Water-Data Report 2012

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL.

Tampa Bay Basin
Hillsborough Subbasin

LOCATION.--Lat 28°09′00″, long 82°13′55″ referenced to North American Datum of 1927, in SW ¼ sec.8, T.27 S., R.21 E., Hillsborough County, FL, Hydrologic Unit 03100205, on left bank 20 ft upstream from footbridge in Hillsborough River State Park, 1.2 mi downstream from Blackwater Creek, 6.5 mi southwest of Zephyrhills, and 40 mi upstream from mouth.

DRAINAGE AREA.--220 mi^2.

SURFACE-WATER RECORDS

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

REVISED RECORDS.--WSP 1234: Drainage area. WRD FL-93-3A: 1992 (M)(m).

GAGE.--Water-stage recorder. Datum of gage is 33.28 ft above National Geodetic Vertical Datum of 1929 (U.S. Army Corps of Engineers bench mark) and 32.448 ft above North American Vertical Datum of 1988. Prior to Mar. 22, 1963, nonrecording gage at site 40 ft downstream at same datum; Mar. 22, 1963 to Aug. 1, 1995, at site 40 ft downstream at same datum.

COOPERATION.--This gage is monitored in cooperation with Southwest Florida Water Management District.

REMARKS.--Records good.

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL.—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	147	149	80	69	64	71	54	47	54	549	225	1,140
2	127	150	79	68	63	69	54	46	56	492	237	945
3	112	139	79	66	62	68	53	46	60	434	214	773
4	101	130	78	66	61	69	53	46	60	389	265	652
5	93	123	77	66	61	68	53	46	57	407	247	556
6	88	115	76	66	60	66	52	46	60	421	248	494
7	86	111	76	66	61	65	52	45	74	383	337	599
8	89	107	75	66	61	65	51	45	121	325	307	501
9	531	107	75	65	61	65	51	47	116	287	302	482
10	1,230	105	75	64	61	64	50	46	108	247	317	602
11	826	100	75	65	62	64	49	45	97	242	319	643
12	710	94	75	66	59	63	49	44	95	302	374	583
13	582	92	75	66	59	63	49	44	82	606	521	516
14	459	90	74	65	60	62	48	44	73	413	427	454
15	383	89	74	65	60	61	48	44	99	359	378	413
16	328	87	74	65	60	60	48	44	89	351	398	385
17	288	90	74	66	60	60	48	48	81	1,070	383	380
18	264	92	74	66	61	59	48	45	71	1,650	429	403
19	253	91	73	69	61	58	47	44	66	1,320	462	556
20	246	89	72	67	62	57	48	43	64	1,000	410	672
21	222	87	72	67	61	57	49	42	67	747	550	595
22	198	86	71	67	60	56	53	41	67	595	1,110	529
23	177	85	71	66	60	56	50	40	71	523	1,180	453
24	163	85	71	67	59	56	49	40	202	550	911	395
25	151	84	71	68	58	56	49	40	991	528	708	347
26	142	83	70	66	59	55	50	39	1,210	437	609	320
27	135	82	70	67	66	54	50	39	961	348	937	318
28	130	81	69	67	86	54	49	42	846	348	1,640	316
29	129	82	69	66	73	54	48	47	735	300	1,640	295
30	127	81	69	64	---	54	47	47	622	255	1,440	279
31	130	---	69	63	---	54	---	44	---	231	1,230	---
Total	8,647	2,986	2,282	2,050	1,801	1,883	1,499	1,366	7,355	16,109	18,755	15,596
Mean	279	99.5	73.6	66.1	62.1	60.7	50.0	44.1	245	520	605	520
Max	1,230	150	80	69	86	71	54	48	1,210	1,650	1,640	1,140
Min	86	81	69	63	58	54	47	39	54	231	214	279
Med	163	91	74	66	61	60	49	44	82	413	410	498
Cfsm	1.27	0.45	0.33	0.30	0.28	0.28	0.23	0.20	1.11	2.36	2.75	2.36
In.	1.46	0.50	0.39	0.35	0.30	0.32	0.25	0.23	1.24	2.72	3.17	2.64

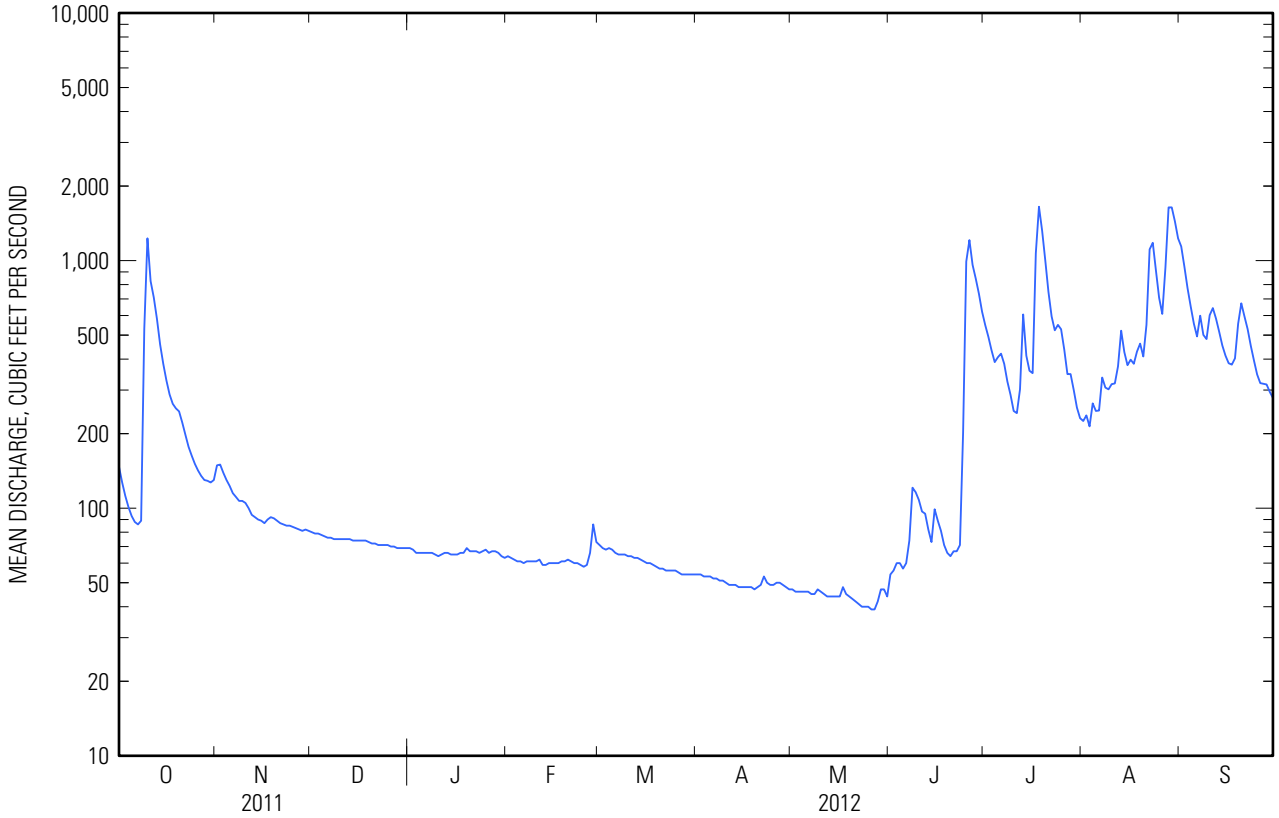
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	250	130	164	172	177	256	167	97.6	174	297	422	521
Max	944	512	2,234	892	1,247	2,093	942	333	849	1,959	1,468	2,280
(WY)	(1960)	(1998)	(1998)	(2003)	(1998)	(1960)	(1941)	(1957)	(1959)	(1945)	(1945)	(1960)
Min	57.4	42.1	40.4	39.6	37.3	45.8	43.7	30.5	33.0	57.5	83.0	90.2
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2009)	(2000)	(2001)	(2000)	(2000)	(1956)	(2008)

02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL.—Continued

SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 1940 - 2012	
Annual total	54,006		80,329			
Annual mean	148		219		236	
Highest annual mean					745	1960
Lowest annual mean					64.9	2000
Highest daily mean	1,230	Oct 10	1,650	Jul 18	12,300	Mar 18, 1960
Lowest daily mean	63	Jan 4	39	May 26	27	Jun 5, 2000
Annual seven-day minimum	66	Jan 1	40	May 21	28	Jun 4, 2000
Maximum peak flow			1,750	Jul 18	12,600	Mar 18, 1960
Maximum peak stage			8.77	Jul 18	15.33	Mar 18, 1960
Annual runoff (cfsm)	0.673		0.998		1.07	
Annual runoff (inches)	9.13		13.58		14.57	
10 percent exceeds	247		582		500	
50 percent exceeds	95		74		112	
90 percent exceeds	71		48		64	



02303000 HILLSBOROUGH RIVER NEAR ZEPHYRHILLS, FL.—Continued

GAGE HEIGHT, FEET
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.65	1.56	1.04	0.93	0.88	0.88	0.73	0.65	0.72	3.95	2.08	6.64
2	1.49	1.57	1.03	0.92	0.88	0.87	0.72	0.64	0.75	3.65	2.17	5.81
3	1.37	1.49	1.02	0.90	0.86	0.86	0.71	0.64	0.78	3.34	2.01	5.04
4	1.28	1.42	1.01	0.90	0.86	0.87	0.71	0.64	0.78	3.09	2.35	4.46
5	1.21	1.37	1.00	0.90	0.85	0.86	0.71	0.64	0.75	3.19	2.23	3.98
6	1.17	1.31	0.99	0.90	0.84	0.84	0.70	0.64	0.79	3.27	2.24	3.67
7	1.15	1.27	0.99	0.90	0.85	0.83	0.70	0.63	0.91	3.05	2.80	4.20
8	1.18	1.25	0.99	0.90	0.85	0.83	0.69	0.63	1.32	2.72	2.61	3.70
9	3.59	1.25	0.99	0.89	0.85	0.83	0.69	0.64	1.28	2.49	2.58	3.60
10	7.00	1.23	0.99	0.88	0.85	0.83	0.68	0.64	1.22	2.23	2.67	4.22
11	5.28	1.19	0.99	0.89	0.86	0.82	0.67	0.63	1.13	2.20	2.69	4.42
12	4.74	1.15	0.99	0.90	0.83	0.81	0.67	0.61	1.11	2.58	3.00	4.12
13	4.10	1.13	0.99	0.90	0.83	0.81	0.66	0.61	0.99	4.22	3.80	3.78
14	3.46	1.12	0.98	0.90	0.84	0.80	0.66	0.61	0.91	3.22	3.30	3.45
15	3.04	1.11	0.98	0.89	0.84	0.79	0.66	0.61	1.14	2.92	3.03	3.22
16	2.72	1.10	0.98	0.89	0.84	0.79	0.66	0.62	1.05	2.87	3.14	3.07
17	2.48	1.12	0.98	0.90	0.84	0.78	0.66	0.66	0.98	6.19	3.05	3.04
18	2.33	1.14	0.98	0.90	0.85	0.77	0.66	0.63	0.89	8.48	3.30	3.17
19	2.26	1.13	0.97	0.92	0.85	0.76	0.65	0.62	0.84	7.35	3.50	3.98
20	2.21	1.12	0.96	0.91	0.86	0.75	0.65	0.60	0.82	6.06	3.21	4.56
21	2.06	1.10	0.96	0.91	0.85	0.75	0.66	0.59	0.85	4.91	3.95	4.18
22	1.89	1.09	0.95	0.91	0.84	0.74	0.71	0.58	0.85	4.18	6.50	3.85
23	1.75	1.08	0.95	0.90	0.85	0.74	0.68	0.57	0.89	3.82	6.81	3.45
24	1.65	1.08	0.95	0.91	0.84	0.74	0.67	0.57	1.79	3.95	5.66	3.13
25	1.56	1.07	0.95	0.92	0.82	0.74	0.67	0.57	6.00	3.84	4.73	2.85
26	1.49	1.06	0.94	0.90	0.83	0.73	0.68	0.56	6.93	3.36	4.25	2.69
27	1.44	1.05	0.94	0.91	0.89	0.72	0.67	0.56	5.89	2.86	5.72	2.68
28	1.41	1.04	0.93	0.91	1.03	0.72	0.67	0.60	5.37	2.86	8.44	2.67
29	1.40	1.05	0.93	0.90	0.91	0.72	0.66	0.64	4.86	2.57	8.46	2.54
30	1.38	1.04	0.93	0.88	---	0.72	0.65	0.64	4.32	2.29	7.78	2.44
31	1.41	---	0.93	0.87	---	0.72	---	0.62	---	2.13	7.00	---
Mean	2.30	1.19	0.97	0.90	0.86	0.79	0.68	0.62	1.90	3.67	4.03	3.75
Max	7.00	1.57	1.04	0.93	1.03	0.88	0.73	0.66	6.93	8.48	8.46	6.64
Min	1.15	1.04	0.93	0.87	0.82	0.72	0.65	0.56	0.72	2.13	2.01	2.44