02248380 HAULOVER CANAL NEAR MIMS, FL

East Florida Coastal Basin
Cape Canaveral Subbasin

LOCATION.--Lat 28°44′10″, long 80°45′18″ referenced to North American Datum of 1927, in SE ¼ sec.19, T.20 S., R.36 E., Brevard County, FL, 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.

SURFACE-WATER 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.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	-807	-2,010	-2,450	-117	-1,320	-428	829	-4,780	3,450	231	1,050	1,150
2	-110	-3,520	-2,020	1,870	3,660	614	415	-3,170	2,440	2,240	1,550	2,580
3	-2,360	-1,160	-308	163	2,060	-1,230	621	1,910	925	-597	1,910	1,020
4	-3,320	490	1,670	-3,320	3,990	-5,370	-2,020	178	1,100	175	649	1,450
5	1,790	670	3,200	-90	-1,980	-2,300	-490	276	648	1,940	950	2,750
6	2,260	-1,060	-4,460	-3,300	2,390	1,720	2,100	270	-2,970	3,580	588	1,820
7	2,550	-2,140	-959	-3,650	2,330	-4,540	4,690	1,300	1,260	322	129	-674
8	2,000	-2,050	1,130	-854	-3,640	-2,150	4,890	2,110	2,670	-3,620	859	-2,750
9	1,200	-577	197	-359	-1,010	5,010	-4,870	-2,840	2,170	-889	996	-2,830
10	-1,500	387	-2,470	911	-200	4,700	-4,170	2,280	2,420	1,030	608	-2,650
11	-2,490	-3,190	-469	323	3,440	2,390	-3,280	860	1,270	1,250	-750	-2,680
12	-2,560	1,020	-625	-891	-3,920	2,950	-1,500	-1,850	1,960	3,160	-546	-76
13	-5,170	1,310	-2,410	953	-1,750	2,690	-279	-382	6,140	3,230	-3,620	2,870
14	-6,500	65	-17	-2,070	-310	933	1,290	3,660	2,540	2,290	-4,030	55
15	-3,670	2,230	3,020	-4,520	117	-7,140	2,650	2,100	-841	1,520	-1,660	-2,290
16	-612	928	-4,270	803	-144	2,650	1,800	-1,490	-2,590	1,690	910	458
17	-1,370	-4,680	-940	2,800	188	1,050	916	-1,960	-2,410	453	945	391
18	-513	-5,850	-3,570	-2,010	1,100	-4,010	-2,140	874	1,400	-788	-580	2,780
19	336	-1,450	-9,310	-1,130	-4,220	-1,880	1,300	1,200	670	471	1,400	1,810
20	3,140	3,210	-6,160	1,420	-1,720	3,560	-1,690	1,800	-429	1,900	1,850	-1,440
21	3,410	4,520	-4,160	2,020	999	3,520	1,840	2,460	382	1,330	1,060	-163
22	1,830	-1,190	-5,550	1,740	1,990	-4,360	3,120	709	-1,180	1,620	1,510	1,210
23	578	-1,080	-4,250	3,490	373	468	525	398	-1,990	1,590	999	1,760
24	-10,000	4,360	1,670	35	-4,290	-3,650	1,010	0.23	-1,980	720	530	2,190
25	-3,130	1,130	3,400	-3,950	4,300	-4,080	1,220	789	512	-278	-151	2,540
26	125	-374	-1,220	-4,560	-4,590	-3,890	1,430	2,030	2,000	204	117	848
27	2,330	1,860	284	-1,730	-6,320	-3,200	-2,180	1,400	1,140	697	745	44
28	-4,040	2,100	2,620	2,550	558	2,160	-5,930	-768	1,110	994	2,720	-424
29	-6,040	2,010	1,130	2,790	---	895	-3,730	-3,860	-206	2,240	1,880	-690
30	-2,020	-2,330	-523	2,000	---	39	-4,390	-2,360	-927	843	-17	617
31	2,400	---	883	-3,350	---	592	---	-1,100	---	1,050	3,800	---
Total	-32,263	-6,371	-36,937	-12,033	-7,919	-12,287	-6,023	2,044.23	20,684	30,598	16,401	11,676
Mean	-1,041	-212	-1,192	-388	-283	-396	-201	65.9	689	987	529	389
Max	3,410	4,520	3,400	3,490	4,300	5,010	4,890	3,660	6,140	3,580	3,800	2,870
Min	-10,000	-5,850	-9,310	-4,560	-6,320	-7,140	-5,930	-4,780	-2,970	-3,620	-4,030	-2,830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	-687	-562	-802	-646	-589	-167	213	343	849	781	268	248
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	-1,192	-1,575	-1,643	-758	-423	-616	-1,352	147	-576	-1,646
(WY)	(2001)	(2000)	(2006)	(2005)	(2004)	(2003)	(2005)	(1998)	(1996)	(1998)	(1998)	(2003)

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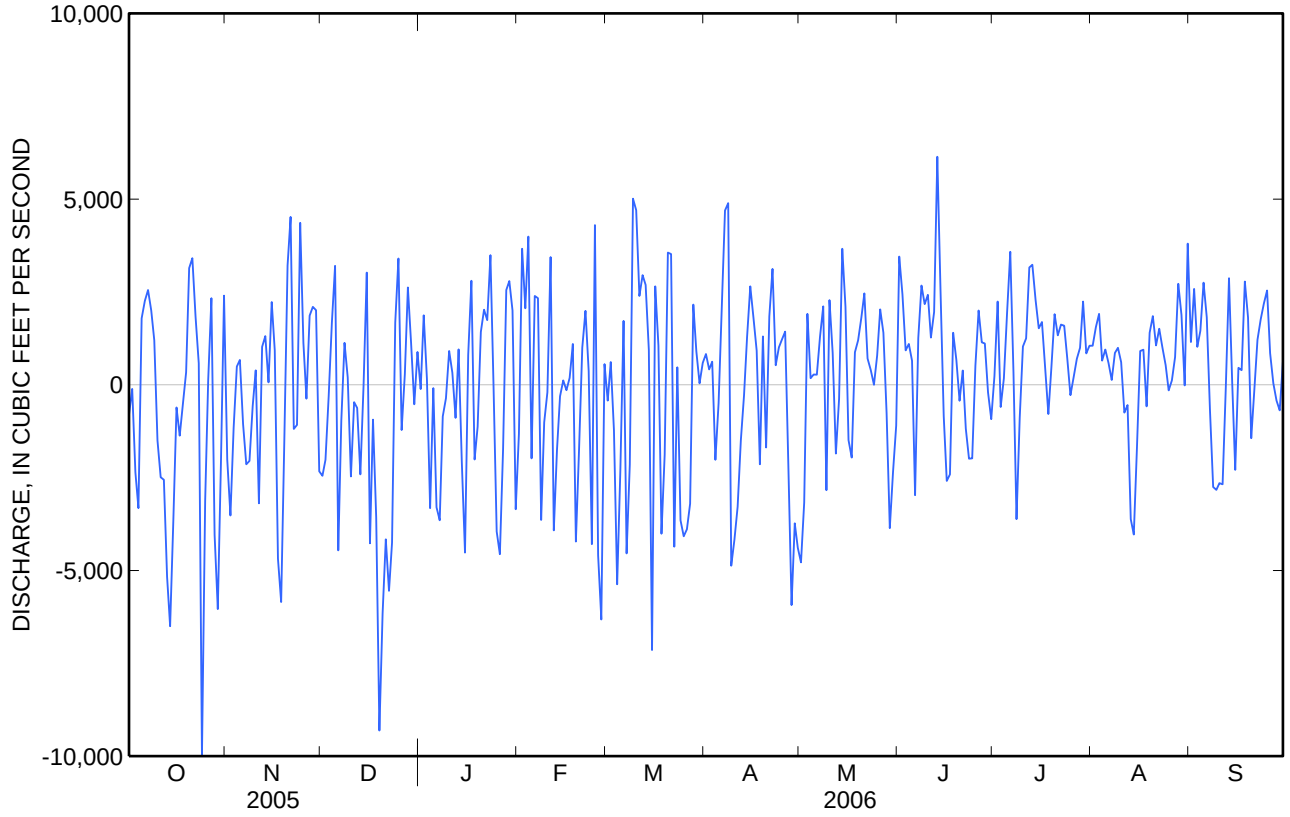
SUMMARY STATISTICS

	Calendar Year 2005		Water Year 2006		Water Years 1996 - 2006	
Annual total	-119,777		-32,429.77			
Annual mean	-328		-88.8		-50.8	
Highest annual mean					271	2002
Lowest annual mean					-247	1997
Highest daily mean	7,170	Jun 11	6,140	Jun 13	12,000	Sep 6, 2004
Lowest daily mean	-10,700	Jan 16, Sep 8	-10,000	Oct 24	[a]-10,700	
Annual seven-day minimum	-6,610	Sep 6	-4,850	Dec 16	-6,610	Sep 6, 2005
Maximum peak stage			2.19	Oct 7	2.32	Oct 17, 1999
10 percent exceeds	2,870		2,660		2,600	
50 percent exceeds	240		398		222	
90 percent exceeds	-4,450		-3,780		-3,190	

[a] Jan 16, 2005, Sep 8, 2005
Note.--Negative figures indicate reverse flow



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 µS/cm @ 25 °C, June 9, 2001; minimum daily mean, 27,800 µS/cm @ 25 °C, Oct. 27, 2005.
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, 57,000 µS/cm @ 25 °C, May 31; minimum daily mean, 27,800 µS/cm @ 25 °C, Oct. 27.
WATER TEMPERATURE (TOP): Maximum daily mean, 31.5 °C, Aug. 7, 8; minimum daily mean, 11.6 °C, Feb. 14.

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SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	43,300	34,100	33,700	38,300	42,300	45,000	49,000	56,200	55,000	52,500	46,000	---
2	44,300	34,900	34,300	37,100	41,400	44,100	49,100	56,600	52,500	51,000	46,000	---
3	45,000	35,800	34,500	37,400	40,400	44,400	48,800	56,100	52,200	51,000	46,300	---
4	45,700	35,200	32,600	39,600	37,800	46,100	48,900	55,500	53,200	51,600	46,100	---
5	43,400	33,900	32,600	38,900	39,900	46,800	49,700	55,100	52,800	51,100	46,500	---
6	41,600	34,000	33,200	39,500	38,200	44,100	49,900	53,700	---	50,300	46,200	---
7	41,100	34,400	34,400	41,100	37,500	45,300	48,300	54,500	54,400	49,800	46,600	40,800
8	40,500	35,000	33,900	41,200	39,300	47,300	46,700	53,700	53,200	50,300	47,500	41,500
9	39,300	35,600	32,600	40,300	39,200	46,000	46,400	54,600	52,400	51,500	46,500	42,700
10	40,300	34,300	34,200	40,600	40,500	44,100	48,600	54,600	52,100	51,300	46,800	43,700
11	41,500	35,600	33,800	40,000	38,500	43,500	50,500	53,600	52,300	50,500	48,400	---
12	40,900	36,400	32,800	41,200	39,700	42,400	51,400	55,200	51,300	49,400	49,200	---
13	40,100	34,500	32,600	40,500	40,300	42,100	51,000	55,600	50,000	47,900	49,800	---
14	40,100	34,700	34,100	39,600	40,800	42,000	49,800	54,400	49,200	46,900	50,800	---
15	41,200	33,000	32,300	40,900	39,800	44,400	49,200	53,200	51,800	47,800	51,300	---
16	41,500	32,800	33,900	40,300	40,800	44,700	48,800	53,600	51,800	48,200	51,300	---
17	40,900	34,000	35,700	39,200	40,400	43,400	49,100	54,500	52,800	48,300	51,100	44,200
18	40,900	35,700	36,600	40,200	39,800	44,900	49,500	54,300	52,100	49,900	51,500	43,100
19	40,300	36,000	38,400	41,900	41,300	46,900	50,000	53,600	50,900	49,900	50,800	41,700
20	37,500	34,800	37,700	41,000	42,300	45,900	50,100	53,100	51,400	48,800	49,600	43,600
21	35,800	33,200	39,100	39,300	41,700	43,900	50,700	52,100	51,800	48,000	48,400	44,200
22	35,800	34,000	40,500	39,500	40,600	45,300	48,400	52,200	52,500	47,500	48,300	42,900
23	36,200	32,900	41,300	37,800	40,100	46,400	48,500	52,800	53,900	46,600	48,200	42,000
24	36,000	31,600	40,300	38,500	41,900	47,000	48,500	53,900	54,600	46,700	47,500	41,100
25	35,100	32,400	37,400	40,300	41,200	48,500	47,900	53,300	54,600	47,600	47,400	40,900
26	31,300	32,900	36,600	42,500	41,700	50,100	47,400	52,500	52,700	47,300	47,000	40,600
27	27,800	32,800	35,600	43,300	43,700	51,100	49,000	51,900	51,200	47,100	51,200	40,800
28	31,900	32,300	35,300	42,300	44,600	50,000	---	52,600	51,200	46,800	---	41,200
29	35,700	31,500	36,800	40,600	---	48,600	---	54,500	51,600	46,200	---	42,900
30	36,100	32,400	37,300	40,100	---	49,500	---	56,000	52,300	46,200	43,400	42,400
31	34,800	---	37,100	42,100	---	49,400	---	57,000	---	45,700	40,900	---
Mean	38,900	34,000	35,500	40,200	40,600	45,900	---	54,200	---	48,800	---	---
Max	45,700	36,400	41,300	43,300	44,600	51,100	---	57,000	---	52,500	---	---
Min	27,800	31,500	32,300	37,100	37,500	42,000	---	51,900	---	45,700	---	---

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TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	28.9	20.3	18.6	17.3	17.4	18.3	23.2	21.9	28.7	30.6	30.0	---
2	28.4	21.3	17.1	19.0	18.5	19.5	24.0	22.1	28.3	29.8	30.3	---
3	28.1	21.6	16.5	19.7	19.0	20.7	24.8	23.7	28.4	29.9	30.5	---
4	26.8	22.3	17.2	18.7	18.3	20.3	24.3	24.7	28.8	30.4	30.6	---
5	26.2	23.2	18.6	18.6	16.2	18.4	23.8	25.7	28.1	30.3	30.7	---
6	26.5	23.9	18.7	17.1	15.1	19.2	23.5	26.2	---	30.0	31.1	---
7	26.8	24.1	17.5	14.5	15.7	18.9	24.0	26.7	28.2	28.8	31.5	28.0
8	27.3	24.3	17.7	13.7	15.4	17.4	24.4	27.2	27.8	28.9	31.5	29.3
9	28.0	24.4	18.5	14.2	14.7	18.2	23.6	27.3	28.6	29.1	30.9	29.8
10	28.7	24.2	18.4	16.0	14.5	19.3	21.9	27.2	29.0	29.2	30.7	30.1
11	28.8	23.2	17.7	17.1	15.4	20.6	21.2	26.7	29.2	29.0	31.0	---
12	28.1	22.1	15.8	18.5	14.3	21.7	21.3	26.0	27.9	28.9	31.2	---
13	27.2	22.4	14.9	19.2	11.8	22.4	21.4	25.5	26.8	28.8	30.8	---
14	26.3	22.8	14.5	17.1	11.6	23.1	22.0	25.8	27.1	29.3	30.2	---
15	25.8	23.1	15.6	13.3	12.9	20.8	23.2	26.5	28.7	29.9	30.5	---
16	25.5	23.5	16.4	13.4	15.0	20.3	24.5	25.4	29.7	30.3	30.6	---
17	25.7	22.9	16.8	15.4	16.6	21.0	24.6	24.6	29.4	30.3	30.3	28.7
18	26.1	21.2	17.4	16.0	18.4	21.4	24.5	24.5	27.9	30.0	30.0	29.2
19	26.4	20.9	16.9	14.8	18.4	20.9	25.9	24.5	28.0	30.9	29.3	28.8
20	26.7	21.6	16.3	16.2	17.8	22.2	26.5	26.1	29.5	30.7	29.3	28.4
21	27.0	22.2	15.5	17.8	19.4	22.9	27.0	26.7	30.4	29.8	29.5	28.4
22	26.9	19.0	14.1	19.2	20.8	22.6	26.9	27.0	30.7	30.0	29.6	28.2
23	27.2	16.1	13.9	19.9	21.9	21.7	27.0	27.0	30.7	29.7	29.7	28.4
24	24.7	15.8	14.8	20.8	20.5	21.4	27.7	27.0	30.0	29.4	29.1	28.8
25	20.3	17.3	15.7	19.6	19.7	19.0	27.9	27.5	30.2	30.0	28.3	29.0
26	17.7	18.7	15.1	16.8	18.9	17.7	27.2	27.5	29.4	30.6	28.1	28.8
27	17.8	19.8	14.0	16.2	16.4	17.0	27.3	28.1	28.4	30.7	28.5	28.4
28	19.0	20.5	14.1	16.9	17.3	18.2	---	29.0	28.8	30.7	---	27.4
29	19.0	20.9	14.9	18.0	---	19.6	---	29.4	29.4	30.6	---	27.3
30	18.6	20.6	15.2	18.6	---	21.3	---	29.2	30.0	30.3	29.4	27.7
31	19.3	---	15.9	18.0	---	22.5	---	28.8	---	29.7	28.2	---
Mean	25.2	21.5	16.3	17.1	16.9	20.3	---	26.3	---	29.9	---	---
Max	28.9	24.4	18.7	20.8	21.9	23.1	---	29.4	---	30.9	---	---
Min	17.7	15.8	13.9	13.3	11.6	17.0	---	21.9	---	28.8	---	---