



Water-Data Report 2009

01409418 HAMMONTON CREEK AT NESCO, NJ

MULLICA RIVER BASIN

LOCATION.--Lat 39°37'40", long 74°41'37" referenced to North American Datum of 1983, Mullica Township, Burlington County, NJ, Hydrologic Unit 02040301, at bridge on Columbia Road, 230 ft downstream from Petties Branch, 0.7 mi south of Nesco, and 1.6 miles southeast of Wescoatville.

DRAINAGE AREA.--15.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 2007-09.

GAGE.--None.

REMARKS.--Flow may include some sewage effluent.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009**

Date	Discharge, in ft³/s
Oct 8, 2008	11.6
Mar 25, 2009	17.2
May 26, 2009	14.7
Jun 16, 2009	24.0
Jul 21, 2009	25.6
Aug 12, 2009	27.9
Sep 13, 2009	22.1
Sep 23, 2009	38.6

01409418 HAMMONTON CREEK AT NESCO, NJ—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2007-09.

PERIOD OF DAILY RECORD.--

DISSOLVED OXYGEN: June-September 2009.

DISSOLVED OXYGEN, PERCENT OF SATURATION: June-September 2009.

pH: June-September 2009.

SPECIFIC CONDUCTANCE: June-September 2009.

WATER TEMPERATURE: June-September 2009.

REMARKS.--The accuracy of continuous water-quality data was verified through simultaneous measurements of a similar instrument recorded at time of deployment and retrieval.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of carbonaceous biochemical oxygen demand and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 2

[Remark codes: <, less than; E, estimated.]

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, air, deg C (00020)	Instan- taneous dis- charge, ft ³ /s (00061)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd std units (00400)	Specif- ic conduc- tance, wat unf 25 degC (00095)	Temper- ature, water, deg C (00010)	Turbdty white light, 90+/-30 corrctd NTRU (63676)	Dis- solved solids dried @ 180degC wat flt mg/L (70300)	Sus- pended solids, water, unfltrd mg/L (00530)	
Sep 17...	1330	752	19.0	13	8.6	89	6.1	95	16.8	1.4	<1.0	68	2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 2

[Remark codes: <, less than; E, estimated.]

Date	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	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)	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)	Iron, water, unfltrd recover -able, µg/L (01045)	Boron, water, unfltrd recover -able, µg/L (01022)	Organic carbon, water, unfltrd mg/L (00680)
Sep 17...	7	12.6	.25	E.023	1.11	.10	.14	1.4	.9	1.2	314	32	4.3

01409418 HAMMONTON CREEK AT NESCO, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 2

[Remark codes: <, less than; E, estimated.]

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, air, deg C (00020)	Instan- taneous dis- charge, ft ³ /s (00061)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent 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)	CBOD, water, unfltrd 5 day, mg/L (80082)	Dis- solved solids dried @ 180degC wat flt mg/L (70300)	Sus- pended solids, water, unfltrd mg/L (00530)
Oct 08...	1500	766	20.0	12	10.3	97	6.4	95	12.5	2.0	<1.0	63	1
Mar 25...	1515	771	9.0	17	--	--	5.9	85	9.1	3.2	--	54	2
May 26...	1500	763	12.0	15	8.4	84	5.9	76	15.8	3.9	<1.0	57	6
Jun 16...	1500	--	28.0	24	7.8	82	5.8	89	18.0	6.3	--	57	4
Jul 21...	1415	762	22.0	26	7.5	82	6.0	90	19.4	55	--	69	58
Aug 12...	1400	--	28.0	28	6.7	77	5.7	82	22.3	--	--	82	5
Sep 03...	1315	--	24.0	22	8.4	87	5.9	85	17.3	3.9	--	57	1
23...	1400	766	28.0	39	7.6	80	5.5	81	18.0	29	--	61	21

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

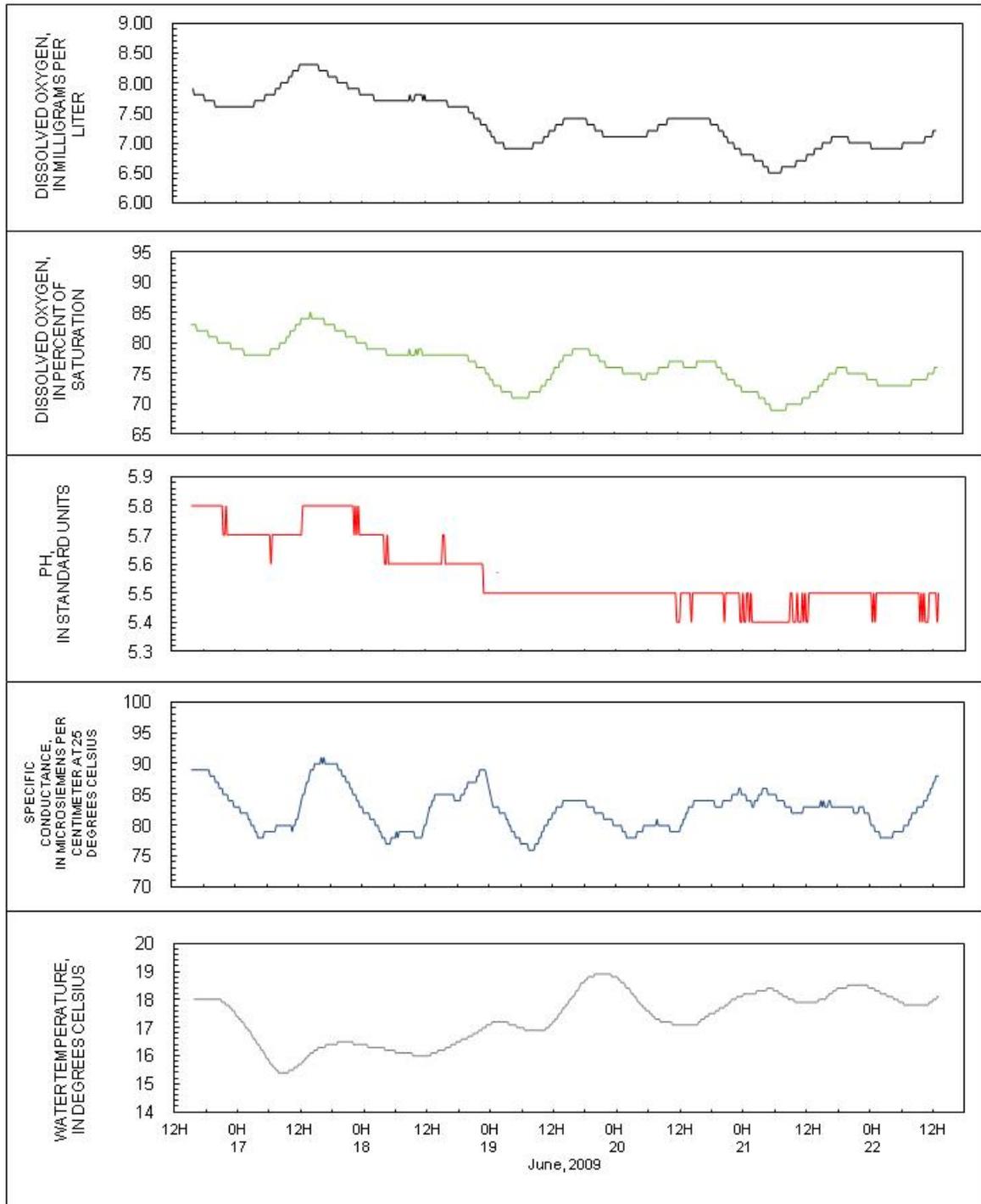
Part 2 of 2

[Remark codes: <, less than; E, estimated.]

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Oct 08...	8	13.6	.17	E.023	1.10	.09	.12	1.3	.4	.6	161	33	2.5
Mar 25...	E4	12.0	.20	<.020	1.27	.02	.04	1.5	.8	1.2	145	25	3.7
May 26...	E6	10.7	.37	.024	.90	.07	.11	1.3	.6	2.1	498	E11	6.1
Jun 16...	E6	11.9	.43	.040	1.22	.12	.17	1.6	.5	1.8	614	23	7.8
Jul 21...	E7	13.2	.99	E.015	.80	.08	.49	1.8	3.1	12.6	1,910	32	12.7
Aug 12...	E6	11.8	.53	E.017	.74	.10	.14	1.3	.8	1.8	856	25	11.6
Sep 03...	E6	11.9	.35	<.020	1.06	.09	.11	1.4	.5	1.0	557	26	8.0
23...	E4	10.3	.60	<.020	1.24	.04	.18	1.8	1.6	4.7	1,040	18	10.3

01409418 HAMMONTON CREEK AT NESCO, NJ—Continued

WATER-QUALITY-MONITOR VALUES RECORDED EVERY FIFTEEN MINUTES
JUNE 16, 2009 TO JUNE 22, 2009



01409418 HAMMONTON CREEK AT NESCO, NJ—Continued

WATER-QUALITY-MONITOR VALUES RECORDED EVERY FIFTEEN MINUTES
SEPTEMBER 22, 2009 TO SEPTEMBER 25, 2009

