03039410 QUEMAHONING CREEK AT ENOCH NEAR QUECREEK, PA

Allegheny Basin
Conemaugh Subbasin

LOCATION.--Lat 40°04′42″, long 79°06′07″ referenced to North American Datum of 1927, Somerset County, PA, Hydrologic Unit 05010007.

DRAINAGE AREA.--6.71 mi^2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2005 to current year.

REMARKS.--Analysis for pH, water temperature, specific conductance, and dissolved oxygen is performed on site. All other sample analyses were performed at the Pennsylvania Department of Environmental Protection laboratory in Harrisburg, Pa.

COOPERATION.--Water-quality samples were collected as part of the Pennsylvania Department of Environmental Protection Water-Quality Network (WQN) with cooperation from the Pennsylvania Department of Environmental Protection.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 1 of 4

[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Time	Instan-taneous dis-charge, cfs (00061)	Press-ure, osmotic water, unfltrd mosm/kg (82550)	Dis-solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc-tance, wat unf lab, µS/cm 25 degC (90095)	Specif-ic conduc-tance, wat unf µS/cm 25 degC (00095)	Temper-ature, water, deg C (00010)	Hard-ness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover-able, mg/L (00916)	Magnes-ium, water, fltrd, mg/L (00925)
Oct													
24...	0845	6.2	4.0	10.9	6.9	7.5	287	290	5.5	73	20.0	21.1	4.61
Nov													
15...	0800	7.5	5.0	10.4	7.2	7.3	253	253	7.5	64	18.1	18.8	4.05
Dec													
07...	0800	2.7	6.0	12.1	7.3	7.5	323	316	1.4	84	24.1	24.2	5.88
Jan													
09...	1400	28	5.0	11.4	6.9	7.4	209	192	4.5	49	13.9	14.1	3.22
Mar													
27...	1015	46	--	9.2	7.4	--	--	228	10.4	--	--	--	--
Apr													
26...	0830	12	6.0	10.3	6.6	7.4	309	322	9.4	59	16.1	16.6	4.02
May													
22...	1400	1.8	8.0	10.4	8.1	7.9	414	411	13.8	97	26.6	27.6	6.47
Jun													
06...	1215	1.9	10	8.4	8.0	7.7	517	471	15.2	120	32.2	34.0	7.61
Jul													
25...	1245	.27	10	6.7	7.8	7.8	613	659	17.4	150	40.6	41.8	10.2
Aug													
22...	1215	--	1.0	7.8	7.0	7.4	195	190	17.3	49	15.0	14.3	3.10
Sep													
24...	1200	.43	9.0	8.4	7.8	7.8	535	545	13.9	130	37.6	37.1	9.61

03039410 QUEMAHONING CREEK AT ENOCH NEAR QUECREEK, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
Part 2 of 4
[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (00417)	Chlor-ide, water, fltrd, mg/L (00940)	Fluor-ide, water, unfltrd mg/L (00951)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 105degC wat flt mg/L (00515)	Residue total non-filter-able, mg/L (00530)	Ammonia water, unfltrd mg/L as N (00610)	Nitrate water unfltrd mg/L as N (00620)	Nitrite water, unfltrd mg/L as N (00615)	Total nitro-gen, water, unfltrd mg/L (00600)	Ortho-phos-phate, water, unfltrd mg/L as P (70507)	Phos-phorus, water, unfltrd mg/L (00665)
Oct													
24...	4.9	35	49.0	<.2	16.2	178	<2	<.020	2.18	<.040	2.4	.03	.024
Nov													
15...	4.2	29	42.4	<.2	15.5	128	<2	<.020	2.15	<.040	2.3	.02	.023
Dec													
07...	5.7	37	58.7	<.2	15.6	262	12	.020	2.00	<.040	2.1	.02	.013
Jan													
09...	3.3	22	34.2	<.2	14.9	132	26	<.020	2.05	<.040	2.2	<.01	.027
Mar													
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Apr													
26...	4.1	28	62.4	<.2	15.0	204	<2	.030	1.52	<.040	1.7	.02	.018
May													
22...	6.8	47	92.0	<.2	14.1	256	4	.040	.92	<.040	1.2	.04	.032
Jun													
06...	8.1	57	126	<.2	14.1	306	16	.120	.80	<.040	1.1	.02	.023
Jul													
25...	10.5	69	159	<.2	13.7	402	4	.060	.29	<.040	.47	.04	.027
Aug													
22...	3.1	30	27.7	<.2	14.8	166	4	.040	1.21	<.040	1.8	.03	.073
Sep													
24...	9.6	63	121	<.2	14.1	404	16	.030	.54	<.040	.79	.02	.017

03039410 QUEMAHONING CREEK AT ENOCH NEAR QUECREEK, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
Part 3 of 4
[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Organic carbon, water, unfltrd mg/L (00680)	BOD, water, unfltrd 5 day, 20 degC mg/L (00310)	Fecal coli-form, M-FC 0.45uMF col/ 100 mL (31616)	Alum-inum, water, fltrd, µg/L (01106)	Alum-inum, water, unfltrd recover -able, µg/L (01105)	Barium, water, unfltrd recover -able, µg/L (01007)	Cadmium water, fltrd, µg/L (01025)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover -able, µg/L (01042)	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover -able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)
Oct													
24...	2.4	.7	400	<10	300	M	<.20	<4	<4	20	510	<1.0	<1.0
Nov													
15...	1.8	2.3	460	<10	400	M	<.20	<4	<4	<20	610	<1.0	<1.0
Dec													
07...	1.4	1.0	700	<10	100	M	<.20	<4	<4	<20	250	<1.0	<1.0
Jan													
09...	2.1	1.2	260	<10	700	M	<.20	<4	<4	20	940	<1.0	<1.0
Mar													
27...	--	--	--	--	--	--	--	--	--	--	--	--	--
Apr													
26...	1.8	.9	220	<10	300	M	<.20	<4	<4	20	410	<1.0	<1.0
May													
22...	2.1	.7	550	<10	400	M	<.20	<4	<4	20	620	<1.0	<1.0
Jun													
06...	2.5	.5	1,200	<10	200	M	<.20	<4	<4	<20	590	<1.0	<1.0
Jul													
25...	--	.6	680	<10	400	M	<.20	<4	<4	<20	850	<1.0	<1.0
Aug													
22...	6.4	1.2	2,800	22	1,100	M	<.20	<4	<4	80	1,470	<1.0	M
Sep													
24...	2.3	1.5	620	<10	200	M	<.20	<4	<4	<20	410	<1.0	<1.0

03039410 QUEMAHONING CREEK AT ENOCH NEAR QUECREEK, PA—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007
Part 4 of 4
[Remark codes: <, less than; M, presence verified but not quantified.]

Date	Manganese, water, fltrd, µg/L (01056)	Manganese, water, unfltrd recoverable, µg/L (01055)	Nickel, water, fltrd, µg/L (01065)	Nickel, water, unfltrd recoverable, µg/L (01067)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recoverable, µg/L (01092)	Phenolic compounds, water, unfltrd µg/L (32730)
Oct							
24...	30	40	<4.0	<4.0	<5.0	<5.0	<5
Nov							
15...	30	40	<4.0	<4.0	<5.0	<5.0	<5
Dec							
07...	30	40	<4.0	<4.0	<5.0	<5.0	<5
Jan							
09...	20	40	<4.0	<4.0	<5.0	<5.0	<5
Mar							
27...	--	--	--	--	--	--	--
Apr							
26...	40	40	<4.0	<4.0	<5.0	<5.0	<5
May							
22...	60	80	<4.0	<4.0	<5.0	<5.0	<5
Jun							
06...	100	110	<4.0	<4.0	<5.0	<5.0	<5
Jul							
25...	90	100	<4.0	<4.0	--	--	<5
Aug							
22...	20	50	<4.0	<4.0	<5.0	M	7
Sep							
24...	30	40	<4.0	<4.0	<5.0	<5.0	<5