

01409600 LANDING CREEK NEAR EGG HARBOR CITY, NJ

LOCATION.--Lat 39°33'24", long 74°36'10", Atlantic County, Hydrologic Unit 02040301, at bridge on Indian Cabin Road, 0.4 mi northwest of intersection of Indian Cabin Road and North Bremen Avenue, 0.2 mi southeast of Egg Harbor City Lake, and 2.3 mi northeast of Egg Harbor City.

DRAINAGE AREA.--14.7 mi².

PERIOD OF RECORD.--Water years 1915, 1974-78, 2005.

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.--Field data and samples for laboratory analyses were provided by the New Jersey Department of Environmental Protection. 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, and total suspended residue were determined by the New Jersey Department of Health and Senior Services, Public Health and Environmental Laboratories, Environmental and Chemical Laboratory Services. Concentrations of fecal coliform, E. coli, and enterococcus bacteria in samples were determined by the New Jersey Department of Environmental Protection, Bureau of Marine Water Monitoring Laboratory.

COOPERATIVE NETWORK SITE DESCRIPTOR.--Statewide Status, New Jersey Department of Environmental Protection Watershed Management Area 14.

REVISIONS.--Water-quality data from water year 2000 were published as data collected at 01409600, Landing Creek near Egg Harbor City, NJ. The data were collected at 01409570, Landing Creek at US Rt 30 at Egg Harbor City, NJ, not at site 01409600. The National Water Information System (NWIS) database has been updated.

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

Date	Time	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)	Calcium water, mg/L (00915)	
Date		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)	Ammonia water, fltrd, mg/L as N (00608)
Date		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)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)
NOV 04...	1030	1.6	.198	.156	763	8.0	71	5.4	74	6.0	10.2	13	2.40	
FEB 17...	1015	3.3	.262	.197	760	9.5	76	4.9	100	-2.5	5.9	15	3.31	
JUN 02...	1045	3.6	.237	.183	768	8.2	79	5.2	75	10.0	14.0	13	2.63	
AUG 24...	1030	6.3	.251	.201	762	7.0	74	5.5	65	19.5	18.6	11	2.10	
NOV 04...	1.62	1.39	6.35	2	11.5	<.1	12.6	8.4	47	54	7	.14	.010	
FEB 17...	1.53	1.07	8.94	<2	15.8	<.1	7.7	11.5	--	66	--	.29	<.040	
JUN 02...	1.45	1.22	7.02	<2	11.8	<.1	9.9	8.6	--	59	--	.26	.063	
AUG 24...	1.35	1.17	5.81	<5	10.5	<.1	12.6	6.5	--	49	7	.20	.059	
NOV 04...	.31	.002	.09	.45	.54	<.010	.005	.018	1.4	<.1	1.4	4.5	2.3	
FEB 17...	.52	--	.05	.80	.86	<.006	.005	.014	.7	<.1	.7	6.1	--	
JUN 02...	.53	--	.07	.80	.86	E.006	E.003	.019	1.8	<.1	1.8	5.2	<1.0	
AUG 24...	.35	--	.10	.55	.65	E.008	.004	.019	1.5	<.1	1.5	3.9	E1.5	

01409600 LANDING CREEK NEAR EGG HARBOR CITY, NJ—Continued

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

Date	Boron, water, fltrd, ug/L (01020)	Sus- pended sedi- ment concen- tration mg/L (80154)
NOV 04...	15	--
FEB 17...	14	3
JUN 02...	10	8
AUG 24...	12	--

Remark codes used in this table:

< -- Less than.

E -- Estimated.

WATER-COLUMN TRACE-ELEMENT ANALYSES

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

Date	Time	Arsenic water, fltrd, ug/L (01000)	Arsenic water unfltrd ug/L (01002)	Barium, water, unfltrd recover- able, ug/L (01007)	Beryll- ium, water, unfltrd recover- able, ug/L (01012)	Boron, water, unfltrd recover- able, ug/L (01022)	Cadmium water, unfltrd ug/L (01027)	Chrom- ium, water, unfltrd recover- able, ug/L (01034)	Copper, water, unfltrd recover- able, ug/L (01042)	Iron, water, unfltrd recover- able, ug/L (01045)	Lead, water, unfltrd recover- able, ug/L (01051)	Mangan- ese, water, unfltrd recover- able, ug/L (01055)	Mercury water, unfltrd recover- able, ug/L (71900)
FEB 17...	1015	.3	<2	41.2	.16	13	.12	E.5	1.2	460	1.79	17.4	E.01
AUG 24...	1030	.3	.44	35.7	.08	13	.05	.43	.6	1,450	1.47	14.6	.01

Date	Nickel, water, unfltrd recover- able, ug/L (01067)	Selen- ium, water, unfltrd ug/L (01147)	Silver, water, unfltrd recover- able, ug/L (01077)	Zinc, water, unfltrd recover- able, ug/L (01092)
FEB 17...	1.93	.5	<.16	19
AUG 24...	1.71	E.3	<.16	8

Remark codes used in this table:

< -- Less than.

E -- Estimated.

01409600 LANDING CREEK NEAR EGG HARBOR CITY, NJ—Continued

WATER-COLUMN PESTICIDE ANALYSES

The following were determined using laboratory schedule 2001 (listed in its entirety, with laboratory reporting levels, in "Laboratory Measurements" in the Explanation of Water-Quality Records section of this report). Only pesticides detected in one or more surface-water samples are listed in the following table.

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

Date	Time	CIAT, water, fltrd, ug/L (04040)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	Atra-zine, water, fltrd, ug/L (39632)	Azin-phos-methyl, water, fltrd, 0.7u GF ug/L (82686)	Ben-flur-alin, water, fltrd, 0.7u GF ug/L (82673)	Car-baryl, water, fltrd, 0.7u GF ug/L (82680)	Carbo-furan, water, fltrd, 0.7u GF ug/L (82674)	Chlor-pyrifos water, fltrd, ug/L (38933)	DCPA, water fltrd, 0.7u GF ug/L (82682)	Desulf-inyl fipro-nil, water, fltrd, ug/L (62170)	Diazi-non, water, fltrd, ug/L (39572)
JUN 02...	1045	<.006	<.006	<.005	E.004	E.056	<.010	<.041	<.020	<.005	<.003	<.012	<.005
Date	Time	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Linuron water fltrd, 0.7u GF ug/L (82666)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Naprop-amide, water, fltrd, 0.7u GF ug/L (82684)	Pendi-meth-alin, water, fltrd, 0.7u GF ug/L (82683)	Prome-ton, water, fltrd, ug/L (04037)	Propy-zamide, water, fltrd, 0.7u GF ug/L (82676)	Sima-zine, water, fltrd, ug/L (04035)
JUN 02...	<.009	<.029	<.013	<.024	<.016	<.035	<.006	<.006	<.007	<.022	<.01	<.004	<.005
Date	Time					Tebu-thiuron water fltrd, 0.7u GF ug/L (82670)	Terba-cil, water, fltrd, 0.7u GF ug/L (82665)	Tri-flur-alin, water, fltrd, 0.7u GF ug/L (82661)					
JUN 02...						<.02	E.057	<.009					

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	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)
MAY 19...	1100	53	77	67
26...	1043	1,400	310	260
JUN 02...	1100	33	70	90
09...	0945	73	170	226
16...	1125	147	370	390