1,060	580	242
30	1,130	324	215	168	---	211	96	61	354	982	627	279
31	1,050	---	213	165	---	209	---	66	---	926	623	---
TOTAL	70,990	15,209	7,844	5,852	3,848	5,041	3,935	2,364	5,106	33,492	15,608	12,076
MEAN	2,290	507	253	189	137	163	131	76.3	170	1,080	503	403
MAX	3,020	973	320	211	161	213	210	94	354	1,630	900	610
MIN	1,050	323	205	165	117	139	85	61	73	389	301	214
CFSM	3.64	0.81	0.40	0.30	0.22	0.26	0.21	0.12	0.27	1.72	0.80	0.64
IN.	4.20	0.90	0.46	0.35	0.23	0.30	0.23	0.14	0.30	1.98	0.92	0.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

	2004	2005	2005	2005	2005	2005	2005	2004	2005	2005	2005	2004
MEAN	2,290	507	253	189	137	272	131	80.6	122	593	407	1,327
MAX	2,290	507	253	189	137	381	131	85.0	170	1,080	503	2,252
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2004)	(2005)	(2005)	(2005)	(2004)
MIN	2,290	507	253	189	137	163	130	76.3	73.0	105	310	403
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2005)	(2004)	(2004)	(2004)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2004 - 2005

ANNUAL TOTAL						181,365						
ANNUAL MEAN						497				497		
HIGHEST ANNUAL MEAN										497		2005
LOWEST ANNUAL MEAN										497		2005
HIGHEST DAILY MEAN				3,030	Sep 30		3,020	Oct 1-5		3,030	Sep 30, 2004	
LOWEST DAILY MEAN				56	Jun 7		61	May 29, 30		56	Jun 7, 8, 2004	
ANNUAL SEVEN-DAY MINIMUM				58	Jun 2		63	May 24		58	Jun 2, 2004	
MAXIMUM PEAK FLOW							1,630	Jul 19		3,040	Sep 29, 2004	
MAXIMUM PEAK STAGE							54.63	Jul 20		58.73	Sep 30, 2004	
ANNUAL RUNOFF (CFSM)							0.790			0.790		
ANNUAL RUNOFF (INCHES)							10.73			10.73		
10 PERCENT EXCEEDS							1,410			1,410		
50 PERCENT EXCEEDS							218			218		
90 PERCENT EXCEEDS							90			90		

e Estimated

WITHLACOCHEE RIVER BASIN

02312500 WITHLACOCHEE RIVER AT CROOM, FL

LOCATION.--Lat 28° 35'33", long 82° 13'20", in NE $\frac{1}{4}$ sec.8, T.22 S., R.21 E., Hernando County, Hydrologic Unit 03100208, on left bank at upstream side of abandoned highway bridge, 0.4 mi northwest of Croom, 2.3 mi downstream from Little Withlacoochee River, 4.5 mi southeast of Nobleton, and 77 mi upstream from mouth.

DRAINAGE AREA.--810 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WDR FL-72-3: Drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 38.94 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Feb. 2, 1940, nonrecording gage at railroad bridge 500 ft upstream at same datum.

REMARKS.--Records fair. Records include water diverted from ground-water supplies (see station 02311700). High-water diversion in headwaters (station 02311000).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in June 1934 reached a stage of 15.2 ft, from floodmark, discharge not determined.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,100	1,270	483	326	228	182	270	135	106	490	1,190	895
2	e4,220	1,200	478	322	223	185	279	132	109	544	1,200	895
3	e4,180	1,130	471	319	220	185	276	129	110	617	1,160	877
4	e4,130	1,070	463	317	218	186	269	135	114	686	1,100	844
5	4,010	1,030	454	313	216	187	261	148	122	764	1,010	805
6	3,960	974	449	308	213	186	252	155	133	860	927	769
7	3,890	920	451	304	210	186	243	153	149	914	898	733
8	3,800	871	455	300	206	184	233	149	158	951	867	710
9	3,700	835	452	296	202	185	224	143	161	1,000	833	687
10	3,580	802	446	291	199	186	214	138	161	1,070	783	660
11	3,470	768	437	286	195	185	203	134	161	1,140	727	640
12	3,350	737	424	281	190	184	194	131	166	1,200	e674	618
13	3,230	703	412	276	185	181	185	126	182	1,290	625	598
14	3,120	684	399	292	181	179	177	122	197	1,410	e582	575
15	3,040	663	387	300	177	179	169	119	207	1,550	545	550
16	2,930	640	375	300	175	181	162	116	212	1,690	515	522
17	2,830	617	365	295	172	188	155	113	215	1,780	493	497
18	2,740	599	356	287	170	196	149	110	225	1,840	489	472
19	2,640	581	349	280	167	202	144	107	239	1,880	500	448
20	2,540	563	342	274	164	204	139	103	251	1,910	555	429
21	2,450	547	334	269	161	205	135	101	263	1,910	612	413
22	2,310	531	327	267	158	206	131	100	277	1,870	662	394
23	2,180	515	323	264	157	214	130	98	294	1,820	709	378
24	2,050	504	322	260	155	228	130	96	311	1,770	763	364
25	1,940	513	322	255	156	239	127	94	330	1,700	772	350
26	1,820	516	328	250	158	254	126	93	360	1,600	775	334
27	1,710	508	334	246	164	266	133	90	361	1,510	778	318
28	1,600	501	336	242	176	273	136	88	375	1,400	809	308
29	1,510	493	334	239	---	275	137	87	403	1,310	855	322
30	1,420	489	331	236	---	275	136	84	447	1,270	871	342
31	1,340	---	329	232	---	272	---	91	---	1,200	886	---
TOTAL	89,790	21,774	12,068	8,727	5,196	6,438	5,519	3,620	6,799	40,946	24,165	16,747
MEAN	2,896	726	389	282	186	208	184	117	227	1,321	780	558
MAX	4,220	1,270	483	326	228	275	279	155	447	1,910	1,200	895
MIN	1,340	489	322	232	155	179	126	84	106	490	489	308

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2005, BY WATER YEAR (WY)

MEAN	698	300	272	339	334	488	403	167	167	386	686	930
MAX	2,896	1,050	1,957	3,234	1,738	3,633	2,484	1,015	1,045	2,091	3,470	3,691
(WY)	(2005)	(1960)	(1998)	(1998)	(1998)	(1960)	(1960)	(1959)	(1959)	(1959)	(1960)	(1950)
MIN	13.0	6.64	4.39	1.71	1.69	0.20	0.19	0.00	0.00	0.00	8.31	26.1
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(1992)	(2000)

02312500 WITHLACOOCHEE RIVER AT CROOM, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1940 - 2005	
ANNUAL TOTAL	263,860		241,789		431	
ANNUAL MEAN	721		662		1,551	
HIGHEST ANNUAL MEAN					1960	
LOWEST ANNUAL MEAN					2000	
HIGHEST DAILY MEAN	e4,220	Oct 2	e4,220	Oct 2	8,630	Mar 23, 1960
LOWEST DAILY MEAN	85	Jun 2	84	May 30	*0.00	
ANNUAL SEVEN-DAY MINIMUM	89	May 29	90	May 25	*0.00	
MAXIMUM PEAK FLOW					8,650	Mar 23, 1960
MAXIMUM PEAK STAGE					13.78	Mar 23, 1960
10 PERCENT EXCEEDS	2,840		1,690		1,100	
50 PERCENT EXCEEDS	232		328		201	
90 PERCENT EXCEEDS	129		135		43	

e Estimated
 * During 2000, 2001 water years

GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.65	7.78	5.62	4.73	4.11	3.70	4.54	3.16	2.80	5.94	7.84	7.23
2	---	7.65	5.59	4.70	4.07	3.72	4.62	3.13	2.83	6.18	7.85	7.24
3	---	7.53	5.55	4.69	4.04	3.72	4.60	3.09	2.84	6.46	7.79	7.19
4	---	7.41	5.50	4.68	4.03	3.74	4.53	3.16	2.89	6.70	7.66	7.10
5	11.57	7.32	5.45	4.65	4.02	3.74	4.46	3.32	2.98	6.94	7.48	6.99
6	11.51	7.21	5.43	4.62	4.00	3.74	4.38	3.40	3.11	7.21	7.31	6.88
7	11.42	7.09	5.44	4.59	3.97	3.73	4.30	3.37	3.30	7.34	7.24	6.78
8	11.30	6.97	5.46	4.57	3.94	3.72	4.21	3.32	3.39	7.42	7.16	6.70
9	11.18	6.87	5.44	4.54	3.90	3.72	4.12	3.26	3.42	7.51	7.07	6.62
10	11.01	6.78	5.41	4.51	3.87	3.74	4.02	3.19	3.42	7.65	6.92	6.53
11	10.87	6.68	5.35	4.47	3.83	3.73	3.91	3.15	3.41	7.77	6.76	6.47
12	10.71	6.59	5.26	4.44	3.77	3.71	3.81	3.11	3.47	7.90	6.58	6.39
13	10.54	6.48	5.18	4.40	3.72	3.68	3.72	3.05	3.64	8.06	6.42	6.31
14	10.38	6.41	5.10	4.54	3.68	3.66	3.63	3.00	3.79	8.25	---	6.22
15	10.26	6.35	5.03	4.62	3.64	3.66	3.55	2.96	3.88	8.47	6.10	6.12
16	10.10	6.27	4.96	4.63	3.61	3.68	3.47	2.93	3.93	8.66	5.97	6.01
17	9.95	6.19	4.90	4.59	3.59	3.75	3.39	2.89	3.96	8.79	5.87	5.88
18	9.80	6.12	4.85	4.53	3.56	3.84	3.33	2.85	4.05	8.86	5.85	5.75
19	9.64	6.04	4.80	4.48	3.52	3.90	3.27	2.80	4.18	8.91	5.90	5.62
20	9.49	5.97	4.75	4.43	3.49	3.92	3.21	2.76	4.29	8.94	6.14	5.49
21	9.38	5.91	4.70	4.40	3.46	3.93	3.16	2.73	4.39	8.94	6.37	5.39
22	9.23	5.84	4.66	4.39	3.43	3.95	3.11	2.71	4.51	8.89	6.54	5.26
23	9.08	5.78	4.64	4.37	3.41	4.02	3.10	2.69	4.65	8.82	6.70	5.15
24	8.92	5.72	4.64	4.35	3.40	4.16	3.10	2.66	4.78	8.75	6.87	5.06
25	8.78	5.76	4.64	4.31	3.41	4.27	3.07	2.64	4.93	8.66	6.89	4.96
26	8.62	5.78	4.70	4.27	3.42	4.41	3.04	2.61	5.15	8.52	6.90	4.85
27	8.47	5.74	4.75	4.24	3.50	4.51	3.14	2.57	5.15	8.37	6.91	4.72
28	8.32	5.71	4.77	4.21	3.63	4.57	3.18	2.55	5.24	8.21	7.00	4.63
29	8.17	5.67	4.77	4.19	---	4.59	3.19	2.53	5.42	8.06	7.13	4.75
30	8.03	5.64	4.75	4.17	---	4.59	3.17	2.50	5.70	7.98	7.18	4.90
31	7.91	---	4.74	4.14	---	4.57	---	2.59	---	7.86	7.21	---
MEAN	---	6.44	5.06	4.47	3.71	3.95	3.68	2.93	3.98	7.97	---	5.97
MAX	---	7.78	5.62	4.73	4.11	4.59	4.62	3.40	5.70	8.94	---	7.24
MIN	---	5.64	4.64	4.14	3.40	3.66	3.04	2.50	2.80	5.94	---	4.63

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1956, 1960-61, 1963, 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
OCT 19...	1021	9.66	2,650	--	1.8	6.4	96	22.7	39	13.2	1.45	2.46	3.83
OCT 20...	1220	9.48	2,500	250	2.0	6.0	94	23.6	41	13.8	1.50	2.43	4.01
DEC 13...	1228	5.18	396	250	4.9	6.5	225	17.8	110	38.3	2.75	1.26	6.25
FEB 08...	1108	3.94	198	150	6.8	7.1	273	17.8	130	47.4	3.02	.88	6.75
APR 06...	1012	4.40	260	150	5.8	7.3	234	21.6	110	40.0	2.90	.87	7.87
JUN 01...	1145	2.81	104	45	5.6	7.6	317	27.2	150	54.3	3.34	.55	5.72
JUL 26...	0957	8.54	1,640	250	2.8	6.5	91	27.9	43	15.1	1.39	.82	4.22
SEP 22...	0930	5.27	389	200	3.8	7.2	186	26.6	88	31.7	2.19	1.02	5.44

Date	ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (90410)	Bromide, water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
OCT 19...	--	.35	6.76	--	3.92	.7	--	--	.15	<.06	.008	.12	--
OCT 20...	30	--	6.95	.1	4.03	.6	117	1.7	.17	<.06	E.007	.13	.21
DEC 13...	93	--	10.7	.1	6.09	3.8	179	.90	E.03	.16	E.007	.04	.07
FEB 08...	120	--	11.7	.1	5.11	5.8	183	.64	<.04	.14	E.004	.03	.06
APR 06...	90	--	14.2	.1	4.07	3.9	169	.88	E.03	.07	<.008	.02	.07
JUN 01...	140	--	9.11	.1	5.84	6.5	181	.35	.04	<.06	<.008	.02	.05
JUL 26...	28	--	7.16	E.1	3.96	.7	127	1.3	E.03	E.03	E.005	.09	.16
SEP 22...	76	--	9.04	.1	5.88	2.2	162	.99	E.03	.09	E.006	.06	.11

Date	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Strontium, water, fltrd, ug/L (01080)
OCT 19...	32.0	--	34.5
OCT 20...	--	39.4	37.0
DEC 13...	--	22.7	113
FEB 08...	--	15.1	139
APR 06...	--	--	111
JUN 01...	--	--	170
JUL 26...	--	--	35.5
SEP 22...	--	--	81.6

02312558 WITHLACOOCHEE RIVER AT NOBLETON, FL.

LOCATION.--Lat 28° 38'39", long 82° 15'26" (1927 North American datum), in SE¹/₄ sec.24, T.21 S., R.20 E., Hernando County, Hydrologic Unit 03100208, near left bank on downstream side of bridge on County Road 476, 0.3 mi southeast of Nobleton, and 71 mi upstream from mouth.

DRAINAGE AREA.--816 mi².

PERIOD OF RECORD.--March 2004 to current year.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,220	1,320	468	292	237	197	306	156	124	465	1,260	881
2	4,350	1,250	462	290	234	199	326	156	127	504	1,230	887
3	4,300	1,180	453	287	230	200	321	153	130	542	1,210	884
4	4,240	1,090	444	285	230	205	311	164	137	592	1,180	865
5	4,170	1,030	436	282	227	204	300	183	143	640	1,110	841
6	4,090	976	427	279	226	203	290	193	144	704	1,050	818
7	4,010	927	420	276	223	201	279	191	150	766	1,020	797
8	3,920	885	417	274	220	199	274	187	157	822	991	774
9	3,800	851	412	271	216	201	263	184	163	900	952	748
10	3,670	819	411	269	215	203	252	179	168	976	915	725
11	3,560	786	406	266	213	201	240	175	173	1,020	867	705
12	3,440	754	392	263	209	199	228	171	180	1,070	819	686
13	3,290	725	378	261	206	197	217	166	190	1,150	773	664
14	3,150	703	370	283	202	196	209	161	197	1,240	729	638
15	3,050	681	359	292	200	197	202	155	207	1,350	690	615
16	2,950	657	347	293	197	198	193	150	214	1,470	653	594
17	2,830	632	337	288	195	205	184	146	216	1,560	620	572
18	2,700	610	329	285	193	210	175	143	223	1,630	600	552
19	2,580	588	320	279	189	212	168	139	236	1,690	579	533
20	2,460	570	312	273	185	214	160	135	244	1,720	582	515
21	2,380	553	304	267	182	215	154	131	251	1,740	601	499
22	2,270	537	296	263	179	217	148	130	263	1,730	627	482
23	2,140	522	293	263	178	226	150	126	278	1,720	663	467
24	2,030	507	293	260	177	232	158	122	293	1,710	720	449
25	1,930	506	295	255	180	244	155	119	308	1,670	736	432
26	1,830	501	301	251	183	275	153	117	326	1,600	748	412
27	1,740	495	298	249	191	293	161	115	342	1,530	759	391
28	1,640	491	298	248	196	302	160	112	368	1,450	795	394
29	1,550	481	297	245	---	305	157	109	397	1,380	846	401
30	1,470	474	296	241	---	307	155	105	438	1,350	838	394
31	1,390	---	293	239	---	307	---	110	---	1,290	862	---
TOTAL	91,150	22,101	11,164	8,369	5,713	6,964	6,449	4,583	6,787	37,981	26,025	18,615
MEAN	2,940	737	360	270	204	225	215	148	226	1,225	840	620
MAX	4,350	1,320	468	293	237	307	326	193	438	1,740	1,260	887
MIN	1,390	474	293	239	177	196	148	105	124	465	579	391
CFSM	3.60	0.90	0.44	0.33	0.25	0.28	0.26	0.18	0.28	1.50	1.03	0.76
IN.	4.16	1.01	0.51	0.38	0.26	0.32	0.29	0.21	0.31	1.73	1.19	0.85

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	2,940	737	360	270	204	408	220	138	158	683	603	1,585
MAX	2,940	737	360	270	204	592	225	148	226	1,225	840	2,549
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2004)
MIN	2,940	737	360	270	204	225	215	128	89.2	141	367	620
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2004 - 2005

ANNUAL TOTAL												
ANNUAL MEAN												
HIGHEST ANNUAL MEAN												
LOWEST ANNUAL MEAN												
HIGHEST DAILY MEAN	4,080	Sep 30					4,350	Oct 2		4,350	Oct 2	2,204
LOWEST DAILY MEAN	71	Jun 9					105	May 30		71	Jun 9	2004
ANNUAL SEVEN-DAY MINIMUM	77	Jun 4					112	May 25		77	Jun 4	2004
MAXIMUM PEAK FLOW							4,410	Oct 2		4,410	Oct 2	2,204
MAXIMUM PEAK STAGE							46.24	Oct 2		46.24	Oct 2	2,204
ANNUAL RUNOFF (CFSM)							0.826			0.826		
ANNUAL RUNOFF (INCHES)							11.21			11.22		
10 PERCENT EXCEEDS							1,610			1,610		
50 PERCENT EXCEEDS							307			307		
90 PERCENT EXCEEDS							159			159		

WITHLACOOCHEE RIVER BASIN

02312600 WITHLACOOCHEE RIVER NEAR FLORAL CITY, FL

LOCATION.--Lat 28° 44'36", long 82° 13'13", in SE¹/₄ sec.17, T.20 S., R.21 E., Citrus County, Hydrologic Unit 03100208, on left bank on upstream shoreward corner of pavillion at Trails End Camp, 1.1 mi downstream from diversions to Tsala Apopka Lake, 4.7 mi east of Floral City, and 62 mi upstream from mouth.

DRAINAGE AREA.--995 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1958 to January 1965 (gage heights only), February 1965 to September 1983 (discharge measurements and gage heights only); October 1983 to current year.

REVISED RECORDS.--WDR FL-72-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Prior to Oct. 1, 1983, nonrecording gage at same site and datum.

REMARKS.--Records fair. Discharge published is for site at bridge on State Highway 48 about 2 mi upstream from gage and about 1 mi upstream from diversions to Tsala Apopka Lake through Leslie Heifner and Orange State Canals. High-water diversion in headwaters (station 02311000).

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,540	1,680	514	333	286	237	318	215	153	448	1,480	897
2	3,680	1,590	502	331	283	234	339	212	154	492	1,430	901
3	3,690	1,470	490	328	281	235	336	207	158	523	1,420	899
4	3,690	1,320	480	327	278	238	329	218	163	555	1,400	890
5	3,690	1,240	470	325	274	238	325	256	166	594	1,330	879
6	3,680	1,170	461	323	272	236	318	273	167	639	1,280	865
7	3,660	1,120	453	321	269	235	317	270	174	692	1,240	855
8	3,630	1,080	445	320	267	235	315	263	176	762	1,220	832
9	3,610	1,040	440	318	267	230	306	255	180	878	1,180	809
10	3,560	1,000	441	316	265	233	296	245	183	991	1,140	782
11	3,540	958	436	314	261	232	289	235	188	1,030	1,080	756
12	3,520	914	426	312	259	229	282	226	196	1,080	1,020	731
13	3,430	872	419	310	255	227	273	215	210	1,130	961	704
14	3,330	835	407	333	254	224	262	206	216	1,180	905	667
15	3,240	802	393	336	250	224	252	197	222	1,270	861	640
16	3,140	768	385	335	246	226	244	191	230	1,370	809	618
17	3,050	737	378	334	242	231	237	184	232	1,450	759	602
18	2,970	707	371	330	235	233	231	178	240	1,520	719	584
19	2,870	678	364	328	231	233	226	173	251	1,600	687	563
20	2,780	652	353	325	227	234	220	169	251	1,650	667	544
21	2,710	630	345	320	225	233	215	165	255	1,680	662	528
22	2,610	609	338	317	222	236	210	160	265	1,710	662	515
23	2,510	591	339	313	219	244	216	158	280	1,760	672	503
24	2,420	576	338	309	219	246	229	154	283	1,780	705	485
25	2,320	575	337	306	218	258	223	148	294	1,760	715	465
26	2,230	558	343	303	219	300	222	145	306	1,720	729	446
27	2,140	547	340	298	232	321	233	142	322	1,670	746	433
28	2,040	544	337	294	239	327	225	139	359	1,610	772	448
29	1,950	531	338	295	---	323	220	135	380	1,560	832	447
30	1,860	523	336	294	---	321	216	132	413	1,560	835	435
31	1,770	---	335	288	---	319	---	137	---	1,520	857	---
TOTAL	92,860	26,317	12,354	9,836	6,995	7,772	7,924	6,003	7,067	38,184	29,775	19,723
MEAN	2,995	877	399	317	250	251	264	194	236	1,232	960	657
MAX	3,690	1,680	514	336	286	327	339	273	413	1,780	1,480	901
MIN	1,770	523	335	288	218	224	210	132	153	448	662	433

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2005, BY WATER YEAR (WY)

MEAN	640	287	309	490	359	401	467	154	124	288	467	773
MAX	2,995	1,033	1,951	3,979	2,075	2,757	3,175	769	515	1,677	2,388	2,355
(WY)	(2005)	(1996)	(1998)	(1998)	(1998)	(1998)	(1987)	(1987)	(2003)	(2003)	(2003)	(1985)
MIN	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.47
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)

02312600 WITHLACOOCHEE RIVER NEAR FLORAL CITY, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1984 - 2005	
ANNUAL TOTAL	251,933		264,810			
ANNUAL MEAN	688		726		397	
HIGHEST ANNUAL MEAN					1,180	1998
LOWEST ANNUAL MEAN					17.0	2000
HIGHEST DAILY MEAN	3,690	Oct 3-5	3,690	Oct 3-5	4,900	Jan 8, 1998
LOWEST DAILY MEAN	87	Jun 30	132	May 30	*0.00	
ANNUAL SEVEN-DAY MINIMUM	88	Jun 25	140	May 25	*0.00	
MAXIMUM PEAK FLOW			3,710	Oct 3	5,010	Jan 8, 1998
MAXIMUM PEAK STAGE			44.64	Oct 3	a45.24	Mar 25, 1960
INSTANTANEOUS LOW FLOW			130	May 30, 31		
10 PERCENT EXCEEDS	2,610		1,690		1,020	
50 PERCENT EXCEEDS	250		338		168	
90 PERCENT EXCEEDS	99		215		6.0	

* During 1992, 2000-02 water years
a Observed

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44.55	42.98	41.12	40.55	40.35	40.23	40.72	40.48	40.22	41.23	42.76	41.93
2	44.63	42.88	41.08	40.54	40.34	40.22	40.80	40.47	40.23	41.31	42.69	41.94
3	44.63	42.74	41.05	40.53	40.34	40.22	40.80	40.45	40.25	41.36	42.68	41.94
4	44.63	42.56	41.02	40.53	40.32	40.25	40.78	40.51	40.28	41.41	42.66	41.92
5	44.62	42.45	41.00	40.52	40.31	40.25	40.76	40.67	40.31	41.48	42.58	41.90
6	44.60	42.36	40.97	40.51	40.30	40.24	40.75	40.73	40.31	41.55	42.50	41.88
7	44.59	42.28	40.94	40.50	40.30	40.24	40.74	40.72	40.36	41.64	42.46	41.86
8	44.56	42.22	40.92	40.50	40.29	40.24	40.75	40.71	40.37	41.75	42.43	41.82
9	44.54	42.16	40.91	40.49	40.29	40.23	40.72	40.68	40.39	41.92	42.37	41.78
10	44.50	42.10	40.91	40.48	40.29	40.25	40.69	40.65	40.42	42.09	42.31	41.73
11	44.49	42.03	40.90	40.47	40.27	40.24	40.67	40.62	40.44	42.15	42.23	41.67
12	44.46	41.96	40.86	40.46	40.27	40.23	40.65	40.59	40.49	42.22	42.14	41.63
13	44.40	41.89	40.84	40.45	40.25	40.22	40.62	40.55	40.55	42.30	42.04	41.57
14	44.33	41.82	40.81	40.55	40.25	40.22	40.58	40.52	40.57	42.38	41.95	41.49
15	44.27	41.76	40.76	40.56	40.24	40.21	40.55	40.49	40.60	42.50	41.87	41.43
16	44.20	41.70	40.74	40.56	40.22	40.23	40.52	40.45	40.63	42.63	41.77	41.38
17	44.14	41.64	40.71	40.55	40.20	40.26	40.50	40.42	40.63	42.72	41.68	41.34
18	44.08	41.58	40.69	40.54	40.17	40.28	40.48	40.38	40.66	42.80	41.60	41.29
19	44.01	41.51	40.67	40.53	40.15	40.28	40.46	40.35	40.70	42.89	41.53	41.24
20	43.95	41.45	40.63	40.52	40.14	40.29	40.43	40.33	40.70	42.94	41.49	41.20
21	43.89	41.40	40.60	40.50	40.13	40.29	40.41	40.30	40.72	42.98	41.48	41.15
22	43.81	41.36	40.57	40.49	40.12	40.31	40.39	40.27	40.75	43.00	41.48	41.12
23	43.74	41.31	40.58	40.47	40.11	40.36	40.43	40.25	40.80	43.06	41.50	41.09
24	43.66	41.28	40.57	40.45	40.11	40.37	40.51	40.23	40.81	43.08	41.57	41.04
25	43.58	41.27	40.57	40.44	40.12	40.43	40.48	40.18	40.84	43.06	41.59	40.98
26	43.50	41.23	40.59	40.43	40.12	40.62	40.48	40.16	40.88	43.01	41.62	40.93
27	43.42	41.20	40.58	40.40	40.19	40.70	40.54	40.14	40.93	42.96	41.66	40.89
28	43.33	41.19	40.57	40.39	40.23	40.73	40.51	40.11	41.03	42.90	41.70	40.93
29	43.25	41.16	40.57	40.39	---	40.72	40.50	40.08	41.09	42.85	41.82	40.93
30	43.16	41.14	40.56	40.38	---	40.72	40.48	40.05	41.16	42.84	41.82	40.89
31	43.07	---	40.56	40.36	---	40.72	---	40.10	---	42.80	41.86	---
MEAN	44.08	41.82	40.77	40.49	40.23	40.35	40.59	40.41	40.60	42.38	41.99	41.43
MAX	44.63	42.98	41.12	40.56	40.35	40.73	40.80	40.73	41.16	43.08	42.76	41.94
MIN	43.07	41.14	40.56	40.36	40.11	40.21	40.39	40.05	40.22	41.23	41.48	40.89
CAL YR	2004	MEAN 40.69	MAX 44.63	MIN 38.66								
WTR YR	2005	MEAN 41.27	MAX 44.63	MIN 40.05								

02312600 WITHLACOOCHEE RIVER NEAR FLORAL CITY, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966 to 2000, 2002 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, fltrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)
OCT 14...	1000	44.33	3,120	250	.2	6.4	90	24.5	38	13.0	1.32	2.22	3.33
20...	1515	43.94	2,780	--	.5	6.4	102	30.0	44	15.3	1.46	2.35	3.80
DEC 08...	1040	40.93	443	200	2.2	7.2	238	19.1	110	40.1	2.65	1.17	6.03
FEB 01...	1053	40.35	300	150	5.5	7.6	282	15.7	140	52.0	3.03	.80	7.08
MAR 22...	1036	40.31	227	80	6.1	7.2	290	19.8	150	53.3	3.07	.52	6.48
MAY 17...	0933	40.42	174	88	5.8	7.1	279	25.3	130	47.5	3.04	.50	6.01
JUL 19...	0832	42.88	1,720	250	1.3	6.2	90	27.7	40	14.1	1.25	.67	4.11
SEP 12...	1030	41.63	719	--	1.1	6.5	157	26.7	77	28.0	1.70	.81	4.31
Date	ANC, wat unfltrd fixed end pt, lab, mg/L as CaCO3 (90410)	Bromide, water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat fltrd mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
OCT 14...	29	--	5.98	E.1	3.82	.6	112	1.3	.17	<.06	E.007	.14	.21
20...	--	.35	6.64	--	4.18	.7	--	--	.17	<.06	.008	.14	--
DEC 08...	98	--	10.6	.1	6.60	3.6	168	.96	.06	.07	E.005	.04	.08
FEB 01...	128	--	11.3	.1	4.83	5.6	183	.74	E.02	.08	<.008	.02	E.03
MAR 22...	125	--	11.4	E.1	3.43	6.2	195	.63	<.04	<.06	<.008	E.01	.04
MAY 17...	115	--	9.96	.1	3.23	4.9	182	.50	<.04	<.06	<.008	<.02	.04
JUL 19...	26	--	7.35	<.1	3.72	1.0	131	1.3	E.03	<.06	E.005	.06	.11
SEP 12...	63	--	7.58	E.1	4.72	1.6	135	.95	E.04	E.05	E.005	.03	.09
Date	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Strontium, water, fltrd, ug/L (01080)										
OCT 14...	--	--	31.0										
20...	29.8	--	37.0										
DEC 08...	--	--	105										
FEB 01...	--	--	135										
MAR 22...	--	14.4	134										
MAY 17...	--	--	141										
JUL 19...	--	30.6	32.1										
SEP 12...	--	--	58.0										

02312640 JUMPER CREEK CANAL NEAR BUSHNELL, FL

LOCATION.--Lat 28°41'45", long 82°06'34", in NE 1/4 sec.4, T.21 S., R.22 E., Sumter County, Hydrologic Unit 03100208, near center of span on downstream side of bridge on State Highway 475, 2.2 mi north of Bushnell, and 10 mi upstream from mouth.

DRAINAGE AREA.--40 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to current year.

REVISED RECORDS.--WDR FL-81-3: 1980 (m).

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft above NGVD of 1929.

REMARKS.--Records fair except for periods of estimated daily discharge, which are poor. Diurnal fluctuation caused by mining operations upstream; daily flows are not affected appreciably.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e72	34	19	15	19	27	e26	14	18	47	e127	e85
2	e74	33	18	14	20	25	e26	13	18	44	e88	e92
3	e74	32	17	13	22	25	e29	16	16	40	e84	e114
4	e74	32	16	13	23	25	e30	22	15	39	e80	e100
5	e72	32	16	14	21	25	e30	31	15	39	e83	e88
6	e70	32	16	14	20	24	30	33	17	33	e84	e78
7	e68	30	15	15	21	24	31	29	13	30	e82	e70
8	e66	28	15	15	22	22	31	27	11	30	e79	e63
9	e64	27	15	16	23	20	31	25	11	33	e75	e57
10	e62	25	16	16	23	22	30	24	10	41	e72	e52
11	e62	25	15	16	22	23	29	20	11	49	e70	e48
12	e62	25	14	17	20	24	28	21	19	51	e68	e43
13	e62	23	13	16	19	25	27	21	41	49	e66	e38
14	e60	21	14	19	19	25	26	17	33	53	e63	e34
15	e58	19	14	18	19	25	25	19	30	50	e60	e30
16	e58	21	13	18	21	23	25	20	25	64	e58	e27
17	e54	22	13	17	22	21	25	15	22	58	e56	e24
18	e53	21	13	17	22	21	25	18	18	50	e55	e23
19	e51	21	14	17	22	21	24	16	16	47	e57	e22
20	49	22	13	16	22	22	21	16	16	60	e60	22
21	48	21	13	15	22	23	23	17	17	58	e62	22
22	48	21	13	15	22	22	19	15	18	49	e65	22
23	47	20	14	16	22	25	19	17	19	45	e67	22
24	45	20	13	15	25	26	16	14	19	58	e68	21
25	43	22	13	15	29	27	14	13	20	90	e67	21
26	41	21	15	15	31	30	18	15	20	87	e66	20
27	39	21	15	15	33	30	21	14	22	84	e65	20
28	38	21	15	15	32	27	22	12	58	80	e70	22
29	38	20	15	15	---	e24	22	12	58	85	e71	22
30	37	19	15	16	---	e25	18	14	56	104	e72	22
31	36	---	15	17	---	e26	---	15	---	136	e70	---
TOTAL	1,725	731	455	485	638	754	741	575	682	1,783	2,210	1,324
MEAN	55.6	24.4	14.7	15.6	22.8	24.3	24.7	18.5	22.7	57.5	71.3	44.1
MAX	74	34	19	19	33	30	31	33	58	136	127	114
MIN	36	19	13	13	19	20	14	12	10	30	55	20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

	23.8	19.9	19.2	21.4	25.4	27.1	24.5	18.1	18.0	22.9	26.0	27.9
MEAN	23.8	19.9	19.2	21.4	25.4	27.1	24.5	18.1	18.0	22.9	26.0	27.9
MAX	59.8	43.3	54.6	64.4	104	102	70.2	57.2	45.7	67.5	78.1	71.4
(WY)	(1996)	(1970)	(1970)	(1970)	(1970)	(1998)	(1987)	(1983)	(1983)	(1966)	(2003)	(2003)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2000)	(2000)	(2000)	(1992)	(2000)	(2000)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1964 - 2005	
ANNUAL TOTAL	6,928.5		12,103			
ANNUAL MEAN	18.9		33.2		22.8	
HIGHEST ANNUAL MEAN					47.0	
LOWEST ANNUAL MEAN					0.37	
HIGHEST DAILY MEAN	90	Sep 27	136	Jul 31	235	Feb 18, 1998
LOWEST DAILY MEAN	3.8	Jun 9, 11, 12	10	Jun 10	*0.00	
ANNUAL SEVEN-DAY MINIMUM	4.1	Jun 7	13	Jun 5	*0.00	
MAXIMUM PEAK FLOW			141	Jul 31	238	Feb 18, 1998
MAXIMUM PEAK STAGE			6.90	Jul 31	7.21	Feb 18, 1998
INSTANTANEOUS LOW FLOW			9.8	Jun 10, 11		
10 PERCENT EXCEEDS	44		68		42	
50 PERCENT EXCEEDS	14		23		20	
90 PERCENT EXCEEDS	6.1		15		2.1	

e Estimated

*During 1992, 2000-02 water years

WITHLACOCHEE RIVER BASIN

02312640 JUMPER CREEK CANAL NEAR BUSHNELL, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-88, 1991, 1999 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Organic carbon, water, unfltrd mg/L (00680)
OCT 19...	1250	4.17	54	6.7	5.8	326	24.8	--
DEC 14...	1322	3.51	14	10.6	8.2	455	17.3	--
FEB 07...	1255	3.63	23	--	7.8	386	16.9	--
APR 05...	0939	4.09	30	3.4	7.5	372	19.7	--
JUN 06...	1130	3.97	17	7.6	6.9	370	25.7	5.7
AUG 02...	1333	5.69	93	4.3	7.1	280	29.2	--
SEP 19...	1215	3.32	22	6.3	7.6	340	25.8	8.0

02312667 SHADY BROOK NEAR SUMTERVILLE, FL

LOCATION.--Lat 28° 46' 12", long 82° 03' 50", in NW 1/4 sec. 12, T.20 S., R.22 E., Sumter County, Hydrologic Unit 03100208, on right bank in Thompkins Park, 400 ft upstream from bridge on U.S. Highway 301, and 1.7 mi north of Sumterville.

DRAINAGE AREA.--8.0 mi², approximately.

PERIOD OF RECORD.--1932-33, 1946, 1956, 1961, 1965-67, 1980-81 (miscellaneous discharge measurements), March 1982 to September 1992, October 1993 to current year. Prior to November 1980, published as Panasoffkee River near Sumterville.

GAGE.--Water-stage recorder. Datum of gage is 4.30 ft below NGVD of 1929 (levels by Southwest Florida Water Management District). Prior to Oct. 1, 1994 at datum 4.30 ft higher.

REMARKS.--Records poor. A maximum discharge, 204 ft³/s and stage, 50.48 ft occurred on Oct. 1, 2, 4, stage falling, peak occurred on Sept. 26, 2004. Maximum peak daily discharge, 146 ft³/s (estimated) occurred July 15, 16. Records include discharge from mining operations upstream.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	198	95	86	82	73	e55	e71	e58	e51	e105	e140	e117
2	204	93	85	82	73	e55	e95	e61	e50	e107	e111	e117
3	203	92	84	82	72	e54	e110	e63	e58	e104	111	e114
4	203	91	83	82	72	e54	e104	e68	e61	e100	114	e107
5	202	93	82	81	72	e53	98	e72	e65	e99	115	e108
6	200	94	81	81	70	e54	97	e82	e65	e96	115	e102
7	198	95	80	80	e69	e54	95	e86	71	e95	114	e103
8	195	94	78	79	e68	e52	95	e81	67	e90	114	e101
9	192	94	77	78	e67	e53	95	e84	64	e93	113	e70
10	188	93	79	77	e66	e51	95	e80	63	e97	109	e82
11	186	92	80	76	e65	e53	94	e85	66	e99	105	e77
12	185	91	80	75	e64	e52	92	e76	82	e106	103	e87
13	181	90	79	75	e63	e49	90	e64	101	e117	e101	e90
14	176	90	76	82	e62	e54	88	e71	e100	e135	e98	e90
15	178	90	72	84	e61	e51	e86	e72	e100	e146	e78	e80
16	177	89	68	84	e60	e49	e78	e68	e97	e146	e81	e78
17	171	89	67	83	e60	e51	e74	e66	e96	e144	e76	e86
18	164	88	66	83	e58	e54	e71	e62	e93	e135	e66	e88
19	157	88	66	83	e58	e56	e64	e58	e92	e131	e73	e88
20	151	87	67	83	e57	e56	e61	e56	e93	e128	e81	88
21	145	86	67	83	e57	e56	e58	e54	e92	e120	e79	89
22	138	85	68	83	e56	e51	e59	e47	e92	e113	e86	89
23	133	85	71	83	e56	e57	e58	e47	e90	e109	e94	92
24	129	84	73	82	e56	e56	e58	e46	e83	e103	e94	90
25	123	87	76	81	e56	e54	e65	e42	e85	e104	e93	87
26	118	86	80	80	e56	e65	e66	e43	e86	e103	e92	85
27	112	86	81	79	e56	e61	e68	e44	e86	e120	e96	82
28	109	87	81	78	e56	e57	e67	e44	e95	e137	e101	85
29	103	87	81	77	---	e48	e65	e44	e101	e140	e114	88
30	100	86	81	75	---	e49	e62	e42	e104	e143	e108	85
31	97	---	81	74	---	e64	---	e51	---	e139	e109	---
TOTAL	5,016	2,687	2,376	2,487	1,759	1,678	2,379	1,917	2,449	3,604	3,084	2,745
MEAN	162	89.6	76.6	80.2	62.8	54.1	79.3	61.8	81.6	116	99.5	91.5
MAX	204	95	86	84	73	65	110	86	104	146	140	117
MIN	97	84	66	74	56	48	58	42	50	90	66	70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2005, BY WATER YEAR (WY)

	44.9	33.3	32.2	41.4	42.6	50.1	46.3	28.8	32.1	42.6	48.1	52.1
MEAN	44.9	33.3	32.2	41.4	42.6	50.1	46.3	28.8	32.1	42.6	48.1	52.1
MAX	162	89.6	76.6	118	121	158	168	125	135	207	159	144
(WY)	(2005)	(2005)	(2005)	(1998)	(1998)	(1998)	(1983)	(1983)	(1982)	(1982)	(1982)	(2004)
MIN	4.73	2.64	2.11	1.91	1.95	4.84	4.51	2.24	1.40	0.68	3.19	5.22
(WY)	(1991)	(1991)	(1991)	(1991)	(1991)	(1992)	(1992)	(1992)	(1992)	(1992)	(1992)	(1997)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1982 - 2005

ANNUAL TOTAL	26,085	32,181	
ANNUAL MEAN	71.3	88.2	40.2
HIGHEST ANNUAL MEAN			98.5
LOWEST ANNUAL MEAN			5.39
HIGHEST DAILY MEAN	217	Sep 27	243
LOWEST DAILY MEAN	15	Jun 13	0.38
ANNUAL SEVEN-DAY MINIMUM	19	Jun 7	0.39
MAXIMUM PEAK FLOW			340
MAXIMUM PEAK STAGE			50.97
INSTANTANEOUS LOW FLOW			*0.38
10 PERCENT EXCEEDS	150	125	92
50 PERCENT EXCEEDS	62	83	26
90 PERCENT EXCEEDS	22	56	5.3

e Estimated

* Jul 24, 25-31, 1992

02312700 OUTLET RIVER AT PANACOCHEE RETREATS, FL

LOCATION (REVISED).--Lat 28° 48'00", long 82° 09'11", in NW¹/₄ sec.31, T.19 S., R.22 E., Sumter County, Hydrologic Unit 03100208, upstream side of wooden foot bridge, 200 ft downstream from State Highway 470, 0.5 mi west of Panacoochee Retreats, 1.0 mi upstream from mouth, and 4.4 mi northwest of town of Lake Panasoffkee.

DRAINAGE AREA.--420 mi², approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1962 to current year. Prior to October 1967, published as Panasoffkee River near Lake Panasoffkee.

REVISED RECORDS.--WDR FL-72-3: Drainage area.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is at NGVD of 1929 (Florida Department of Transportation bench mark). Prior to Dec. 18, 1962, nonrecording gage and Dec. 18, 1962, to Oct. 7, 1975, water-stage recorder at sites within 0.8 mi south at same datum.

REMARKS.--Records fair. A maximum discharge, 493 ft³/s, occurred Oct. 2-5, and a maximum stage, 42.87 ft, occurred on Oct. 5-7, stage falling, a peak of 503 ft³/s (revised), occurred on Sept. 30, 2004. Flow affected at times by backwater from Withlacoochee River. Prior to 1962, flow partially controlled by small rock dams and at times during 1962-64 by a temporary sheet piling dam about 400 ft downstream from bridge on State Highway 470. Flow partially controlled by sandbag dam June 6-10, 1992.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	489	348	237	204	170	154	113	133	172	323	285	294
2	492	338	237	203	168	152	151	132	128	320	228	282
3	493	329	236	203	168	152	226	135	170	307	159	269
4	492	318	234	200	168	152	215	142	177	305	249	271
5	491	314	233	200	166	150	187	173	182	292	284	265
6	490	310	233	199	164	149	165	208	184	277	248	270
7	487	301	233	199	163	149	172	222	181	258	216	252
8	485	292	232	198	164	148	198	207	219	243	233	270
9	482	284	231	196	164	149	193	202	217	236	247	263
10	479	275	231	196	162	147	194	221	228	264	179	277
11	476	267	229	195	162	145	199	226	234	246	179	270
12	474	259	228	193	162	146	190	240	261	251	187	250
13	470	252	229	192	161	132	162	157	290	270	e157	233
14	464	247	223	194	160	144	154	207	293	326	262	208
15	460	240	222	193	159	145	161	220	288	378	406	198
16	456	236	222	191	160	118	161	215	299	386	358	201
17	450	238	220	189	159	137	152	216	300	383	274	197
18	441	244	219	187	157	137	147	211	283	359	226	140
19	427	245	215	186	155	140	137	197	284	337	231	129
20	425	244	213	184	153	143	130	194	292	323	265	199
21	428	241	212	183	154	141	125	182	284	303	333	e221
22	424	239	211	182	153	146	120	160	289	278	318	e245
23	417	240	211	181	153	146	123	164	280	267	292	e255
24	409	239	212	179	153	146	121	157	258	240	328	e244
25	403	240	211	178	153	116	141	141	246	241	301	e236
26	396	239	211	177	152	142	161	142	261	245	290	e228
27	389	239	210	175	154	152	154	144	231	251	301	e236
28	382	239	210	174	154	133	157	143	268	272	304	247
29	374	238	208	174	---	118	143	136	294	287	284	290
30	366	238	208	173	---	85	151	129	311	299	287	281
31	358	---	205	171	---	113	---	143	---	331	289	---
TOTAL	13,769	7,973	6,866	5,849	4,471	4,327	4,803	5,509	7,404	9,098	8,200	7,221
MEAN	444	266	221	189	160	140	160	178	247	293	265	241
MAX	493	348	237	204	170	154	226	240	311	386	406	294
MIN	358	236	205	171	152	85	113	129	128	236	157	129
CFSM	1.06	0.63	0.53	0.45	0.38	0.33	0.38	0.42	0.59	0.70	0.63	0.57
IN.	1.22	0.71	0.61	0.52	0.40	0.38	0.43	0.49	0.66	0.81	0.73	0.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2005, BY WATER YEAR (WY)

MEAN	214	159	144	171	193	198	190	144	138	158	193	220
MAX	626	426	262	468	627	771	567	340	360	523	479	449
(WY)	(1983)	(1996)	(1984)	(1998)	(1998)	(1998)	(1998)	(1987)	(1982)	(1982)	(1965)	(1985)
MIN	31.6	19.3	18.6	22.0	21.3	29.3	39.2	18.9	19.8	5.94	29.1	40.0
(WY)	(1964)	(1998)	(1998)	(2001)	(2001)	(2001)	(2002)	(2002)	(2001)	(1963)	(1963)	(1997)

02312700 OUTLET RIVER AT PANACOOCHEE RETREATS, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1963 - 2005	
ANNUAL TOTAL	69,240		85,490		177	
ANNUAL MEAN	189		234		360	
HIGHEST ANNUAL MEAN					1983	
LOWEST ANNUAL MEAN					38.1	
HIGHEST DAILY MEAN	500	Sep 30	493	Oct 3	820	Mar 23, 1998
LOWEST DAILY MEAN	43	Jul 6, 7	85	Mar 30	*0.00	
ANNUAL SEVEN-DAY MINIMUM	44	Jul 5	122	Mar 26	*0.00	
MAXIMUM PEAK FLOW					a821	Jan 16, 1998
MAXIMUM PEAK STAGE			40.63	Jul 31	42.92	Sep 30, 2004
ANNUAL RUNOFF (CFSM)	0.450		0.558		0.421	
ANNUAL RUNOFF (INCHES)	6.13		7.57		5.72	
10 PERCENT EXCEEDS	367		358		325	
50 PERCENT EXCEEDS	173		221		152	
90 PERCENT EXCEEDS	51		144		58	

e Estimated

a From floodmark

* June 27 to July 15, 1963, temporary dam in place

WITHLACOCHEE RIVER BASIN

02312700 OUTLET RIVER AT PANACOCHEE RETREATS, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1908, 1966 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Color, water, ftrd, Pt-Co units (00080)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, ftrd, mg/L (00915)	Magnesium, water, ftrd, mg/L (00925)
OCT 14...	1403	42.99	449	--	.5	7.3	351	25.6	--	--	--
OCT 19...	1526	42.28	425	--	.8	7.3	351	24.4	170	61.6	3.98
DEC 07...	1131	40.10	246	--	5.9	7.6	366	18.0	--	--	--
FEB 02...	1218	40.01	179	--	9.2	8.1	373	15.8	--	--	--
MAR 23...	1237	39.99	150	50	7.5	8.1	344	21.7	180	65.2	5.26
MAY 18...	1112	40.13	229	--	6.6	7.8	290	28.0	--	--	--
JUL 20...	1115	40.63	318	62	5.7	7.9	302	30.9	140	51.5	3.56
SEP 12...	1607	40.20	275	--	8.6	7.9	314	30.1	--	--	--

Date	Potassium, water, ftrd, mg/L (00935)	Sodium, water, ftrd, mg/L (00930)	ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, ftrd, mg/L (00940)	Fluoride, water, ftrd, mg/L (00950)	Silica, water, ftrd, mg/L (00955)	Sulfate, water, ftrd, mg/L (00945)	Residue on evap. at 180degC wat ftrd mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, ftrd, mg/L as N (00608)	Nitrite + nitrate water ftrd, mg/L as N (00631)
OCT 19...	2.92	5.75	--	9.04	--	14.1	9.8	--	--	.53	<.06
MAR 23...	.52	6.80	149	10.8	.2	.62	14.6	227	.89	.07	E.04
JUL 20...	.82	5.54	130	8.82	.1	12.6	9.4	199	1.1	E.02	<.06
SEP 12...	--	--	--	--	--	--	--	--	--	--	--

Date	Nitrite water, ftrd, mg/L as N (00613)	Orthophosphate, water, ftrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Organic carbon, water, ftrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)	Aluminum, water, unfltrd recover-able, ug/L (01105)	Arsenic water, unfltrd ug/L (01002)	Cadmium water, unfltrd ug/L (01027)	Copper, water, ftrd, ug/L (01040)	Iron, water, ftrd, ug/L (01046)	Iron, water, unfltrd recover-able, ug/L (01045)
OCT 19...	<.008	.19	--	20.7	--	--	--	--	--	--	--
MAR 23...	<.008	.02	.06	--	14.8	3	<2	<.04	E.3	25	30
JUL 20...	<.008	<.02	.07	--	22.1	4	<2	.06	.7	25	50

Date	Lead, water, ftrd, ug/L (01049)	Lead, water, unfltrd recover-able, ug/L (01051)	Manganese, water, ftrd, ug/L (01056)	Manganese, water, unfltrd recover-able, ug/L (01055)	Mercury water, unfltrd recover-able, ug/L (71900)	Nickel, water, unfltrd recover-able, ug/L (01067)	Strontium, water, ftrd, ug/L (01080)	Zinc, water, ftrd, ug/L (01090)
OCT 19...	--	--	--	--	--	--	290	--
MAR 23...	<.08	.06	5.3	9.3	<.01	1.03	328	.7
JUL 20...	<.08	.13	1.1	8.8	<.01	.61	262	1.2

02312720 WITHLACOCHEE RIVER AT WYSONG DAM, AT CARLSON, FL—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,850	2,990	924	583	491	421	615	455	259	586	1,780	1,150
2	3,960	2,880	900	570	495	429	696	461	246	588	1,740	1,180
3	4,020	2,770	884	556	473	424	712	436	246	593	1,730	1,190
4	4,070	2,640	870	560	469	445	662	471	234	602	1,730	1,190
5	4,120	2,540	851	538	482	429	665	585	241	577	1,700	1,210
6	4,160	2,450	836	532	472	418	665	648	253	574	1,650	1,240
7	4,190	2,360	813	520	467	405	674	667	293	581	1,660	1,270
8	4,210	2,260	796	526	439	385	685	639	260	594	1,690	1,280
9	4,240	2,170	770	518	446	399	680	600	248	625	1,700	1,280
10	4,260	2,080	774	505	444	418	657	601	258	839	1,670	1,280
11	4,290	1,990	752	507	408	397	661	592	267	838	1,610	1,260
12	4,330	1,920	719	515	424	380	644	574	286	932	1,550	1,240
13	4,340	1,840	707	523	416	370	623	547	331	1,030	1,480	1,210
14	4,320	1,780	728	608	419	375	597	536	346	1,240	1,430	1,170
15	4,290	1,720	674	618	396	369	595	494	348	1,340	1,400	1,130
16	4,240	1,630	657	608	381	356	579	457	363	1,450	1,310	1,090
17	4,170	1,470	648	609	392	395	549	418	347	1,490	1,130	1,060
18	4,100	1,350	649	595	404	410	544	371	346	1,530	1,010	1,010
19	3,980	1,290	647	601	394	415	522	344	367	1,580	979	945
20	3,920	1,240	627	607	382	406	495	334	374	1,620	956	912
21	3,900	1,200	608	566	361	403	480	316	374	1,650	970	899
22	3,860	1,140	583	572	365	431	457	295	391	1,680	937	850
23	3,790	1,090	613	563	355	451	479	281	369	1,700	909	849
24	3,710	1,050	610	558	356	455	516	244	348	1,760	921	838
25	3,630	1,050	623	540	367	485	527	198	366	1,770	916	792
26	3,550	1,010	635	537	371	623	519	204	399	1,760	916	763
27	3,480	990	618	527	420	646	540	197	435	1,740	957	718
28	3,390	991	609	508	420	639	495	184	522	1,710	982	794
29	3,300	960	590	504	---	629	488	162	538	1,700	1,010	822
30	3,200	945	590	495	---	634	484	145	565	1,790	1,030	812
31	3,090	---	599	484	---	624	---	193	---	1,790	1,070	---
TOTAL	121,960	51,796	21,904	17,053	11,709	14,066	17,505	12,649	10,220	38,259	40,523	31,434
MEAN	3,934	1,727	707	550	418	454	584	408	341	1,234	1,307	1,048
MAX	4,340	2,990	924	618	495	646	712	667	565	1,790	1,780	1,280
MIN	3,090	945	583	484	355	356	457	145	234	574	909	718

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

MEAN	931	545	463	639	653	727	674	388	339	543	736	949
MAX	3,934	1,727	1,476	4,199	3,326	4,095	2,469	1,289	864	2,045	2,779	2,677
(WY)	(2005)	(2005)	(1970)	(1998)	(1998)	(1998)	(1987)	(1983)	(1982)	(2003)	(2003)	(2003)
MIN	55.8	37.1	31.2	31.0	30.2	38.9	44.2	21.5	27.4	37.7	42.4	61.2
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2000)	(2001)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1966 - 2005

ANNUAL TOTAL	355,580											
ANNUAL MEAN	972											
HIGHEST ANNUAL MEAN										632		
LOWEST ANNUAL MEAN										1,510		1998
HIGHEST DAILY MEAN	4,340									72.5		2001
LOWEST DAILY MEAN	135									4,880		Jan 16, 1998
ANNUAL SEVEN-DAY MINIMUM	146									*1.6		Jun 5, 2002
MAXIMUM PEAK FLOW										*5.5		May 31, 2002
MAXIMUM PEAK STAGE										4,910		Jan 16, 1998
INSTANTANEOUS LOW FLOW										42.22		Oct 6, 2004
10 PERCENT EXCEEDS	3,000									138		May 29
50 PERCENT EXCEEDS	484									2,490		1,400
90 PERCENT EXCEEDS	220									627		429
										364		124

* Occurred during construction of new dam

02312720 WITHLACOOCHEE RIVER AT WYSONG DAM, AT CARLSON, FL—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42.06	40.62	37.56	36.83	36.66	36.85	37.93	38.34	38.17	38.91	39.87	38.44
2	42.14	40.49	37.51	36.80	36.67	36.88	38.15	38.39	38.12	38.90	39.83	38.46
3	42.17	40.36	37.47	36.77	36.62	36.88	38.21	38.34	38.12	38.90	39.81	38.45
4	42.19	40.21	37.44	36.78	36.63	36.96	38.12	38.47	38.08	38.91	39.80	38.41
5	42.20	40.09	37.40	36.72	36.68	36.93	38.16	38.80	38.11	38.84	39.75	38.42
6	42.21	39.98	37.36	36.71	36.66	36.91	38.19	38.98	38.15	38.81	39.70	38.44
7	42.21	39.86	37.31	36.68	36.66	36.88	38.24	39.03	38.30	38.82	39.69	38.46
8	42.20	39.73	37.27	36.70	36.60	36.84	38.29	38.98	38.18	38.84	39.71	38.44
9	42.19	39.61	37.22	36.68	36.63	36.90	38.31	38.95	38.13	38.90	39.70	38.42
10	42.18	39.48	37.23	36.65	36.64	36.97	38.28	38.98	38.17	39.19	39.66	38.37
11	42.18	39.36	37.19	36.65	36.55	36.91	38.32	38.98	38.20	39.18	39.59	38.31
12	42.18	39.25	37.11	36.68	36.61	36.88	38.30	38.97	38.25	39.27	39.51	38.25
13	42.16	39.15	37.08	36.71	36.60	36.86	38.28	38.92	38.40	39.37	39.42	38.20
14	42.11	39.05	37.14	36.92	36.63	36.89	38.25	38.92	38.43	39.56	39.35	38.12
15	42.08	38.96	37.02	36.95	36.57	36.88	38.27	38.84	38.43	39.65	39.29	38.05
16	42.02	38.81	36.98	36.92	36.54	36.86	38.26	38.76	38.46	39.73	39.18	37.98
17	41.94	38.56	36.96	36.93	36.59	37.00	38.21	38.68	38.40	39.77	38.87	37.93
18	41.86	38.37	36.96	36.90	36.64	37.06	38.22	38.55	38.38	39.80	38.64	37.82
19	41.74	38.27	36.96	36.91	36.62	37.08	38.19	38.47	38.44	39.84	38.55	37.70
20	41.67	38.17	36.92	36.93	36.60	37.07	38.15	38.44	38.45	39.86	38.48	37.63
21	41.65	38.10	36.87	36.83	36.55	37.08	38.13	38.38	38.44	39.88	38.47	37.61
22	41.60	38.00	36.81	36.85	36.57	37.17	38.10	38.30	38.48	39.89	38.37	37.51
23	41.52	37.89	36.88	36.83	36.56	37.25	38.19	38.25	38.40	39.90	38.28	37.51
24	41.43	37.82	36.89	36.81	36.58	37.29	38.32	38.10	38.32	39.93	38.28	37.48
25	41.34	37.83	36.92	36.77	36.62	37.40	38.37	37.93	38.36	39.94	38.23	37.38
26	41.25	37.74	36.95	36.77	36.65	37.78	38.38	37.95	38.45	39.92	38.20	37.32
27	41.16	37.70	36.90	36.74	36.81	37.87	38.46	37.92	38.54	39.89	38.25	37.22
28	41.06	37.70	36.89	36.69	36.83	37.88	38.37	37.87	38.78	39.85	38.27	37.39
29	40.96	37.63	36.85	36.68	---	37.88	38.38	37.77	38.81	39.84	38.28	37.45
30	40.85	37.60	36.85	36.66	---	37.92	38.39	37.69	38.87	39.90	38.28	37.43
31	40.73	---	36.87	36.64	---	37.92	---	37.91	---	39.89	38.34	---
MEAN	41.78	38.88	37.09	36.78	36.63	37.16	38.25	38.48	38.36	39.48	39.02	37.95
MAX	42.21	40.62	37.56	36.95	36.83	37.92	38.46	39.03	38.87	39.94	39.87	38.46
MIN	40.73	37.60	36.81	36.64	36.54	36.84	37.93	37.69	38.08	38.81	38.20	37.22
CAL YR2004	MEAN	37.65	MAX	42.21	MIN	35.56						
WTR YR2005	MEAN	38.33	MAX	42.21	MIN	36.54						

02312720 WITHLACOCHEE RIVER AT WYSONG DAM, AT CARLSON, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-87, 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)
OCT 19...	1400	41.72	3,960	.2	6.6	141	23.9	66	23.3	1.85	2.31	3.87	6.64
MAR 23...	1004	37.36	492	--	--	--	--	--	--	--	--	--	--
JUL 20...	0805	39.87	1,670	.4	6.7	172	28.2	--	--	--	--	--	--
SEP 12...	1415	38.26	1,320	1.9	6.6	219	28.1	--	--	--	--	--	--
Date		Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd, mg/L (00680)	Strontium, water, fltrd, ug/L (01080)			
OCT 19...		5.48	2.9	.19	<.06	E.005	.12	27.6	--	90.6			
MAR 23...		--	--	--	--	--	--	--	15.3	--			
JUL 20...		--	--	--	--	--	--	--	29.0	--			

02312762 WITHLACOOCHEE RIVER NEAR INVERNESS, FL

LOCATION.--Lat 28° 54'43", long 82° 16'49", in NW¹/₄ sec.23, T.18 S., R.20 E., Citrus County, Hydrologic Unit 03100208, on left bank at Potts Preserve Campground, 0.4 mi upstream from Gum Slough, 8.5 mi northeast of Inverness, and 48 mi upstream from mouth.

DRAINAGE AREA.--1,700 mi².

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 12.96 ft above NGVD of 1929 (Florida Department of Transportation bench mark).

REMARKS.--Records fair except those above 1,200 ft³/s, which are poor.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,460	3,470	1,210	807	595	487	724	527	542	972	2,130	1,350
2	4,550	3,370	1,180	799	593	483	766	518	566	982	2,140	1,380
3	4,570	3,250	1,150	782	589	484	789	507	560	978	2,140	1,380
4	4,590	3,140	1,120	772	574	495	792	513	557	975	2,150	1,370
5	4,610	3,030	1,090	762	570	502	769	593	535	979	2,170	1,370
6	4,630	2,920	1,060	744	570	495	749	674	523	964	2,150	1,360
7	4,640	2,820	1,040	726	566	485	770	704	554	951	2,170	1,370
8	4,640	2,730	1,020	714	554	469	854	716	576	942	2,220	1,370
9	4,650	2,630	995	705	537	455	839	710	587	950	2,220	1,360
10	4,650	2,540	976	696	533	469	812	695	586	1,000	2,240	1,340
11	4,660	2,460	970	681	515	472	776	679	594	1,070	2,220	1,330
12	4,680	2,380	950	673	495	460	741	670	608	1,130	2,180	1,300
13	4,680	2,300	923	669	493	441	708	651	639	1,190	2,110	1,270
14	4,670	2,220	916	702	490	432	672	631	643	1,260	2,060	1,250
15	4,650	2,150	906	736	489	432	638	617	664	1,340	2,020	1,220
16	4,620	2,070	882	745	475	425	614	605	701	1,430	1,950	1,190
17	4,570	1,980	869	743	460	432	593	588	695	1,500	1,850	1,160
18	4,510	1,860	853	740	459	449	573	565	699	1,570	1,720	1,130
19	4,450	1,760	846	728	459	452	553	534	708	1,620	1,630	1,090
20	4,380	1,670	834	725	457	452	532	509	701	1,660	1,530	1,050
21	4,340	1,590	821	723	439	442	512	490	695	1,700	1,480	1,040
22	4,290	1,520	809	709	430	441	490	479	703	1,740	1,430	1,010
23	4,220	1,460	820	706	426	485	480	459	714	1,800	1,370	990
24	4,160	1,410	846	696	417	500	499	445	706	1,850	1,340	979
25	4,090	1,390	848	684	421	511	508	418	689	1,890	1,320	962
26	4,010	1,360	855	669	431	605	522	390	702	1,940	1,300	938
27	3,930	1,320	854	663	455	723	547	377	753	1,970	1,290	909
28	3,850	1,290	842	648	490	753	551	371	906	1,990	1,300	901
29	3,760	1,270	831	636	---	755	536	362	944	2,010	1,310	914
30	3,670	1,240	816	622	---	748	525	349	957	2,080	1,300	928
31	3,580	---	812	608	---	737	---	383	---	2,120	1,310	---
TOTAL	135,760	64,600	28,944	22,013	13,982	15,971	19,434	16,729	20,007	44,553	55,750	35,211
MEAN	4,379	2,153	934	710	499	515	648	540	667	1,437	1,798	1,174
MAX	4,680	3,470	1,210	807	595	755	854	716	957	2,120	2,240	1,380
MIN	3,580	1,240	809	608	417	425	480	349	523	942	1,290	901
CFSM	2.58	1.27	0.55	0.42	0.29	0.30	0.38	0.32	0.39	0.85	1.06	0.69
IN.	2.97	1.41	0.63	0.48	0.31	0.35	0.43	0.37	0.44	0.97	1.22	0.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	1,970	971	619	853	652	781	650	355	488	1,059	1,510	1,940
MAX	4,379	2,153	934	2,043	1,352	1,565	1,380	572	886	2,133	2,991	2,882
(WY)	(2005)	(2005)	(2005)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)
MIN	1,036	378	192	188	176	174	79.8	28.3	69.8	261	313	1,174
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2004)	(2004)	(2005)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	412,171		472,954			
ANNUAL MEAN	1,126		1,296		990	
HIGHEST ANNUAL MEAN					1,523	2003
LOWEST ANNUAL MEAN					412	2002
HIGHEST DAILY MEAN	4,680	Oct 12, 13	4,680	Oct 12, 13	4,680	Oct 12, 13 2004
LOWEST DAILY MEAN	194	Jul 31, Aug 3	349	May 30	*11	
ANNUAL SEVEN-DAY MINIMUM	200	Jul 31	379	May 25	13	May 31, 2002
MAXIMUM PEAK FLOW			4,680	Oct 11-14	4,680	Oct 11-14 2004
MAXIMUM PEAK STAGE			27.88	Oct 11-14	27.88	Oct 11, 2004
INSTANTANEOUS LOW FLOW			341	May 30	*10	
ANNUAL RUNOFF (CFSM)	0.662		0.762		0.582	
ANNUAL RUNOFF (INCHES)	9.02		10.35		7.91	
10 PERCENT EXCEEDS	3,480		2,960		2,170	
50 PERCENT EXCEEDS	543		834		686	
90 PERCENT EXCEEDS	252		477		183	

* May 29, Jun 4, 6, 2002

WITHLACOCHEE RIVER BASIN

02312762 WITHLACOCHEE RIVER NEAR INVERNESS, FL—Continued

 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.66	26.61	23.55	22.79	22.18	21.79	22.59	21.99	22.06	23.24	25.05	23.96
2	27.75	26.49	23.50	22.78	22.17	21.78	22.70	21.96	22.15	23.25	25.06	24.03
3	27.77	26.35	23.45	22.73	22.16	21.78	22.77	21.91	22.13	23.22	25.06	24.03
4	27.79	26.22	23.41	22.71	22.10	21.82	22.78	21.94	22.11	23.20	25.08	24.02
5	27.81	26.08	23.38	22.68	22.09	21.85	22.72	22.22	22.04	23.20	25.11	24.02
6	27.83	25.95	23.34	22.64	22.09	21.82	22.67	22.50	21.99	23.15	25.08	24.02
7	27.84	25.82	23.31	22.59	22.07	21.78	22.72	22.58	22.10	23.11	25.12	24.04
8	27.84	25.70	23.27	22.55	22.04	21.72	22.93	22.62	22.18	23.07	25.18	24.03
9	27.85	25.57	23.22	22.53	21.97	21.67	22.89	22.60	22.22	23.08	25.19	24.01
10	27.85	25.46	23.18	22.50	21.96	21.72	22.83	22.56	22.22	23.18	25.22	23.98
11	27.86	25.34	23.17	22.46	21.89	21.74	22.74	22.51	22.24	23.30	25.19	23.94
12	27.88	25.23	23.13	22.43	21.82	21.69	22.66	22.48	22.29	23.42	25.14	23.88
13	27.88	25.12	23.07	22.42	21.81	21.62	22.56	22.43	22.40	23.53	25.06	23.83
14	27.87	25.01	23.05	22.52	21.80	21.58	22.46	22.37	22.41	23.66	24.99	23.78
15	27.85	24.91	23.03	22.61	21.80	21.58	22.35	22.32	22.47	23.79	24.94	23.71
16	27.82	24.80	22.97	22.64	21.74	21.55	22.27	22.28	22.58	23.95	24.84	23.64
17	27.77	24.65	22.94	22.63	21.69	21.58	22.20	22.22	22.57	24.05	24.71	23.57
18	27.71	24.48	22.91	22.63	21.68	21.65	22.13	22.14	22.58	24.15	24.53	23.51
19	27.65	24.33	22.89	22.59	21.68	21.66	22.07	22.03	22.61	24.23	24.39	23.42
20	27.58	24.19	22.86	22.58	21.68	21.66	21.99	21.94	22.59	24.31	24.24	23.34
21	27.54	24.08	22.83	22.58	21.61	21.62	21.92	21.87	22.57	24.37	24.15	23.30
22	27.48	23.98	22.80	22.54	21.57	21.62	21.84	21.83	22.59	24.44	24.06	23.24
23	27.42	23.89	22.83	22.53	21.56	21.78	21.81	21.76	22.62	24.53	23.97	23.18
24	27.35	23.81	22.89	22.50	21.52	21.84	21.87	21.70	22.60	24.61	23.91	23.16
25	27.28	23.79	22.89	22.47	21.54	21.88	21.91	21.59	22.55	24.68	23.88	23.11
26	27.20	23.75	22.91	22.42	21.58	22.21	21.96	21.48	22.59	24.75	23.84	23.05
27	27.11	23.69	22.91	22.40	21.67	22.59	22.05	21.43	22.72	24.79	23.84	22.98
28	27.02	23.66	22.88	22.36	21.80	22.67	22.07	21.40	23.10	24.83	23.86	22.96
29	26.93	23.63	22.85	22.32	---	22.67	22.02	21.37	23.18	24.87	23.88	22.98
30	26.83	23.59	22.82	22.27	---	22.66	21.98	21.31	23.21	24.97	23.87	23.00
31	26.72	---	22.81	22.22	---	22.63	---	21.45	---	25.02	23.88	---
MEAN	27.57	24.87	23.07	22.54	21.83	21.88	22.35	22.03	22.46	23.93	24.59	23.59
MAX	27.88	26.61	23.55	22.79	22.18	22.67	22.93	22.62	23.21	25.02	25.22	24.04
MIN	26.72	23.59	22.80	22.22	21.52	21.55	21.81	21.31	21.99	23.07	23.84	22.96
CAL YR	2004	MEAN 22.54	MAX 27.88	MIN 20.16								
WTR YR	2005	MEAN 23.41	MAX 27.88	MIN 21.31								

02312764 GUM SPRINGS NEAR HOLDER, FL

LOCATION.--Lat 28° 57'04", long 82° 15'00", in SW¹/₄ sec.6, T.18 S., R.21 E., Sumter County, Hydrologic Unit 03100208, on right bank, 1.5 mi downstream from main spring boil, 3 mi upstream from mouth, and 9 mi east of Holder.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is undetermined.

REMARKS.--Records good. Water year 2005: A maximum daily discharge, 305 ft³/s occurred on Oct. 1, stage falling, peak occurred on Sept. 27, 2004. Flow may be affected at times by backwater from the Withlacoochee River.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	143	129	103	90	81	85	71	60	77	92	80
2	161	143	128	101	91	84	85	74	62	79	91	80
3	159	146	125	102	89	84	84	73	61	87	88	80
4	156	146	125	102	89	85	84	70	60	83	89	80
5	157	160	125	103	89	86	82	68	60	85	93	86
6	162	176	123	100	88	83	83	67	59	87	92	144
7	160	157	120	98	89	84	84	67	58	89	88	197
8	160	155	121	98	87	80	86	67	57	91	86	176
9	157	148	122	94	86	79	84	65	59	90	85	151
10	155	146	118	97	83	79	82	64	63	88	84	145
11	157	147	117	100	83	80	81	62	62	89	83	144
12	160	146	117	93	84	79	85	63	61	92	83	143
13	161	145	116	95	81	79	83	63	62	89	83	147
14	170	141	122	95	83	79	81	65	71	88	88	162
15	163	141	119	98	86	80	79	69	80	88	87	157
16	160	140	120	97	80	99	77	68	76	89	84	157
17	158	139	114	98	77	94	75	70	73	87	84	153
18	159	142	115	97	81	90	74	70	72	90	82	148
19	158	140	113	96	80	88	75	69	71	93	81	147
20	160	136	112	96	79	88	74	69	71	95	80	148
21	160	135	114	98	79	89	73	67	76	92	83	147
22	161	132	113	94	76	85	74	66	79	89	83	160
23	163	136	108	94	77	85	73	65	76	87	83	158
24	161	135	109	96	83	86	71	64	74	87	80	159
25	156	132	104	92	90	87	71	64	77	85	79	181
26	151	133	104	91	83	86	70	64	81	84	81	334
27	153	134	104	92	86	87	69	62	80	85	84	520
28	154	131	106	92	85	87	69	63	81	87	84	448
29	152	127	103	93	84	86	67	62	77	89	82	382
30	145	130	103	87	---	86	68	63	76	86	82	329
31	144	---	103	86	---	86	---	62	---	86	81	---
MEAN	158	142	115	96.1	84.1	84.9	77.6	66.3	69.2	87.5	84.7	185
MAX	170	176	129	103	91	99	86	74	81	95	93	520
MIN	144	127	103	86	76	79	67	62	57	77	79	80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2004, BY WATER YEAR (WY)

MEAN	158	142	115	96.1	84.1	84.9	77.6	66.3	69.2	87.5	84.7	185
MAX	158	142	115	96.1	84.1	84.9	77.6	66.3	69.2	87.5	84.7	185
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)
MIN	158	142	115	96.1	84.1	84.9	77.6	66.3	69.2	87.5	84.7	185
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS

FOR 2004 WATER YEAR

ANNUAL MEAN	104	
HIGHEST DAILY MEAN	520	Sep 27
LOWEST DAILY MEAN	57	Jun 8
ANNUAL SEVEN-DAY MINIMUM	59	Jun 3
MAXIMUM PEAK STAGE	11.63	Sep 27
10 PERCENT EXCEEDS	157	
50 PERCENT EXCEEDS	88	
90 PERCENT EXCEEDS	68	

WITHLACOOCHEE RIVER BASIN

02312764 GUM SPRINGS NEAR HOLDER, FL

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	305	199	165	153	141	129	124	136	175	190	166	203
2	289	194	163	152	140	127	143	135	148	186	165	201
3	275	193	163	152	139	129	136	132	147	182	166	193
4	271	190	161	151	140	127	133	140	147	181	172	186
5	270	187	162	153	136	126	132	156	146	179	180	187
6	271	183	160	152	138	125	131	155	147	176	177	186
7	264	180	160	150	137	124	145	147	160	171	185	187
8	260	179	158	149	136	123	168	142	155	171	191	183
9	255	177	158	146	136	124	151	142	153	176	191	179
10	254	174	160	148	135	123	147	139	152	184	196	177
11	255	176	159	149	135	122	143	140	151	185	197	173
12	259	172	156	149	133	121	142	139	156	195	192	171
13	253	172	156	146	133	120	141	137	163	224	186	172
14	253	173	153	154	132	118	142	139	157	209	185	170
15	252	172	154	152	131	119	140	137	157	201	179	169
16	253	169	154	149	131	120	139	134	159	195	182	168
17	249	167	154	146	130	122	140	135	158	182	181	168
18	246	165	154	145	131	123	139	136	160	157	177	166
19	245	166	154	145	129	119	139	134	163	156	176	164
20	254	164	156	144	128	119	137	133	158	152	174	162
21	255	164	151	144	128	118	138	133	157	157	172	163
22	242	167	152	143	126	117	137	132	173	158	172	163
23	236	169	160	146	127	124	137	131	191	160	173	162
24	230	170	163	145	127	121	139	132	174	158	181	161
25	221	174	159	144	132	124	138	131	171	155	177	159
26	217	169	160	144	131	132	138	130	173	153	177	159
27	212	166	157	142	132	132	140	130	188	151	178	161
28	208	170	158	143	132	131	136	130	240	151	177	160
29	206	169	156	141	---	127	135	129	207	152	177	159
30	206	165	154	142	---	127	135	130	194	159	179	159
31	202	---	154	141	---	125	---	139	---	163	191	---
MEAN	247	174	158	147	133	124	140	137	166	173	180	172
MAX	305	199	165	154	141	132	168	156	240	224	197	203
MIN	202	164	151	141	126	117	124	129	146	151	165	159

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

MEAN	203	158	136	122	108	104	109	101	118	130	132	179
MAX	247	174	158	147	133	124	140	137	166	173	180	185
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)
MIN	158	142	115	96.1	84.1	84.9	77.6	66.3	69.2	87.5	84.7	172
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2005)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 2004 - 2005

ANNUAL MEAN	118	163	133
HIGHEST ANNUAL MEAN			2005
LOWEST ANNUAL MEAN			2004
HIGHEST DAILY MEAN	520	Sep 27	520
LOWEST DAILY MEAN	57	Jun 8	57
ANNUAL SEVEN-DAY MINIMUM	59	Jun 3	59
MAXIMUM PEAK STAGE		10.49	11.63
10 PERCENT EXCEEDS	200	201	183
50 PERCENT EXCEEDS	88	157	136
90 PERCENT EXCEEDS	68	130	77

02312975 TSALA APOPKA OUTFALL CANAL AT S-353, NEAR HERNANDO, FL

LOCATION.--Lat 28° 57'19", long 82° 20'13", in NE 1/4 sec.6, T.18 S., R.20 E., Citrus County, Hydrologic Unit 03100208, on left bank at control structure 353, on graded road 2.3 mi northeast of Hernando, and 2.8 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--July 1968 to current year.

REVISED RECORDS.--WDR FL-05-1A: Daily discharge.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Auxiliary gage at downstream side of control structure.

REMARKS.--Records poor. Flow regulated by manipulation of gates in spillway. Discharge computed from relation between discharge, head, and gate openings and does not include leakage, which is less than 2.0 ft³/s, around structure or gates.

COOPERATION.--Gate-opening record provided by Southwest Florida Water Management District.

REVISIONS.--Daily mean discharge for the 2004 water year have been revised as follows: Sept. 28, 38 ft³/s; Sept. 29, 106 ft³/s; Sept. 30, 104 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96	0.00	0.00
2	98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96	0.00	0.00
3	95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96	0.00	0.00
4	94	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96	0.00	0.00
5	93	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95	0.00	0.00
6	93	0.00	0.00	0.00	0.00	0.00	0.00	96	0.00	94	0.00	0.00
7	92	0.00	0.00	0.00	0.00	0.00	0.00	107	0.00	93	0.00	0.00
8	92	0.00	0.00	0.00	0.00	0.00	0.00	106	0.00	105	0.00	0.00
9	93	0.00	0.00	0.00	0.00	0.00	0.00	105	54	176	0.00	0.00
10	93	0.00	0.00	0.00	0.00	0.00	0.00	104	97	179	0.00	0.00
11	93	0.00	0.00	0.00	0.00	0.00	0.00	103	97	179	0.00	0.00
12	147	0.00	0.00	0.00	0.00	0.00	0.00	102	96	179	0.00	0.00
13	176	0.00	0.00	0.00	0.00	0.00	0.00	100	96	178	0.00	0.00
14	174	0.00	0.00	0.00	0.00	0.00	0.00	99	97	177	0.00	0.00
15	176	0.00	0.00	0.00	0.00	0.00	0.00	98	97	174	0.00	0.00
16	180	0.00	0.00	0.00	0.00	0.00	0.00	60	99	174	0.00	0.00
17	184	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99	174	0.00	0.00
18	190	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99	84	0.00	0.00
19	196	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99	0.00	0.00	0.00
20	208	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98	0.00	0.00	0.00
21	217	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97	0.00	0.00	0.00
22	221	0.00	0.00	0.00	0.00	0.00	0.00	0.00	98	0.00	0.00	0.00
23	224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	97	0.00	0.00	0.00
24	230	0.00	0.00	0.00	0.00	0.00	0.00	0.00	95	0.00	0.00	0.00
25	234	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94	0.00	0.00	0.00
26	234	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94	0.00	0.00	0.00
27	234	0.00	0.00	0.00	0.00	0.00	0.00	0.00	94	0.00	0.00	0.00
28	233	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96	0.00	0.00	0.00
29	194	0.00	0.00	0.00	---	0.00	0.00	0.00	96	0.00	0.00	0.00
30	113	0.00	0.00	0.00	---	0.00	0.00	0.00	96	0.00	0.00	0.00
31	106	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	4,907	36.00	0.00	0.00	0.00	0.00	0.00	1,080.00	2,085.00	2,445.00	0.00	0.00
MEAN	158	1.20	0.00	0.00	0.00	0.00	0.00	34.8	69.5	78.9	0.00	0.00
MAX	234	36	0.00	0.00	0.00	0.00	0.00	107	99	179	0.00	0.00
MIN	92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2005, BY WATER YEAR (WY)

	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005				
MEAN	19.9	2.36	4.75	9.33	10.1	23.2	19.5	8.76	13.5	28.6	22.1	23.4																														
MAX	162	61.0	144	180	187	158	135	118	117	159	246	186																														
(WY)	(1996)	(1970)	(1970)	(1970)	(1970)	(1970)	(1983)	(1984)	(2003)	(1984)	(2003)	(1982)																														
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00																														
(WY)	(1982)	(1973)	(1973)	(1973)	(1973)	(1982)	(1982)	(1982)	(1982)	(1982)	(1985)	(1993)																														

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1968 - 2005

ANNUAL TOTAL	5,031.00	10,553.00	
ANNUAL MEAN	13.7	28.9	15.2
HIGHEST ANNUAL MEAN			76.7
LOWEST ANNUAL MEAN			*0.00
HIGHEST DAILY MEAN	234	Oct 25-27	410
LOWEST DAILY MEAN	0.00	Many days	0.00
ANNUAL SEVEN-DAY MINIMUM	0.00	Many days	0.00
MAXIMUM PEAK STAGE		39.70	40.22
10 PERCENT EXCEEDS	0.00	101	41
50 PERCENT EXCEEDS	0.00	0.00	0.10
90 PERCENT EXCEEDS	0.00	0.00	0.00

* During 2000, 2001, 2002 water years

02313000 WITHLACOOCHEE RIVER NEAR HOLDER, FL

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5,370	4,030	1,390	983	794	647	921	e588	659	1,360	2,690	1,840
2	5,430	3,860	1,370	977	784	635	1,070	e580	708	1,370	2,720	1,840
3	5,430	3,730	1,350	968	785	636	1,020	561	722	1,370	2,730	1,850
4	5,410	3,600	1,330	960	777	649	988	570	723	1,350	2,740	1,840
5	5,410	3,460	1,320	959	763	659	965	709	704	1,340	2,790	1,830
6	5,390	3,330	1,300	955	758	650	928	861	679	1,320	2,800	1,830
7	5,360	3,220	1,290	949	753	647	909	912	684	1,300	2,840	1,830
8	5,340	3,130	1,270	940	747	647	e1,060	928	732	1,300	2,920	1,830
9	5,310	3,020	1,240	925	733	616	e1,070	937	806	1,330	2,920	1,820
10	5,280	2,920	1,230	911	722	615	e1,040	932	850	1,370	2,930	1,800
11	5,270	2,830	1,200	894	704	624	e951	918	856	1,420	2,970	1,770
12	5,270	2,750	1,180	875	677	617	e904	904	890	1,530	2,950	1,750
13	5,270	2,670	1,150	864	662	597	e870	886	970	1,580	2,870	1,720
14	5,260	2,580	1,120	885	655	579	e820	863	954	1,660	2,780	1,670
15	5,260	2,490	1,110	909	651	571	e771	843	1,020	1,710	2,730	1,630
16	5,250	2,390	1,090	919	638	571	e728	783	1,110	1,840	2,670	1,580
17	5,200	2,290	1,080	922	616	576	e691	717	1,080	1,910	2,570	1,540
18	5,170	2,170	1,070	919	595	584	e667	688	1,090	1,940	2,430	1,480
19	5,120	2,030	1,060	918	587	586	e636	653	1,120	1,910	2,280	1,440
20	5,090	1,920	1,050	923	578	583	e612	623	1,090	1,950	2,140	1,390
21	5,040	1,830	1,040	929	567	576	e585	615	1,060	2,000	2,010	1,350
22	4,980	1,750	1,030	931	551	579	e558	615	1,060	2,050	1,920	1,310
23	4,920	1,680	1,050	929	542	634	e543	589	1,050	2,130	1,860	1,280
24	4,850	1,610	1,070	900	537	655	e552	568	1,050	2,230	1,810	1,250
25	4,800	1,600	1,050	871	559	672	e555	538	1,030	2,290	1,750	1,220
26	4,710	1,540	1,050	856	564	767	e570	487	1,030	2,340	1,710	1,200
27	4,630	1,490	1,040	851	589	895	e615	472	1,070	2,410	1,710	1,180
28	4,540	1,460	1,020	841	642	980	e624	462	1,210	2,450	1,720	1,150
29	4,440	1,430	1,010	832	---	978	e612	445	1,300	2,500	1,740	1,130
30	4,290	1,410	1,000	827	---	948	e591	449	1,340	2,570	1,740	1,140
31	4,160	---	989	810	---	931	---	484	---	2,650	1,770	---
TOTAL	157,250	74,220	35,549	28,132	18,530	20,904	23,426	21,180	28,647	56,480	74,210	46,490
MEAN	5,073	2,474	1,147	907	662	674	781	683	955	1,822	2,394	1,550
MAX	5,430	4,030	1,390	983	794	980	1,070	937	1,340	2,650	2,970	1,850
MIN	4,160	1,410	989	810	537	571	543	445	659	1,300	1,710	1,130
CFSM	2.79	1.36	0.63	0.50	0.36	0.37	0.43	0.38	0.52	1.00	1.32	0.85
IN.	3.21	1.52	0.73	0.58	0.38	0.43	0.48	0.43	0.59	1.15	1.52	0.95

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2005, BY WATER YEAR (WY)

MEAN	1,645	1,039	791	858	883	993	969	640	574	872	1,257	1,645
MAX	6,206	3,068	2,483	4,414	4,176	4,869	7,096	2,946	2,240	5,925	5,415	5,221
(WY)	(1961)	(1961)	(1954)	(1998)	(1998)	(1998)	(1960)	(1960)	(1959)	(1934)	(1960)	(1960)
MIN	72.4	60.4	72.8	79.6	80.0	80.5	106	80.4	94.7	101	82.8	100
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2000)	(2000)	(2000)	(2000)	(2000)	(2000)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1928 - 2005

ANNUAL TOTAL	478,898	585,018		
ANNUAL MEAN	1,308	1,603	1,004	
HIGHEST ANNUAL MEAN			3,374	1960
LOWEST ANNUAL MEAN			127	2001
HIGHEST DAILY MEAN	5,430	Oct 2	5,430	Oct 2, 3
LOWEST DAILY MEAN	230	May 16	445	May 29
ANNUAL SEVEN-DAY MINIMUM	246	May 13	477	May 25
MAXIMUM PEAK FLOW			5,480	Oct 2, 3
MAXIMUM PEAK STAGE			11.25	Oct 13
INSTANTANEOUS LOW FLOW			440	May 29
ANNUAL RUNOFF (CFSM)	0.719		0.881	
ANNUAL RUNOFF (INCHES)	9.79		11.96	
10 PERCENT EXCEEDS	3,910		3,380	2,130
50 PERCENT EXCEEDS	644		1,070	695
90 PERCENT EXCEEDS	326		589	245

e Estimated

WITHLACOCHEE RIVER BASIN

02313000 WITHLACOCHEE RIVER NEAR HOLDER, FL—Continued

 GAGE HEIGHT, FEET
 WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.87	9.68	4.78	3.45	2.85	2.37	3.25	---	2.40	4.64	7.40	5.84
2	10.96	9.47	4.71	3.43	2.81	2.33	3.74	2.13	2.56	4.67	7.45	5.83
3	10.99	9.29	4.64	3.40	2.82	2.33	3.56	2.08	2.61	4.65	7.46	5.85
4	11.01	9.12	4.56	3.38	2.79	2.37	3.47	2.11	2.61	4.61	7.48	5.83
5	11.05	8.93	4.50	3.37	2.74	2.41	3.39	2.57	2.55	4.56	7.56	5.82
6	11.07	8.73	4.45	3.36	2.73	2.37	3.28	3.06	2.47	4.51	7.58	5.82
7	11.08	8.56	4.40	3.34	2.71	2.37	3.21	3.23	2.49	4.44	7.64	5.82
8	11.10	8.40	4.34	3.31	2.69	2.36	---	3.28	2.64	4.44	7.76	5.81
9	11.11	8.23	4.27	3.27	2.65	2.26	---	3.30	2.88	4.52	7.77	5.79
10	11.12	8.05	4.21	3.22	2.61	2.26	---	3.29	3.02	4.64	7.79	5.75
11	11.14	7.90	4.14	3.17	2.55	2.29	---	3.24	3.05	4.79	7.84	5.68
12	11.18	7.77	4.06	3.11	2.46	2.27	---	3.20	3.15	5.10	7.82	5.63
13	11.20	7.62	3.99	3.07	2.42	2.20	---	3.14	3.41	5.23	7.69	5.55
14	11.19	7.47	3.90	3.14	2.39	2.14	---	3.07	3.36	5.40	7.55	5.44
15	11.18	7.30	3.84	3.22	2.38	2.11	---	3.00	3.56	5.54	7.47	5.34
16	11.16	7.12	3.80	3.25	2.33	2.11	---	2.81	3.86	5.83	7.37	5.23
17	11.11	6.94	3.76	3.26	2.26	2.13	---	2.60	3.75	5.99	7.20	5.11
18	11.06	6.71	3.73	3.25	2.19	2.16	---	2.50	3.78	6.06	6.96	4.97
19	11.00	6.45	3.70	3.24	2.17	2.16	---	2.39	3.88	5.99	6.70	4.85
20	10.96	6.20	3.66	3.26	2.14	2.15	---	2.29	3.79	6.09	6.45	4.71
21	10.90	5.98	3.63	3.28	2.10	2.13	---	2.26	3.69	6.19	6.22	4.58
22	10.83	5.79	3.60	3.28	2.04	2.14	---	2.26	3.69	6.29	6.02	4.47
23	10.76	5.61	3.67	3.28	2.02	2.32	---	2.17	3.68	6.43	5.87	4.38
24	10.68	5.44	3.73	3.19	2.00	2.39	---	2.10	3.65	6.61	5.76	4.29
25	10.61	5.40	3.68	3.09	2.07	2.45	---	2.00	3.61	6.73	5.63	4.18
26	10.51	5.23	3.67	3.04	2.09	2.76	---	1.83	3.60	6.82	5.53	4.14
27	10.42	5.09	3.62	3.03	2.17	3.17	---	1.78	3.71	6.93	5.53	4.06
28	10.31	5.00	3.58	3.00	2.35	3.44	---	1.74	4.15	7.00	5.56	3.97
29	10.19	4.90	3.55	2.97	---	3.43	---	1.69	4.43	7.08	5.61	3.91
30	10.01	4.84	3.51	2.95	---	3.34	---	1.70	4.57	7.20	5.60	3.94
31	9.85	---	3.47	2.90	---	3.28	---	1.82	---	7.34	5.68	---
MEAN	10.86	7.11	3.97	3.21	2.41	2.45	---	---	3.35	5.69	6.84	5.09
MAX	11.20	9.68	4.78	3.45	2.85	3.44	---	---	4.57	7.34	7.84	5.85
MIN	9.85	4.84	3.47	2.90	2.00	2.11	---	---	2.40	4.44	5.53	3.91

02313000 WITHLACOOCHEE RIVER NEAR HOLDER, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1950-52, 1954 to 1995, 2004 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chloride, water, fltrd, mg/L (00940)
OCT 13...	0843	11.21	4,960	.2	7.2	157	24.6	--	--	--	--	--	--
OCT 20...	1254	10.91	5,040	.5	6.7	156	23.9	72	25.5	2.01	2.04	3.86	6.68
MAR 21...	1333	2.12	614	8.0	7.8	360	19.9	--	--	--	--	--	--
JUL 18...	1548	6.02	1,840	2.5	7.1	334	28.4	--	--	--	--	--	--

Date	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd, mg/L (00680)	Strontium, water, fltrd, ug/L (01080)
OCT 20...	5.85	4.1	.20	<.06	E.006	.08	26.9	--	106
MAR 21...	--	--	--	--	--	--	--	14.5	--
JUL 18...	--	--	--	--	--	--	--	22.7	--

02313100 RAINBOW SPRINGS NEAR DUNNELLO, FL

LOCATION.--Lat 29°06'08", long 82°26'16", in SE $\frac{1}{4}$ sec.12, T.16 S., R.18 E., Marion County, Hydrologic Unit 03100208, at head of springs, 3.9 mi north of Dunnellon, and 5.7 mi upstream from mouth.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--1899, 1905, 1907, 1917, 1929-30 (one discharge measurement each water year), October 1930 to November 1964 (discharge measurements only), January 1965 to current year. Prior to October 1940, published as Blue Springs near Dunnellon.

GAGE.--Nonrecording gage. Datum of gage is 28.34 ft above NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Nov. 19, 1948, at datum 1.63 ft higher. No gage prior to Oct. 8, 1930. July 22, 1931 to Apr. 1, 1933, water-stage recorder at present site. (April 1933 to March 1969, and since April 1971, nonrecording gage read at time of discharge measurements only.)

REMARKS.--Records good. Discharge measurements made approximately 0.25 mi upstream from bridge on State Highway 484 and 5.0 mi downstream from head of springs; surface inflow between springs and measuring site is negligible except after heavy rains. Discharge computed from relation between artesian pressure at Rainbow Springs well and discharge at measuring site. Artesian pressures are published as water levels for Rainbow Springs Well (290514082270701) in Water Resources Data, Volume 1B, Northeast Florida Ground Water.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	780	824	809	760	716	673	650	645	634	654	716	762
2	787	823	810	757	714	670	655	644	634	655	717	763
3	794	818	812	757	714	669	654	641	635	654	718	763
4	802	819	811	756	713	670	654	640	634	654	723	761
5	806	818	812	754	710	668	653	646	633	653	732	761
6	808	815	813	754	706	665	651	648	633	652	735	763
7	812	813	812	753	705	665	653	647	631	650	739	764
8	816	811	807	752	705	666	659	645	631	650	745	764
9	818	807	806	749	702	664	658	644	634	651	748	764
10	819	804	807	749	701	663	654	643	635	653	750	761
11	823	806	803	748	700	661	653	641	634	656	752	759
12	827	810	799	744	698	658	652	642	635	662	755	759
13	827	810	798	743	694	656	650	640	637	667	756	759
14	828	811	794	743	692	656	650	639	638	670	754	756
15	829	810	791	742	690	655	650	637	638	673	754	756
16	829	809	791	740	687	656	648	638	639	677	754	756
17	829	806	790	738	685	655	647	639	640	680	751	754
18	830	806	788	736	683	654	647	636	639	686	750	750
19	830	806	786	735	680	653	646	634	643	689	750	750
20	831	803	784	734	677	650	644	634	644	690	750	750
21	830	802	784	733	676	649	643	633	642	692	752	750
22	829	803	782	732	675	650	644	638	642	694	753	748
23	827	804	781	731	673	650	645	637	643	696	754	749
24	826	804	782	730	672	650	646	637	643	701	754	745
25	827	808	781	728	674	650	645	632	642	703	754	743
26	826	808	775	724	674	652	646	630	642	704	753	744
27	823	809	771	721	676	656	647	630	644	703	753	743
28	825	810	769	719	675	658	647	628	647	705	754	741
29	827	810	766	720	---	657	646	627	648	711	755	740
30	826	810	764	719	---	652	644	627	651	714	756	742
31	825	---	762	717	---	649	---	630	---	715	757	---
TOTAL	25,416	24,297	24,540	22,918	19,367	20,400	19,481	19,772	19,165	21,014	23,144	22,620
MEAN	820	810	792	739	692	658	649	638	639	678	747	754
MAX	831	824	813	760	716	673	659	648	651	715	757	764
MIN	780	802	762	717	672	649	643	627	631	650	716	740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

MEAN	749	731	709	695	682	684	684	670	661	675	700	735
MAX	1,023	953	907	934	924	1,016	957	925	914	879	993	1,039
(WY)	(1966)	(1966)	(1966)	(1998)	(1998)	(1998)	(1998)	(1970)	(1970)	(1970)	(1965)	(1965)
MIN	525	537	532	520	514	514	514	491	480	487	537	549
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2000)	(2000)

02313100 RAINBOW SPRINGS NEAR DUNNELON, FL—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1965 - 2005	
ANNUAL TOTAL	237,341		262,134			
ANNUAL MEAN	648		718		694	
HIGHEST ANNUAL MEAN					897 1970	
LOWEST ANNUAL MEAN					521 2001	
HIGHEST DAILY MEAN	831	Oct 20	831	Oct 20	1,060	Sep 19, 1988
LOWEST DAILY MEAN	547	Jun 13,20	627	May 29,30	a470	
ANNUAL SEVEN-DAY MINIMUM	550	Jun 16	629	May 25	473	Jun 15, 2001
MAXIMUM PEAK FLOW			835	Oct 20	1,230	Oct 12, 1964
MAXIMUM PEAK STAGE			c4.18	Oct 12	b5.90	Apr 6, 1960
INSTANTANEOUS LOW FLOW			624	May 29-31	460	Jun 7, 2000
10 PERCENT EXCEEDS	811		811		851	
50 PERCENT EXCEEDS	601		717		679	
90 PERCENT EXCEEDS	553		640		565	

* Measured
a June 18, 19, Jul 9, 2001
b Observed
c Observed at spring pool

02313200 WITHLACOOCHEE RIVER AT DUNNELLON, FL—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-87, 1993, 1995 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Organic carbon, water, unfltrd mg/L (00680)
OCT 12...	1130	30.16	.9	7.3	176	24.6	--
DEC 06...	1205	28.28	5.7	8.0	285	18.4	--
JAN 25...	1315	27.81	8.1	8.4	308	16.2	--
MAR 21...	1215	27.87	7.0	8.2	313	20.6	7.1
MAY 16...	1100	28.04	6.1	7.3	291	24.7	--
JUL 18...	1315	28.80	4.5	7.3	236	27.4	20.6
SEP 07...	1045	28.55	3.8	7.5	242	25.6	--

02313230 WITHLACOOCHEE RIVER AT INGLIS DAM, NEAR DUNNELLON, FL

LOCATION.--Lat 29°00'35", long 82°37'01", in SW¹/₄ sec.8, T.17 S., R.17 E., Levy County, Hydrologic Unit 03100208, on left bank at upstream side of control structure of Inglis Dam, 3.5 mi southeast of Inglis, 9.8 mi west of Dunnellon, and 11 mi upstream from mouth.

DRAINAGE AREA.--2,020 mi², approximately.

PERIOD OF RECORD.--June 1964 to September 1969 (gage heights and discharge measurements only), October 1969 to current year.

REVISED RECORDS.--WDR FL-72-3: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929. Prior to July 20, 1971, water-stage recorder at site in forebay of powerhouse of the old Inglis Dam and July 20, 1971, to Aug. 23, 1972, at site in private boat basin on south shore of Lake Rousseau at same datum. Auxiliary gage at downstream side of control structure.

REMARKS.--Records good. Records include flow of springs, approximately 70 ft³/s, just downstream from control structure; spring flow is considered to be mostly leakage from Lake Rousseau. Flow regulated by manipulation of gates in spillway. Discharge computed from relation between discharge and gate openings. Since December 1969, entire flow diverted below station from old river channel into Cross-Florida Barge Canal, and diversions above station from Lake Rousseau, for boat lockages, through Cross-Florida Barge Canal (see station 02313237) and for maintaining flow in old river channel through Withlacoochee River Bypass Channel (see station 02313250).

COOPERATION.--Gate opening record provided by Southwest Florida Water Management District.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,440	3,940	972	611	252	70	831	70	70	1,210	2,250	2,320
2	4,410	3,620	974	611	252	70	84	70	70	897	2,250	1,410
3	4,400	3,640	976	392	252	70	70	70	70	1,120	2,250	1,700
4	4,400	3,650	977	251	252	70	570	70	70	1,380	2,240	1,660
5	4,400	3,650	978	252	252	70	952	377	70	1,510	2,520	1,340
6	4,390	3,650	978	252	252	70	1,030	646	70	1,800	2,380	1,400
7	4,390	3,650	978	277	252	70	1,040	84	70	1,890	2,250	1,790
8	4,390	3,640	978	618	252	70	1,030	70	386	1,880	2,240	1,210
9	4,390	2,460	978	617	252	70	1,030	110	793	1,580	3,080	1,620
10	4,890	1,870	977	616	252	70	810	219	1,100	1,880	3,030	1,340
11	5,250	1,900	976	615	252	70	474	325	1,100	1,310	2,650	1,180
12	5,250	2,220	976	614	252	70	211	362	1,010	1,110	2,600	1,120
13	5,250	2,810	974	614	251	70	70	288	570	1,360	2,590	1,230
14	5,250	2,800	808	613	251	70	70	288	322	1,410	2,360	977
15	5,250	2,790	704	613	251	70	70	288	181	1,050	2,230	978
16	5,530	2,400	706	612	251	70	70	123	605	1,160	2,370	1,340
17	5,680	2,160	706	612	127	70	70	70	787	1,130	2,410	1,520
18	5,920	2,160	707	414	70	70	70	70	498	1,050	2,170	936
19	6,030	2,050	707	251	70	70	70	70	455	1,160	1,940	677
20	5,990	1,870	708	252	70	70	70	70	1,060	1,160	1,990	1,140
21	5,620	1,750	709	252	70	70	70	70	991	1,240	2,160	1,210
22	5,110	1,690	709	914	70	70	70	70	525	1,530	1,270	1,060
23	5,120	1,690	887	1,130	70	70	70	70	525	1,500	1,610	1,100
24	5,130	1,690	1,090	1,120	70	70	70	70	524	1,530	1,360	807
25	5,130	1,690	1,090	606	70	70	70	70	257	1,770	1,650	614
26	4,630	1,690	1,080	250	70	70	70	70	228	1,790	1,870	1,030
27	4,380	1,690	823	251	70	99	70	70	343	1,710	1,420	1,130
28	4,400	1,680	611	252	70	614	70	70	343	2,370	1,150	691
29	4,410	1,200	611	252	---	1,020	70	70	343	2,800	2,710	415
30	4,420	969	612	252	---	1,010	70	70	1,160	2,490	2,780	797
31	4,420	---	612	252	---	481	---	70	---	2,250	2,780	---
TOTAL	152,670	72,669	26,572	15,238	4,925	5,044	9,392	4,510	14,596	48,027	68,560	35,742
MEAN	4,925	2,422	857	492	176	163	313	145	487	1,549	2,212	1,191
MAX	6,030	3,940	1,090	1,130	252	1,020	1,040	646	1,160	2,800	3,080	2,320
MIN	4,380	969	611	250	70	70	70	70	70	897	1,150	415

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

	816	439	301	470	468	514	438	216	186	336	511	719
MEAN	816	439	301	470	468	514	438	216	186	336	511	719
MAX	4,925	2,573	2,035	4,417	4,390	5,067	3,353	1,125	797	2,058	3,066	2,722
(WY)	(2005)	(1970)	(1970)	(1998)	(1998)	(1998)	(1998)	(1987)	(2003)	(1982)	(2003)	(2003)
MIN	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.8	71.0
(WY)	(2001)	(1974)	(1974)	(1974)	(1974)	(1974)	(1974)	(1973)	(1973)	(1973)	(1981)	(1981)

SUMMARY STATISTICS

FOR 2004 CALENDAR YEAR

FOR 2005 WATER YEAR

WATER YEARS 1970 - 2005

ANNUAL TOTAL	341,950		457,945		
ANNUAL MEAN	934		1,255		451
HIGHEST ANNUAL MEAN					1,645
LOWEST ANNUAL MEAN					78.8
HIGHEST DAILY MEAN	6,030	Oct 19	6,030	Oct 19	6,030
LOWEST DAILY MEAN	70	Many days	70	Many days	70
ANNUAL SEVEN-DAY MINIMUM	70	Jan 1	70	Feb 18	70
MAXIMUM PEAK STAGE			28.07	Mar 27	28.28
10 PERCENT EXCEEDS	3,740		3,640		1,240
50 PERCENT EXCEEDS	70		810		75
90 PERCENT EXCEEDS	70		70		70

02313250 WITHLACOOCHEE RIVER BYPASS CHANNEL NEAR INGLIS, FL

LOCATION.--Lat 29°01'15", long 82°38'17", in NE $\frac{1}{4}$ sec.12, T.17 S., R.16 E., Levy County, Hydrologic Unit 03100208, on right bank 1.3 mi upstream from control structure, 1.4 mi upstream from mouth, and 3.0 mi east of Inglis.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--January 1970 to current year.

GAGE.--Water-stage recorder. Datum of gage is at NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to July 16, 1971, water-stage recorder for Withlacoochee River at Inglis Dam, near Dunnellon (station 02313230) used as base gage for this station. Prior to Sept. 26, 1991, gage located 90 ft above control structure and 1.3 mi downstream from present site.

REMARKS.--Records good. Flow regulated by manipulation of gates in spillway; channel completed and flow through spillway began Dec. 17, 1969. Discharge computed from relation between discharge and gate openings. Discharge at station is the diversion from Lake Rousseau to maintain flow in the old river channel.

COOPERATION.--Gate-opening record provided by Southwest Florida Water Management District.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,240	1,290	1,380	1,420	1,460	1,280	1,320	1,410	1,080	1,470	1,460	1,430
2	1,200	1,360	1,390	1,420	1,460	1,280	1,300	1,360	1,090	1,460	1,460	1,440
3	1,170	1,410	1,400	1,420	1,460	1,290	1,320	1,240	1,090	1,470	1,450	1,440
4	1,160	1,390	1,400	1,430	1,460	1,290	1,410	1,130	1,090	1,460	1,450	1,430
5	1,160	1,380	1,410	1,450	1,460	1,290	1,390	1,250	1,080	1,460	1,450	1,440
6	1,160	1,400	1,410	1,460	1,460	1,290	1,350	1,460	1,080	1,460	1,450	1,450
7	1,160	1,340	1,410	1,470	1,460	1,290	1,350	1,450	1,340	1,460	1,460	1,440
8	1,140	1,290	1,410	1,470	1,460	1,290	1,350	1,450	1,450	1,450	1,450	1,440
9	1,130	1,310	1,400	1,460	1,450	1,300	1,340	1,460	1,450	1,430	1,430	1,440
10	1,130	1,360	1,400	1,450	1,450	1,290	1,330	1,460	1,440	408	1,070	1,440
11	1,150	1,400	1,400	1,450	1,450	1,290	1,320	1,460	1,440	202	1,430	1,440
12	1,180	1,430	1,400	1,440	1,440	1,290	1,320	1,460	1,450	1,370	1,430	1,450
13	1,200	1,430	1,390	1,440	1,440	1,290	1,330	1,460	1,450	1,450	1,430	1,440
14	1,220	1,410	1,390	1,430	1,440	1,290	1,350	1,450	1,450	1,450	1,420	1,450
15	1,230	1,400	1,400	1,430	1,430	1,290	1,350	1,450	1,460	1,460	1,430	1,460
16	1,190	1,380	1,410	1,430	1,430	1,290	1,350	1,450	1,470	1,460	1,420	1,450
17	1,130	1,380	1,410	1,420	1,420	1,290	1,350	1,450	1,450	1,480	1,420	1,440
18	1,100	1,380	1,420	1,420	1,420	1,290	1,350	1,440	1,460	1,480	1,420	1,430
19	1,020	1,370	1,420	1,430	1,420	1,290	1,350	1,360	1,470	1,590	1,430	1,450
20	950	1,370	1,420	1,440	1,410	1,290	1,340	1,150	1,460	1,450	1,440	1,450
21	919	1,370	1,420	1,450	1,320	1,290	1,320	994	1,450	1,470	1,430	1,440
22	988	1,380	1,440	1,460	1,260	1,290	1,280	1,420	1,460	1,460	1,330	1,300
23	1,030	1,380	1,460	1,460	1,260	1,290	1,280	886	1,460	1,470	1,230	1,250
24	1,050	1,370	1,450	1,430	1,260	1,300	1,270	1,310	1,460	1,470	1,220	1,440
25	1,060	1,380	1,440	1,410	1,270	1,300	1,210	1,310	1,460	1,460	1,320	1,450
26	1,120	1,380	1,420	1,420	1,280	1,320	1,150	1,150	1,470	1,460	1,410	1,450
27	1,240	1,370	1,410	1,430	1,280	1,340	1,260	1,100	1,460	1,460	1,430	1,440
28	1,280	1,360	1,420	1,440	1,280	1,470	1,270	1,080	1,460	1,460	683	1,430
29	1,290	1,360	1,420	1,440	---	1,450	1,390	1,090	1,460	1,460	107	1,450
30	1,300	1,370	1,420	1,450	---	1,430	1,450	1,100	1,460	1,470	0.00	1,450
31	1,280	---	1,420	1,450	---	1,360	---	1,090	---	1,460	851	---
TOTAL	35,577	41,200	43,790	44,620	39,090	40,630	39,750	40,330	41,350	43,020	39,411.00	42,950
MEAN	1,148	1,373	1,413	1,439	1,396	1,311	1,325	1,301	1,378	1,388	1,271	1,432
MAX	1,300	1,430	1,460	1,470	1,460	1,470	1,450	1,460	1,470	1,590	1,460	1,460
MIN	919	1,290	1,380	1,410	1,260	1,280	1,150	886	1,080	202	0.00	1,250

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2005, BY WATER YEAR (WY)

	1974	1980	1998	1989	1989	1986	1984	1984	1984	1984	1984	1973
MEAN	1,089	1,061	1,042	1,045	1,083	1,062	1,047	957	960	1,032	1,091	1,118
MAX	1,594	1,566	1,574	1,549	1,502	1,480	1,574	1,518	1,551	1,548	1,557	1,577
(WY)	(1974)	(1980)	(1998)	(1989)	(1989)	(1986)	(1984)	(1984)	(1984)	(1984)	(1984)	(1973)
MIN	265	240	436	435	442	470	463	362	364	442	364	508
(WY)	(1973)	(1973)	(2001)	(2001)	(2001)	(2000)	(2001)	(2002)	(2000)	(2001)	(2001)	(2000)

SUMMARY STATISTICS

	FOR 2004 CALENDAR YEAR	FOR 2005 WATER YEAR	WATER YEARS 1970 - 2005
ANNUAL TOTAL	421,294	491,718.00	
ANNUAL MEAN	1,151	1,347	1,044
HIGHEST ANNUAL MEAN			1,488
LOWEST ANNUAL MEAN			454
HIGHEST DAILY MEAN	1,460	Dec 23	1,840
LOWEST DAILY MEAN	269	Sep 6	0.00
ANNUAL SEVEN-DAY MINIMUM	688	May 16	86
MAXIMUM PEAK STAGE			28.31
10 PERCENT EXCEEDS	1,420	1,460	1,500
50 PERCENT EXCEEDS	1,200	1,410	1,050
90 PERCENT EXCEEDS	830	1,150	572

WATER-QUALITY AT MISCELLANEOUS SITES

MISCELLANEOUS WATER-QUALITY RECORDS
OCTOBER 2004 TO SEPTEMBER 2005

The following surface-water data were collected near Brevard County, for a short-term project, to assess the temporal variations of dissolved bromide concentrations in Lake Washington and Lake Winder. Surface-water samples were taken at about 1 foot below lake surface at all stations. Climate conditions ranged from very dry to wet during the data-collection period.

02232400 -- ST. JOHNS RIVER NR COCOA, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
JUN 13...	1030	6.5	6.8	495	27.9	.33	105	334
JUL 14...	0940	4.9	6.9	323	30.1	.20	55.6	240
AUG 23...	1300	4.2	6.9	379	32.5	.25	62.0	244
SEP 13...	1030	6.5	7.6	377	27.7	.25	64.9	260

280650080445400 -- ST JOHNS RV AT S END LK WASHINGTON NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1815	.7	6.6	269	30.3	.15	34.9	198

280707080444200 -- LK WASHINGTON TRIB SECT 20 NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1830	1.8	6.7	416	30.3	.23	60.8	279

280715080450000 -- LAKE WASHINGTON SOUTH NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
JUN 13...	1230	5.3	6.8	272	29.0	.15	47.3	215
JUL 14...	1115	.7	6.8	254	29.9	.14	36.1	187
AUG 23...	1800	2.1	6.8	272	30.8	.15	35.9	197
SEP 13...	1250	3.6	7.2	260	28.0	.11	34.3	191

MISCELLANEOUS WATER-QUALITY RECORDS
OCTOBER 2004 TO SEPTEMBER 2005

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280742080440700 -- LK WASHINGTON TRIB SECT 16 NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1845	2.2	6.7	464	30.7	.25	68.5	284

280747080445300 -- LK WASHINGTON WA-7 NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1750	2.3	6.7	271	30.8	.15	35.5	188

280807080442500 -- LK WASHINGTON WA-6 NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1740	3.9	6.9	272	31.2	.15	35.6	184

280825080450000 -- LK WASHINGTON WA-5 NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1725	3.9	7.0	270	31.9	.14	35.3	189

280832080440300 -- LK WASHINGTON TRIB SECT 9/16 NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1700	3.9	7.1	695	32.0	.46	132	462

MISCELLANEOUS WATER-QUALITY RECORDS
OCTOBER 2004 TO SEPTEMBER 2005

280847080440500 -- LK WASHINGTON AT GAGE NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1645	3.8	7.1	293	30.3	.16	39.0	201

280851080443700 -- LAKE WASHINGTON CENTER NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
JUN 13...	1250	7.8	7.1	346	28.9	.20	63.2	240
JUL 14...	1140	3.3	6.7	257	29.7	.14	37.4	199
AUG 23...	1715	4.6	7.1	276	32.1	.15	36.3	186
SEP 13...	1310	6.0	7.3	255	28.5	.13	35.1	183

280900080450000 -- LK WASHINGTON WA-4 NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1620	4.2	7.0	269	32.3	.15	35.2	191

280918080442100 -- LK WASHINGTON WA-3 NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1630	4.9	7.1	301	31.4	.15	40.5	211

280930080450000 -- LK WASHINGTON WA-2 NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1605	4.6	7.1	274	32.4	.15	36.2	188

MISCELLANEOUS WATER-QUALITY RECORDS
OCTOBER 2004 TO SEPTEMBER 2005

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280956080445600 -- LAKE WASHINGTON NORTH NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
JUN 13...	1310	8.1	7.3	341	29.0	.20	63.1	243
JUL 14...	1200	3.3	6.8	250	30.5	<.01	36.1	192
AUG 23...	1535	5.0	7.1	290	32.0	.17	38.7	199
SEP 13...	1330	6.2	7.4	280	28.4	.14	40.0	192

280959080454000 -- ST JOHNS RV AT N END LK WASHINGTON NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1545	5.5	7.2	292	32.9	.17	39.1	191

281007080443000 -- LK WASHINGTON WA-1 NR MELBOURNE, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1525	4.9	7.2	309	31.8	.18	41.8	207

281303080512500 -- ST JOHNS RIVER 1.5MI S OF LK WINDER NR PINEDA, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	0930	.4	6.6	318	30.4	.19	44.3	221

281413080513700 -- ST JOHNS RIVER AT S END LK WINDER NR PINEDA, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	0900	.4	6.6	322	30.3	.19	44.9	230

MISCELLANEOUS WATER-QUALITY RECORDS
OCTOBER 2004 TO SEPTEMBER 2005

281433080513000 -- LAKE WINDER SOUTH NR PINEDA

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
JUN 13...	0900	7.0	6.6	529	28.3	.31	107	369
JUL 14...	0820	.7	6.9	248	29.7	.14	35.6	172
AUG 23...	0830	1.6	7.0	321	30.5	.19	45.6	223
SEP 13...	0920	3.7	7.2	309	27.4	.19	47.2	224

281437080504300 -- LK WINDER SE TRIB SECT 8 NR PINEDA, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1010	1.3	6.7	1,210	30.9	.80	228	726

281450080503200 -- LK WINDER SE TRIB SECT 5 NR PINEDA, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1030	.4	6.8	1,290	30.4	.87	240	744

281501080515000 -- LK WINDER SW TRIB SECT 1, NR PINEDA, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	0950	.9	6.6	322	31.8	.19	44.6	224

281504080510500 -- LK WINDER CENTER NR PINEDA, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1045	1.6	6.9	342	30.5	.20	48.7	227

MISCELLANEOUS WATER-QUALITY RECORDS
OCTOBER 2004 TO SEPTEMBER 2005

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281555080504500 -- LAKE WINDER NORTH NR PINEDA

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
JUN 13...	0930	6.6	6.7	328	28.1	.20	64.2	243
JUL 14...	0845	1.4	6.8	260	29.8	.15	39.2	186
AUG 23...	1100	3.8	6.9	324	32.2	.17	46.4	208
SEP 13...	0940	5.5	7.3	342	27.6	.20	54.0	245

281600080500800 -- ST JOHNS RIVER AT NORTH END LK WINDER NR PINEDA, FL

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1130	2.9	6.8	326	31.0	.20	46.7	221

281715080491200 -- E TRIB ST JOHNS RV SEC22 S LK POINSETT NR PINEDA

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1215	1.9	6.8	334	31.1	.20	47.8	229

281741080484700 -- W TRIB ST JOHNS RV SEC22 S LK POINSETT NR PINEDA

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor- ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 23...	1235	.2	6.4	356	28.7	.21	51.8	232

MISCELLANEOUS WATER-QUALITY RECORDS
OCTOBER 2004 TO SEPTEMBER 2005

The following surface-water data were collected near Osceola County, for a short-term project, to assess the temporal variations of dissolved bromide concentrations in the Taylor Creek Reservoir. Surface-water samples were taken at about 1 foot below lake surface at all stations with the exception of station 282052080562502, where the sample was taken at about 17 feet below lake surface. Climate conditions ranged from very dry to wet during the data-collection period.

02232415 -- TAYLOR CREEK NR COCOA, FL

Date	Time	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 24...	1310	3.5	6.3	96	28.3	.07	13.4	96

281902080572500 -- TAYLOR CREEK RESEVOIR, SO FORK NR NARCOOSSEE, FL

Date	Time	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 24...	1000	2.4	6.1	88	29.8	.07	13.2	100

281944080565800 -- TAYLOR CREEK RESEVOIR NR CENTER NR NARCOOSSEE, FL

Date	Time	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 24...	0935	4.9	6.3	84	30.5	.06	12.9	93

282004080555800 -- TAYLOR CR RES SE AT CHNL MARKER NR NARCOOSSEE, FL

Date	Time	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 24...	1035	5.3	6.2	83	30.4	.06	12.9	92

MISCELLANEOUS WATER-QUALITY RECORDS
OCTOBER 2004 TO SEPTEMBER 2005

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282052080562501 -- TAYLOR CREEK RESEVOIR(SURFACE) NR NARCOOSSEE,FL

Date	Time	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
JUN 14...	0945	7.7	7.1	91	27.8	.06	16.2	79
JUL 14...	1445	8.4	7.1	83	33.9	.06	13.5	84
AUG 24...	1115	3.9	6.2	84	30.1	.06	12.9	87
SEP 14...	1045	6.8	6.2	82	27.4	.06	12.7	79

282050080565800 -- TAYLOR CR RESEVOUR,ORANGE BRANCH,NR NARCOOSSEE, FL

Date	Time	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
AUG 24...	1140	4.8	6.2	83	31.7	.06	13.1	89

282052080562502 -- TALOR CREEK RESEVOIR(BOTTOM)NR NARCOOSSEE,FL

Date	Time	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Bromide water, fltrd, mg/L (71870)	Chlor-ide, water, fltrd, mg/L (00940)	Residue on evap. at 180degC wat flt mg/L (70300)
JUN 14...	1000	6.6	6.9	94	26.6	.06	16.2	80
JUL 14...	1448	4.8	6.9	87	28.0	.04	13.1	93
AUG 24...	1118	.9	6.0	86	28.7	.06	13.5	90
SEP 14...	1100	6.4	6.1	82	26.8	.06	12.3	82

ELEVATION OF LAKES

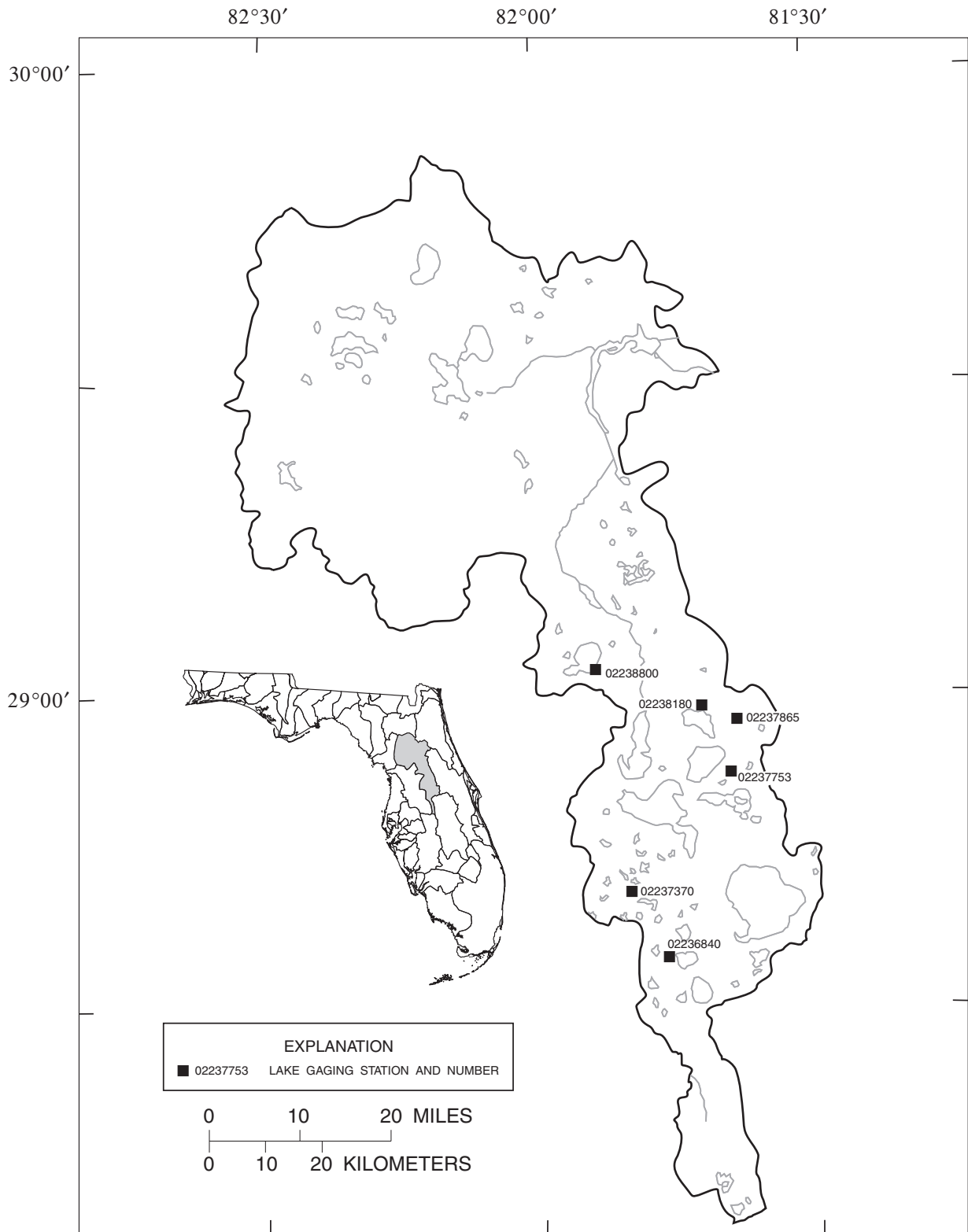


Figure 11.--Location of lake gaging stations in the Ocklawaha River basin.

02236840 LAKE MINNEHAHA AT CLERMONT, FL

LOCATION.--Lat 28° 32'13", long 81° 47'02", in NW¹/₄ sec.26, T.22 S., R.25 E., Lake County, Hydrologic Unit 03080102, on northwest side of lake in Cypress Cove, on private pier, 500 ft east of State Highway 561, and 1.2 mi southwest of Clermont.

SURFACE AREA.--2,410 acres (3.77 mi²).

DRAINAGE AREA.--131 mi².

PERIOD OF RECORD.--May 1945 to September 1995, October 1998 to current year.

REVISED RECORDS.--WDR FL-72-3: Drainage area, surface area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929. Prior to June 5, 1946, nonrecording gage, and June 5, 1946, to Dec. 8, 1969, water-stage recorder, at site 1.8 mi east on north shore of lake. Gage at datum 91.32 ft higher May 31, 1945 to Aug. 20, 1955. Dec. 9, 1969 to Sept. 30, 1995, water-stage recorder at site 0.2 mi north at present datum.

REMARKS.--Lake is one of the Palatlahaha River headwaters chain of lakes. Since 1956, lake level partly controlled by earthen dam and concrete spillway with radial lift gates at outlet of Cherry Lake.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 99.04 ft, Apr. 5, 1960; minimum daily, 87.66 ft, June 2, 2002.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	97.48	97.21	97.18	97.08	97.02	97.12	96.76	96.80	97.24	97.20	96.98
2	---	97.45	97.20	97.19	97.07	97.01	97.11	96.75	96.81	97.24	97.21	97.05
3	---	97.42	97.20	97.19	97.07	97.00	97.08	96.74	96.81	97.24	97.24	97.14
4	---	97.40	97.18	97.20	97.08	97.02	97.06	96.74	96.81	97.23	97.26	97.13
5	---	97.37	97.18	97.20	97.06	97.01	97.06	96.77	96.83	97.24	97.26	97.11
6	---	97.33	97.17	97.21	97.06	97.00	97.05	96.80	96.83	97.21	97.29	97.13
7	---	97.31	97.17	97.21	97.06	97.00	97.03	96.79	96.83	97.16	97.31	97.18
8	---	97.28	97.17	97.21	97.06	96.99	97.02	96.77	96.84	97.14	97.36	97.16
9	---	97.25	97.16	97.21	97.06	97.00	97.00	96.76	96.87	97.16	97.41	97.14
10	---	97.23	97.17	97.21	97.05	97.01	96.99	96.75	96.88	97.31	97.41	97.12
11	---	97.20	97.16	97.21	97.03	96.99	96.98	96.77	96.95	97.34	97.36	97.09
12	---	97.19	97.14	97.20	97.02	96.99	96.97	96.84	97.06	97.41	97.32	97.07
13	97.96	97.21	97.12	97.20	97.01	96.98	96.96	96.83	97.14	97.38	97.28	97.05
14	97.94	97.24	97.10	97.24	97.01	96.98	96.94	96.82	97.12	97.39	97.23	97.03
15	97.92	97.22	97.07	97.25	97.01	96.99	96.91	96.81	97.09	97.45	97.19	97.02
16	97.92	97.21	97.06	97.22	97.00	97.01	96.89	96.80	97.08	97.47	97.17	97.02
17	97.90	97.20	97.06	97.20	97.00	97.09	96.86	96.81	97.06	97.46	97.13	97.01
18	97.88	97.19	97.07	97.18	96.99	97.13	96.84	96.80	97.04	97.44	97.09	97.01
19	97.86	97.19	97.06	97.16	96.97	97.11	96.83	96.78	97.02	97.43	97.07	97.00
20	97.85	97.19	97.05	97.15	96.96	97.11	96.81	96.76	97.01	97.41	97.05	97.00
21	97.83	97.19	97.05	97.14	96.95	97.10	96.80	96.73	97.00	97.38	97.06	97.01
22	97.80	97.19	97.05	97.14	96.95	97.11	96.78	96.73	97.00	97.35	97.04	97.03
23	97.76	97.18	97.06	97.14	96.94	97.15	96.77	96.71	97.02	97.32	97.02	97.04
24	97.73	97.18	97.07	97.11	96.95	97.15	96.75	96.68	97.05	97.29	97.00	97.05
25	97.70	97.22	97.11	97.10	96.95	97.16	96.74	96.67	97.05	97.26	96.97	97.04
26	97.67	97.22	97.16	97.10	96.95	97.22	96.75	96.65	97.04	97.21	96.95	97.03
27	97.64	97.21	97.16	97.10	97.00	97.22	96.79	96.63	97.11	97.16	96.94	97.04
28	97.60	97.22	97.16	97.10	97.04	97.20	96.78	96.64	97.24	97.11	96.93	97.11
29	97.57	97.21	97.17	97.09	---	97.18	96.77	96.62	97.25	97.13	96.95	97.28
30	97.54	97.21	97.17	97.09	---	97.15	96.75	96.60	97.24	97.22	96.94	97.28
31	97.51	---	97.17	97.09	---	97.13	---	96.74	---	97.21	96.95	---
MEAN	---	97.25	97.13	97.17	97.01	97.07	96.91	96.74	97.00	97.29	97.15	97.08
MAX	---	97.48	97.21	97.25	97.08	97.22	97.12	96.84	97.25	97.47	97.41	97.28
MIN	---	97.18	97.05	97.09	96.94	96.98	96.74	96.60	96.80	97.11	96.93	96.98

02238800 LAKE WEIR NEAR WEIRSDALE, FL

LOCATION.--Lat 29°00'13", long 81°55'16", in NW $\frac{1}{4}$ sec. 21, T.17 S., R.24 E., Marion County, Hydrologic Unit 03080102, on southeast shore of lake, on private pier, 1.5 mi north of Weirsdale.

SURFACE AREA.--5,760 acres (9.00 mi²).

DRAINAGE AREA.--53.8 mi².

PERIOD OF RECORD.--April 1936 to October 1942 (monthly means only), November 1942 to September 1997, October 2000 to current year. Prior to October 2000, published as Lake Weir at Ocklawaha.

REVISED RECORDS.--WDR FL-74-1: Surface area, drainage area.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (levels by St. Johns River Water Management District). Prior to Oct. 1, 1997 at various locations on the north shore of the lake at different datums. See WDR FL-97-1 for the history of changes.

REMARKS.--Lake level partly controlled by broad-crested weir in outlet canal to the Ocklawaha River; elevation of fixed crest is 57.4 ft. Canal dug and control built in April 1938.

EXTREMES FOR PERIOD OF RECORD.--Maximum monthly elevation, 59.6 ft, Jan. 1938; minimum daily, 51.49 ft, June 10, 2002.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55.21	55.07	54.83	54.74	54.69	54.67	54.75	54.72	55.12	55.96	56.54	56.53
2	---	55.07	54.82	54.74	54.69	54.65	54.84	54.72	55.12	55.96	56.54	56.52
3	---	55.06	54.81	54.73	54.70	54.65	54.83	54.71	55.12	56.00	56.54	56.50
4	---	55.05	54.79	54.73	54.70	54.65	54.82	54.85	55.15	56.06	56.55	56.49
5	---	55.03	54.78	54.73	54.69	54.64	54.81	55.06	55.15	56.06	56.56	56.51
6	---	54.99	54.77	54.74	54.68	54.63	54.79	55.12	55.15	---	56.55	56.51
7	55.16	54.99	54.78	54.74	54.68	54.62	54.84	55.11	55.15	56.04	56.58	56.54
8	55.14	54.98	54.77	54.74	54.68	54.63	54.96	55.11	55.19	56.04	56.62	56.54
9	55.13	54.96	54.77	54.74	54.68	54.62	54.95	55.11	55.25	56.04	56.61	56.52
10	55.13	54.93	54.79	54.74	54.68	54.62	54.94	55.10	55.28	56.09	56.60	56.50
11	55.14	54.93	54.79	54.74	54.67	54.60	54.92	55.11	55.31	---	56.59	56.50
12	55.15	54.92	54.76	54.74	54.66	54.57	54.91	55.11	55.35	56.30	56.58	56.49
13	55.15	54.92	54.74	54.73	54.65	54.55	54.92	55.11	55.40	56.33	56.57	56.47
14	55.14	54.92	54.73	54.81	54.64	54.55	54.89	55.10	55.44	56.40	56.56	56.45
15	55.13	54.91	54.70	54.83	54.64	54.55	54.87	55.09	55.44	56.41	56.57	56.42
16	55.11	54.89	54.68	54.82	54.65	54.55	54.83	55.08	55.45	56.41	56.55	56.42
17	55.10	54.88	54.67	54.80	54.65	54.58	54.81	55.07	55.46	56.40	56.54	56.40
18	55.10	54.86	54.67	54.77	54.63	54.60	54.77	55.05	55.47	56.40	56.54	56.39
19	55.10	54.86	54.66	54.75	54.62	54.58	54.76	55.03	55.49	56.40	56.53	56.38
20	55.12	54.86	54.65	54.74	54.62	54.58	54.74	55.03	55.53	56.40	56.54	56.37
21	55.15	54.85	54.64	54.74	54.62	54.57	54.74	55.04	55.61	56.39	56.56	56.39
22	55.14	54.84	54.63	54.75	54.62	54.58	54.74	55.05	55.73	56.39	56.57	56.38
23	55.13	54.84	54.68	54.76	54.62	54.65	54.73	55.04	55.80	56.40	56.55	56.38
24	55.12	54.83	54.72	54.73	54.62	54.66	54.73	55.03	55.79	56.40	56.55	56.37
25	55.11	54.87	54.74	54.72	54.63	54.68	54.70	55.01	55.79	56.39	56.55	56.36
26	55.11	54.85	54.76	54.71	54.62	54.75	54.70	54.98	55.79	56.37	56.54	56.35
27	55.10	54.83	54.74	54.71	54.65	54.78	54.76	54.96	55.81	56.35	56.53	56.34
28	55.09	54.85	54.74	54.71	54.69	54.80	54.75	54.96	55.88	56.35	56.51	56.32
29	55.09	54.84	54.74	54.70	---	54.78	54.73	54.95	55.90	56.36	56.51	56.31
30	55.08	54.84	54.74	54.70	---	54.76	54.72	54.94	55.94	56.44	56.51	56.30
31	55.08	---	54.74	54.70	---	54.76	---	55.01	---	56.50	56.52	---
MEAN	---	54.92	54.74	54.74	54.66	54.64	54.81	55.01	55.47	---	56.55	56.43
MAX	---	55.07	54.83	54.83	54.70	54.80	54.96	55.12	55.94	---	56.62	56.54
MIN	---	54.83	54.63	54.70	54.62	54.55	54.70	54.71	55.12	---	56.51	56.30

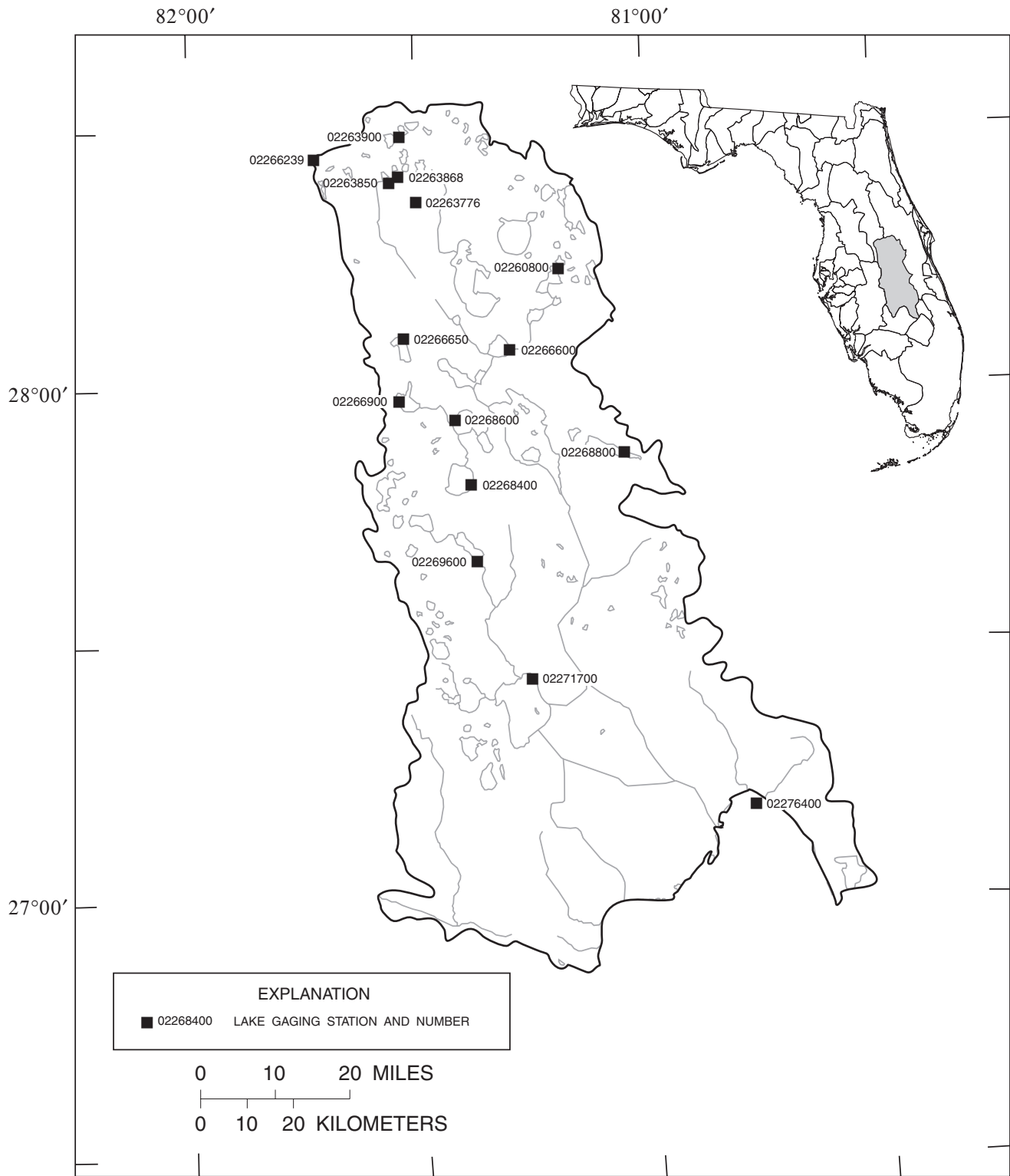


Figure 12.--Location of lake gaging stations in the Kissimmee River basin, the Taylor Creek basin and inflow to Lake Okeechobee from the north, and Fisheating Creek basin and inflow to Lake Okeechobee from the northwest.

KISSIMMEE RIVER BASIN

02263776 LAKE BRYAN NEAR VINELAND, FL

LOCATION.--Lat 28°21'46", long 81°29'57", in SE $\frac{1}{4}$ sec.27, T.24 S., R.28 E., Orange County, Hydrologic Unit 03090101, on west shore of lake, 1.1 mi south of intersection of Interstate Highway 4 and State Highway 535, and 2.2 mi south of Vineland.

SURFACE AREA.--210 acres (0.33 mi²).

DRAINAGE AREA.--2.70 mi².

PERIOD OF RECORD.--September 1969 to current year (fragmentary).

REVISED RECORDS.--WDR FL-72-2: Drainage area.

GAGE.--Nonrecording gage. Datum of gage is 90.00 ft above NGVD of 1929 (Florida Department of Transportation benchmark); gage readings have been reduced to elevations above NGVD of 1929. Prior to June 11, 1997 gage located about 50 ft south at datum 90.00 ft lower.

REMARKS.--Outflow from lake is to Shingle Creek.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 100.76 ft on or about Aug. 25, 2003; minimum observed, 95.64 ft, May 8, 1981.

ELEVATION ABOVE (NGVD1929), WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)
OCT		
01...	0730	99.22
NOV		
22...	1425	97.96
JAN		
10...	1002	97.83
MAR		
10...	1345	97.83
MAY		
16...	0735	97.85
JUN		
28...	0650	98.40
AUG		
31...	0605	98.39

02266600 CYPRESS LAKE NEAR ST. CLOUD, FL

LOCATION.--Lat 28° 04'29", long 81° 18'07", in SW¹/₄ sec.2, T.28 S., R.30 E., Osceola County, Hydrologic Unit 03090101, on east shore of lake, near mouth of Canoe Creek, and about 12 mi south of St. Cloud.

SURFACE AREA.--4,085 acres (6.38 mi²).

DRAINAGE AREA.--1,162 mi², combined drainage area of Cypress Lake and Lake Hatchineha.

PERIOD OF RECORD.--January 1942 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to June 6, 1950, at site on northwest shore at datum 48.78 ft higher and June 6, 1950 to Dec. 13, 1973, at site 2.3 mi southwest at datum 48.78 ft higher. Dec. 13, 1973 to June 21, 1979, at site 2.3 mi southwest at present datum.

REMARKS.--Lake is one of the Kissimmee River headwaters chain of lakes. Stage is affected by operation of control structures upstream and downstream. Flow into Short Canal begins at about elevation 53.2 ft. Overflow over the south shore begins at a slightly higher stage.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 57.18 ft, Sept. 26, 1960; minimum daily, 47.60 ft, June 4, 1971.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54.72	52.80	51.72	51.23	51.37	51.37	51.81	49.98	49.79	53.33	51.09	51.25
2	54.67	52.77	51.67	51.22	51.38	51.31	51.88	49.87	49.86	53.38	51.08	51.24
3	54.62	52.72	51.60	51.20	51.44	51.27	51.74	49.87	49.90	53.37	51.04	51.22
4	54.54	52.70	51.56	51.19	51.34	51.29	51.65	49.97	50.03	53.33	51.02	51.17
5	54.43	52.63	51.52	51.20	51.31	51.33	51.60	50.06	50.23	53.26	51.10	51.13
6	54.24	52.52	51.51	51.20	51.36	51.29	51.53	50.08	50.37	53.15	51.13	51.15
7	54.00	52.52	51.49	51.18	51.39	51.31	51.56	50.08	50.44	53.01	51.16	51.24
8	53.82	52.47	51.46	51.17	51.38	51.40	51.53	50.15	50.49	52.86	51.22	51.26
9	53.68	52.42	51.47	51.15	51.40	51.20	51.36	50.16	50.54	52.70	51.26	51.17
10	53.59	52.39	51.50	51.14	51.41	51.24	51.26	50.15	50.63	52.74	51.30	51.10
11	53.52	52.38	51.44	51.12	51.27	51.31	51.18	50.17	50.83	52.67	51.32	51.07
12	53.50	52.37	51.34	51.13	51.27	51.24	51.11	50.13	51.01	52.58	51.34	51.00
13	53.50	52.30	51.35	51.15	51.29	51.22	51.08	50.04	51.21	52.46	51.33	50.88
14	53.47	52.21	51.27	51.28	51.29	51.20	50.84	50.03	51.38	52.29	51.36	50.81
15	53.50	52.19	51.08	51.21	51.24	51.17	50.63	50.01	51.49	52.15	51.36	50.73
16	53.46	52.15	51.15	51.19	51.23	51.28	50.50	49.98	51.63	52.04	51.38	50.68
17	53.45	52.11	51.18	51.23	51.18	51.52	50.43	49.94	51.85	51.90	51.39	50.64
18	53.42	52.09	51.19	51.19	51.08	51.69	50.35	49.86	52.05	51.73	51.38	50.58
19	53.35	52.07	51.19	51.30	51.06	51.76	50.28	49.81	52.18	51.65	51.36	50.49
20	53.29	52.06	51.09	51.37	51.07	51.81	50.20	49.81	52.29	51.58	51.36	50.43
21	53.26	52.04	51.11	51.39	51.07	51.85	50.13	49.77	52.33	51.41	51.34	50.51
22	53.20	52.01	51.09	51.43	51.02	51.91	50.06	49.66	52.45	51.12	51.39	50.53
23	53.17	51.94	51.11	51.41	50.98	51.97	50.04	49.68	52.72	50.93	51.42	50.52
24	53.15	51.95	51.04	51.32	51.01	51.94	49.99	49.65	52.85	50.85	51.44	50.51
25	53.11	51.97	51.09	51.39	50.93	51.96	49.89	49.59	52.91	50.97	51.46	50.47
26	53.03	51.80	51.37	51.41	50.86	51.93	49.98	49.58	52.91	51.04	51.53	50.45
27	52.97	51.83	51.18	51.39	51.09	51.93	50.09	49.59	52.92	51.05	51.63	50.45
28	52.94	51.80	51.21	51.35	51.42	52.01	49.91	49.63	53.02	51.05	51.59	50.45
29	52.90	51.74	51.24	51.41	---	51.92	49.95	49.56	53.08	51.06	51.45	50.55
30	52.87	51.73	51.23	51.45	---	51.85	49.99	49.55	53.24	51.05	51.37	50.55
31	52.84	---	51.24	51.37	---	51.83	---	49.63	---	51.08	51.29	---
MEAN	53.56	52.22	51.31	51.27	51.22	51.56	50.75	49.87	51.55	52.06	51.32	50.81
MAX	54.72	52.80	51.72	51.45	51.44	52.01	51.88	50.17	53.24	53.38	51.63	51.26
MIN	52.84	51.73	51.04	51.12	50.86	51.17	49.89	49.55	49.79	50.85	51.02	50.43
CAL YR	2004	MEAN 50.49	MAX 54.75	MIN 48.57								
WTR YR	2005	MEAN 51.46	MAX 54.72	MIN 49.55								

KISSIMMEE RIVER BASIN

02266650 LAKE MARION NEAR HAINES CITY, FL

LOCATION.--Lat 28°05'56", long 81°31'51", in SE¹/₄ sec.29, T.27 S., R.28 E., Polk County, Hydrologic Unit 03090101, on northeast shore of lake, 4.5 mi east of Haines City.

SURFACE AREA.--2,968 acres (4.64 mi²).

DRAINAGE AREA.--35.7 mi².

PERIOD OF RECORD.--February to August 1958 (weekly); September 1958 to current year (once daily).

GAGE.--Nonrecording gage. Datum of gage is at NGVD of 1929 (South Florida Water Management District bench mark). July 21, 1959 to Sept. 8, 1963, at site 500 ft north and Sept. 9, 1963 to Jan. 29, 1974, at present site, at datum 63.22 ft higher.

REMARKS.--Lake is in the headwaters of Kissimmee River. Outflow from lake is through Lake Marion Creek to Lake Hatchineha.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation observed, 68.45 ft, Sept. 29, 2004; minimum daily observed, 64.45 ft, June 21, 2000.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68.40	67.54	67.04	66.80	66.70	66.60	66.74	66.56	66.32	67.40	66.60	---
2	68.35	67.50	67.02	66.80	66.68	66.58	66.74	66.56	66.42	67.38	66.60	66.08
3	68.35	67.56	67.00	66.80	66.68	66.58	66.74	66.52	66.48	67.34	66.60	66.11
4	68.30	67.40	67.00	66.78	66.66	66.54	66.70	66.50	66.50	---	66.60	66.09
5	68.25	67.40	66.90	66.78	66.66	66.54	66.70	66.68	66.54	67.34	66.58	66.06
6	68.20	67.34	66.90	66.78	66.66	66.50	66.68	66.68	66.60	67.30	66.64	66.06
7	68.16	67.34	66.87	66.78	66.64	66.50	66.68	66.68	66.60	67.30	66.66	66.06
8	68.10	67.30	66.84	66.76	66.64	66.54	66.66	66.68	66.60	67.26	66.66	66.03
9	68.10	67.30	66.80	66.76	66.64	66.52	66.64	66.60	66.66	67.40	66.62	66.03
10	68.06	67.30	66.80	66.76	66.60	66.52	66.64	66.60	66.68	67.40	66.60	66.01
11	68.06	67.30	66.78	66.76	66.60	66.50	66.64	66.58	66.68	67.32	66.58	66.00
12	68.08	67.28	66.78	66.74	66.58	66.50	66.62	66.54	67.10	67.48	66.60	65.97
13	68.10	67.26	66.70	66.74	66.58	66.50	66.62	66.54	67.10	---	66.60	65.94
14	68.00	67.24	66.70	66.86	66.56	66.50	66.60	66.50	67.10	---	66.60	65.91
15	68.00	67.20	66.66	66.86	66.56	66.50	66.58	66.50	67.10	67.30	---	65.88
16	68.00	67.20	66.66	66.86	66.54	66.60	66.58	66.54	67.08	67.24	66.58	65.86
17	67.90	67.18	---	66.86	66.54	66.72	66.50	66.56	67.30	67.20	66.54	65.82
18	67.90	67.16	66.70	66.86	66.52	66.80	66.50	66.56	67.30	67.16	66.50	65.79
19	67.85	67.16	66.70	66.84	66.52	66.80	66.48	66.40	67.10	67.16	66.40	65.75
20	67.80	67.14	66.70	66.84	66.50	66.82	66.48	66.38	67.00	67.12	66.32	65.73
21	67.80	67.10	66.70	66.84	66.50	66.84	66.46	66.34	67.00	67.08	66.30	65.75
22	67.75	67.10	66.74	66.80	66.50	66.84	66.42	66.32	67.08	67.04	66.26	65.78
23	67.75	67.08	66.74	66.80	66.48	66.88	66.42	66.32	67.08	67.00	66.18	65.77
24	67.70	67.10	66.78	66.80	66.48	66.85	66.40	66.32	67.08	66.94	66.08	65.76
25	67.70	67.08	66.78	66.78	66.48	66.86	66.40	66.30	67.10	66.90	66.08	65.75
26	67.70	67.08	---	66.78	66.46	66.84	---	66.30	67.10	66.90	66.08	65.73
27	67.68	67.08	66.80	66.74	66.48	66.84	---	66.28	67.20	66.87	66.10	65.72
28	67.60	67.08	66.80	66.74	66.60	66.80	66.58	66.28	67.20	66.87	66.10	65.77
29	67.58	67.06	66.80	66.70	---	66.76	66.58	66.26	67.24	66.78	66.18	65.84
30	67.58	67.06	66.80	66.70	---	66.76	66.56	66.26	67.40	66.72	66.10	65.84
31	67.56	---	66.80	66.70	---	66.80	---	66.28	---	66.60	66.10	---
MAX	68.40	67.56	---	66.86	66.70	66.88	---	66.68	67.40	---	---	---

02266900 LAKE PIERCE NEAR WAVERLY, FL

LOCATION.--Lat 27° 58'37", long 81° 32'33", in NW¹/₄ sec.8, T.29 S., R.28 E., Polk County, Hydrologic Unit 03090101, on west shore of lake, at public boat landing, 4.5 mi east of Waverly, and 5.5 mi northeast of town of Lake Wales.

SURFACE AREA.--3,736 acres (5.84 mi²).

DRAINAGE AREA.--58.9 mi².

PERIOD OF RECORD.--December 1947 to September 1971; October 1971 to July 2005 (fragmentary), August 2005 to current year. Prior to August 1959, records also for Catfish Creek near Lake Wales (station 02267000).

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (U.S. Army Corps of Engineers bench mark). Prior to Aug. 20, 1959, water-stage recorder on left bank of Catfish Creek 0.2 mi downstream from lake. Aug. 20, 1959, to Sept. 30, 1971, water-stage recorder, and Oct. 1, 1971, to July 13, 1981, nonrecording gage at present site at datum 72.13 ft higher and July 13, 1981 to July 29, 2005, nonrecording gage at same site and datum.

REMARKS.--Outflow from lake is through Catfish Creek to Lake Hatchineha, one of the Kissimmee River headwater lakes. Extreme elevations from period of record were corrected by levels Dec. 6, 2005.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 79.12 ft, Sept. 28, 2004; minimum observed, 74.67 ft, June 22, 2000.

ELEVATION ABOVE (NGVD 1929) FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elevation, feet above NGVD (72020)	Date	Time	Elevation, feet above NGVD (72020)
OCT 13...	1620	78.78	APR 11...	1240	77.44
DEC 13...	1410	77.52	MAY 25...	1408	76.72
FEB 07...	1610	77.38	MAY 31...	0920	76.76

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	77.42	77.32
2	---	---	---	---	---	---	---	---	---	---	77.46	77.31
3	---	---	---	---	---	---	---	---	---	---	77.46	77.29
4	---	---	---	---	---	---	---	---	---	---	77.46	77.27
5	---	---	---	---	---	---	---	---	---	---	77.49	77.23
6	---	---	---	---	---	---	---	---	---	---	77.48	77.20
7	---	---	---	---	---	---	---	---	---	---	77.49	77.17
8	---	---	---	---	---	---	---	---	---	---	77.48	77.15
9	---	---	---	---	---	---	---	---	---	---	77.49	77.13
10	---	---	---	---	---	---	---	---	---	---	77.48	77.12
11	---	---	---	---	---	---	---	---	---	---	77.47	77.10
12	---	---	---	---	---	---	---	---	---	---	77.46	77.08
13	---	---	---	---	---	---	---	---	---	---	77.47	77.06
14	---	---	---	---	---	---	---	---	---	---	77.46	77.04
15	---	---	---	---	---	---	---	---	---	---	77.47	77.01
16	---	---	---	---	---	---	---	---	---	---	77.46	76.95
17	---	---	---	---	---	---	---	---	---	---	77.42	76.91
18	---	---	---	---	---	---	---	---	---	---	77.40	76.88
19	---	---	---	---	---	---	---	---	---	---	77.38	76.81
20	---	---	---	---	---	---	---	---	---	---	77.34	76.79
21	---	---	---	---	---	---	---	---	---	---	77.33	76.78
22	---	---	---	---	---	---	---	---	---	---	77.36	76.78
23	---	---	---	---	---	---	---	---	---	---	77.33	76.78
24	---	---	---	---	---	---	---	---	---	---	77.30	76.78
25	---	---	---	---	---	---	---	---	---	77.50	77.28	76.76
26	---	---	---	---	---	---	---	---	---	---	77.29	76.75
27	---	---	---	---	---	---	---	---	---	---	77.34	76.72
28	---	---	---	---	---	---	---	---	---	---	77.36	76.77
29	---	---	---	---	---	---	---	---	---	77.38	77.35	76.87
30	---	---	---	---	---	---	---	---	---	77.40	77.32	76.88
31	---	---	---	---	---	---	---	---	---	77.41	77.31	---

02268600 LAKE ROSALIE NEAR LAKE WALES, FL

LOCATION(revised).--Lat 27° 56'25", long 81° 25'16", in SE $\frac{1}{4}$ sec.21, T.29 S., R.29 E., Polk County, Hydrologic Unit 03090101, on west side of lake, at southwest corner of private boat basin, 1/8 mi inland from the lake, 10.5 mi, northeast of Lake Wales.

SURFACE AREA.--4,592 acres (7.18 mi²).

DRAINAGE AREA.--133 mi².

PERIOD OF RECORD.--December 1941 to February 1942 (weekly); March to July 1942; August 1942 to August 1943 (fragmentary); March 1958 to April 1967 (weekly); May 1967 to July 2003 (once daily); August 2003 to September 2004; October 2004 to December 2004 (fragmentary); January 2005 to July 2005 (once daily); August 2005 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (U.S. Army Corps of Engineers bench mark). See WDR FL-02-1A for history of changes prior to Oct. 17, 1979. Oct. 17, 1979 to July 2, 2003 to Dec. 12, 2004, nonrecording gage at site 1/8 mi southwest at present datum.

REMARKS.--Outflow from lake is through diversion canal to Lake Kissimmee, the most downstream of the Kissimmee River headwaters chain of lakes and also through Rosalie Creek to Tiger Lake, thence through Tiger Creek to Lake Kissimmee.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 56.08 ft, Sept. 27, 2004; minimum observed, 50.30 ft June 2-4, 1967.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	54.10	54.00	54.30	54.60	---	55.05	---	---	54.78
2	---	---	---	54.10	54.00	54.30	54.60	---	55.05	---	---	54.77
3	---	54.52	---	54.12	54.00	54.30	54.60	---	55.10	---	---	54.76
4	---	---	---	54.12	54.00	54.30	54.60	---	55.10	---	54.69	54.75
5	---	---	---	54.14	54.00	54.30	54.50	---	55.15	---	54.95	54.72
6	---	---	---	54.10	53.90	54.30	54.40	---	55.15	---	55.01	54.69
7	---	---	---	54.10	53.90	54.30	54.40	---	55.19	---	55.04	54.66
8	---	---	---	54.19	53.90	54.36	54.40	---	55.19	---	55.12	54.62
9	---	---	---	54.17	53.90	54.36	54.30	---	55.15	---	55.17	54.57
10	---	---	---	54.19	53.90	54.36	54.30	---	55.17	---	55.22	54.54
11	---	---	---	54.12	53.90	54.36	54.30	---	55.12	---	55.27	54.50
12	---	---	---	54.20	53.80	54.36	54.30	---	55.10	---	55.27	54.46
13	55.16	---	---	54.20	53.80	54.36	54.30	---	55.12	---	55.26	54.40
14	---	---	---	54.20	53.80	54.36	54.30	---	55.08	---	55.23	54.33
15	---	---	---	54.20	53.80	54.40	54.20	---	55.10	---	55.18	54.28
16	---	---	---	54.19	53.80	54.42	54.20	---	55.10	---	55.14	54.25
17	---	---	53.78	54.19	53.70	54.42	54.20	---	55.09	---	55.09	54.20
18	---	---	---	54.26	53.70	54.45	54.19	---	55.10	---	55.02	54.16
19	---	---	---	54.22	53.70	54.60	54.19	---	55.04	---	54.97	54.10
20	---	---	---	54.18	53.70	54.60	54.10	---	55.04	---	54.91	54.08
21	---	---	---	54.17	53.70	54.60	54.10	---	55.02	---	54.90	54.05
22	---	---	---	54.12	53.70	54.60	54.12	---	55.04	---	54.89	54.06
23	---	---	---	54.10	53.70	54.70	54.12	---	55.10	---	54.87	54.04
24	---	---	---	53.96	53.60	54.70	54.01	---	55.05	---	54.87	54.00
25	---	---	---	53.98	53.60	54.70	54.00	---	55.10	---	54.80	53.96
26	---	---	---	54.00	53.60	54.70	54.00	---	55.15	---	54.83	53.92
27	---	---	---	54.10	53.60	54.70	54.00	---	55.18	---	54.85	53.88
28	---	---	---	54.12	53.60	54.70	54.00	---	55.20	---	54.83	53.85
29	---	---	---	53.99	---	54.70	54.00	---	55.20	---	54.76	53.87
30	---	---	---	54.22	---	---	54.00	---	55.20	---	54.80	53.83
31	---	---	---	54.19	---	54.70	---	---	---	---	54.76	---
MEAN	---	---	---	54.14	53.80	---	54.24	---	55.11	---	---	54.30
MAX	---	---	---	54.26	54.00	---	54.60	---	55.20	---	---	54.78
MIN	---	---	---	53.96	53.60	---	54.00	---	55.02	---	---	53.83

02269600 LAKE ARBUCKLE NEAR AVON PARK, FL

LOCATION.--Lat 27° 39'55", long 81° 22'38", in SW¹/₄ sec. 25, T.32 S., R.29 E., Polk County, Hydrologic Unit 03090101, at downstream side of CR64 bridge at the south shore of the lake, 9.5 mi northeast of Avon Park.

SURFACE AREA.--3,787 acres (5.92 mi²).

DRAINAGE AREA.--170 mi².

PERIOD OF RECORD.--December 1941 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929. June 27, 1945, to Nov. 15, 1950, May 9, 1956, to June 15, 1962, and May 11, 1967, to Dec. 11, 1975, nonrecording gage at site 500 ft northwest near head of Arbuckle Creek at datum 51.53 ft higher.

REMARKS.--Lake is the most downstream of the Arbuckle Creek headwater lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 58.3 ft, Sept. 24, 1948, from floodmark; minimum daily, 51.15 ft, June 10, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--An elevation of 58.7 ft, was reached in 1926 and 1928, from information by local residents.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	54.61	54.52	54.35	54.26	54.76	54.01	54.14	56.13	55.84	55.63
2	---	---	54.59	54.52	54.33	54.29	54.76	54.03	54.44	56.20	55.79	55.64
3	---	---	54.57	54.51	54.32	54.32	54.72	54.01	54.70	56.25	55.75	55.74
4	---	---	54.54	54.49	54.33	54.38	54.66	54.07	55.06	56.26	55.70	55.77
5	---	---	54.52	54.48	54.30	54.40	54.62	54.09	55.26	56.23	55.73	55.75
6	---	---	54.50	54.47	54.26	54.41	54.58	54.17	55.38	56.18	55.74	55.73
7	---	---	54.48	54.46	54.25	54.41	54.54	54.16	55.46	56.12	55.94	55.69
8	---	---	54.47	54.46	54.24	54.42	54.57	54.15	55.49	56.05	56.03	55.65
9	---	---	54.45	54.44	54.21	54.43	54.54	54.13	55.53	56.02	56.06	55.58
10	---	---	54.44	54.42	54.23	54.47	54.51	54.10	55.60	56.13	56.09	55.51
11	---	---	54.46	54.40	54.21	54.46	54.47	54.09	55.66	56.20	56.09	55.46
12	---	---	54.42	54.38	54.15	54.46	54.44	54.07	55.86	56.26	56.08	55.40
13	---	---	54.40	54.34	54.11	54.44	54.43	54.04	55.98	56.42	56.09	55.34
14	---	---	54.39	54.44	54.09	54.44	54.39	54.01	56.00	56.64	56.05	55.28
15	---	---	54.38	54.54	54.08	54.44	54.36	53.98	55.97	56.69	55.98	55.23
16	---	---	54.32	54.54	54.06	54.42	54.33	53.96	55.97	56.68	55.91	55.18
17	---	---	54.30	54.53	54.06	54.55	54.28	53.94	55.93	56.63	55.85	55.12
18	---	---	54.31	54.53	54.03	54.72	54.23	53.91	55.89	56.54	55.77	55.08
19	---	---	54.31	54.51	53.99	54.78	54.20	53.88	55.84	56.50	55.69	55.04
20	---	---	54.29	54.49	53.96	54.81	54.17	53.85	55.79	56.48	55.62	55.04
21	---	---	54.24	54.49	53.94	54.84	54.15	53.83	55.79	56.44	55.55	55.05
22	---	---	54.22	54.48	53.93	54.89	54.12	53.79	55.74	56.40	55.49	55.07
23	---	54.76	54.21	54.50	53.91	54.91	54.09	53.76	55.76	56.34	55.46	55.05
24	---	54.74	54.22	54.47	53.89	54.93	54.09	53.73	55.84	56.26	55.45	55.03
25	---	54.75	54.31	54.43	53.88	54.92	54.02	53.74	55.83	56.22	55.41	55.00
26	---	54.72	54.48	54.42	53.87	54.93	53.99	53.82	55.80	56.17	55.39	54.96
27	---	54.67	54.49	54.41	53.96	54.91	54.07	53.82	55.79	56.10	55.41	54.92
28	---	54.68	54.50	54.41	54.17	54.91	54.04	53.84	55.80	56.03	55.48	54.92
29	---	54.65	54.51	54.38	---	54.88	54.00	53.83	55.86	55.98	55.58	55.00
30	---	54.62	54.52	54.38	---	54.84	53.96	53.79	56.03	55.91	55.64	55.02
31	---	---	54.52	54.38	---	54.80	---	53.86	---	55.87	55.65	---
MEAN	---	---	54.42	54.46	54.11	54.62	54.34	53.95	55.61	56.27	55.75	55.30
MAX	---	---	54.61	54.54	54.35	54.93	54.76	54.17	56.03	56.69	56.09	55.77
MIN	---	---	54.21	54.34	53.87	54.26	53.96	53.73	54.14	55.87	55.39	54.92

02271700 LAKE ISTOKPOGA NEAR DE SOTO CITY, FL

LOCATION.--Lat 27° 26' 27", long 81° 15' 42", in NE $\frac{1}{4}$ sec. 18, T. 35 S., R. 31 E., Highlands County, Hydrologic Unit 03090101, in canal on northeast corner of lake, at Palm Estates Retirement Community, 0.6 mi southwest of town of Florida, and 9.1 mi east of De Soto City.

SURFACE AREA.--27,500 acres (43.0 mi²).

DRAINAGE AREA.--607 mi².

PERIOD OF RECORD.--August 1936 to current year. July 1965 to September 1989, records for Canal 41A at S-68 at Lake Istokpoga, near Lake Placid (station 02273200).

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is at NGVD of 1929 (levels by South Florida Water Management District). Prior to May 19, 1937, nonrecording gage at datum 40.54 ft higher and May 19, 1937, to Aug. 17, 1942, at datum 38.54 ft higher, at site on northwest shore of lake 4.0 mi southwest of mouth of Arbuckle Creek. Aug. 20, 1942, to July 6, 1965, water-stage recorder near mouth of Arbuckle Creek at datum 34.07 ft higher. July 7, 1965, to Nov. 27, 1973, water-stage recorder at site 7.5 mi south at datum 30.00 ft higher. Nov. 28, 1973, to Mar. 27, 1990, at present datum at site 7.5 mi south.

REMARKS.--Lake controlled by dam with removable stoplogs in Istokpoga Canal from June 1949 to July 1962. Since July 21, 1962, lake controlled by operation of structure 68 on Canal 41A on southeast shore of lake. Dam on Istokpoga Canal is still in place. Flow occurs at times in this canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily elevation, 42.9 ft, estimated, Sept. 17, 1945; minimum daily, 35.40 ft, May 30, 1962.

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39.58	39.44	39.50	39.41	39.31	39.44	39.35	38.92	38.93	---	38.60	38.71
2	39.49	39.45	39.49	39.40	39.33	39.41	39.39	38.89	39.08	---	38.61	38.72
3	39.43	39.45	39.43	39.41	39.37	39.35	39.31	38.89	39.11	---	38.57	38.78
4	39.36	39.47	39.37	39.41	39.28	39.40	39.31	39.06	39.16	---	38.54	38.81
5	39.38	39.44	39.35	39.41	39.28	39.43	39.33	39.10	39.19	---	38.53	38.84
6	39.39	39.35	39.37	39.42	39.31	39.41	39.35	38.96	39.18	---	38.54	38.88
7	39.38	39.33	39.38	39.43	39.33	39.43	39.44	38.92	39.13	---	38.50	38.77
8	39.42	39.29	39.39	39.43	39.35	39.47	39.38	38.91	39.02	---	38.49	38.66
9	39.43	39.27	39.42	39.42	39.36	39.38	39.31	38.86	38.88	---	38.46	38.65
10	39.43	39.30	39.48	39.42	39.35	39.43	39.26	38.82	38.74	---	38.45	38.69
11	39.46	39.33	39.42	39.42	39.28	39.47	39.26	38.76	38.75	---	38.41	38.71
12	39.53	39.35	39.37	39.43	39.32	39.43	39.26	38.68	38.65	---	38.40	38.74
13	39.45	39.36	39.39	39.47	39.32	39.43	39.27	38.63	38.53	---	38.49	38.74
14	39.37	39.34	39.33	39.46	39.33	39.40	39.17	38.60	38.43	---	38.54	38.73
15	39.39	39.34	39.20	39.37	39.32	39.37	39.03	38.60	38.44	---	38.60	38.75
16	39.36	39.37	39.27	39.33	39.33	39.45	38.98	38.61	38.48	---	38.63	38.80
17	39.38	39.38	39.29	39.30	39.33	39.49	38.96	38.58	38.48	---	38.66	38.73
18	39.41	39.41	39.31	39.19	39.25	39.47	38.95	38.52	38.43	---	38.67	38.71
19	39.44	39.42	39.30	39.24	39.25	39.46	38.93	38.50	38.40	38.31	38.67	38.63
20	39.47	39.43	39.26	39.30	39.28	39.46	38.92	38.51	38.42	38.25	38.65	38.62
21	39.52	39.43	39.28	39.31	39.27	39.46	38.90	38.48	38.42	38.24	---	38.76
22	39.45	39.44	39.31	39.32	39.27	39.47	38.88	38.44	38.42	38.25	---	38.86
23	39.41	39.47	39.31	39.29	39.27	39.51	38.95	38.46	38.48	38.25	---	38.89
24	39.39	39.50	39.29	39.25	39.30	39.41	38.81	38.44	38.44	38.24	---	38.92
25	39.36	39.53	39.36	39.29	39.27	39.44	38.81	38.37	38.54	38.32	38.25	38.92
26	39.35	39.44	39.53	39.30	39.26	39.38	38.84	38.34	38.57	38.41	38.32	38.94
27	39.35	39.50	39.40	39.30	39.53	39.42	38.96	38.43	38.58	38.47	38.43	---
28	39.36	39.48	39.40	39.28	39.50	39.41	38.88	38.49	38.56	38.53	38.50	---
29	39.40	39.47	39.41	39.33	---	39.33	38.94	38.46	---	38.58	38.62	---
30	39.42	39.49	39.39	39.34	---	39.30	38.96	38.48	---	38.60	38.68	---
31	39.42	---	39.40	39.31	---	39.33	---	38.59	---	38.60	38.68	---
MEAN	39.42	39.41	39.37	39.35	39.32	39.42	39.10	38.65	---	---	---	---
MAX	39.58	39.53	39.53	39.47	39.53	39.51	39.44	39.10	---	---	---	---
MIN	39.35	39.27	39.20	39.19	39.25	39.30	38.81	38.34	---	---	---	---

02276400 LAKE OKEECHOBEE, FL

LOCATION.--Center of lake, lat 26° 57', long 80° 50', in southern Florida, Hydrologic Unit 03090201.

SURFACE AREA.--436,000 acres (681 mi²) at elevation 14 ft above sea level, from data provided by U.S. Army Corps of Engineers.

DRAINAGE AREA.--About 5,650 mi².

PERIOD OF RECORD.--October 1931 to current year.

REVISED RECORDS.--WRD FL 1969: Surface area. WDR FL-77-1: capacity table.

GAGE.--Four water-stage recorders at various locations around the lake. From Oct. 1, 2000 to Mar. 14, 2001, ten water-stage recorders at various locations around the rim of the lake. Datum of gages is at NGVD of 1929 (levels by U.S. Army Corps of Engineers). See WDR FL-00-1A for history of changes prior to Oct. 1, 2000.

REMARKS.--Lake is diked to form a reservoir and is regulated by control structure gates at several outlets. It is used for navigation, municipal water supply, irrigation, and flood control. Total usable capacity is 2,860,000 acre-ft between elevations 10.5 and 17.5 ft. Daily elevations are an average of the gage readings from around the lake.

COOPERATION.--Records of elevations and capacity table provided by U.S. Army Corps of Engineers.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 18.77 ft, Nov. 2, 1947; minimum daily, 8.97 ft, May 23, 2001.

Capacity table, (elevation, in feet, and capacity, in acre-feet)

10.0	2,040,000	15.0	3,950,000
11.0	2,370,000	16.0	4,380,000
12.0	2,720,000	17.0	4,830,000
13.0	3,110,000	18.0	5,290,000
14.0	3,530,000		

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.53	17.13	16.15	15.57	15.19	14.80	15.38	14.78	14.09	16.02	16.18	15.76
2	17.65	17.05	16.12	15.57	15.17	14.79	15.38	14.75	14.21	16.11	16.15	15.78
3	17.74	16.96	16.08	15.57	15.16	14.76	15.37	14.74	14.36	16.18	16.14	15.79
4	17.83	16.91	16.05	15.56	15.12	14.78	15.39	14.76	14.55	16.26	16.12	15.79
5	17.89	16.86	16.01	15.56	15.07	14.79	15.36	14.79	14.65	16.29	16.19	15.82
6	17.94	16.78	16.01	15.56	15.08	14.79	15.35	14.75	14.73	16.31	16.18	15.83
7	18.00	16.73	15.99	15.56	15.06	14.79	15.38	14.72	14.87	16.32	16.16	15.86
8	18.01	16.68	15.97	15.54	15.03	14.78	15.39	14.69	14.94	16.34	16.17	15.87
9	18.01	16.61	15.95	15.53	15.01	14.79	15.37	14.64	14.99	16.41	16.16	15.85
10	18.01	16.56	15.94	15.51	14.96	14.89	15.35	14.60	15.03	16.50	16.17	15.83
11	18.01	16.52	15.92	15.49	14.89	14.94	15.34	14.56	15.16	16.54	16.15	15.81
12	18.02	16.49	15.86	15.47	14.87	14.93	15.32	14.52	15.24	16.57	16.12	15.80
13	18.00	16.45	15.85	15.45	14.85	14.94	15.31	14.47	15.27	16.59	16.09	15.79
14	17.98	16.43	15.78	15.47	14.84	14.94	15.29	14.43	15.30	16.61	16.06	15.77
15	17.95	16.39	15.67	15.45	14.82	14.93	15.24	14.41	15.31	16.62	16.04	15.76
16	17.86	16.37	15.66	15.45	14.80	14.95	15.21	14.39	15.33	16.63	16.02	15.74
17	17.81	16.35	15.64	15.42	14.78	15.13	15.17	14.37	15.37	16.63	15.99	15.70
18	17.77	16.34	15.62	15.39	14.74	15.31	15.16	14.33	15.38	16.62	15.94	15.65
19	17.73	16.33	15.59	15.41	14.71	15.34	15.12	14.29	15.38	16.62	15.89	15.64
20	17.71	16.32	15.55	15.41	14.70	15.35	15.07	14.24	15.42	16.60	15.84	15.57
21	17.67	16.30	15.52	15.41	14.68	15.38	15.02	14.18	15.45	16.58	15.79	15.57
22	17.60	16.28	15.52	15.41	14.67	15.43	14.99	14.13	15.48	16.55	15.75	15.58
23	17.55	16.27	15.52	15.38	14.65	15.43	14.93	14.07	15.53	16.51	15.71	15.57
24	17.50	16.25	15.52	15.32	14.63	15.43	14.84	14.00	15.56	16.48	15.69	15.56
25	17.46	16.24	15.54	15.32	14.70	15.45	14.83	13.98	15.59	16.46	15.67	15.54
26	17.39	16.20	15.56	15.31	14.73	15.46	14.85	14.01	15.62	16.42	15.72	15.53
27	17.33	16.19	15.54	15.30	14.81	15.47	14.91	14.04	15.69	16.37	15.76	15.52
28	17.27	16.19	15.56	15.27	14.82	15.44	14.86	14.02	15.80	16.32	15.76	15.52
29	17.25	16.17	15.57	15.26	---	15.40	14.85	14.00	15.85	16.27	15.75	15.53
30	17.21	16.17	15.56	15.24	---	15.39	14.83	13.98	15.93	16.24	15.73	15.50
31	17.16	---	15.57	15.22	---	15.38	---	14.00	---	16.22	15.73	---
MEAN	17.70	16.48	15.75	15.43	14.88	15.11	15.16	14.38	15.20	16.43	15.96	15.69
MAX	18.02	17.13	16.15	15.57	15.19	15.47	15.39	14.79	15.93	16.63	16.19	15.87
MIN	17.16	16.17	15.52	15.22	14.63	14.76	14.83	13.98	14.09	16.02	15.67	15.50
CAL YR	2004	MEAN	14.73	MAX	18.02	MIN	12.17					
WTR YR	2005	MEAN	15.69	MAX	18.02	MIN	13.98					

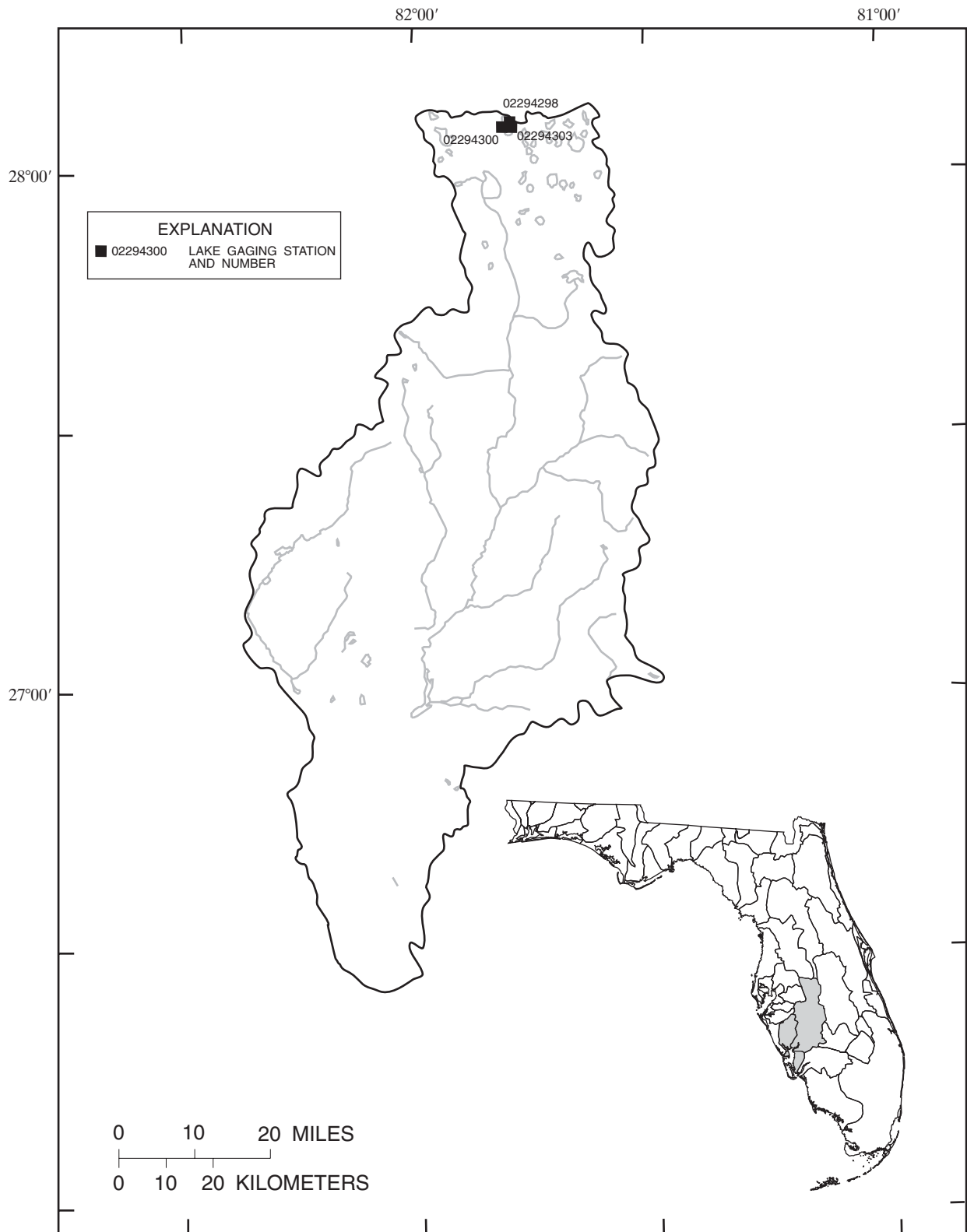


Figure 13.--Location of lake gaging stations in the Peace and Myakka River basins, Charlotte Harbor and coastal area.

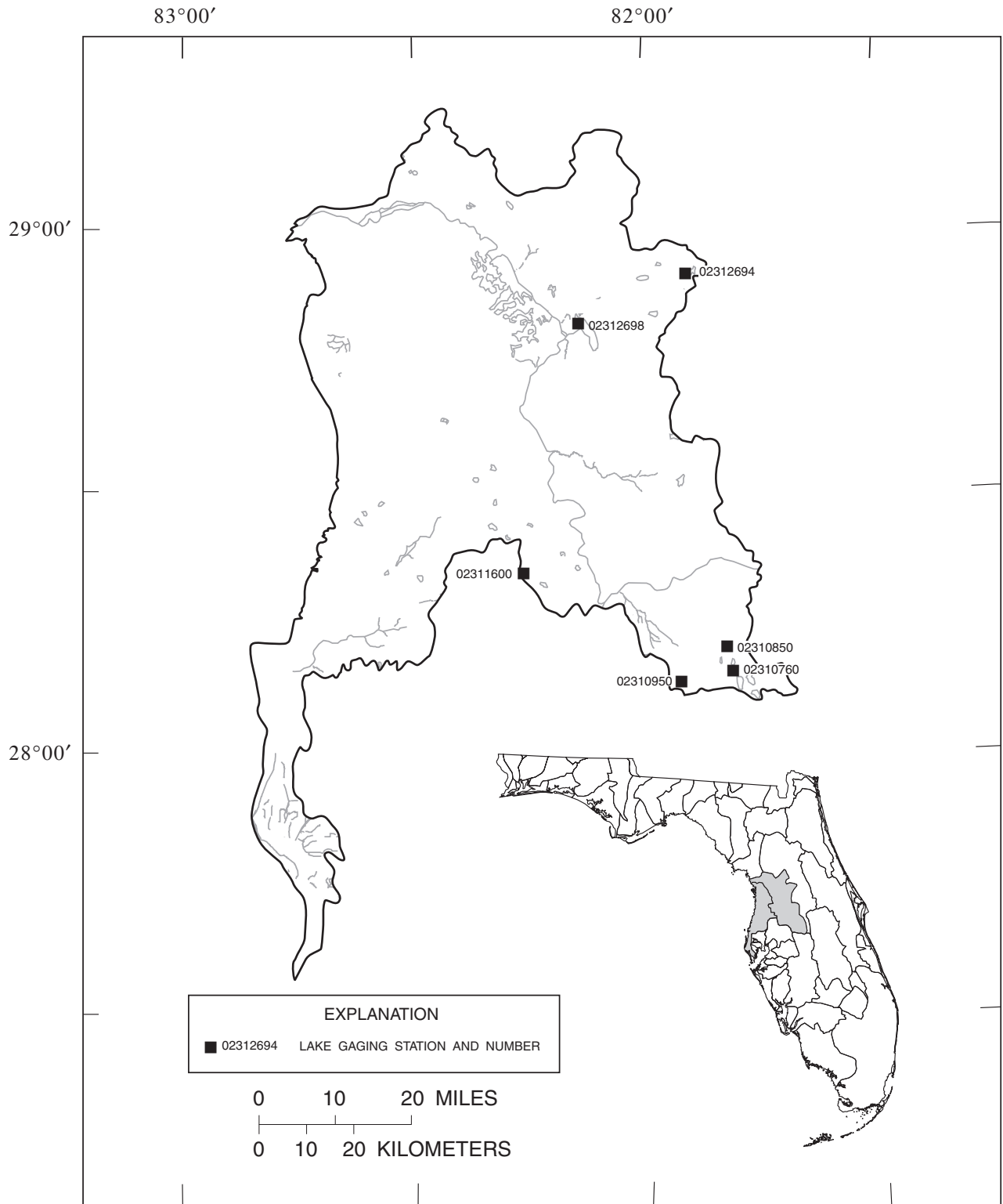


Figure 14.--Location of lake gaging stations in the Withlacoochee River basin and coastal areas.

02312694 LADY LAKE NEAR LADY LAKE, FL

LOCATION.--Lat 28° 54'50", long 81° 53'43", in NE¹/₄ sec.22, T.18 S., R.24 E., Lake County, Hydrologic Unit 03100208, on south shore of lake, 1.5 mi east of town of Lady Lake.

SURFACE AREA.--190 acres (0.30 mi²).

DRAINAGE AREA.--4.67 mi².

PERIOD OF RECORD.--February 1970 to September 1973 (weekly); October 1973 to current year (fragmentary).

REVISED RECORDS.--WDR FL-72-3: Drainage area, surface area.

GAGE.--Nonrecording gage. Datum of gage is at NGVD of 1929.

REMARKS.--Lake is landlocked. There is some pumpage from lake for irrigation purposes.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation observed, 66.60 ft, Apr. 16, 1984; minimum unknown, lake observed dry, July 2001.

ELEVATION ABOVE (NGVD1929), FEET, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Elev- ation, feet above NGVD (72020)
OCT		
19...	0920	64.24
DEC		
14...	1520	63.87
FEB		
07...	1327	63.82
APR		
06...	1331	63.77
JUN		
02...	1401	63.65
JUL		
25...	1403	64.22

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Conversion Factors

Multiply	By	To obtain
Length		
inch (in.)	2.54×10^1	millimeter (mm)
	2.54×10^{-2}	meter (m)
foot (ft)	3.048×10^{-1}	meter (m)
mile (mi)	1.609×10^0	kilometer (km)
Area		
acre	4.047×10^3	square meter (m ²)
	4.047×10^{-1}	square hectometer (hm ²)
	4.047×10^{-3}	square kilometer (km ²)
square mile (mi ²)	2.590×10^0	square kilometer (km ²)
Volume		
gallon (gal)	3.785×10^0	liter (L)
	3.785×10^{-3}	cubic meter (m ³)
	3.785×10^0	cubic decimeter (dm ³)
million gallons (Mgal)	3.785×10^3	cubic meter (m ³)
	3.785×10^{-3}	cubic hectometer (hm ³)
cubic foot (ft ³)	2.832×10^{-2}	cubic meter (m ³)
	2.832×10^1	cubic decimeter (dm ³)
cubic-foot-per-second day [(ft ³ /s) d]	2.447×10^3	cubic meter (m ³)
	2.447×10^{-3}	cubic hectometer (hm ³)
acre-foot (acre-ft)	1.233×10^3	cubic meter (m ³)
	1.233×10^{-3}	cubic hectometer (hm ³)
	1.233×10^{-6}	cubic kilometer (km ³)
Flow		
cubic foot per second (ft ³ /s)	2.832×10^1	liter per second (L/s)
	2.832×10^{-2}	cubic meter per second (m ³ /s)
	2.832×10^1	cubic decimeter per second (dm ³ /s)
gallon per minute (gal/min)	6.309×10^{-2}	liter per second (L/s)
	6.309×10^{-5}	cubic meter per second (m ³ /s)
	6.309×10^{-2}	cubic decimeter per second (dm ³ /s)
million gallons per day (Mgal/d)	4.381×10^{-2}	cubic meter per second (m ³ /s)
	4.381×10^1	cubic decimeter per second (dm ³ /s)
Mass		
ton (short)	9.072×10^{-1}	megagram (Mg) or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

$$^{\circ}\text{F} = (1.8 \times ^{\circ}\text{C}) + 32$$

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
12703 Research Pkwy
Orlando, FL 32826