

Water-Data Report 2010

01410784 GREAT EGG HARBOR RIVER NEAR SICKLERVILLE, NJ

GREAT EGG HARBOR RIVER BASIN

LOCATION.--Lat 39°44'01", long 74°57'04" referenced to North American Datum of 1983, Winslow Township, Camden County, NJ, Hydrologic Unit 02040302, on left upstream wingwall of bridge on Williamstown-New Freedom Road (County Route 536 Spur), 1.5 mi northeast of Sicklerville, and 3.2 mi upstream from Fourmile Branch.

DRAINAGE AREA.--15.1 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1971-81. Miscellaneous measurements, water years 1985-87, 1989-96, 2001, 2003-07. Continuous-record gaging station, March 1996-September 1998 (at different datum), May 2010 to current year.

GAGE.--Water-stage recorder. Datum of gage is 120 ft above NGVD of 1929 (from topographic map). Prior to Oct 1, 1998, gage located on downstream right wingwall of bridge at slightly different datum.

REMARKS.--Records fair. Several measurements of water temperature were made during the year. Satellite telemetry at station.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	---	9.8	9.7	3.9	3.3
2	---	---	---	---	---	---	---	---	11	7.4	3.5	3.1
3	---	---	---	---	---	---	---	---	9.3	6.0	3.4	2.9
4	---	---	---	---	---	---	---	---	8.3	5.1	3.2	2.9
5	---	---	---	---	---	---	---	---	7.6	4.4	3.1	2.7
6	---	---	---	---	---	---	---	---	7.1	4.0	2.9	2.6
7	---	---	---	---	---	---	---	---	6.4	3.6	2.7	2.4
8	---	---	---	---	---	---	---	---	5.8	3.5	2.6	2.3
9	---	---	---	---	---	---	---	---	6.2	3.6	2.4	2.2
10	---	---	---	---	---	---	---	---	8.7	4.0	2.3	2.2
11	---	---	---	---	---	---	---	---	7.8	5.3	2.3	2.2
12	---	---	---	---	---	---	---	---	6.8	4.5	2.4	2.5
13	---	---	---	---	---	---	---	---	9.6	18	2.6	2.9
14	---	---	---	---	---	---	---	---	26	67	2.4	2.7
15	---	---	---	---	---	---	---	---	20	72	2.3	2.5
16	---	---	---	---	---	---	---	---	12	38	2.6	3.1
17	---	---	---	---	---	---	---	---	9.6	21	2.3	6.3
18	---	---	---	---	---	---	---	---	7.8	15	2.7	6.1
19	---	---	---	---	---	---	---	---	6.7	11	3.7	4.2
20	---	---	---	---	---	---	---	51	6.1	9.3	3.1	3.5
21	---	---	---	---	---	---	---	31	5.3	9.4	2.6	3.1
22	---	---	---	---	---	---	---	22	4.8	8.0	5.8	3.0
23	---	---	---	---	---	---	---	19	4.6	6.6	29	4.7
24	---	---	---	---	---	---	---	20	7.2	5.7	27	3.8
25	---	---	---	---	---	---	---	19	28	5.4	14	3.3
26	---	---	---	---	---	---	---	16	23	6.4	8.7	3.0
27	---	---	---	---	---	---	---	14	13	5.1	6.5	5.1
28	---	---	---	---	---	---	---	13	12	4.3	5.4	10
29	---	---	---	---	---	---	---	13	21	4.2	4.7	7.0
30	---	---	---	---	---	---	---	12	15	7.0	4.1	9.0
31	---	---	---	---	---	---	---	10	---	5.0	3.7	---
Total	---	---	---	---	---	---	---	---	326.5	379.5	167.9	114.6
Mean	---	---	---	---	---	---	---	---	10.9	12.2	5.42	3.82
Max	---	---	---	---	---	---	---	---	28	72	29	10
Min	---	---	---	---	---	---	---	---	4.6	3.5	2.3	2.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	14.4	11.8	20.7	25.6	24.4	28.6	22.6	20.9	12.2	13.6	9.74	6.03
Max	23.5	15.3	44.6	29.7	29.7	32.0	29.4	26.3	17.3	33.6	18.7	12.2
(WY)	(1997)	(1998)	(1997)	(1997)	(1997)	(1998)	(1997)	(1998)	(1996)	(1996)	(1996)	(1996)
Min	5.28	5.54	4.82	22.4	17.5	25.6	14.8	17.0	7.41	3.85	1.98	2.76
(WY)	(1998)	(1999)	(1999)	(1998)	(1999)	(1999)	(1999)	(1997)	(1997)	(1998)	(1998)	(1998)

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SUMMARY STATISTICS

	May 20 - Sept 30, 2010		Water Years 1996 - 2010	
Annual mean			17.8	
Highest annual mean			20.6	1997
Lowest annual mean			15.0	1998
Highest daily mean	72	Jul 15	99	Dec 15, 1996
Lowest daily mean	2.2	Many days	0.53	Sep 1, 1998
Annual seven-day minimum			0.80	Aug 27, 1998
Maximum peak flow	84	Jul 14	106	Dec 15, 1996
Maximum peak stage	4.74	Jul 14	^a 5.34	Dec 15, 1996
Instantaneous low flow	2.0	Many days	0.39	Sep 1, 1998
10 percent exceeds			38	
50 percent exceeds			14	
90 percent exceeds			2.9	

^a from datum then in use.

