



Water-Data Report 2009

01464480 MIRY RUN AT HOLMES MILLS, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 40°08'02", long 74°32'34" referenced to North American Datum of 1983, Upper Freehold Township, Monmouth County, NJ, Hydrologic Unit 02040201, at bridge on Holmes Mill Road (Allentown-New Egypt Road) in Holmes Mills, 0.7 mi upstream from mouth, and 2.4 mi northwest of Hornerstown.

DRAINAGE AREA.--3.15 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2007, 2009.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 1 of 2

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, air, deg C (00020)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf μS/cm @ 25 degC (00095)	Temper- ature, water, deg C (00010)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water, fltrd, mg/L as N (00631)	Phos- phorus, water, fltrd, mg/L as P (00666)
Jul 09...	1130	--	24.0	8.5	93	7.0	225	16.4	28	.30	.081	.46	.008
Sep 09...	1245	761	22.0	9.4	98	6.7	232	17.2	19	.22	.070	.33	.010

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Part 2 of 2

Date	Phos- phorus, water, unfltrd mg/L as P (00665)	Total nitro- gen, water, unfltrd mg/L (00600)	Chloro- phyll a phyto- plank- ton, fluoro, μg/L (70953)	Pheo- phytin a, phyto- plank- ton, μg/L (62360)	Organic carbon, water, fltrd, mg/L (00681)	Organic carbon, water, unfltrd mg/L (00680)
Jul 09...	.244	.76	.7	.9	1.3	--
Sep 09...	.142	.55	.7	.6	1.3	2.6