

Water-Data Report 2006

01409600 LANDING CREEK NEAR EGG HARBOR CITY, NJ

MULLICA RIVER BASIN

LOCATION.--Lat 39°33'24.4", long 74°36'10.0" referenced to North American Datum of 1983, Egg Harbor City, Atlantic County, NJ, Hydrologic Unit 02040301, at bridge on Indian Cabin Road, 0.4 minorthwest 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.

WATER-QUALITY RECORDS

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

REVISED RECORDS.--Water-quality data from water year 2000, published as "Landing Creek near Egg Harbor City" (station 01409600), were actually collected at Landing Creek at US Rt 30 at Egg Harbor City (station 01409570). The National Water Information System (NWIS) database has been updated.

REMARKS.--Total nitrogen (00600) equals the sum of filtered ammonia plus organic nitrogen (00623), filtered nitrite plus nitrate nitrogen (00631), and total particulate nitrogen (49570). Bacteria samples were collected synoptically over a 30-day period during the summer.

COOPERATIVE NETWORK SITE DESCRIPTOR: Statewide Status, New Jersey Department of Environmental Protection (NJDEP) Watershed Management Area 14.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of the NJDEP. Bacteria samples were provided by the local county health department under the direction of the NJDEP through the County Environmental Health Act. Determinations of filtered ammonia, filtered orthophosphorus, BOD, total suspended residue, ammonia+organic nitrogen in bed sediment, and phosphorous in bed sediment were performed by the NJ Department of Health and Senior Services. Determinations of fecal coliform, E. coli, and enterococcus bacteria were performed by the NJDEP, Bureau of Marine Water Monitoring Laboratory.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**
 Part 1 of 5
 [Remark codes: <, less than; E, estimated.]

Date	Time	Turbidity white light, det ang 90+/-30 corrctd	UV absorb- ance, 254 nm, wat flt units	UV absorb- ance, 280 nm, wat flt units	Baro- metric pres- sure, mm Hg	Dis- solved oxygen, mg/L (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfiltrd field, std units	Specif. conduc- tance, wat unf uS/cm (00400)	Temper- ature, air, deg C (25 degC (00095))	Temper- ature, water, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO ₃ (00900)	Calcium water, mg/L (00915)
Nov 14...	1030	1.0	.169	.132	768	7.8	71	5.1	75	15.5	11.5	13	2.46		
Feb 07...	1030	2.1	.254	.192	762	10.0	79	4.9	88	-1.5	5.3	14	3.15		
May 08...	1030	2.4	.219	.171	764	9.0	85	5.3	74	11.0	13.2	12	2.50		
Aug 01...	1030	7.0	.438	.347	758	6.3	72	5.5	70	28.0	22.1	12	2.47		

01409600 LANDING CREEK NEAR EGG HARBOR CITY, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 5

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

Date	ANC, wat unf						Residue on		Residue total		Ammonia + org-N, water,		Ammonia water, fltrd,		Nitrite + nitrate water	
	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	CaCO ₃ mg/L as (90410)	Chlor- ide, end pt water, fltrd, mg/L (00940)	Fluor- ide, lab, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	180degC wat flt mg/L (70300)	sus- pended, mg/L (00530)	at 105 deg. C, mg/L (00623)	as N mg/L (00608)	as N mg/L (00631)			
Nov 14...	1.62	1.39	6.93	<5	12.0	<.10	12.5	9.72	58	3	.18	.037	.33			
Feb 07...	1.55	1.21	7.80	<5	13.3	E.08	8.3	12.0	58	1	.22	.027	.57			
May 08...	1.46	1.23	6.55	<5	11.7	E.06	8.9	8.29	59	5	.25	.036	.45			
Aug 01...	1.43	1.25	6.34	<5	11.2	<.10	11.4	7.03	50	4	.41	.043	.38			

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

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

Date	Ortho- phosphate, water, fltrd, mg/L as P (00671)						Inor- ganic carbon, suspnd sediment			Organic carbon, suspnd sediment			BOD, water, unfltrd 5 day, 20 degC			Arsenic water, fltrd, ug/L (01000)		Arsenic water unfltrd ug/L (01002)	
	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sediment mg/L (00694)	Total carbon, suspnd sediment mg/L (00688)	Organic carbon, suspnd sediment mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	mg/L (00310)	mg/L (01000)	mg/L (01002)								
Nov 14...	.06	.51	.57	E.007	E.003	.011	.7	<.1	.7	4.9	<1.0	--	--						
Feb 07...	.03	.79	.82	E.006	E.004	.009	.5	<.1	.5	5.7	E1.6	.23	.37						
May 08...	.11	.70	.81	E.009	.005	.017	1.6	<.1	1.6	3.9	<1.0	--	--						
Aug 01...	.15	.79	.94	E.010	.007	.029	2.4	<.1	2.4	6.7	<1.0	.51	.82						

01409600 LANDING CREEK NEAR EGG HARBOR CITY, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 5

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

Date	Barium, water, unfltrd recover -able, ug/L (01007)	Beryll- ium, water, unfltrd recover -able, ug/L (01012)	Boron, water, unfltrd recover -able, ug/L (01020)	Boron, water, unfltrd recover -able, ug/L (01022)	Cadmium water, unfltrd recover -able, 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)	Nickel, water, unfltrd recover -able, ug/L (01067)	Selen- ium, water, unfltrd recover -able, ug/L (01147)
Nov 14...	--	--	14	--	--	--	--	--	--	--	--	--	--
Feb 07...	38.3	.16	15	13	.11	.44	1.1	445	1.44	16.4	E.009	1.81	.10
May 08...	--	--	12	--	--	--	--	--	--	--	--	--	--
Aug 01...	39.5	.08	15	16	.07	.50	1.6	1,830	2.18	15.2	.015	2.03	.15

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005
TO SEPTEMBER 2006

Part 5 of 5

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

Date	Silver, water, unfltrd recover -able, ug/L (01077)	Zinc, water, unfltrd recover -able, ug/L (01092)
Nov 14...	--	--
Feb 07...	<.16	18
May 08...	--	--
Aug 01...	<.16	9

01409600 LANDING CREEK NEAR EGG HARBOR CITY, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 4

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

Date	Time	Ammonia			Inor-			Chrom-					
		pH bed sedimnt std	+ org-N, bed sedimnt total, mg/kg (00626)	Phos- phorus, bed sedimnt total, mg/kg (00668)	Total carbon, bed sedimnt total, g/kg (00693)	Inor- ganic carbon, bed sedimnt total, g/kg (00686)	Arsenic bed sedimnt recover -able, ug/g (64847)	Cadmium bed sedimnt recover -able, ug/g (01028)	ium, bed sedimnt recover -able, ug/g (01029)	Cobalt bed sedimnt recover -able, ug/g (01038)	Copper, bed sedimnt recover -able, ug/g (01043)	Iron, bed sedimnt total, ug/g (01170)	Lead, bed sedimnt recover -able, ug/g (01052)
Aug 01...	1030	5.84	200	320	1.6	<.2	.4	.010	1.2	.100	<2	830	5.0

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 4

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

Date	Mangan- ese, bed sedimnt recover -able, ug/g (01053)	Mercury bed sedimnt recover -able, ug/g (71921)	Nickel, bed sedimnt recover -able, ug/g (01068)	Sele- nium, bed sedimnt recover -able, ug/g (64848)	Zinc, bed sedimnt recover -able, ug/g (01093)	1,2-Di- methyl- naphth- alene, <2 mm, ug/kg (49403)	1,6-Di- methyl- naphth- alene, <2 mm, ug/kg (49404)	1Methyl -9H- fluor- ene, <2 mm, ug/kg (49398)	1- Methyl- phenan- threne, <2 mm, ug/kg (49410)	1- Methyl- pyrene, wsv nat ug/kg (49388)	236Tri- methyl- naphth- alene, <2 mm, ug/kg (49405)	2,6-Di- methyl- naphth- alene, <2 mm, ug/kg (49406)	2-Ethyl naphth- alene bed sed bed sed
	(71921)	(01068)	(64848)	(01093)	(49403)	(49404)	(49398)	(49410)	(49410)	(49388)	(49405)	(49406)	(49448)
Aug 01...	1.0	.015	.400	<.1	<3.1	<51	E3	<51	E6	E18	<51	E6	<51

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 4

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

Date	2- Methyl- anthra- cene, bed sed <2 mm, bs <2mm ug/kg (49435)	4H-Cyc- lopenta- ene, bed sed <2 mm, wsv nat ug/kg (49411)	9H- Fluor- ene, bed sed <2 mm, wsv nat ug/kg (49399)	Ace- naphth- ylene, bed sed field, wsv nat ug/kg (49429)	Ace- naphth- ylene, bed sed field, wsv nat ug/kg (49428)	Anthra- cene, bed sed <2 mm, wsv nat ug/kg (49434)	Benzo- [a]- anthra- cene, bed sed field, wsv nat ug/kg (49436)	Benzo- [a]- pyrene, bed sed field, wsv nat ug/kg (49389)	Benzo- [b]- anthene, bed sed field, wsv nat ug/kg (49458)	Benzo- [ghi]- anthene, bed sed field, wsv nat ug/kg (49408)	Benzo- [k]- anthene, bed sed field, wsv nat ug/kg (49397)	Chry- sene, bed sed field, wsv nat ug/kg (49450)	Dibenzo- [a,h]- anthra- cene, bed sed field, wsv nat ug/kg (49461)	
	(49411)	(49399)	(49429)	(49428)	(49434)	(49436)	(49389)	(49458)	(49408)	(49397)	(49450)	(49461)		
Aug 01...	E10	E5	E4	<51	E4	E9	E20	E25	E28	E29	E13	E18	E11	

01409600 LANDING CREEK NEAR EGG HARBOR CITY, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 4

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

Date	Fluor-anthene bed sed <2 mm wsv nat field, ug/kg (49466)	Indeno-[1,2,- 3-cd]- pyrene, bed sed <2 mm wsv nat bed ug/kg (49390)	Iso-phrone bed sed <2 mm wsv nat field, ug/kg (49400)	Naphth-alene, bed sed <2 mm wsv nat wsv nat bed ug/kg (49402)	p-PCBs, bed sed wsv nat sedimnt ug/kg (39519)	Phenan-Cresol, bed sed <2 mm, wsv nat field, ug/kg (49451)	Phenan-threne, bed sed <2 mm, wsv nat field, ug/kg (49409)	Phenan-thri-dine, bed sed <2 mm, wsv nat wsv nat ug/kg (49393)	Pyrene, bed sed <2 mm, wsv nat field, ug/kg (49387)	Bed sediment, dry svd sve dia percent <.063mm (80164)	Bed sediment, fallidia dst wat percent <.004mm (80157)
Aug 01...	E36	E23	<51	<51	E4.11	<51	E14	<51	E36	.7	.4

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 5

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Date	Time	2,4-D methyl ester, water, fltrd, ug/L (50470)	2,4-DB water, water, fltrd, ug/L (39732)	CIAT, 0.7u GF ug/L (38746)	CEAT, water, fltrd, ug/L (04040)	OIET, water, fltrd, ug/L (04038)	Hydroxy carbo-furan, wat flt ug/L (50355)	3-Hydroxy carbo-furan, wat flt ug/L (49308)	Aldi-carb sulfone, wat flt ug/L (49313)	Aldi-carb sulfide, wat flt ug/L (49314)	Aldi-carb, water, fltrd, ug/L (49312)	Atra-zine, water, fltrd, ug/L (39632)	Bendio-carb, water, fltrd, ug/L (50299)
May 08...	1030	<.016	<.04	<.02	<.03	<.08	<.032	<.008	<.02	<.022	<.04	<.008	<.02

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 5

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

Date	Benomyl	Bensulfuron-methyl, water, fltrd, ug/L (50300)	Ben-tazon, water, fltrd, ug/L (61693)	Bromo-cil, water, fltrd, 0.7u GF ug/L (38711)	Bromoxynil, water, fltrd, ug/L (04029)	Caf-feine, water, fltrd, ug/L (49311)	Car-baryl, water, fltrd, ug/L (50305)	Carbo-furan, water, fltrd, ug/L (49310)	Chlor-amben, water, fltrd, ug/L (49309)	Chloro-di-methyl, water, fltrd, ug/L (61188)	Chloro-amino-s-triazine, water, fltrd, ug/L (50306)	Clopyr-alid, water, fltrd, ug/L (04039)	Cyclo-ate, water, fltrd, ug/L (49305)
May 08...		<.027	<.02	<.01	<.02	<.03	<.018	<.02	E.004	<.02	<.032	<.04	<.02

01409600 LANDING CREEK NEAR EGG HARBOR CITY, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

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

Date	Dacthal mono-	Di- chlor-		Fluo-								Linuron water, fltrd	MCPA, water, fltrd
	acid, water, fltrd 0.7u GF ug/L (49304)	Dicamba water, fltrd 0.7u GF ug/L (38442)	prop, water, fltrd 0.7u GF ug/L (49302)	Diphen- amid, water, fltrd, 0.7u GF ug/L (04033)	Diuron, water, fltrd 0.7u GF ug/L (49300)	Fenuron water, fltrd 0.7u GF ug/L (49297)	Flumet- sulam, water, fltrd, 0.7u GF ug/L (61694)	meturon water, fltrd 0.7u GF ug/L (38811)	Imaza- quin, water, fltrd, 0.7u GF ug/L (50356)	Imaze- thapyr, water, fltrd, 0.7u GF ug/L (50407)	Imida- clopriid water, fltrd 0.7u GF ug/L (61695)		
May 08...	<.03	<.04	<.03	<.01	<.02	<.02	<.04	<.04	<.02	<.04	E.008	<.01	<.03

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 5

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

Date	MCPB, water, fltrd 0.7u GF ug/L (38487)	Meta- laxyl, water, fltrd 0.7u GF ug/L (50359)	Methio- carb, water, fltrd 0.7u GF ug/L (38501)	Meth- omyl, water, fltrd 0.7u GF ug/L (49296)	Metsul- furon, water, fltrd, 0.7u GF ug/L (61697)	Netsul- phenyl) -N'- methyl- urea, water, fltrd, 0.7u GF ug/L (61692)	Neburon water, fltrd 0.7u GF ug/L (49294)	Nico- sul- furon, water, fltrd 0.7u GF ug/L (50364)	Norflur azon, water, fltrd 0.7u GF ug/L (49293)	Ory- zalin, water, fltrd 0.7u GF ug/L (49292)	Oxamyl, water, fltrd 0.7u GF ug/L (38866)	Pic- loram, water, fltrd 0.7u GF ug/L (49291)	Propham water, fltrd 0.7u GF ug/L (49236)
	<.01	<.01	<.010	<.020	<.07	<.04	<.01	<.04	.08	<.01	<.03	<.03	<.030
May 08...	<.01	<.01	<.010	<.020	<.07	<.04	<.01	<.04	.08	<.01	<.03	<.03	<.030

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 5

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Date	Propi- conazole, water, fltrd 0.7u GF ug/L (50471)	Pro- poxur, water, fltrd 0.7u GF ug/L (38538)	Sulfo- met- ruron, water, fltrd 0.7u GF ug/L (38548)	Tebu- thiuron water, fltrd 0.7u GF ug/L (50337)	Terba- cil, water, fltrd 0.7u GF ug/L (82670)	Tri- clopypur, water, fltrd 0.7u GF ug/L (04032)	
	<.01	<.008	<.02	<.091	<.026	<.016	<.03
May 08...	<.01	<.008	<.02	<.091	<.026	<.016	<.03

01409600 LANDING CREEK NEAR EGG HARBOR CITY, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Date	Time	Temper- ature, water, deg C (00010)	Enter- coccii, m-E MF,	E coli, m-TEC MF,	Fecal coli- form, ECbroth
			100 mL (31649)	100 mL (31633)	100 mL (31615)
Jun					
01...	1005	16.6	43	110	190
08...	1118	16.3	254	87	270
15...	1112	16.9	78	140	93
22...	1001	19.8	280	190	260
29...	1048	20.8	140	200	280