



Water-Data Report 2010

01410500 ABSECON CREEK AT ABSECON, NJ

ABSECON CREEK BASIN

LOCATION.--Lat 39°25'49", long 74°31'14" referenced to North American Datum of 1983, Absecon City, Atlantic County, NJ, Hydrologic Unit 02040302, on right bank 20 feet below dam on Doughty Pond, 100 feet upstream of Mill Road, 0.65 mi west of Absecon, and 3.4 mi upstream of mouth.

DRAINAGE AREA.--17.9 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Continuous-record gaging station, water years 1923-29, 1933-38, 1946-84, and March 2008 to current year. Annual maximum tide only at upstream side of bridge, 100 ft downstream of current location, water years 1985 to 2007.

GAGE.--Water-stage recorders and crest-stage gages above and below weir. Datum of gage is 0.00 ft above NGVD of 1929.

REMARKS.--Records poor. Flow regulated by Atlantic City Reservoirs: Doughty Pond immediately upstream of gage (capacity 245,000,000 gal) for period of record, and since 1936, Kuehnle Reservoir 1.5 mi upstream of gage (capacity 250,000,000 gal). Diversion from Doughty Pond for municipal supply of Atlantic City. Several measurements of water temperature were made during the year. Satellite telemetry at station.

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01410500 ABSECON CREEK AT ABSECON, NJ—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	20	41	21	64	42	58	99	52	26	11	3.4	1.8
2	18	38	18	62	41	57	90	51	27	9.7	2.9	1.8
3	62	38	51	37	43	62	85	48	27	12	2.6	1.8
4	33	36	40	38	42	58	82	38	26	10	2.3	1.7
5	24	37	38	66	41	55	79	35	25	11	3.1	1.2
6	22	34	35	58	54	55	64	35	24	10	5.7	1.3
7	22	33	34	57	44	54	46	32	22	9.4	6.3	1.2
8	13	34	37	57	40	53	49	35	21	11	7.7	1.2
9	10	33	110	55	40	52	58	30	21	9.4	7.9	1.2
10	14	25	84	53	55	51	52	30	26	12	7.3	1.1
11	8	18	66	50	63	52	50	28	25	14	5.0	1.1
12	9	e22	62	43	48	55	49	30	24	11	4.2	0.93
13	12	e30	72	36	43	e122	52	26	26	9.4	4.3	0.85
14	14	32	73	31	37	120	56	25	27	15	2.5	0.66
15	31	23	64	30	41	99	56	30	25	22	2.4	0.48
16	35	21	64	31	46	77	54	25	25	14	2.2	0.32
17	39	25	59	44	42	68	56	24	25	12	2.3	0.31
18	45	28	56	58	36	66	52	67	13	11	2.3	0.31
19	36	31	57	40	35	64	53	56	14	9.5	2.1	0.29
20	33	36	70	39	37	61	56	53	16	9.8	2.2	0.40
21	30	36	64	40	36	60	70	53	14	8.6	2.2	0.33
22	30	36	53	43	37	63	64	60	13	11	2.2	0.33
23	28	37	38	43	77	78	49	60	14	6.0	2.3	0.33
24	27	36	39	42	97	66	46	57	17	8.4	2.2	0.33
25	41	36	43	56	71	61	55	54	19	13	2.2	0.42
26	26	37	116	62	64	68	63	55	20	14	2.3	0.44
27	31	38	125	48	62	61	61	48	16	4.5	2.4	0.50
28	68	32	63	46	62	60	55	29	15	4.0	2.3	0.46
29	52	32	59	41	---	149	53	28	14	4.8	2.3	0.49
30	37	31	60	44	---	150	53	27	11	5.9	2.1	8.6
31	38	---	64	43	---	121	---	25	---	3.7	2.0	---
Total	908	966	1,835	1,457	1,376	2,276	1,807	1,246	618	317.1	103.2	32.18
Mean	29.3	32.2	59.2	47.0	49.1	73.4	60.2	40.2	20.6	10.2	3.33	1.07
Max	68	41	125	66	97	150	99	67	27	22	7.9	8.6
Min	8.0	18	18	30	35	51	46	24	11	3.7	2.0	0.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1946 - 2010, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	12.9	16.4	19.2	21.2	22.4	27.7	27.5	23.5	16.9	12.5	14.1	11.0
Max	47.2	48.2	59.2	47.0	62.6	73.4	60.2	55.8	40.5	38.3	62.3	36.7
(WY)	(1959)	(1973)	(2010)	(2010)	(1949)	(2010)	(2010)	(1953)	(1984)	(1959)	(1967)	(1958)
Min	0.37	0.26	1.55	7.29	5.46	7.22	5.30	0.66	0.85	0.00	0.65	0.75
(WY)	(2009)	(2009)	(1947)	(1966)	(1947)	(1966)	(1947)	(1955)	(1954)	(1981)	(1954)	(1981)

01410500 ABSECON CREEK AT ABSECON, NJ—Continued**SUMMARY STATISTICS**

	Calendar Year 2009	Water Year 2010		Water Years 1946 - 2010	
Annual total	7,559.5		12,941.48		
Annual mean	20.7		35.5		18.9
Highest annual mean				35.6	1973
Lowest annual mean				6.22	1947
Highest daily mean	125	Dec 27	150	Mar 30	265 Feb 26, 1979
Lowest daily mean	1.5	Jul 27	0.29	Sep 19	0.00 Many days
Annual seven-day minimum	1.8	Jul 25	0.33	Sep 16	0.00 Many days
Maximum peak stage			^6.35	Nov 13	^7.77 Mar 29, 1984
10 percent exceeds	38		64		40
50 percent exceeds	16		35		15
90 percent exceeds	4.6		2.2		2.9

^a Affected by backwater from tide.

