

## 01412800 COHANSEY RIVER AT SEELEY, NJ

LOCATION.--Lat 39°28'21", long 75°15'20", Cumberland County, Hydrologic Unit 02040206, at bridge on Silver Lake Road, 0.6 mi south of Seeley, 2.6 mi east of Shiloh, 4.1 mi north of Bridgeton, and 22.5 mi upstream from mouth.

DRAINAGE AREA.--28.0 mi<sup>2</sup>.

PERIOD OF RECORD.--Water years 1975 to current year.

REMARKS.--Total nitrogen (00600) equals the sum of dissolved ammonia plus organic nitrogen (00623), dissolved nitrite plus nitrate nitrogen (00631), and total particulate nitrogen (49570).

COOPERATION.--Concentrations of ammonia in samples collected during November to December and August to September; orthophosphate in every sampling period except February to March; and nitrite, biochemical oxygen demand, total suspended residue, fecal coliform, E. coli, and enterococcus bacteria were determined by the New Jersey Department of Health and Senior Services, Public Health and Environmental Laboratories, Environmental and Chemical Laboratory Services.

COOPERATIVE NETWORK SITE DESCRIPTOR.--Agricultural Land Use Indicator, New Jersey Department of Environmental Protection Watershed Management Area 17.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instantaneous discharge, cfs (00061)	Turbidity white light, det ang 90+/-30 correctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)
NOV 22...	1330	30	6.5	.115	.090	765	9.7	88	6.6	212	14.0	11.4	60
FEB 02...	0930	35	17	.061	.050	777	12.9	92	7.0	235	-2.0	2.3	68
MAY 17...	1020	36	4.4	.080	.063	766	9.2	94	6.5	222	18.5	16.6	62
AUG 15...	1030	32	5.6	.099	.077	763	6.5	78	6.3	224	28.0	24.4	63
Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unfltrd end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total at 105 deg. C, suspended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
NOV 22...	11.8	7.40	6.93	10.4	17	23.6	E.1	9.1	23.1	127	143	6	.28
FEB 02...	13.9	8.09	5.30	9.72	11	23.1	<.1	9.1	26.5	133	135	--	.25
MAY 17...	12.1	7.79	4.95	9.85	15	22.2	E.1	5.3	24.3	120	144	--	.30
AUG 15...	13.0	7.51	7.80	12.4	20	25.0	E.1	8.7	23.4	130	132	6	.43
Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water, fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Particulate nitrogen, susp, water, mg/L (49570)	Total nitrogen, water, fltrd, mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inorganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)
NOV 22...	.090	5.37	.024	.03	5.6	5.7	<.010	.009	.052	.3	<.1	.3	2.8
FEB 02...	.091	6.81	--	.09	7.1	7.2	<.006	<.004	.069	.8	<.1	.8	1.5
MAY 17...	.083	5.58	--	.06	5.9	5.9	E.005	.007	.036	.5	<.1	.4	2.1
AUG 15...	.109	4.64	--	.08	5.1	5.2	.015	.025	.067	1.0	<.1	1.0	2.8

## 01412800 COHANSEY RIVER AT SEELEY, NJ—Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005—CONTINUED

Date	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Boron, water, fltrd, ug/L (01020)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
NOV 22...	2.1	17	--	--
FEB 02...	--	16	18	1.7
MAY 17...	<1.0	17	5	.49
AUG 15...	<1.0	21	--	--

Remark codes used in this table:

< -- Less than.

E -- Estimated.

## WATER-COLUMN BACTERIA ANALYSES

Samples were collected synoptically over a 30-day period during the summer.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Instan- taneous dis- charge, cfs (00061)	Entero- cocci, m-E MF, water, col/ 100 mL (31649)	E coli, m-TEC MF, water, col/ 100 mL (31633)	Fecal coli- form, ECbroth water, MPN/ 100 mL (31615)
AUG					
03...	0945	28	200	300	40
10...	1140	38	670	300	170
17...	1138	33	230	<100	230
24...	0945	26	180	100	270
31...	1115	26	280	300	1,300

Remark codes used in this table:

< -- Less than.