

Water-Data Report 2007

01411458 LITTLE EASE RUN AT PORCHTOWN, NJ

MAURICE RIVER BASIN

LOCATION.--Lat 39°35'49", long 75°04'32" referenced to North American Datum of 1983, Franklin Township, Gloucester County, NJ, Hydrologic Unit 02040206, at bridge on Leonard Cake Road, 380 ft west from State Highway 55, 0.4 mi northeast from Porchtown, and 1.4 mi downstream from Franklinville Lake.

DRAINAGE AREA.--14.3 mi².

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1998, 2007.

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). Cooperative Network Site Descriptor: Statewide Status, NJ Department of Environmental Protection Watershed Management Area 17.

COOPERATION.--Physical measurements and samples for laboratory analyses were provided by personnel of 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 2006 TO SEPTEMBER 2007**

Part 1 of 5

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

Date	Time	Sample type	Turbdty 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	Dis- solved oxygen, percent of sat- uration	pH, water, unfiltrd field, std units	Specif- ic conduc- tance, μS/cm	Temper- ature, air, deg C	Temper- ature, water, deg C
		NTRU (63676)	/cm (50624)	/cm (61726)	(00025)	(00300)	(00301)	(00400)	25 degC (00095)	(00020)	(00010)	
Nov												
16...	0930	Environmental	1.2	1.66	1.30	755	5.4	54	5.4	81	22.5	
Feb												
21...	0915	Field Blank	--	--	--	--	--	--	--	--	--	
21...	0930	Environmental	1.8	.210	.161	757	11.2	86	6.0	192	10.0	
May												
07...	1000	Environmental	2.4	.892	.699	771	8.0	77	5.9	100	14.0	
Aug												
08...	0930	Environmental	5.2	.312	.251	754	5.1	61	6.5	124	31.0	
											24.3	

01411458 LITTLE EASE RUN AT PORCHTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 5

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

Date	Hardness, water, mg/L as CaCO ₃ (00900)	ANC, wat unf fixed						Chlor- ide, lab, mg/L as CaCO ₃ (90410)	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 mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non- filter- able, mg/L (00530)
		Calcium water, mg/L (00915)	Magnes- ium, water, mg/L (00925)	Potas- sium, water, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Chlor- ide pt, lab, mg/L as CaCO ₃ (90410)	Fluor- ide, water, fltrd, mg/L (00950)							
Nov 16...	14	3.23	1.46	2.22	5.83	5	9.51	<.10	7.2	3.75	37	96	2	
Feb 21...	--	--	--	--	--	--	--	--	--	--	--	--	--	
21...	20	4.28	2.18	1.65	24.3	5	42.7	E.05	7.1	6.42	97	97	2	
May 07...	17	3.83	1.69	1.78	10.9	7	17.7	<.10	3.0	4.88	51	84	4	
Aug 08...	20	4.65	2.15	2.21	13.9	15	19.8	<.10	4.8	5.79	66	91	6	

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 5

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

Date	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Nitrate Ammonia water, fltrd, mg/L as N (00608)	Partic- ulate nitro- gen, susp., water, mg/L (00631)	Total nitro- gen, water, fltrd, mg/L (49570)	Total nitro- gen, water, unfltrd mg/L (00602)	Ortho- phosphate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Phos- phorus, water, unfltrd mg/L (00665)	Total carbon, suspnd sedimnt mg/L (00694)	Inor- ganic carbon, suspnd sedimnt mg/L (00688)	Organic carbon, suspnd sedimnt mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	
Nov 16...	.89	.038	.10	.03	.99	1.0	<.010	.027	.034	.4	<.1	.4	25.8
Feb 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
21...	.74	.059	1.08	.03	1.8	1.9	<.010	E.005	.010	.2	<.1	.2	4.3
May 07...	.73	.059	.58	.07	1.3	1.4	<.010	.015	.028	.8	<.1	.8	14.5
Aug 08...	.43	.106	.77	.14	1.2	1.3	<.010	.013	.037	1.2	<.1	1.2	4.6

01411458 LITTLE EASE RUN AT PORCHTOWN, NJ—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
 Part 4 of 5
 [Remark codes: <, less than; E, estimated.]

Date	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)	Arsenic recoverable, µg/L (01007)	Barium, water, unfltrd	Beryllium, water, unfltrd	Boron, water, unfltrd	Boron, water, recoverable, µg/L (01020)	Cadmium water, unfltrd µg/L (01022)	Chromium, water, unfltrd µg/L (01027)	Copper, water, unfltrd µg/L (01034)	Copper, water, recoverable, µg/L (01040)	Iron, water, unfltrd recoverable, µg/L (01042)	Lead, water, unfltrd recoverable, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recoverable, µg/L (01051)
Nov															
16...	--	--	--	--	22	--	--	--	--	--	--	--	--	--	--
Feb															
21...	<.12	--	--	--	--	--	--	--	<.40	--	--	--	<.12	--	--
21...	.32	.45	43.8	<.06	14	13	.08	<.60	--	<1.2	447	--	--	.42	
May															
07...	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--
Aug															
08...	1.2	1.4	41.6	E.03	35	29	.05	E.30	--	<1.2	2,000	--	1.59		

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
 Part 5 of 5
 [Remark codes: <, less than; E, estimated.]

Date	Manganese, water, unfltrd recoverable, µg/L (01055)	Mercury water, fltrd, µg/L (71890)	Mercury water, unfltrd recoverable, µg/L (71900)	Nickel, water, fltrd, µg/L (01065)	Nickel, water, unfltrd recoverable, µg/L (01067)	Selenium, water, unfltrd µg/L (01147)	Silver, water, unfltrd recoverable, µg/L (01077)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recoverable, µg/L (01092)
Nov									
16...	--	--	--	--	--	--	--	--	--
Feb									
21...	--	<.010	--	<.06	--	--	--	<.60	--
21...	33.5	--	.015	--	1.02	E.05	<.02	--	10
May									
07...	--	--	--	--	--	--	--	--	--
Aug									
08...	36.1	--	.013	--	1.1	.09	<.02	--	4.0