



Water-Data Report 2010

**01410820 GREAT EGG HARBOR RIVER NEAR BLUE ANCHOR, NJ**

GREAT EGG HARBOR RIVER BASIN

LOCATION.--Lat 39°40'09", long 74°54'48" referenced to North American Datum of 1983, Winslow Township, Camden County, NJ, Hydrologic Unit 02040302, on upstream right wingwall of bridge on Winslow Road (County Route 723, West Fleming Pike), 1.9 mi southwest of Blue Anchor, and 2.1 mi downstream from Fourmile Branch.

DRAINAGE AREA.--37.3 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Operated as a continuous-record gaging station, water years 1973-79, May 2010 to current year. Miscellaneous measurements, water years 1985-90, 2005-10.

GAGE.--Water-stage recorder. Datum of present gage is not yet determined. Prior to 1980, datum of gage at 88.85 ft above NGVD of 1929 on downstream side of bridge.

REMARKS.--Records good. Continuous gage was installed on May 15, 2010 and temporarily removed on August 30, 2010 due to bridge construction. Satellite telemetry at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 19	1530	*151	*4.38

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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	---	---	---	---	---	---	---	---	37	33	22	---
2	---	---	---	---	---	---	---	---	38	29	21	---
3	---	---	---	---	---	---	---	---	37	27	20	---
4	---	---	---	---	---	---	---	---	34	25	20	---
5	---	---	---	---	---	---	---	---	33	24	20	---
6	---	---	---	---	---	---	---	---	32	23	19	---
7	---	---	---	---	---	---	---	---	30	22	19	---
8	---	---	---	---	---	---	---	---	29	22	18	---
9	---	---	---	---	---	---	---	---	29	22	18	---
10	---	---	---	---	---	---	---	---	32	23	18	---
11	---	---	---	---	---	---	---	---	32	25	18	---
12	---	---	---	---	---	---	---	---	30	23	18	---
13	---	---	---	---	---	---	---	---	33	30	18	---
14	---	---	---	---	---	---	---	---	77	68	18	---
15	---	---	---	---	---	---	---	75	70	110	18	---
16	---	---	---	---	---	---	---	75	47	105	18	---
17	---	---	---	---	---	---	---	60	38	72	18	---
18	---	---	---	---	---	---	---	93	34	43	19	---
19	---	---	---	---	---	---	---	148	31	35	20	---
20	---	---	---	---	---	---	---	141	30	32	19	---
21	---	---	---	---	---	---	---	109	28	31	18	---
22	---	---	---	---	---	---	---	76	26	29	21	---
23	---	---	---	---	---	---	---	60	26	27	32	---
24	---	---	---	---	---	---	---	57	26	25	36	---
25	---	---	---	---	---	---	---	55	35	24	35	---
26	---	---	---	---	---	---	---	50	39	26	28	---
27	---	---	---	---	---	---	---	46	35	24	24	---
28	---	---	---	---	---	---	---	44	32	23	22	---
29	---	---	---	---	---	---	---	44	49	22	21	---
30	---	---	---	---	---	---	---	43	40	22	---	---
31	---	---	---	---	---	---	---	39	---	23	---	---
<b>Total</b>	---	---	---	---	---	---	---	---	1,089	1,069	---	---
<b>Mean</b>	---	---	---	---	---	---	---	---	36.3	34.5	---	---
<b>Max</b>	---	---	---	---	---	---	---	---	77	110	---	---
<b>Min</b>	---	---	---	---	---	---	---	---	26	22	---	---

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2010, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	47.5	69.0	86.3	97.1	81.1	84.4	76.3	67.4	46.5	48.5	42.3	43.7
<b>Max</b>	86.6	166	149	136	138	120	119	90.0	78.5	107	70.1	103
<b>(WY)</b>	(1976)	(1973)	(1973)	(1979)	(1973)	(1979)	(1973)	(1979)	(1979)	(1975)	(1975)	(1975)
<b>Min</b>	28.7	35.1	44.8	46.7	49.9	62.8	53.9	29.2	21.2	16.4	17.8	20.7
<b>(WY)</b>	(1979)	(1975)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1976)

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**SUMMARY STATISTICS**

	<b>May 15 to August 30, 2010</b>		<b>Water Years 1972 - 2010</b>	
<b>Annual mean</b>			66.1	
<b>Highest annual mean</b>			89.0	1973
<b>Lowest annual mean</b>			38.9	1977
<b>Highest daily mean</b>	148	Mar 19	535	Jul 16, 1975
<b>Lowest daily mean</b>	18	Many days	12	Jul 23, 1977
<b>Annual seven-day minimum</b>			13	Jul 19, 1977
<b>Maximum peak flow</b>	151	May 19	754	Jul 15, 1975
<b>Maximum peak stage</b>	4.38	May 19	<sup>a</sup> 6.79	Jul 15, 1975
<b>Instantaneous low flow</b>	17	Many days	11	Jul 24, 1977
<b>10 percent exceeds</b>			112	
<b>50 percent exceeds</b>			54	
<b>90 percent exceeds</b>			27	

<sup>a</sup> Site and datum then in use.

