



Water-Data Report 2008

01411483 HUDSON BRANCH AT NEWFIELD, NJ

MAURICE RIVER BASIN

LOCATION.--Lat 39°32'05", long 75°01'50" referenced to North American Datum of 1983, Vineland City, Cumberland County, NJ, Hydrologic Unit 02040206, at bridge on West Arbor Avenue, 0.7 mi northwest of North Vineland, 1.0 mi southwest of Newfield, and 0.8 mi upstream of mouth.

DRAINAGE AREA.--1.41 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Occasional low-flow measurements, water years 2000, 2008.

GAGE.--None.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Discharge, in ft³/s
Jul 17, 2008	0.45
Sep 2, 2008	0.30

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 2004, 2007-08.

REMARKS.--Cooperative Network Site Descriptor: Trace Element Assessment (303d) special study site.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJ Department of Environmental Protection.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 2

[QC, quality control sample. Remark codes: <, less than.]

Date	Time	Sample medium and type	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	Baro- metric pres- sure, mm Hg (00025)	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 unfltrd µS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)
Jan									
08...	0920	QC - Artificial, field blank	--	--	--	--	--	--	--
08...	1000	Surface water, regular	4.1	766	9.6	83	8.2	630	13.0
Apr									
03...	0910	QC - Artificial, field blank	--	--	--	--	--	--	--
03...	0930	Surface water, regular	3.7	773	10.8	93	8.3	656	5.5
Jun									
17...	0905	QC - Artificial, field blank	--	--	--	--	--	--	--
17...	0930	Surface water, regular	24	755	5.6	64	7.9	663	25.0

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 2 of 2

[QC, quality control sample. Remark codes: <, less than.]

Date	Temper- ature, water, deg C (00010)	Mercury water, fltrd, µg/L (71890)	Mercury unfltrd recover- able, µg/L (71900)
Jan			
08...	--	<.010	--
08...	8.7	.015	.028
Apr			
03...	--	<.010	--
03...	8.7	.016	.027
Jun			
17...	--	<.010	--
17...	20.4	.012	.064