



Water-Data Report 2009

**01411466 INDIAN BRANCH NEAR MALAGA, NJ**

MAURICE RIVER BASIN

LOCATION.--Lat 39°35'27", long 75°03'35" referenced to North American Datum of 1983, Franklin Township, Gloucester County, NJ, Hydrologic Unit 02040206, at bridge on State Route 47 (Delsea Drive), 0.4 mi upstream from Malaga Lake, and 1.4 mi north of Malaga.

DRAINAGE AREA.--6.50 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Miscellaneous measurements, water years 1957, 1998 to current year.

GAGE.--Staff gage.

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

<b>Date</b>	<b>Discharge, in ft<sup>3</sup>/s</b>
Dec 2, 2008	8.46
Mar 10, 2009	6.02
May 6, 2009	12.3
Aug 13, 2009	7.06

## 01411466 INDIAN BRANCH NEAR MALAGA, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998 to current year.

PERIOD OF DAILY RECORD.--July-September 2007.

REMARKS.--Cooperative Network Site Descriptor: Undeveloped Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 17.

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

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 1 of 3

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

Date	Time	Baro- metric pres- sure, mm Hg (00025)	Temper- ature, air, deg C (00020)	UV absorb- ance, 254 nm, wat flt units /cm (50624)	UV absorb- ance, 280 nm, wat flt units /cm (61726)	Instan- taneous dis- charge, ft <sup>3</sup> /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 μS/cm @ 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)
Dec 02...	1115	757	17.0	.867	.665	8.5	8.6	70	4.0	78	6.5	1.5	78
Mar 10...	1210	764	12.0	.569	.440	6.0	8.9	76	4.1	64	8.7	1.2	46
May 06...	0900	762	16.5	1.29	1.00	12	6.1	58	4.2	58	12.6	1.1	76
Aug 13...	0905	759	23.0	1.51	1.18	7.1	2.8	31	4.2	57	19.9	1.1	77

WATER-QUALITY DATA  
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Part 2 of 3

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

Date	Hard- ness, water, mg/L as CaCO3 (00900)	Sus- pended solids, water, unfltrd mg/L (00530)	Calcium water, fltrd, mg/L (00915)	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Total carbon, suspcnd sedimnt total, mg/L (00694)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Inor- ganic carbon, suspcnd sedimnt total, mg/L (00688)	Silica, water, fltrd, mg/L as SiO2 (00955)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Dec 02...	11	1	1.95	1.54	.89	4.25	.4	7.02	<.08	<.04	8.4	8.59	.52
Mar 10...	8	1	1.42	1.10	.88	4.26	.4	7.03	<.08	<.04	5.2	5.91	.43
May 06...	8	6	1.35	1.02	.91	3.74	.6	6.43	<.08	<.04	5.1	4.02	.65
Aug 13...	7	1	1.34	.979	.98	3.80	.3	6.99	<.08	<.04	8.4	2.40	.79

## 01411466 INDIAN BRANCH NEAR MALAGA, NJ—Continued

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

Part 3 of 3

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

<b>Date</b>	<b>Ammonia water, fltrd, mg/L as N (00608)</b>	<b>Nitrate + nitrite water, fltrd, mg/L as N (00631)</b>	<b>Ortho- phos- phate, water, fltrd, mg/L as P (00671)</b>	<b>Partic- ulate nitro- gen, susp, water, mg/L (49570)</b>	<b>Phos- phorus, water, fltrd, mg/L as P (00666)</b>	<b>Phos- phorus, water, unfltrd mg/L as P (00665)</b>	<b>Total nitro- gen, water, fltrd, mg/L (00602)</b>	<b>Total nitro- gen, water, unfltrd mg/L (00600)</b>	<b>Organic carbon, suspnd sedimnt total, mg/L (00689)</b>	<b>Organic carbon, water, fltrd, mg/L (00681)</b>
<b>Dec 02...</b>	.024	.27	E.003	E.02	.009	.008	.79	E.81	.43	20.1
<b>Mar 10...</b>	.016	.47	.003	.03	E.006	E.007	.90	.93	.38	11.0
<b>May 06...</b>	.023	.25	E.004	.06	.011	.009	.90	.96	.54	24.4
<b>Aug 13...</b>	.052	.18	E.009	.03	.016	.020	.98	1.0	.31	26.7