



Water-Data Report 2006

01476640 PARGEY CREEK AT SWEDESBORO AVENUE, AT REPAUPO, NJ

DELAWARE RIVER BASIN

LOCATION.--Lat 39°47'34", long 75°17'12" referenced to North American Datum of 1983, East Greenwich Township, Gloucester County, NJ, Hydrologic Unit 02040202, at bridge on Swedesboro Avenue, 0.8 mi south of Repaupo, 1.2 mi downstream of Warrington Millpond, and 2.2 mi south of Gibbstown.

DRAINAGE AREA.--4.44 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Miscellaneous measurements, water years 2001-02. Occasional low-flow measurements, water years 2002-06.

GAGE.--Reference point only.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Date	Discharge, in ft ³ /s
Aug 4, 2006	1.17
Aug 21, 2006	0.55

01476640 PARGEY CREEK AT SWEDESBORO AVENUE, AT REPAUPO, NJ—Continued**WATER-QUALITY RECORDS**

PERIOD OF RECORD.--Water years 2005 to current year.

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 18.

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, fecal coliform, E. coli, and enterococcus bacteria were performed by the NJ Department of Health and Senior Services.

**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 corrcrd	UV absorb- ance, 254 nm, wat flt	UV absorb- ance, 280 nm, wat flt	Baro- metric pres- sure, mm Hg	Dissolved oxygen, mg/L (00025)	Dissolved oxygen, mg/L (00300)	pH, percent of sat- uration (00301)	Specif. conduc- tance, mho/cm (00400)	Temper- ature, wat unf uS/cm (25 degC (00095))	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Hard- ness, water, mg/L as CaCO3 (00900)	Calcium water, mg/L (00915)
		NTRU (63676)	/cm (50624)	/cm (61726)	mm Hg (00025)	mg/L (00025)	mg/L (00300)	units (00400)	25 degC (00095)	deg C (00020)	deg C (00010)	mg/L (00900)	mg/L (00915)	
Nov 30...	1030	16	.248	.197	763	7.7	68	6.9	221	14.0	10.1	65	15.2	
Feb 08...	1030	14	.123	.096	765	11.2	85	7.0	224	1.0	3.8	68	15.9	
Jun 07...	1100	22	.268	.210	760	3.7	42	6.9	200	20.0	20.9	58	13.8	
Aug 24...	1100	7.3	.179	.139	764	4.8	56	7.0	217	23.0	23.3	66	15.2	

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**

Part 2 of 5

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

Date	Magnes- ium, water, fltrd, mg/L (00925)	Potas- sium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chlor- ide, water, fltrd, mg/L (00940)	Fluor- ide, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of consti- tuents (70301)	Residue on evap. at 180degC (70300)	Residue total at 105 deg. C, sus- pended, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia water, fltrd, mg/L as N (00608)
Nov 30...	6.52	6.74	9.99	21	26.3	.13	8.0	27.5	122	126	9	.52	.039
Feb 08...	6.77	5.09	9.96	15	25.4	.13	6.5	28.9	125	134	3	.31	.051
Jun 07...	5.58	5.65	8.36	27	21.8	.20	5.3	20.8	104	125	21	.75	.235
Aug 24...	6.85	6.12	8.30	38	25.6	.20	7.1	19.3	113	135	1	.55	.068

01476640 PARGEY CREEK AT SWEDESBORO AVENUE, AT REPAUPO, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

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

Date	Nitrite + nitrate water filtrd, mg/L as N (00631)	Particulate nitrogen, water, susp, water, mg/L (49570)	Total nitrogen, water, filtrd, unfltrd mg/L (00602)	Total nitrogen, water, unfltrd mg/L (00600)	Ortho-phosphate, water, filtrd, mg/L as P (00671)	Phosphorus, water, filtrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sediment total, mg/L (00694)	Inorganic carbon, suspnd sediment total, mg/L (00688)	Organic carbon, suspnd sediment total, mg/L (00689)	Organic carbon, water, filtrd, mg/L (00681)	BOD, water, unfltrd, 5 day, 20 degC mg/L (00310)	Arsenic water, filtrd, ug/L (01000)
Nov 30...	2.06	.27	2.6	2.9	E.008	.024	.118	2.0	<.1	2.0	6.4	E1.6	--
Feb 08...	3.95	.12	4.3	4.4	E.008	.010	.063	.9	<.1	.9	2.7	<1.0	.45
Jun 07...	1.25	.21	2.0	2.2	.012	.021	.112	1.6	<.1	1.6	5.9	2.9	--
Aug 24...	.27	.12	.81	.94	.014	.023	.079	1.0	<.1	1.0	4.9	2.1	2.0

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 5

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

Date	Arsenic water unfltrd ug/L (01002)	Barium, water, unfltrd recoverable, ug/L (01007)	Beryllium, water, unfltrd recoverable, ug/L (01012)	Boron, water, filtrd, ug/L (01020)	Boron, water, unfltrd recoverable, ug/L (01022)	Cadmium water, unfltrd ug/L (01027)	Chromium, water, unfltrd recoverable, ug/L (01034)	Copper, water, unfltrd recoverable, ug/L (01042)	Iron, water, unfltrd recoverable, ug/L (01045)	Lead, water, unfltrd recoverable, ug/L (01051)	Manganese, water, unfltrd recoverable, ug/L (01055)	Mercury water, unfltrd recoverable, ug/L (71900)	Nickel, water, unfltrd recoverable, ug/L (01067)
Nov 30...	--	--	--	27	--	--	--	--	--	--	--	--	--
Feb 08...	1.2	57.1	.07	22	28	E.03	.67	3.2	1,260	1.08	103	<.010	2.96
Jun 07...	--	--	--	25	--	--	--	--	--	--	--	--	--
Aug 24...	3.0	54.9	<.06	31	29	<.04	.37	.8	923	.46	154	<.010	1.62

01476640 PARGEY CREEK AT SWEDESBORO AVENUE, AT REPAUPO, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO
SEPTEMBER 2006

Part 5 of 5

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

Date	Selen- ium, water, unfiltrd ug/L (01147)	Silver, water, recover -able, ug/L (01077)	Zinc, water, recover -able, ug/L (01092)
Nov 30...	--	--	--
Feb 08...	.14	<.16	7
Jun 07...	--	--	--
Aug 24...	.12	<.16	2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 1 of 5

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

Date	Time	2,4-D methyl ester, water, filtrd, ug/L (50470)	2,4-D water, filtrd, ug/L (39732)	2,4-DB water, filtrd, ug/L (38746)	CIAT, water, filtrd, ug/L (04040)	CEAT, water, filtrd, ug/L (04038)	OIET, water, filtrd, ug/L (50355)	3-Hydroxy carbo- furan, wat flt ug/L (49308)	Aci- fluor- fen, water, filtrd ug/L (49315)	Aldi- carb sulfone water, wat flt ug/L (49313)	Aldi- carb oxide, water, wat flt ug/L (49314)	Aldi- carb, water, filtrd, ug/L (49312)	Atra- zine, water, filtrd, ug/L (39632)
Jun 07...	1100	<.190	.26	<.02	<.03	<.08	<.032	<.008	<.028	<.02	<.100	<.15	.020

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 2 of 5

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

Date	Bendio- carb, water, filtrd, ug/L (50299)	Benomyl water, filtrd, ug/L (50300)	Bensul- furone, methyl, water, filtrd, ug/L (61693)	Ben- tazon, water, filtrd, ug/L (38711)	Bromo- cil, water, filtrd, ug/L (04029)	Brom- oxynil, water, filtrd, ug/L (49311)	Caf- feine, water, filtrd, ug/L (50305)	Car- baryl, water, filtrd ug/L (49310)	Carbo- furan, water, filtrd ug/L (49309)	Chlor- amben methyl ester, water, filtrd, ug/L (61188)	Chloro- di- amino- s-tri- azine, water, wat flt ug/L (50306)	Chloro- pyr- alid, water, filtrd ug/L (04039)	
Jun 07...	<.08	<.022	<.02	<.02	<.02	<.04	E.011	.03	.386	<.02	E.018	<.04	<.07

01476640 PARGEY CREEK AT SWEDESBORO AVENUE, AT REPAUPO, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 3 of 5

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

Date	Dacthal		Di-chlor-						Fluo-					
	mono-	water,	Dicamba	prop,	Dinoseb	Diphen-	Diuron,	Fenuron	Flumet-	meturon	Imaza-	Imaze-		
	Cyclo-	acid, water,	water, fltrd	water, fltrd	water, fltrd	amid, water,	water, fltrd	water, fltrd	sulam, water,	water, fltrd	quin, water,	thapyr, water,		
	ate,	water,	0.7u GF	0.7u GF	fltrd,	fltrd,								
	water,	water,	(49301)	(49304)	(38442)	(49302)	(49301)	(49303)	(49300)	(49297)	(50356)	(50407)		
	fltrd,	fltrd	(04031)	(49304)	(38442)	(49302)	(49301)	(04033)	(49300)	(49297)	(38811)	(61695)		
Jun 07...	<.01	<.03	<.04	<.03	<.04	<.01	.30	<.10	<.10	<.04	<.02	<.04	<.04	.065

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 4 of 5

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Date									N-(4-Chlorophenyl)					
	Linuron	MCPA,	MCPB,	Meta-	Methio-	Meth-	Metsul-	Neburon	Nico-	Norflur	Ory-	Zalin,	Oxamyl,	
	water,	water,	water,	laxyl,	carb,	omyl,	furon,	water,	sul-	azon,	water,	water,	water,	
	0.7u GF	0.7u GF	0.7u GF	fltrd,	0.7u GF	0.7u GF	fltrd,	-N'-methyl-	furon,	0.7u GF	fltrd,	0.7u GF	0.7u GF	
	ug/L	urea,	water,	ug/L	ug/L	ug/L	ug/L							
	(38478)	(38482)	(38487)	(50359)	(38501)	(38501)	(49296)	(61697)	(61692)	(49294)	(50364)	(49293)	(38866)	
Jun 07...	<.01	<.07	<.10	.10	<.034	<.070	<.07	<.04	<.01	<.04	.26	<.02	<.05	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Part 5 of 5

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Date	Pic-		Propi-		Pro-		Sulfo-		Tebu-		Tri-	
	Pic-	loram,	Propham	zole,	con-	poxur,	met-	ruron,	thiuron	cil,	Terba-	clopyr,
	water,											
	0.7u GF	0.7u GF	0.7u GF	fltrd,	0.7u GF	0.7u GF	fltrd,	0.7u GF	0.7u GF	fltrd,	0.7u GF	0.7u GF
	ug/L											
	(49291)	(49236)	(50471)	(38538)	(38538)	(38548)	(50337)	(82670)	(82670)	(04032)	(49235)	
Jun 07...	<.03	<.030	<.01	<.008	.03	<.090	<.026	E.010	<.03			

01476640 PARGEY CREEK AT SWEDESBORO AVENUE, AT REPAUPO, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Date	Time	Temper- ature, water, deg C (00010)	Enterो- coccii, m-E	E coli, MF, water,	Fecal coli- form, ECbroth
			100 mL (31649)	100 mL (31633)	100 mL (31615)
May					
31...	1010	24.6	140	70	80
Jun					
07...	1000	20.9	160	10	230
14...	1000	22.3	800	380	170
21...	1000	24.2	150	10	800
28...	1000	24.4	4,300	8,500	504