

## 261533080571600 L-28 INTERCEPTOR CANAL BELOW S-190 NEAR CLEWISTON, FL

LOCATION.--Lat 26°15'33", long 80°57'16", in SW ¼ sec.32, T.48 S., R.34 E., Hendry County, Hydrologic Unit 03090202, on east bank of Levee 28 Interceptor canal, 500 ft upstream from the northern boundary of Big Cypress National Preserve and inside the southern boundary of the Big Cypress Seminole Indian Reservation, 3.3 mi south of State Road 833, 4.6 mi west of the intersection of the Hendry, Collier and Broward county lines, 6.6 mi north of U.S. Interstate 75, and 33 mi south of Clewiston.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage shaft encoder and acoustic doppler velocity meter provided by the U.S. Geological Survey. Acoustic velocity meter prior to January 1, 2001. Electronic data logger with cellular phone/radio telemetry provided by South Florida Water Management District. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair except for daily discharges below 100 cfs and estimated discharges, which are poor. Flow affected by levee and control structure S-190 about 2 mi upstream. Flow is positive to the south.

COOPERATION.--Seminole Tribe of Florida.

ANNUAL MEAN and ANNUAL RUNOFF (AC-FT) SUMMARY STATISTICS.--Figures represent 5 complete water years of discharge (1998-2001, 2004).

EXTREME STAGES FOR PERIOD OF RECORD.--Maximum gage height, 13.80 ft Nov. 5, 1998; minimum, 9.13 ft May 23, 2001.

EXTREME STAGES FOR CURRENT YEAR.--Maximum gage height, 13.45 ft Oct. 1; minimum, 9.56 ft June 1.

GAGE HEIGHT, FEET  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.41	11.73	11.31	11.25	11.62	11.63	10.88	10.52	9.73	11.07	11.72	12.50
2	13.31	11.69	11.29	11.23	11.56	11.58	10.84	10.48	9.88	11.07	12.03	12.51
3	13.20	11.83	11.30	11.22	11.48	11.52	10.81	10.49	10.00	11.28	12.13	12.37
4	13.04	11.82	11.32	11.22	11.56	11.53	10.78	10.57	10.02	11.17	12.10	12.40
5	12.91	12.01	11.30	11.21	11.46	11.55	10.76	10.57	10.07	11.12	12.13	12.99
6	12.81	11.86	11.24	11.18	11.58	11.41	10.76	10.57	10.16	11.10	12.44	13.22
7	12.67	11.76	11.23	11.12	11.46	11.45	10.75	10.57	10.18	11.11	12.42	13.15
8	12.60	11.83	11.24	11.13	11.42	11.43	10.72	10.55	10.19	11.29	12.25	13.10
9	12.49	11.73	11.26	11.13	11.38	11.34	10.69	10.52	10.25	11.20	12.17	13.01
10	12.45	11.74	11.26	11.08	11.51	11.28	10.68	10.50	10.48	11.13	12.10	12.95
11	12.46	11.76	11.24	11.04	11.39	11.25	10.70	10.49	11.04	11.08	12.35	12.81
12	12.44	11.67	11.24	11.06	11.32	11.23	10.71	10.47	11.21	11.05	12.49	12.76
13	12.42	11.65	11.25	11.06	11.43	11.22	10.83	10.43	11.30	11.02	12.52	12.63
14	12.35	11.73	11.27	11.05	11.47	11.20	10.83	10.39	11.30	10.99	12.86	12.57
15	12.31	11.63	11.47	11.03	11.37	11.21	10.83	10.36	11.40	10.97	12.82	12.53
16	12.25	11.60	11.45	11.03	11.44	11.20	10.83	10.32	11.44	11.02	12.84	12.42
17	12.23	11.58	11.53	11.04	11.40	11.18	10.82	10.29	11.37	11.10	12.76	12.33
18	12.17	11.57	11.45	11.08	11.26	11.18	10.81	10.24	11.37	11.35	12.72	12.33
19	12.11	11.63	11.57	11.13	11.26	11.15	10.79	10.21	11.37	11.38	12.82	12.33
20	12.11	11.57	11.41	11.11	11.24	11.14	10.77	10.17	11.24	11.45	12.63	12.23
21	12.03	11.51	11.33	11.11	11.22	11.10	10.76	10.13	11.30	11.47	12.55	12.22
22	12.01	11.49	11.52	11.10	11.20	11.07	10.74	10.09	11.23	11.50	12.76	12.21
23	11.92	11.48	11.44	11.08	11.21	11.05	10.71	10.05	11.15	11.49	12.69	12.12
24	11.95	11.47	11.37	11.08	11.33	11.03	10.70	10.0	11.09	11.44	12.54	12.11
25	11.96	11.45	11.31	11.10	11.44	11.02	10.67	9.95	11.05	11.41	12.70	12.06
26	11.94	11.44	11.40	11.11	11.73	11.01	10.64	9.92	11.03	11.43	12.71	12.24
27	11.89	11.43	11.43	11.24	11.66	11.00	10.60	9.88	11.00	11.57	12.74	12.16
28	---	11.40	11.37	11.27	11.61	10.97	10.57	9.84	11.02	11.78	12.74	12.16
29	11.89	11.29	11.33	11.23	11.57	10.95	10.56	9.79	11.11	11.75	12.60	12.22
30	11.82	11.32	11.30	11.22	---	10.93	10.54	9.76	11.09	11.66	12.59	12.35
31	11.77	---	11.27	11.51	---	10.92	---	9.75	---	11.66	12.48	---
TOTAL	---	348.67	351.70	345.45	331.58	347.73	322.08	317.87	325.07	350.11	387.40	374.99
MEAN	---	11.62	11.35	11.14	11.43	11.22	10.74	10.25	10.84	11.29	12.50	12.50
MAX	---	12.01	11.57	11.51	11.73	11.63	10.88	10.57	11.44	11.78	12.86	13.22
MIN	---	11.29	11.23	11.03	11.20	10.92	10.54	9.75	9.73	10.97	11.72	12.06

261533080571600 L-28 INTERCEPTOR CANAL BELOW S-190 NEAR CLEWISTON, 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	1,440	3.8	1.5	5.7	143	70	48	7.5	-34	1.1	262	e667
2	1,290	1.3	9.7	11	125	113	32	-9.4	-39	67	472	e639
3	1,110	83	6.0	5.5	30	16	45	-5.5	-1.1	5.1	531	e520
4	907	16	-0.02	-3.9	89	91	53	30	-8.2	-16	520	e665
5	743	207	17	-15	55	14	37	40	-14	0.67	544	e1,030
6	639	9.9	20	15	12	-8.3	5.7	8.9	4.9	12	e825	e1,170
7	478	6.4	19	1.1	111	120	-16	-11	-4.6	45	e737	e1,130
8	462	123	19	6.8	3.7	46	-8.7	0.44	7.7	109	e605	e1,060
9	351	7.6	6.4	16	71	24	51	8.2	0.75	-26	e510	e979
10	273	80	7.6	6.3	48	9.7	25	3.3	-0.64	-1.0	e446	e912
11	382	-3.7	27	4.3	-20	18	-12	13	252	11	e774	e809
12	404	1.6	1.4	15	-6.5	-6.9	-0.44	12	1.8	-11	e699	e749
13	316	44	-17	9.7	108	-4.9	11	14	105	8.7	e746	e629
14	304	49	-2.3	24	-39	4.4	31	3.3	116	39	e1,070	e563
15	295	7.6	70	20	27	29	11	7.3	105	12	e1,030	e513
16	172	1.2	-0.10	11	100	-30	13	-5.7	161	1.1	e964	e452
17	221	3.2	80	1.9	20	46	-7.3	10	80	-21	e974	e387
18	187	14	23	-7.1	7.9	-4.7	-2.9	-6.8	50	82	e913	e344
19	166	65	73	23	4.4	10	-9.6	-7.1	121	113	e950	e358
20	124	11	17	21	-14	-2.0	16	-9.6	8.5	95	e818	e379
21	58	11	4.3	19	-13	25	-4.8	-2.6	114	120	e712	307
22	155	5.5	65	16	5.4	31	-13	-17	-17	130	e907	269
23	65	7.1	17	14	-15	4.1	-14	-14	-20	68	e813	267
24	68	-16	-2.2	13	58	-0.92	-13	8.3	-1.7	97	e698	267
25	115	1.1	27	-1.2	-1.1	-11	-4.5	18	-18	40	e874	260
26	133	10	67	-28	196	-5.2	-23	-2.5	-15	8.5	e826	e339
27	-6.0	-2.6	9.8	60	176	3.4	13	-1.4	-11	210	e896	208
28	e84	3.3	-4.8	9.8	95	16	17	9.4	20	321	e861	278
29	74	2.4	2.3	-3.0	61	17	4.0	-18	30	215	e698	332
30	8.0	12	-16	-3.0	---	3.5	5.2	-1.5	12	191	e711	386
31	13	---	2.1	113	---	42	---	-29	---	232	e592	---
TOTAL	11,031.0	764.7	549.68	380.9	1,437.8	679.18	288.66	52.54	1,005.41	2,159.17	22,978	16,868
MEAN	356	25.5	17.7	12.3	49.6	21.9	9.62	1.69	33.5	69.7	741	562
MAX	1,440	207	80	113	196	120	53	40	252	321	1,070	1,170
MIN	-6.0	-16	-17	-28	-39	-30	-23	-29	-39	-26	262	208
AC-FT	21,880	1,520	1,090	756	2,850	1,350	573	104	1,990	4,280	45,580	33,460

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2004, BY WATER YEAR (WY)

	MEAN	282	73.4	34.3	-1.31	14.6	9.75	-7.62	-9.94	39.3	70.2	234	281
MAX	536	302	164	80.6	108	105	9.62	7.24	139	144	741	562	
(WY)	(2001)	(1999)	(1998)	(1998)	(1998)	(1998)	(2004)	(1997)	(2003)	(2001)	(2004)	(2004)	
MIN	42.5	0.69	-49.7	-53.5	-39.2	-35.3	-29.3	-30.2	-18.9	-16.5	10.3	37.6	
(WY)	(1998)	(2001)	(1997)	(2000)	(1997)	(1997)	(1997)	(2000)	(2000)	(1998)	(2000)	(2000)	

SUMMARY STATISTICS

	FOR 2004 WATER YEAR		WATER YEARS 1997 - 2004	
ANNUAL TOTAL	58,195.04			
ANNUAL MEAN	159		90.5	
HIGHEST ANNUAL MEAN			159	2004
LOWEST ANNUAL MEAN			38.6	2000
HIGHEST DAILY MEAN	1,440	Oct 1	2,050	Oct 5, 2000
LOWEST DAILY MEAN	-39	Feb 14	-135	Jan 18, 2000
ANNUAL SEVEN-DAY MINIMUM	-19	May 29	-91	Jan 17, 2000
ANNUAL RUNOFF (AC-FT)	115,400		65,570	
10 PERCENT EXCEEDS	666		288	
50 PERCENT EXCEEDS	17		15	
90 PERCENT EXCEEDS	-9.6		-41	

e Estimated

The period of record statistics were computed from complete water year's of record. See the annual mean and annual runoff (ac-ft) summary statistics section of the manuscript.