

Wadesville Mine Water Data - Daily Log Summary

(Mine Pool Level = Distance from Ground Level to Water Surface)

Date	Daily Flow (MG)	Spec. Cond. (µmhos/cm)	Mine Pool Level (Ft)
5/15/2005			
5/16/2005	6.13	1050	432.4
5/17/2005	7.37	1454	431.3
5/18/2005	7.70	1522	430.9
5/19/2005	7.39	1554	430.9
5/20/2005	8.36	1616	430.9
5/21/2005	8.23	1619	431.2
5/22/2005	6.05	1607	431.4
5/23/2005	7.75	1602	431.6
5/24/2005	7.98	1614	432.1
5/25/2005	4.05	1639	432.8
5/26/2005	4.10	1627	433.3
5/27/2005	4.92	1616	434.1
5/28/2005	4.39	1614	434.9
5/29/2005	4.14	1604	435.8
5/30/2005	* 4.10	1603	436.7
5/31/2005	* 4.10	1612	437.3
6/1/2005	* 4.10	1589	439.8
6/2/2005	3.65	1530	441.6
6/3/2005	4.10	1489	443.2
6/4/2005	4.10	1436	445.0
6/5/2005	4.10	1413	446.8
6/6/2005	2.05	1396	447.9
6/7/2005	3.93	1204	445.6
6/8/2005	4.00	1382	448.6
6/9/2005	3.63	1351	449.1
6/10/2005	4.91	1385	449.9
6/11/2005	3.86	1425	451.8
6/12/2005	3.52	1435	453.7
6/13/2005	4.23	1384	453.9
6/14/2005	7.81	1373	455.8
6/15/2005	8.31	1352	457.6
6/16/2005	8.12	1328	458.8
6/17/2005	9.27	1317	460.7
6/18/2005	9.12	1300	
6/19/2005	5.68	1286	464.7
6/20/2005	8.08	1295	465.5
6/21/2005	7.99	1274	467.1
6/22/2005	8.07	1275	468.8
6/23/2005	11.14	1246	470.9
6/24/2005	14.01	1277	477.3
6/25/2005	7.36	1253	484.1
6/26/2005	8.56	1232	484.0
6/27/2005	8.20	1277	485.2
6/28/2005	8.20	1293	490.8
6/29/2005	8.20	1222	491.4
6/30/2005	5.83	1217	492.4
7/1/2005	2.64	1236	493.5
7/2/2005	A 0.00		

Date	Daily Flow (MG)	Spec. Cond. (μ mhos/cm)	Mine Pool Level (Ft)
7/3/2005	A 0.00		
7/4/2005	A 0.00		
7/5/2005	A 0.00		
7/6/2005	A 0.00		485.03
7/7/2005	A 0.00		483.56
7/8/2005	A 0.00		481.93
7/9/2005	A 0.00		
7/10/2005	A 0.00		
7/11/2005	A 0.00		
7/12/2005	A 0.00		
7/13/2005	A 0.00		
7/14/2005	A 0.00		468.3
7/15/2005	A 0.00		
7/16/2005	A 0.00		
7/17/2005	A 0.00		
7/18/2005	A 0.00		
7/19/2005	A 0.00		462.2
7/20/2005	A 0.00		
7/21/2005	A 0.00		
7/22/2005	A 0.00		
7/23/2005	A 0.00		
7/24/2005	A 0.00		
7/25/2005	A 0.00		
7/26/2005	A 0.00		455.1
7/27/2005	5.75		
7/28/2005	7.75	1571	456.1
7/29/2005	9.83	1532	458.9
7/30/2005	7.73	1483	461.8
7/31/2005	5.87	1463	463.9
8/1/2005	7.85	1445	465.4
8/2/2005	10.37	1410	467.3
8/3/2005	8.17	1400	472.8
8/4/2005	8.08	1368	474.1
8/5/2005	9.98	1352	476.9
8/6/2005	7.71	1340	478.3
8/7/2005	5.93	1337	480.0
8/8/2005	7.61	1326	481.3
8/9/2005	7.43	1350	482.8
8/10/2005	8.03	1340	484.1
8/11/2005	7.93	1340	485.8
8/12/2005	10.09	1333	487.6
8/13/2005	7.28	1326	489.4
8/14/2005	5.95	1317	490.9
8/15/2005	7.96	1316	492.1
8/16/2005	7.43	1310	493.3
8/17/2005	7.90	1305	494.5
8/18/2005	7.72	1309	496.1
8/19/2005	9.58	1308	497.6
8/20/2005	7.87	1306	498.7
8/21/2005	5.62	1367	498.6
8/22/2005	7.74	1422	499.8
8/23/2005	7.66	1408	501.7
8/24/2005	7.67	1387	502.6
8/25/2005	7.69	1378	505.0

Date	Daily Flow (MG)	Spec. Cond. (μ mhos/cm)	Mine Pool Level (Ft)
8/26/2005	9.36	1370	505.9
8/27/2005	7.79	1384	507.8
8/28/2005	5.41	1428	509.6
8/29/2005	7.00	1425	511.0
8/30/2005	7.50	1390	512.8
8/31/2005	7.55	1348	514.9
9/1/2005	7.38	1351	517.5
9/2/2005	8.73	1327	520.0
9/3/2005	7.41	1317	524.0
9/4/2005	7.03	1307	525.0
9/5/2005	5.25	1315	527.0
9/6/2005	7.10	1303	528.5
9/7/2005	7.09	1304	530.6
9/8/2005	6.94	1296	532.5
9/9/2005	9.11	1291	534.5
9/10/2005	6.81	1274	537.1
9/11/2005	5.07	1289	538.8
9/12/2005	6.97	1283	540.1
9/13/2005	6.93	1257	542.0
9/14/2005	6.71	1220	543.9
9/15/2005	6.83	1289	545.6
9/16/2005	7.91	1285	547.6
9/17/2005	5.95	1298	549.8
9/18/2005	5.95	1307	551.6
9/19/2005	6.50	1312	553.6
9/20/2005	6.50	1313	555.6
9/21/2005	6.41	1314	557.6
9/22/2005	6.35	1318	559.6
9/23/2005	7.61	1312	561.7
9/24/2005	6.89	1335	564.2
9/25/2005	4.60	1344	566.2
9/26/2005	6.31	1347	567.3
9/27/2005	6.17	1354	568.4
9/28/2005	6.32	1358	570.2
9/29/2005	6.10	1365	571.8
9/30/2005	7.45	1365	573.3
10/1/2005	6.08	1434	575.4
10/2/2005	4.96	1441	577.1
10/3/2005	6.36	1449	578.6
10/4/2005	6.26	1450	580.2
10/5/2005	6.11	1461	582.0
10/6/2005	6.19	1475	583.8
10/7/2005	6.90	1482	585.5
10/8/2005	6.13	1438	586.6
10/9/2005	4.59	1512	588.8
10/10/2005	6.15	1520	590.3
10/11/2005	5.99	1545	592.4
10/12/2005	6.02	1557	594.6
10/13/2005	6.04	1561	596.66
10/14/2005	A	1573	598.59
10/15/2005	A		
10/16/2005	A		
10/17/2005	A		590.8
10/18/2005	A		

Date	Daily Flow (MG)	Spec. Cond. (μmhos/cm)	Mine Pool Level (Ft)
10/19/2005	A		
10/20/2005	A		
10/21/2005	A		584.9
10/22/2005	A		
10/23/2005	A		
10/24/2005	A		
10/25/2005	A		
10/26/2005	A		
10/27/2005	A		
10/28/2005	A		
10/29/2005	A		
10/30/2005	A		
10/31/2005	A		
11/1/2005	A		
11/2/2005	A		
11/3/2005	A		
11/4/2005	A		
11/5/2005	A		
11/6/2005	A		
11/7/2005	B		

* = Estimated readings
- = Equipment failure
A = Release stopped
B = Demo Completed

**Tabulation of Tamaqua Water Authority Data - Daily Log Summary
for Still Creek Reservoir**

(Reservoir Surface Level = Elevation above Mean Sea Level)

Date		Totalized Flow (Million Gallons)	Reservoir Release, Daily Flow (MG)	Weekly Dissolved Oxygen (mg/l)	Reservoir Surface Level (ft)
4/14/2005	*	3071.4	0.0	-	1182.2
4/15/2005	*	3074.6	3.2	-	1182.2
4/16/2005	*	3079.6	5.0	-	1182.1
4/17/2005		3084.9	5.3	-	1182.1
4/18/2005		3089.6	4.7	-	1182.0
4/19/2005		3094.6	5.0	-	1182.0
4/20/2005		3099.8	5.2	10.8	1182.1
4/21/2005		3104.7	4.9	-	1182.1
4/22/2005		3109.7	5.0	-	1182.2
4/23/2005	A	3109.7	0.0	-	-
4/24/2005	A	3109.7	0.0	-	-
4/25/2005	A	3109.7	0.0	-	-
4/26/2005	A	3109.7	0.0	-	-
4/27/2005	A	3109.7	0.0	-	-
4/28/2005	A	3109.7	0.0	-	-
4/29/2005	A	3109.7	0.0	-	-
4/30/2005	A	3109.7	0.0	-	-
5/1/2005	A	3109.7	0.0	-	-
5/2/2005	A	3109.7	0.0	-	-
5/3/2005	A	3109.7	0.0	-	-
5/4/2005	A	3109.7	0.0	-	-
5/5/2005	A	3109.7	0.0	-	-
5/6/2005	A	3109.7	0.0	-	-
5/7/2005	A	3109.7	0.0	-	-
5/8/2005		3109.7	0.0	-	1182.1
5/9/2005		3115.7	6.0	-	1182.0
5/10/2005		3121.8	6.1	-	1182.0
5/11/2005		3127.8	6.0	-	1182.0
5/12/2005		3133.9	6.1	9.6	1182.0
5/13/2005		3139.6	5.7	-	1182.0
5/14/2005		3145.5	5.9	-	1182.0
5/15/2005		3151.8	6.3	-	1182.0
5/16/2005		3157.6	5.8	-	1182.0
5/17/2005		3163.9	6.3	-	1182.0
5/18/2005		3169.9	6.0	-	1181.9
5/19/2005		3176.0	6.1	-	1181.9
5/20/2005		3177.7	1.7	9.6	1181.9
5/21/2005		3180.1	2.4	-	1182.0
5/22/2005		3182.6	2.5	-	1182.1
5/23/2005		3184.8	2.2	-	1182.0
5/24/2005		3187.1	2.3	-	1181.9
5/25/2005		3189.2	2.1	-	1181.8

Date	Totalized Flow (Million Gallons)	Reservoir Release, Daily Flow (MG)	Weekly Dissolved Oxygen (mg/l)	Reservoir Surface Level (ft)
5/26/2005	3191.4	2.2	-	1181.8
5/27/2005	3193.3	1.9	9.2	1181.8
5/28/2005	3195.4	2.1	-	1181.8
5/29/2005	3197.3	1.9	-	1181.9
5/30/2005	3199.7	2.4	-	1182.0
5/31/2005	3201.8	2.1	-	1182.0
6/1/2005	3203.9	2.1	-	1181.9
6/2/2005 A	3206.0	2.1	-	1181.9
6/3/2005 A	3206.0	0.0	-	1181.9
6/4/2005 A	3206.0	0.0	-	-
6/5/2005 A	3206.0	0.0	-	-
6/6/2005 A	3206.0	0.0	-	-
6/7/2005 A	3206.0	0.0	-	-
6/8/2005 A	3206.0	0.0	-	-
6/9/2005 A	3206.0	0.0	-	-
6/10/2005 A	3206.0	0.0	-	-
6/11/2005 A	3206.0	0.0	-	-
6/12/2005 A	3206.0	0.0	-	-
6/13/2005 A	3206.0	0.0	-	-
6/14/2005 A	3206.0	0.0	-	-
6/15/2005 A	3206.0	0.0	-	-
6/16/2005 A	3206.0	0.0	-	-
6/17/2005	3206.0	0.0	-	-
6/18/2005	3227.7	21.7	-	1182.0
6/19/2005	3250.2	22.5	-	1181.9
6/20/2005 A	3250.2	0.0	-	1181.8
6/21/2005	3250.2	0.0	-	-
6/22/2005	3267.8	17.6	-	1181.6
6/23/2005	3294.5	26.7	-	1181.6
6/24/2005	3315.7	21.2	6.4	1181.3
6/25/2005	3340.4	24.7	-	1181.2
6/26/2005	3366.8	26.4	-	1181.0
6/27/2005	3390.9	24.1	-	1180.8
6/28/2005	3400.9	10.0	-	1180.5
6/29/2005	3402.6	1.7	-	1180.0
6/30/2005 A	3402.6	0.0	-	1180.0
7/1/2005 A	3402.6	0.0	-	-
7/2/2005 A	3402.6	0.0	-	-
7/3/2005 A	3402.6	0.0	-	-
7/4/2005 A	3402.6	0.0	-	-
7/5/2005 A	3402.6	0.0	-	-
7/6/2005 A	3402.6	0.0	-	-
7/7/2005 A	3402.6	0.0	-	-
7/8/2005 A	3402.6	0.0	-	-
7/9/2005 A	3402.6	0.0	-	-
7/10/2005 A	3402.6	0.0	-	-

Date	Totalized Flow (Million Gallons)	Reservoir Release, Daily Flow (MG)	Weekly Dissolved Oxygen (mg/l)	Reservoir Surface Level (ft)
7/11/2005 A	3402.6	0.0	-	-
7/12/2005 A	3402.6	0.0	-	-
7/13/2005 A	3402.6	0.0	-	-
7/14/2005 A	3402.6	0.0	-	-
7/15/2005 A	3402.6	0.0	-	-
7/16/2005 A	3402.6	0.0	-	-
7/17/2005 A	3402.6	0.0	-	-
7/18/2005 A	3402.6	0.0	-	-
7/19/2005 A	3402.6	0.0	-	-
7/20/2005 A	3402.6	0.0	-	-
7/21/2005 A	3402.6	0.0	-	-
7/22/2005 A	3402.6	0.0	-	-
7/23/2005 A	3402.6	0.0	-	-
7/24/2005 A	3402.6	0.0	-	-
7/25/2005 A	3402.6	0.0	-	-
7/26/2005 A	3402.6	0.0	-	-
7/27/2005 A	3402.6	0.0	-	-
7/28/2005 A	3402.6	0.0	-	-
7/29/2005 A	3402.6	0.0	-	-
7/30/2005 A	3402.6	0.0	-	-
7/31/2005 A	3402.6	0.0	-	-
8/1/2005	3413.3	10.7	-	-
8/2/2005	3438.0	24.7	-	1180.6
8/3/2005	3464.1	26.1	-	1180.3
8/4/2005	3490.0	25.9	-	1180.0
8/5/2005	3512.8	22.8	8.5	1179.8
8/6/2005	3538.7	25.9	-	1179.5
8/7/2005	3562.3	23.6	-	1179.3
8/8/2005	3571.4	9.1	-	1179.1
8/9/2005	3581.2	9.8	-	1179.2
8/10/2005	3590.9	9.7	-	1179.1
8/11/2005	3600.8	9.9	-	1179.0
8/12/2005	3609.7	8.9	8.1	1178.9
8/13/2005	3619.8	10.1	-	1178.8
8/14/2005	3630.3	10.5	-	1178.7
8/15/2005	3640.2	9.9	-	1178.6
8/16/2005	3649.9	9.7	-	1178.5
8/17/2005	3660	10.1	-	1178.4
8/18/2005	3669.5	9.5	-	1178.3
8/19/2005	3679.4	9.9	8.0	1178.2
8/20/2005	3688.9	9.5	-	1178.1
8/21/2005	3699.3	10.4	-	1178.0
8/22/2005	3705.0	5.7	-	1177.9
8/23/2005	3710.1	5.1	-	1177.8
8/24/2005	3715.2	5.1	-	1177.7
8/25/2005	3720.4	5.2	-	1177.7

Date	Totalized Flow (Million Gallons)	Reservoir Release, Daily Flow (MG)	Weekly Dissolved Oxygen (mg/l)	Reservoir Surface Level (ft)
8/26/2005	3725.4	5.0	8.4	1177.6
8/27/2005	3734.7	9.3	-	1177.5
8/28/2005	3743.5	8.8	-	1177.4
8/29/2005	3752.4	8.9	-	1177.4
8/30/2005	3757.2	4.8	-	1177.4
8/31/2005	3762.3	5.1	-	1177.3
9/1/2005	3767.3	5.0	-	1177.3
9/2/2005	3772.0	4.7	8.2	1177.2
9/3/2005	3777.0	5.0	-	1177.2
9/4/2005	3782.2	5.2	-	1177.1
9/5/2005	3787.4	5.2	-	1177.0
9/6/2005	3792.4	5.0	-	1176.9
9/7/2005	3800.0	7.6	-	1176.9
9/8/2005	3808.0	8.0	-	1176.9
9/9/2005	3815.9	7.9	8.0	1176.7
9/10/2005	3823.8	7.9	-	1176.7
9/11/2005	3831.6	7.8	-	1176.6
9/12/2005	3839.5	7.9	-	1176.4
9/13/2005	3847.4	7.9	-	1176.3
9/14/2005	3855.6	8.2	-	1176.2
9/15/2005	3863.4	7.8	-	1176.1
9/16/2005	3870.6	7.2	8.1	1176.1
9/17/2005	3878.6	8.0	-	1176.0
9/18/2005	3886.8	8.2	-	1175.9
9/19/2005	3894.6	7.8	-	1175.8
9/20/2005	3902.9	8.3	-	1175.7
9/21/2005	3910.1	7.2	-	1175.6
9/22/2005	3917.8	7.7	-	1175.5
9/23/2005	3927.5	9.7	8.3	1175.4
9/24/2005	3937.4	9.9	-	1175.3
9/25/2005	3947.6	10.2	-	1175.2
9/26/2005	3957.5	9.9	-	1175.0
9/27/2005	3967.4	9.9	-	1174.9
9/28/2005	3977.6	10.2	-	1174.8
9/29/2005	3987.4	9.8	-	1174.6
9/30/2005 A	3987.4	0.0	-	-
10/1/2005	3987.4	0.0	-	-
10/2/2005	3987.4	0.0	-	-
10/3/2005	3987.4	0.0	-	-
10/4/2005	3987.4	0.0	-	-
10/5/2005	3987.4	0.0	-	-
10/6/2005	3987.4	0.0	-	-
10/7/2005	3987.4	0.0	-	-
10/8/2005	3987.4	0.0	-	-
10/9/2005	3987.4	0.0	-	-
10/10/2005	3987.4	0.0	-	-

Date	Totalized Flow (Million Gallons)	Reservoir Release, Daily Flow (MG)	Weekly Dissolved Oxygen (mg/l)	Reservoir Surface Level (ft)
10/11/2005	3987.4	0.0	-	-
10/12/2005	3987.4	0.0	-	-
10/13/2005	3987.4	0.0	-	-
10/14/2005	3987.4	0.0	-	-
10/15/2005	3987.4	0.0	-	-
10/16/2005	3987.4	0.0	-	-
10/17/2005	3987.4	0.0	-	-
10/18/2005	3987.4	0.0	-	-
10/19/2005	3987.4	0.0	-	-
10/20/2005	3987.4	0.0	-	-
10/21/2005	3987.4	0.0	-	-
10/22/2005	3987.4	0.0	-	-
10/23/2005	3987.4	0.0	-	-
10/24/2005	3987.4	0.0	-	-
10/25/2005	3987.4	0.0	-	-
10/26/2005	3987.4	0.0	-	-
10/27/2005	3987.4	0.0	-	-
10/28/2005	3987.4	0.0	-	-
10/29/2005	3987.4	0.0	-	-
10/30/2005	3987.4	0.0	-	-
10/31/2005	3987.4	0.0	-	-
11/1/2005	3987.4	0.0	-	-
11/2/2005	3987.4	0.0	-	-
11/3/2005	3987.4	0.0	-	1176.9
11/4/2005	3992.0	4.6	-	1176.9
11/5/2005 A				
11/6/2005 A				
11/7/2005 B				

A - Release Stopped
 *- Estimated Readings
 B - Demo Completed

Provisional 2005 Data Subject To Change By USGS
Tabulation of Schuylkill River Daily Average Flows at four USGS gages
and Rainfall Accumulation at Landingville, PA

Date	Avg. Flow (cu. ft./ sec.)				Rainfall (in.) Landingville	DO (mg/l)	
	Landingville	Berne	Reading	Pottstown		Vincent Dam	
						Max	Min
4/15/2005	359	872	2130	2970	0.00	9.8	9.3
4/16/2005	338	813	1950	2680	0.00	10.9	9.6
4/17/2005	318	765	1870	2570	0.00	10.6	9.5
4/18/2005	302	719	1750	2460	0.00	11.4	9.4
4/19/2005	288	676	1630	2300	0.00	9.5	9.5
4/20/2005	279	641	1490	2130	0.00	Eqp	Eqp
4/21/2005	260	602	1440	2040	0.00	Eqp	Eqp
4/22/2005	251	570	1390	1960	0.09	Eqp	Eqp
4/23/2005	298	649	1640	2400	0.73	Eqp	Eqp
4/24/2005	342	892	2140	3190	0.02	Eqp	Eqp
4/25/2005	263	663	1720	2570	0.00	Eqp	Eqp
4/26/2005	242	593	1560	2170	0.00	Eqp	Eqp
4/27/2005	248	624	1570	2120	0.28	Eqp	Eqp
4/28/2005	218	573	1560	2160	0.00	Eqp	Eqp
4/29/2005	207	537	1400	1960	0.00	Eqp	Eqp
4/30/2005	237	558	1370	1920	0.30	Eqp	Eqp
5/1/2005	241	627	1510	2070	0.01	Eqp	Eqp
5/2/2005	222	549	1390	1940	0.02	Eqp	Eqp
5/3/2005	217	531	1330	1840	0.00	Eqp	Eqp
5/4/2005	208	514	1240	1750	0.00	Eqp	Eqp
5/5/2005	203	497	1180	1640	0.00	Eqp	Eqp
5/6/2005	198	487	1150	1610	0.00	Eqp	Eqp
5/7/2005	192	475	1130	1590	0.00	Eqp	Eqp
5/8/2005	186	459	1110	1550	0.00	Eqp	Eqp
5/9/2005	179	440	1040	1500	0.00	Eqp	Eqp
5/10/2005	165	423	980	1430	0.00	Eqp	Eqp
5/11/2005	156	408	923	1370	0.00	Eqp	Eqp
5/12/2005	152	394	898	1320	0.00	Eqp	Eqp
5/13/2005	147	373	852	1280	0.00	Eqp	Eqp
5/14/2005	156	368	826	1240	0.52	Eqp	Eqp
5/15/2005	268	576	1000	1250	0.02	Eqp	Eqp
5/16/2005	161	429	1020	1500	0.01	Eqp	Eqp
5/17/2005	148	378	895	1310	0.00	Eqp	Eqp
5/18/2005	142	360	847	1230	0.00	Eqp	Eqp
5/19/2005	138	348	807	1180	0.00	8.4	7.9
5/20/2005	169	383	821	1220	0.53	7.9	7.4
5/21/2005	152	407	894	1300	0.00	8.2	7.4
5/22/2005	139	350	771	1200	0.01	8.1	7.5
5/23/2005	136	335	743	1110	0.00	8.1	7.3
5/24/2005	135	329	774	1140	0.03	8	7
5/25/2005	131	326	769	1130	0.02	8.1	7.1
5/26/2005	126	316	759	1130	0.00	8.6	7.4

EXELON NUCLEAR

Date	Avg. Flow (cu. ft./ sec.)				Rainfall (in.)	DO (mg/l)	
	Landingville	Berne	Reading	Pottstown		Vincent Dam	
						Max	Min
5/27/2005	122	304	701	1100	0.00	8.3	7.7
5/28/2005	144	310	653	989	0.57	7.7	7.4
5/29/2005	144	398	794	1100	0.09	Eqp	Eqp
5/30/2005	128	320	713	1110	0.00	Eqp	Eqp
5/31/2005	122	299	696	1000	0.00	8.1	8.0
6/1/2005	117	280	732	1060	0.00	8.8	7.2
6/2/2005	115	268	657	1010	0.00	8.6	6.7
6/3/2005	125	269	615	962	0.39	7.9	6.8
6/4/2005	140	330	688	1060	0.12	8.2	6.4
6/5/2005	118	297	692	1060	0.00	8.5	6.7
6/6/2005	134	267	776	1080	0.40	8.1	6.3
6/7/2005	195	414	961	1500	0.00	6.3	4.8
6/8/2005	139	325	794	1210	0.00	7.7	5.5
6/9/2005	127	295	701	1010	0.00	7.3	5.6
6/10/2005	129	312	691	1040	0.12	6.9	5.2
6/11/2005	121	296	638	959	0.17	6.7	4.8
6/12/2005	116	285	621	924	0.00	7.0	4.9
6/13/2005	111	263	607	894	0.00	7.1	5.0
6/14/2005	103	252	590	891	0.00	7.2	4.9
6/15/2005	99	240	543	839	0.05	7.3	5.0
6/16/2005	97	240	539	785	0.13	7.5	5.2
6/17/2005	97	248	506	805	0.03	8.2	5.7
6/18/2005	94	237	473	742	0.00	8.6	6.2
6/19/2005	89	249	468	724	0.00	8.8	6.4
6/20/2005	87	251	476	736	0.00	Eqp	Eqp
6/21/2005	87	227	458	718	0.00	Eqp	Eqp
6/22/2005	84	211	426	680	0.00	Eqp	Eqp
6/23/2005	83	215	411	647	0.00	Eqp	Eqp
6/24/2005	89	238	416	642	0.00	Eqp	Eqp
6/25/2005	84	239	384	615	0.00	Eqp	Eqp
6/26/2005	79	229	375	599	0.00	Eqp	Eqp
6/27/2005	81	223	375	591	0.00	Eqp	Eqp
6/28/2005	83	230	402	628	0.00	10.0	5.3
6/29/2005	122	215	Eqp	659	0.56	8.8	5.0
6/30/2005	131	335	Eqp	822	0.00	8.2	4.9
7/1/2005	87	223	479	803	0.74	7.1	5.0
7/2/2005	106	263	459	668	0.00	7.7	5.1
7/3/2005	76	200	453	720	0.00	7.9	5.0
7/4/2005	73	183	387	614	0.00	8.0	5.5
7/5/2005	78	186	419	785	0.85	7.0	5.5
7/6/2005	136	334	646	1070	0.03	6.7	5.5
7/7/2005	167	249	681	1090	0.03	Eqp	Eqp
7/8/2005	497	770	1470	2330	1.28	Eqp	Eqp
7/9/2005	265	601	1890	2530	0.02	Eqp	Eqp
7/10/2005	188	381	1170	1760	0.00	Eqp	Eqp
7/11/2005	150	305	657	1040	0.04	Eqp	Eqp
7/12/2005	133	264	567	891	0.00	Eqp	Eqp
7/13/2005	142	283	Eqp	871	0.01	Eqp	Eqp

EXELON NUCLEAR

Date	Avg. Flow (cu. ft./ sec.)				Rainfall (in.)	DO (mg/l)	
	Landingville	Berne	Reading	Pottstown		Vincent Dam	
						Max	Min
7/14/2005	155	351	Eqp	1530	0.01	Eqp	Eqp
7/15/2005	140	311	705	1110	1.17	Eqp	Eqp
7/16/2005	159	337	878	1240	0.68	6.9	5.9
7/17/2005	190	428	Eqp	1520	0.38	6.7	6.1
7/18/2005	184	394	Eqp	2110	0.01	Eqp	Eqp
7/19/2005	149	346	1590	2120	0.00	Eqp	Eqp
7/20/2005	131	296	1140	1540	0.00	Eqp	Eqp
7/21/2005	120	267	845	1250	0.00	Eqp	Eqp
7/22/2005	114	251	647	974	0.00	8.1	6.3
7/23/2005	108	238	576	873	0.00	8.3	6.2
7/24/2005	101	223	549	829	0.00	8.8	6.6
7/25/2005	130	262	575	864	0.51	9.1	6.7
7/26/2005	101	245	571	855	0.05	9.2	6.4
7/27/2005	110	224	Eqp	834	0.23	9.0	6.2
7/28/2005	106	239	Eqp	994	0.00	8.5	5.5
7/29/2005	97	212	583	756	0.00	9.1	5.8
7/30/2005	93	201	539	668	0.00	9.2	6.4
7/31/2005	91	194	518	631	0.00	9.2	6.4
8/1/2005	88	189	495	604	0.00	8.6	5.6
8/2/2005	85	187	480	570	0.00	8.3	5.6
8/3/2005	87	203	483	561	0.00	7.9	5.6
8/4/2005	81	208	486	557	0.00	7.3	5.2
8/5/2005	78	200	490	556	0.00	8.2	4.9
8/6/2005	77	199	569	606	0.00	7.8	4.4
8/7/2005	77	203	567	649	0.04	8.4	6.3
8/8/2005	91	213	552	736	0.26	8.4	6.3
8/9/2005	111	279	600	716	0.02	7.5	5.5
8/10/2005	81	205	530	685	0.00	7.0	6.0
8/11/2005	90	189	490	587	0.56	7.3	5.6
8/12/2005	97	212	501	551	0.00	7.3	5.6
8/13/2005	83	180	495	579	0.00	7.5	5.2
8/14/2005	82	172	473	554	0.32	7.3	5.0
8/15/2005	82	169	473	556	0.00	6.6	4.8
8/16/2005	80	165	502	564	0.17	6.3	5.1
8/17/2005	79	168	500	609	0.00	6.9	5.4
8/18/2005	82	160	482	556	0.00	7.2	4.6
8/19/2005	108	168	478	577	0.50	6.5	5.4
8/20/2005	88	200	504	587	0.00	7.2	5.5
8/21/2005	82	166	474	576	0.00	7.2	5.6
8/22/2005	79	152	473	520	0.01	7.2	5.6
8/23/2005	78	140	514	549	0.00	7.5	5.6
8/24/2005	77	129	497	552	0.00	6.3	5.8
8/25/2005	76	126	489	529	0.00	8.1	4.3
8/26/2005	75	125	382	527	0.00	8.3	6.4
8/27/2005	75	129	405	563	0.00	8.0	6.2
8/28/2005	151	202	450	661	0.00	7.2	6.0
8/29/2005	93	256	542	758	0.00	8.1	5.7
8/30/2005	84	171	351	641	0.00	7.8	5.6

EXELON NUCLEAR

Date	Avg. Flow (cu. ft./ sec.)				Rainfall (in.)		DO (mg/l) Vincent Dam	
	Landingville	Berne	Reading	Pottstown	Landingville	Max	Min	
	8/31/2005	85	156	322	500	0.00	7.2	5.4
9/1/2005	80	153	310	471	0.00	7.4	5.3	
9/2/2005	78	140	304	443	0.00	7.8	5.3	
9/3/2005	76	132	296	429	0.00	8.1	5.2	
9/4/2005	75	127	290	417	0.00	7.7	5.3	
9/5/2005	76	122	290	404	0.00	7.8	5.3	
9/6/2005	75	122	311	401	0.00	9.7	7.2	
9/7/2005	74	117	376	473	0.00	9.9	7.1	
9/8/2005	73	117	357	497	0.00	10.3	7.2	
9/9/2005	72	118	355	477	0.00	9.9	7.2	
9/10/2005	71	117	351	473	0.00	10.1	7.3	
9/11/2005	71	113	390	471	0.00	10.1	7.2	
9/12/2005	71	113	416	569	0.00	9.8	7.3	
9/13/2005	71	113	343	481	0.00	9.7	7.0	
9/14/2005	71	114	371	478	0.00	9.7	6.5	
9/15/2005	70	118	361	629	0.00	8.3	5.7	
9/16/2005	77	120	273	451	0.00	9.3	5.5	
9/17/2005	86	155	287	423	0.00	7.9	5.3	
9/18/2005	71	127	298	432	0.00	8.3	5.2	
9/19/2005	70	115	271	397	0.00	9.2	5.8	
9/20/2005	69	112	289	368	0.00	8.9	5.9	
9/21/2005	68	110	360	443	0.00	8.6	6.2	
9/22/2005	69	108	365	482	0.00	8.8	6.5	
9/23/2005	67	108	402	514	0.00	9.1	6.6	
9/24/2005	67	108	415	550	0.00	9.0	6.5	
9/25/2005	67	107	417	561	0.00	9.1	6.8	
9/26/2005	75	115	379	570	0.00	8.8	7.0	
9/27/2005	80	148	393	504	0.00	9.0	6.7	
9/28/2005	70	122	466	601	0.00	9.2	7.3	
9/29/2005	73	115	434	613	0.00	8.4	7.3	
9/30/2005	70	123	418	586	0.00	9.2	7.3	
10/1/2005	68	109	370	536	0.00	9.3	7.7	
10/2/2005	68	100	352	488	0.00	9.3	7.7	
10/3/2005	68	97	353	463	0.18	9.2	7.5	
10/4/2005	67	91	399	518	0.00	*	*	
10/5/2005	67	91	399	533	0.00	*	*	
10/6/2005	66	89	396	530	0.00	*	*	
10/7/2005	228	147	485	647	3.00	*	*	
10/8/2005	729	1940	4680	15800	1.82	*	*	
10/9/2005	397	1420	7070	14000	0.01	*	*	
10/10/2005	205	658	2980	4860	0.00	*	*	
10/11/2005	153	443	1800	2750	0.03	*	*	
10/12/2005	137	354	1490	2240	0.24	*	*	
10/13/2005	154	346	1350	2070	0.34	*	*	
10/14/2005	156	414	1330	2010	0.01	*	*	
10/15/2005	126	340	1170	1780	0.00	*	*	
10/16/2005	116	294	1020	1530	0.00	*	*	
10/17/2005	111	256	856	1360	0.00	*	*	

EXELON NUCLEAR

Date	Avg. Flow (cu. ft./ sec.)				Rainfall (in.) Landingville	DO (mg/l) Vincent Dam	
	Landingville	Berne	Reading	Pottstown		Max	Min
10/18/2005	107	238	686	1150	0.00	*	*
10/19/2005	103	219	614	1030	0.00	*	*
10/20/2005	100	205	558	959	0.01	*	*
10/21/2005	96	197	541	911	0.08	*	*
10/22/2005	160	249	718	1250	1.39	*	*
10/23/2005	241	641	1340	2080	0.00	*	*
10/24/2005	154	434	1350	1900	0.11	*	*
10/25/2005	454	1090	2280	3420	1.21	*	*
10/26/2005	381	1320	3290	4460	0.01	*	*
10/27/2005	268	853	2620	3600	0.00	*	*
10/28/2005	216	638	1910	2730	0.00	*	*
10/29/2005	189	523	1490	2100	0.00	*	*
10/30/2005	174	453	1310	1840	0.00	*	*
10/31/2005	161	398	1100	1640	0.00	*	*
11/1/2005	153	363	916	1380	0.00	*	*
11/2/2005	148	344	868	1280	0.00	*	*
11/3/2005	138	313	834	1250	0.00	*	*
11/4/2005	133	303	775	1170	0.00	*	*
11/5/2005	128	289	744	1130	0.00	*	*
11/6/2005	136	277	731	1100	0.23	*	*

Eqp - Equipment malfunction

* - Discontinued by USGS

**Pottstown Water Treatment Plant, Schuylkill River Monitoring
Associated with the Exelon's Wadesville Mine Demonstration Project**

Date	pH (SU) Range**		Spec. Cond. (µmhos/cm)
	Max	Min	
4/14/2005	7.3	7.0	
4/15/2005	7.3	7.0	370
4/16/2005	7.2	7.0	
4/17/2005	7.2	7.0	
4/18/2005	7.9	7.1	
4/19/2005	7.9	6.8	
4/20/2005	7.9	7.0	
4/21/2005	8.1	7.1	390
4/22/2005	7.6	7.1	
4/23/2005	7.2	7.1	
4/24/2005	7.4	7.0	
4/25/2005	7.8	7.2	
4/26/2005	8.0	7.0	
4/27/2005	8.1	7.1	390
4/28/2005	7.9	7.2	
4/29/2005	8.3	7.2	
4/30/2005	7.3	7.2	
5/1/2005	7.7	7.0	
5/2/2005	7.8	7.2	
5/3/2005	7.9	7.1	
5/4/2005	8.0	7.1	
5/5/2005	8.0	7.1	400
5/6/2005	7.8	7.1	
5/7/2005	7.7	7.1	
5/8/2005	7.8	7.3	
5/9/2005	7.9	7.1	
5/10/2005	8.0	7.0	380
5/11/2005	7.7	7.0	
5/12/2005	8.1	6.8	
5/13/2005	8.2	7.2	
5/14/2005	8.2	7.2	
5/15/2005	8.1	7.1	
5/16/2005	7.7	7.0	
5/17/2005	7.8	6.9	
5/18/2005	7.7	7.0	
5/19/2005	7.5	7.0	420
5/20/2005	7.1	7.0	
5/21/2005	7.0	6.8	
5/22/2005	7.0	7.0	
5/23/2005	7.0	6.9	400
5/24/2005	7.2	7.1	
5/25/2005	7.2	7.0	
5/26/2005	7.2	7.0	390
5/27/2005	7.2	7.1	
5/28/2005	7.1	7.0	

**Pottstown Water Treatment Plant, Schuylkill River Monitoring
Associated with the Exelon's Wadesville Mine Demonstration Project**

Date	pH (SU) Range**		Spec. Cond. (µmhos/cm)
	Max	Min	
5/29/2005	7.0	7.0	
5/30/2005	7.2	7.0	
5/31/2005	7.4	7.1	
6/1/2005	7.3	7.0	
6/2/2005	7.3	7.1	
6/3/2005	7.2	7.0	370
6/4/2005	7.5	7.1	
6/5/2005	7.2	7.1	
6/6/2005	7.3	6.8	370
6/7/2005	7.1	6.8	
6/8/2005	7.3	7.0	
6/9/2005	7.20	7.0	390
6/10/2005	7.2	7.0	
6/11/2005	7.1	6.9	
6/12/2005	7.2	7.0	
6/13/2005	7.1	7.0	
6/14/2005	7.2	7.0	380
6/15/2005	7.3	7.0	
6/16/2005	7.3	7.0	
6/17/2005	7.4	7.0	400
6/18/2005	7.3	7.1	
6/19/2005	7.3	7.1	
6/20/2005	7.5	7.1	480
6/21/2005	7.6	7.2	
6/22/2005	7.5	7.1	
6/23/2005	7.5	7.1	490
6/24/2005	7.7	7.2	
6/25/2005	7.5	7.2	
6/26/2005	7.6	7.2	
6/27/2005	7.5	7.2	470
6/28/2005	7.6	7.1	
6/29/2005	7.5	7.2	470
6/30/2005	7.4	7.0	
7/1/2005	7.3	6.9	
7/2/2005	7.4	7.1	
7/3/2005	7.5	7.2	
7/4/2005	7.5	7.2	
7/5/2005	7.2	7.1	400
7/6/2005	7.2	7.0	
7/7/2005	7.2	7.0	
7/8/2005	7.1	6.9	410
7/9/2005	7.0	6.9	
7/10/2005	7.2	7.0	
7/11/2005	7.4	7.2	
7/12/2005	7.5	7.0	
7/13/2005	7.3	7.0	420

**Pottstown Water Treatment Plant, Schuylkill River Monitoring
Associated with the Exelon's Wadesville Mine Demonstration Project**

Date	pH (SU) Range**		Spec. Cond. (µmhos/cm)
	Max	Min	
7/14/2005	7.1	6.8	
7/15/2005	7.2	6.8	410
7/16/2005	7.5	6.9	
7/17/2005	6.9	6.7	
7/18/2005	7.0	6.8	400
7/19/2005	7.2	7.0	
7/20/2005	7.3	7.0	
7/21/2005	7.4	7.1	
7/22/2005	7.3	7.0	410
7/23/2005	7.3	7.1	
7/24/2005	7.4	7.1	
7/25/2005	7.6	7.2	400
7/26/2005	7.6	7.1	
7/27/2005	7.5	7.1	
7/28/2005	7.3	7.0	430
7/29/2005	7.6	7.1	
7/30/2005	7.6	7.3	
7/31/2005	7.7	7.3	
8/1/2005	8.0	7.2	470
8/2/2005	8.0	7.2	
8/3/2005	7.8	7.1	500
8/4/2005	7.8	7.1	
8/5/2005	7.7	7.1	
8/6/2005	7.5	7.1	
8/7/2005	7.4	7.1	
8/8/2005	7.3	7.1	
8/9/2005	7.5	7.0	500
8/10/2005	7.5	7.0	
8/11/2005	7.6	7.0	
8/12/2005	7.7	7.0	510
8/13/2005	7.5	7.2	500
8/14/2005	7.6	7.2	
8/15/2005	7.6	7.1	
8/16/2005	7.4	7.2	
8/17/2005	7.7	7.2	
8/18/2005	7.6	7.2	
8/19/2005	7.5	7.2	530
8/20/2005	7.3	7.1	
8/21/2005	7.5	7.1	
8/22/2005	7.7	7.1	
8/23/2005	7.8	7.2	520
8/24/2005	7.8	7.2	
8/25/2005	7.8	7.3	
8/26/2005	7.8	7.2	550
8/27/2005	7.8	7.4	
8/28/2005	7.4	7.4	

**Pottstown Water Treatment Plant, Schuylkill River Monitoring
Associated with the Exelon's Wadesville Mine Demonstration Project**

Date	pH (SU) Range**		Spec. Cond. (µmhos/cm)
	Max	Min	
8/29/2005	7.6	7.1	540
8/30/2005	7.6	7.0	
8/31/2005	7.6	7.1	
9/1/2005	8.2	7.3	
9/2/2005	8.1	7.2	570
9/3/2005	7.9	7.3	
9/4/2005	7.8	7.2	
9/5/2005	8.1	7.4	
9/6/2005	8.0	7.1	520
9/7/2005	8.2	7.3	
9/8/2005	8.1	7.2	530
9/9/2005	8.2	7.3	
9/10/2005	8.2	7.3	
9/11/2005	8.2	7.3	
9/12/2005	8.3	7.3	520
9/13/2005	7.7	7.3	
9/14/2005	8.0	7.2	
9/15/2005	7.6	7.0	
9/16/2005	7.8	7.0	510
9/17/2005	7.3	7.0	
9/18/2005	7.3	7.0	
9/19/2005	8.1	7.6	500
9/20/2005	8.0	7.6	
9/21/2005	7.9	7.6	
9/22/2005	8.0	7.6	
9/23/2005	7.7	7.6	500
9/24/2005	8.0	7.7	
9/25/2005	7.8	7.7	
9/26/2005	7.8	7.6	
9/27/2005	7.9	7.3	510
9/28/2005	8.0	7.6	
9/29/2005	7.9	7.4	
9/30/2005	8.1	7.5	500
10/1/2005	7.9	7.7	
10/2/2005	8.0	7.5	
10/3/2005	8.0	7.6	
10/4/2005	8.0	7.6	490
10/5/2005	7.9	7.5	
10/6/2005	7.8	7.5	
10/7/2005	7.7	7.6	470
10/8/2005	7.3	7.0	
10/9/2005	7.3	6.9	
10/10/2005	7.0	6.9	
10/11/2005	7.3	6.9	440
10/12/2005	7.3	6.5	
10/13/2005	7.5	6.8	

**Pottstown Water Treatment Plant, Schuylkill River Monitoring
Associated with the Exelon's Wadesville Mine Demonstration Project**

Date	pH (SU) Range**		Spec. Cond. (µmhos/cm)
	Max	Min	
10/14/2005	7.5	7.0	430
10/15/2005	7.5	7.1	
10/16/2005	7.6	7.2	
10/17/2005	7.5	7.3	
10/18/2005	7.5	7.2	380
10/19/2005	7.5	7.2	
10/20/2005	7.6	7.3	
10/21/2005	7.6	7.3	390
10/22/2005	7.4	7.3	
10/23/2005	7.3	7.2	
10/24/2005	7.4	6.9	370
10/25/2005	7.5	6.9	
10/26/2005	7.5	7.1	
10/27/2005	7.5	7.2	
10/28/2005	7.4	7.1	370
10/29/2005	7.6	7.1	
10/30/2005	7.5	7.1	
10/31/2005	7.6	7.2	400
11/1/2005	7.4	7.2	
11/2/2005	7.5	7.2	
11/3/2005	7.5	7.1	
11/4/2005	7.6	7.2	400
11/5/2005	7.5	7.1	
11/6/2005	7.8	7.2	
11/7/2005	7.7	7.2	

** - pH is taken every 2 hours during the day

Chemical Analyses of Schuylkill River at Pottstown Water Treatment Plant

Low Flow Sampling

(Total concentration in mg/l unless otherwise indicated)

Constituent	Sample								
	Dates>>	6/17/2005	6/22/2005	6/23/2005	6/29/2005	6/30/2005	8/4/2005	8/10/2005	8/17/2005
River Flow (cfs)		805	680	647	659	822	557	685	609
Iron, Total		0.13	0.13	0.10	0.08	0.10	0.08	0.29	0.11
Manganese, Total		0.063	0.059	0.050	0.060	0.064	0.057	0.109	0.071
Copper, Total					<0.005	0.006			
Sulfide		<2	<2	<2	<2	<2	<2	<2	<2
Total Organic Carbon		2.2	2.3	2.2	2.3	2.6	2.6	2.8	2.8
TDS		284	295	312	320	320	335	323	320

Constituent	Sample								
	Dates>>	8/19/2005	8/23/2005	8/26/2005	9/2/2005	9/8/2005	9/15/2005	9/23/2005	9/30/2005
River Flow (cfs)		577	549	527	443	497	629	514	586
Iron, Total		0.14	0.44	0.09	0.17	0.15	0.13	0.18	0.08
Manganese, Total		0.129	0.157	0.057	0.071	0.069	0.205	0.088	0.050
Copper, Total					<0.005				
Sulfide		<2	<2	<2	NA	NA	NA	NA	NA
Total Organic Carbon		2.6	2.5	2.5	2.6	2.2	2.8	2.4	2.2
TDS		270	296	340	350	297	319	332	320

Constituent	Sample Dates>>
	10/6/2005

River Flow (cfs)	530
Iron, Total	0.18
Manganese, Total	0.075
Copper, Total	<0.01
Sulfide	NA
Total Organic Carbon	2.8
TDS	296

**Chemical Analyses of Wadesville Mine Pool Water
Monthly NPDES Sampling**

(Total concentration in mg/l unless otherwise indicated)

Constituent	Sample	5/9/2005	6/28/2005	7/29/2005	8/8/2005	9/23/2005
	Dates>>					
pH (SU)		6.86	7.2	7.2	6.8	7.0
Spec. Cond. (µmhos/cm)		1,531	1,379	1,720	1,430	1,410
Iron, Total		2.38	1.49	2.03	2.11	3.36
Manganese, Total		2.081	2.13	2.22	2.35	2.27
Sulfate		450	361	643	485	424
Acidity		<0.40	<0.40	<0.40	<0.40	<0.40
Alkalinity		337.3	414	342.3	365.7	423.6
TSS		3	1	6	2	7

East Branch Perkiomen Creek Monitoring
Associated with the Exelon's Wadesville Mine Demonstration Project
(sampling frequency = 5 per month)

Sampling Date	200' Upstream of Bradshaw Outfall				Outfall from Bradshaw Reservoir				Downstream, Bucks Rd. USGS gage				EBPC at Rt. 73 Bridge			
	Diss. Oxygen	Temp	<i>E. coli</i> (mpn/100ml)	Fecal Coliforms (no./100ml)	Diss. Oxygen	Temp	<i>E. coli</i> (mpn/100ml)	Fecal Coliforms (no./100ml)	Diss. Oxygen	Temp	<i>E. coli</i> (mpn/100ml)	Fecal Coliforms (no./100ml)	Diss. Oxygen	Temp	<i>E. coli</i> (mpn/100ml)	Fecal Coliforms (no./100ml)
	(mg/l)	(°C)			(mg/l)	(°C)			(mg/l)	(°C)			(mg/l)	(°C)		
4/20/2005	12.6	16.0	90	110	10.3	13.0	5	6	12.9	14.9	50	130	13.1	18.9	10	10
4/27/2005	11.9	12.2	457	690	12.3	12.1	19	40	12.1	12.5	178	330	12.0	13.9	88	92
5/4/2005	13.8	12.4	120	110	13.9	12.2	2	6	13.2	14.0	6	12	12.3	13.7	31	24
5/6/2005	11.8	10.2	130	110	12.7	12.3	5	4	12.2	12.2	16	14	12.6	12.5	59	42
5/9/2005	11.0	13.2	130	190	12.6	13.9	1	2	11.7	15.3	6	16	12.7	17.6	50	54
5/11/2005	10.5	17.6	230	290	12.8	16.2	1	2	12.6	18.3	24	18	13.0	21.3	10	36
5/18/2005	8.4	16.1	230	360	12.1	17.7	22	22	10.7	17.9	54	140	13.3	20.8	13	36
6/1/2005	8.1	17.0	100	110	11.4	19.1	3	6	12.0	19.7	59	78	11.9	20.3	21	42
6/8/2005	8.2	25.0	120	120	11.2	23.7	14	18	11.0	25.7	170	180	12.6	28.0	51	130
6/9/2005	7.8	22.4	52	62	10.6	24.7	2	6	10.2	25.3	24	38	12.1	25.9	51	110
6/15/2005	6.8	24.2	110	670	10.3	27.0	5	8	10.4	27.3	53	74	12.6	26.9	18	84
6/16/2005	6.2	22.0	71	80	9.3	26.8	3	4	9.3	26.9	59	58	11.6	25.1	12	26
7/13/2005	8.8	22.8	490	490	9.1	25.3	7	10	8.4	25.0	93	110	9.8	26.3	58	82
7/14/2005	8.4	22.7	440	560	9.0	25.4	2	12	8.2	25.3	58	60	9.7	26.0	77	96
7/19/2005	7.8	24.1	460	550	8.2	26.7	19	18	7.8	27.0	91	130	9.0	28.1	65	88
7/20/2005	7.2	26.2	310	370	8.8	27.1	29	58	8.3	28.3	130	140	10.5	30.9	20	48
7/26/2005	8.3	23.5	250	62	9.3	27.5	6	2	8.4	28.1	34	32	10.5	28.6	32	50
8/3/2005	6.6	25.1	180	180	8.5	28.2	3	4	9.2	29.8	78	90	9.1	31.0	12	16
8/4/2005	6.0	23.7	32	40	8.3	28.7	5	6	8.0	29.0	26	48	8.2	27.6	25	56
8/10/2005	6.3	23.0	460	460	9.3	25.7	5	12	8.5	25.0	75	80	9.5	26.1	310	360
8/11/2005	6.4	21.9	650	700	8.4	26.7	10	14	7.7	26.5	76	90	8.8	25.5	130	120
8/18/2005	6.9	19.6	610	680	8.3	26.4	26	46	8.5	26.4	99	120	9.4	23.6	110	120

Exelon Nuclear

Sampling Date	200' Upstream of Bradshaw Outfall				Outfall from Bradshaw Reservoir				Downstream, Bucks Rd. USGS gage				EBPC at Rt. 73 Bridge			
	Diss. Oxygen	Temp	<i>E. coli</i>	Fecal Coliforms	Diss. Oxygen	Temp	<i>E. coli</i>	Fecal Coliforms	Diss. Oxygen	Temp	<i>E. coli</i>	Fecal Coliforms	Diss. Oxygen	Temp	<i>E. coli</i>	Fecal Coliforms
	(mg/l)	(°C)	(mpn/100ml)	(no./100ml)	(mg/l)	(°C)	(mpn/100ml)	(no./100ml)	(mg/l)	(°C)	(mpn/100ml)	(no./100ml)	(mg/l)	(°C)	(mpn/100ml)	(no./100ml)
9/7/2005	8.2	15.4	100	140	10.9	24.1	11	16	9.9	23.8	93	150	10.8	19.3	91	96
9/14/2005	6.0	17.8	68	140	9.1	24.2	7	20	8.6	24.0	33	44	8.8	21.5	62	120
9/15/2005	5.6	21.4	980	1000	8.8	24.2	10	16	8.7	25.0	39	54	9.5	24.1	170	300
9/21/2005	5.5	16.5	550	1200	9.9	23.8	16	20	9.3	23.3	42	82	10.6	19.8	59	60
9/22/2005	6.4	16.3	110	110	10.0	23.3	6	26	9.7	23.6	50	50	11.5	21.3	40	44
10/5/2005	5.8	15.8	1000	1400	10.7	20.2	79	110	9.8	20.0	67	72	10.0	18.1	46	50
10/13/2005	9.0	14.6	820	1000	9.1	17.2	650	860	9.0	16.6	330	470	9.3	15.7	210	220
10/18/2005	9.0	12.2	360	380	9.5	15.5	150	210	9.1	14.9	130	160	9.8	13.2	99	130
10/19/2005	8.7	11.0	120	180	9.8	15.7	180	240	9.6	14.1	180	320	10.1	13.9	79	1300
10/20/2005	9.1	12.0	100	1600	9.6	15.4	180	190	9.5	14.9	93	140	10.5	13.9	57	74

Chemical Analyses of Wadesville Mine Pool Water

TOC, TDS

(Total concentration in mg/l unless otherwise indicated)

Sample Date	5/19/05	6/23/05	7/29/05	8/25/05	9/16/05
Depth					
Constituent					
Total Organic Carbon	<0.5	<0.5	<0.5	<0.5	<0.5
TDS	1,418	1,129	1,333	1,144	1,228
Copper, Total		0.008			
Dissolved Oxygen	11.3	8.0	8.8	10.2	7.0
Spec. Cond. (µmhos/cm)	1,990	1,411	1,456	1,633	1,463
pH (SU)	6.89	6.99	7.00	7.12	6.97
Temp (°C)	13.5	14.2	14.2	14.2	14.8

Chemical Analyses of Still Creek and Little Schuylkill River

(Concentration in mg/l unless otherwise indicated)

Little Schuylkill River - Route 54 - Just below PA Route 54 Bridge

Little Schuylkill River - Upstream - Just below SR1020 Bridge

Still Creek - Upstream of PA Route 309 Bridge

Sampling Date, Constituents	Little Schuylkill River - Upstream	Little Schuylkill River - Route 54	Still Creek
5/19/2005			
Total Dissolved Solids	144	84	26
Total Alkalinity	<2	3	4
Dissolved Oxygen	13.1	12.7	11.4
Spec. Cond. (µmhos/cm)	260	178	29.6
pH (SU)	5.69	6.31	7.36
Temp (°C)	10.5	11.4	11.9
Sampling Date, Constituents	Little Schuylkill River - Upstream	Little Schuylkill River - Route 54	Still Creek
6/23/2005			
Total Dissolved Solids	182	67	34
Total Alkalinity	<2	4	4
Dissolved Oxygen	10.6	10.3	9.3
Spec. Cond. (µmhos/cm)	296	81.6	39.4
pH (SU)	5.34	6.19	6.83
Temp (°C)	12.1	14.2	12.0
Sampling Date, Constituents	Little Schuylkill River - Upstream	Little Schuylkill River - Route 54	Still Creek
8/25/2005*			
Total Dissolved Solids	148	32	<5
Total Alkalinity	<2	4	7
Dissolved Oxygen	13.1	10.4	8.1
Spec. Cond. (µmhos/cm)	290	144.8	72.6
pH (SU)	4.86	6.73	6.85
Temp (°C)	13.4	17.6	20.9
Sampling Date, Constituents	Little Schuylkill River - Upstream	Little Schuylkill River - Route 54	Still Creek
9/16/2005			
Total Dissolved Solids	180	46	19
Total Alkalinity	<2	4	6
Dissolved Oxygen	7.8	8.6	7.8
Spec. Cond. (µmhos/cm)	299	119.0	41.2
pH (SU)	4.30	6.34	6.28
Temp (°C)	15.1	20.7	21.3

* - Still Creek did not release in July so no sample was taken

Chemical Analyses of E. Norwegian Creek and Schuylkill River

(Concentration in mg/l unless otherwise indicated)

Station 109 = ~ 3 mi. downstream of Norwegian Creek

Station 106 = ~ 0.5 mi. upstream of Norwegian Creek

Sampling Date, Constituents	Schuylkill River at Station 109	E. Norwegian Creek	Schuylkill River at Station 106
5/19/2005			
Total Dissolved Solids	379	1,294	228
Total Alkalinity	60	276	15
Dissolved Oxygen	12.2	12.0	12.1
Spec. Cond. (µmhos/cm)	494	1,701	420
pH (SU)	7.06	7.27	7.17
Temp (°C)	14.6	15.1	12.7
6/23/2005			
Total Dissolved Solids	451	845	296
Total Alkalinity	98	312	18
Dissolved Oxygen	9.6	9.2	9.1
Spec. Cond. (µmhos/cm)	693	1,249	437
pH (SU)	7.08	7.55	6.80
Temp (°C)	19.0	15.6	16.0
7/21/2005			
Total Dissolved Solids	289	331	235
Total Alkalinity	30	57	12
Dissolved Oxygen	9.7	8.0	9.7
Spec. Cond. (µmhos/cm)	767	675	384
pH (SU)	6.90	7.16	6.68
Temp (°C)	21.3	19.4	18.7
8/25/2005			
Total Dissolved Solids	428	1080	196
Total Alkalinity	120	346	20
Dissolved Oxygen	11.0	11.5	10.5
Spec. Cond. (µmhos/cm)	910	1,606	516
pH (SU)	7.92	7.85	6.93
Temp (°C)	20.1	16.7	17.5
9/16/2005			
Total Dissolved Solids	476	1014	312
Total Alkalinity	125	396	18
Dissolved Oxygen	9.2	8.8	7.8
Spec. Cond. (µmhos/cm)	652	1,412	460
pH (SU)	7.78	7.89	6.71
Temp (°C)	22.0	16.8	19.2

Sampling Date, Constituents	Schuylkill River at Station 109	E. Norwegian Creek	Schuylkill River at Station 106
11/3/2005			
Total Dissolved Solids	213	243	216
Total Alkalinity	28	58	18
Dissolved Oxygen	11.4	11.2	11.5
Spec. Cond. ($\mu\text{mhos/cm}$)	392	493	359
pH (SU)	6.60	6.80	6.67
Temp ($^{\circ}\text{C}$)	8.0	8.7	7.4

Aquatic Habitat Observations of Little Schuylkill River

Performed During Visits to Download Temperature Monitoring Data

Date*	Site	p-chems				Comments/Observation
		Dissoved Oxygen (mg/l)	Spec. Cond. (µmhos/cm)	Temp. (°C)	pH (SU)	
14-Apr	Little Schuylkill River - Tamaqua	11.6	83.4	9.0	7.03	water clear, rocky bottom, nothing abnormal
	Little Schuylkill River - Route 54	11.6	99.6	9.2	6.28	water clear, rocky bottom, nothing abnormal
	Little Schuylkill River - Upstream	11.5	168	9.0	5.53	water clear, rocky bottom, iron staining
	Still Creek	10.4	27.4	10.9	7.34	water clear, nothing abnormal
19-May	Little Schuylkill River - Tamaqua	12.0	109	11.9	7.07	water clear, rocky bottom, light algal growth, nothing abnormal
	Little Schuylkill River - Route 54	12.7	178	11.4	6.31	water clear, rocky bottom, light algal growth, nothing abnormal
	Little Schuylkill River - Upstream	13.1	260	10.5	5.69	water clear, rocky bottom, no algal growth, iron staining
	Still Creek	11.4	29.6	11.9	7.36	water clear, no algal growth, nothing abnormal
23-Jun	Little Schuylkill River - Tamaqua	10.2	96.3	14.4	6.82	water clear, rocky bottom, light algal growth, nothing abnormal
	Little Schuylkill River - Route 54	10.3	81.6	14.2	6.19	water clear, rocky bottom, no algal growth, nothing abnormal
	Little Schuylkill River - Upstream	10.6	296	12.1	5.34	water clear, rocky bottom, no algal growth, iron staining
	Still Creek	9.3	39.4	12.0	6.83	water clear, no algal growth, nothing abnormal
21-Jul	Little Schuylkill River - Tamaqua	10.4	132.5	20.5	6.50	water clear, rocky bottom, no algal growth, nothing abnormal, low flow
	Little Schuylkill River - Route 54	9.7	158.7	17.8	6.01	water clear, rocky bottom, no algal growth, nothing abnormal, low flow
	Little Schuylkill River - Upstream	10.2	275	15.2	5.84	water clear, rocky bottom, no algal growth, iron staining
	Still Creek	6.7	67.7	17.7	7.01	water clear, no algal growth, nothing abnormal, low flow
25-Aug	Little Schuylkill River - Tamaqua	9.6	103.1	16.7	7.05	water clear, rocky bottom, no algal growth, nothing abnormal, low flow
	Little Schuylkill River - Route 54	10.4	144.8	17.6	6.73	water clear, rocky bottom, no algal growth, nothing abnormal, low flow
	Little Schuylkill River - Upstream	13.1	290	13.4	4.86	water clear, rocky bottom, no algal growth, iron staining
	Still Creek	8.1	72.6	20.9	6.85	water clear, no algal growth, nothing abnormal, low flow
16-Sep	Little Schuylkill River - Tamaqua	9.8	140.2	16.9	6.56	water clear, rocky bottom, no algal growth, nothing abnormal, mod. flow
	Little Schuylkill River - Route 54	8.6	119.0	20.7	6.34	water clear, rocky bottom, no algal growth, nothing abnormal, mod. flow
	Little Schuylkill River - Upstream	7.8	299	15.1	4.30	water clear, rocky bottom, no algal growth, iron staining
	Still Creek	7.8	41.2	21.3	6.28	water clear, no algal growth, nothing abnormal, mod. To low flow
3-Nov	Little Schuylkill River - Tamaqua	12.0	177.7	7.6	6.65	water clear, rocky bottom, no algal growth, nothing abnormal, mod. flow
	Little Schuylkill River - Route 54	12.0	226.0	7.8	5.93	water clear, rocky bottom, no algal growth, nothing abnormal, mod. flow
	Little Schuylkill River - Upstream	11.3	272	8.8	5.01	water clear, rocky bottom, no algal growth, iron staining
	Still Creek	12.0	119.3	7.0	6.48	water clear, no algal growth, nothing abnormal, mod. To low flow

Site Locations: Little Schuylkill River - Tamaqua - Downstream of Tuscarora Road Bridge
 Little Schuylkill River - Route 54 - Just below PA Route 54 Bridge
 Little Schuylkill River - Upsteam - Just below SR1020 Bridge
 Still Creek - Upstream of PA Route 309 Bridge

Chemical Analyses of Schuylkill River at Pennsylvania American Water Company

TDS Sampling

(Total concentration in mg/l unless otherwise indicated)

Constituent	Sample	4/18/2005	5/9/2005	6/9/2005	7/18/2005	8/8/2005	8/24/2005	8/31/2005	9/8/2005
	Dates>>								
River Flow, Pottstown (cfs)		2460	1500	1010	2110	867	552	500	497
TDS		173	206	284	162	326	360	276	345
Dissolved Oxygen		9.7	10.2	6.9	7.2	7.3	7.0	6.9	9.3
Spec. Cond. (µmhos/cm)		303	326	380	315	405	422	348	487
pH (SU)		7.38	7.54	7.78	7.60	7.51	7.65	7.70	7.82
Temp (°C)		13.3	15.2	26.5	25.9	25.8	25.2	25.1	24.2

Constituent	Sample	9/13/2005	9/19/2005	9/26/2005	10/3/2005
	Dates>>				
River Flow, Pottstown (cfs)		481	397	570	463
TDS		353	460	322	339
Dissolved Oxygen		8.4	7.8	8.1	9.3
Spec. Cond. (µmhos/cm)		NA	540	475	458
pH (SU)		7.66	7.85	7.62	7.69
Temp (°C)		23.3	25.6	21.5	20.3

Monthly Perkiomen Creek Monitoring

Associated with the Exelon's Wadesville Mine Demonstation Project

Perkiomen Creek upstream of East Branch confluence, Rt 73 Bridge Schwenksville

Sampling Date	Disolved			
	Oxygen (mg/l)	Temp (°C)	<i>E. coli</i> (mpn/100ml)	Fecal Coliforms (no./100ml)
20-Apr	12.4	17.6	20	16
4-May	13.7	14.3	29	38
8-Jun	12.6	25.6	11	100
14-Jul	8.7	25.1	870	3000
4-Aug	8.7	28.0	190	220
21-Sep	9.9	20.4	220	340
13-Oct	9.2	16.2	690	740

Perkiomen Creek downstream of East Branch confluence, Grateford Intake Pumphouse

Sampling Date	Disolved			
	Oxygen (mg/l)	Temp (°C)	<i>E. coli</i> (mpn/100ml)	Fecal Coliforms (no./100ml)
20-Apr	12.3	18.7	20	26
4-May	14.2	13.6	23	42
8-Jun	11.1	26.9	15	110
14-Jul	7.9	25.4	920	1000
4-Aug	7.0	28.2	100	150
21-Sep	8.2	20.8	250	340
13-Oct	8.7	16.1	360	630

Fish collected by electrofishing at Schuylkill River Station 109 downstream of the Norwegian Creek confluence during 2005.

Sampling Date:		May 19		June 23		July 21		August 25		September 16	
Scientific Name	Common Name	Total No.	Length Range (mm)	Total No.	Length Range (mm)	Total No.	Length Range (mm)	Total No.	Length Range (mm)	Total No.	Length Range (mm)
<i>Onchorynchus mykiss</i>	rainbow trout (carryover)			4	264-390	1	280				
<i>Onchorynchus mykiss</i>	rainbow trout	1	395								
<i>Salmo trutta</i>	brown trout (carry over)	1	300	5	256-315	3	300-320	2	311-325	1	362
<i>Salmo trutta</i>	brown trout (wild yoy)	6	45-55								
<i>Salmo trutta</i>	brown trout (wild)	1	170								
<i>Salmo trutta</i>	brown trout (fingerlings)							424	125+	406	not measured
<i>Salvelinus fontinalis</i>	brook trout (native)	16	25-150	39	58-280	12	102-291	7	104-242	7	112-220
<i>Rhinichthys atratulus</i>	blacknose dace	41	34-90	44	54-91	12	61-82	52	30-92	173	32-75s
<i>Semotilus atromaculatus</i>	creek chub	3	42-162	1	74	1	80	5	70-179	18	45-198
<i>Catostomus commersoni</i>	white sucker	37	53-356	129	58-425	408	30-430*	738	25-471*	786	37-437^
<i>Ameiurus nebulosus</i>	brown bullhead					1	149				
<i>Carassius auratus</i>	gold fish			1	333	1	340	1	309		
<i>Lepomis cyanellus</i>	green sunfish	48	43-116	47	47-122	28	55-103	57	21-123	41	50-130
<i>Lepomis gibbosus</i>	pumpkinseed									2	72-117
<i>Lepomis machrochirus</i>	bluegill			1	191					1	184
<i>Micropterus salmoides</i>	laremouh bass			1	92			2	80-83	1	91
<i>Etheostoma olmsted</i>	tessellated darter							1	38	3	58-63
Total Species:		9		10		9		10		11	
Total Individuals:		154		272		467		1289		1439	
Physicochemical data:											
Time:		0945		930		0900		935		920	
Water Temp (C):		14.5		19.0		18.5		16.0		22.0	
DO (mg/l):		12.2		9.6		9.7		10.2		9.2	
pH:		7.06		7.08		6.8		7.6		7.78	
Specific Conductance (µmhos/cm):		499		693		340		656		652	
Total Alkalinity		60		98		30		120		125	

*100 measured

+stocked fingerlings approximate length

^131 adults 655 young of year (110 measured)

\$80 measured

Fish collected by electrofishing at Schuylkill River Station 109 downstream of the Norwegian Creek confluence during 2005.

Sampling Date:		Nov 3	
Scientific Name	Common Name	Total No.	Length Range (mm)
<i>Onchorynchus mykiss</i>	rainbow trout (carryover)		
<i>Onchorynchus mykiss</i>	rainbow trout	1	276
<i>Salmo trutta</i>	brown trout (carry over)		
<i>Salmo trutta</i>	brown trout (wild yoy)		
<i>Salmo trutta</i>	brown trout (wild)	4	245-560
<i>Salmo trurra</i>	brown trout (fingerlings)	312	
<i>Salmo trurra</i>	brown trout (stocked)	310	
<i>Salvelinus fontinalis</i>	brook trout (native)	5	108-235
<i>Rhinichthys atratulus</i>	blacknose dace	114	32-97*
<i>Semotilus atromaculatus</i>	creek chub	7	48-115
<i>Catostomus commersoni</i>	white sucker	395	42-370*
<i>Ameiurus nebulosus</i>	brown bullhead		
<i>Carassius auratus</i>	gold fish		
<i>Lepomis cyanellus</i>	green sunfish	39	68-129
<i>Lepomis gibbosus</i>	pumpkinseed		
<i>Lepomis machrochirus</i>	bluegill		
<i>Micropterus salmoides</i>	laremouth bass		
<i>Etheostoma olmstedii</i>	tessellated darter	6	52-64
Total Species:		8	
Total Individuals:		1193	
Physicochemical data:			
Time:		0917	
Water Temp (C):		8.0	
DO (mg/l):		11.4	
pH:		6.6	
Specific Conductance (µmhos/cm):		392	
Total Alkalinity		28	

*100 measured

+stocked fingerlings approximate length

^131 adults 655 young of year (110 measured)

\$80 measured

Fish collected by electrofishing at Schuylkill River Station 106 upstream of the Norwegian Creek confluence during 2005.

Sampling Date:		May 19		June 23		July 21		August 25		September 16	
Scientific Name	Common Name	Total No.	Length Range (mm)	Total No.	Length Range (mm)	Total No.	Length Range (mm)	Total No.	Length Range (mm)	Total No.	Length Range (mm)
<i>Onchorynchus mykiss</i>	rainbow trout (hatchery)					1	103	1	155		
<i>Salvelinus fontinalis</i>	brook trout (native)	14	25-333			12	6-345	14	72-240	11	82-203
<i>Salvelinus fontinalis</i>	brook trout (carryover)			10	59-285						
<i>Rhinichthys atratulus</i>	blacknose dace	103	50-91	179	53-90*	129	60-94+	262	23-92*	222	21-91*
<i>Semotilus atromaculatus</i>	creek chub	74	72-222	29	78-140	20	94-155	22	33-136	115	25-192*
<i>Catostomus commersoni</i>	white sucker	80	86-384	81	104-395	88	27-360	197	33-333*	174	25-388^
<i>Ameiurus natalis</i>	yellow bullhead										
<i>Ameiurus nebulosus</i>	brown bullhead					1	160				
<i>Lepomis cyanellus</i>	green sunfish	68	40-105	57	43-143	38	25-101	3	64-81	72	53-125
<i>Lepomis gibbosus</i>	pumpkinseed	1	61	1	64	2	57-60	57	38-110	1	101
<i>Lepomis machrochirus</i>	bluegill	1	102								
<i>Lepomis spp.</i>	sunfish hybrid			1	143						
<i>Etheostoma olmstedii</i>	tessellated darter										
Total Species:		7		7		8		7		6	
Total Individuals:		341		358		291		556		595	
Physicochemical data											
	Time:		1330		1330		1235		1325		1302
	Water Temp (C):		12.7		16.0		18.0		17.2		19.2
	DO (mg/l):		12.1		9.1		9.9		10.3		7.8
	pH:		7.17		6.80		7.3		7.4		6.7
	Specific Conductance (µmhos/cm):		420		437		309		373		460
	Total Alkalinity		15		18		12		20		

*only 100 measured

+ only 105 measured

^ 85 adults 89 young of year (50 measured)

Fish collected by electrofishing at Schuylkill River Station 106 upstream of the Norwegian Creek confluence during 2005.

Sampling Date:		Nov 3	
Scientific Name	Common Name	Total No.	Length Range (mm)
<i>Onchorynchus mykiss</i>	rainbow trout (hatchery)		
<i>Salvelinus fontinalis</i>	brook trout (native)	7	95-188
<i>Salvelinus fontinalis</i>	brook trout (carryover)		
<i>Rhinichthys atratulus</i>	blacknose dace	271	30-93*
<i>Semotilus atromaculatus</i>	creek chub	70	42-170
<i>Catostomus commersoni</i>	white sucker	341	40-346*
<i>Ameiurus natalis</i>	yellow bullhead		
<i>Ameiurus nebulosus</i>	brown bullhead		
<i>Lepomis cyanellus</i>	green sunfish	59	58-120
<i>Lepomis gibbosus</i>	pumpkinseed		
<i>Lepomis machrochirus</i>	bluegill	1	90
<i>Lepomis spp.</i>	sunfish hybrid		
<i>Etheostoma olmstedii</i>	tessellated darter		
Total Species:		6	
Total Individuals:		749	
Physicochemical data			
	Time:	1300	
	Water Temp (C):	7.4	
	DO (mg/l):	11.5	
	pH:	6.67	
	Specific Conductance (µmhos/cm):	359	
	Total Alkalinity	18	

*only 100 measured

+ only 105 measured

^ 85 adults 89 young of year (50 measured)

Fish Captured by Angling and Electrofishing (both gear types combined) from the Little Schuylkill River near Hometown (S.R. 54), Pennsylvania.

Scientific Name	Common Name	20-May-05 Downstream of Pine Creek		20-May-05 Upstream of Pine Creek		20-May-05 Pine Creek	
		Total No.	Length Range (mm)	Total No.	Length Range (mm)	Total No.	Length Range (mm)
<i>Oncorhynchus mykiss</i>	rainbow trout (carryover)	1	225	-	-	-	-
<i>Oncorhynchus mykiss</i>	rainbow trout (stocked)	2	245-265	-	-	-	-
<i>Salmo trutta</i>	brown trout (carryover)	1	250	-	-	-	-
<i>Salmo trutta</i>	brown trout (stocked)	3	260-283	-	-	-	-
<i>Salvelinus fontinalis</i>	brook trout (wild)	7	130-283	5	125-250	-	-
<i>Salvelinus fontinalis</i>	brook trout (stocked)	-	-	1	225	-	-
<i>Catostomus commersoni</i>	white sucker	5	42-411	-	-	-	-
<i>Esox niger</i>	chain pickerel	2	360-375	3	206-365	-	-
<i>Etheostoma olmstedii</i>	tessellated darter	1	63	-	-	-	-
<i>Rhinichthys atratulus</i>	blacknose dace	5	40-80	-	-	-	-
<i>Rhinichthys cataractae</i>	longnose dace	1	85	-	-	-	-
	Total Species:	8		3		-	-
	Total Individuals:	28		9		-	-
Time:		1055		1255		1430	
Water Temp (C):		12.0		11.0		13.0	
DO (mg/l):		10.7		11.2		10.4	
pH: (std units)		-		6.31		-	
Conductivity (µmhos/cm@k25):		148		151		149	

Fish Captured by Angling and Electrofishing (both gear types combined) from the Little Schuylkill River between Hometown (S.R. 54) and Tamaqua (S.R. 309) Pennsylvania.

Scientific Name	Common Name	22-Jul-05		15-Jul-05		15,19-Jul-05		19-Jul-05		19-Jul-05	
		Total No.	Length Range (mm)	Total No.	Length Range (mm)	Total No.	Length Range (mm)	Total No.	Length Range (mm)	Total No.	Length Range (mm)
<i>Oncorhynchus mykiss</i>	rainbow trout (stocked)	1	340	-	-	-	-	-	-	-	-
<i>Salmo trutta</i>	brown trout (carryover)	8	220-290	-	-	-	-	-	-	-	-
<i>Salmo trutta</i>	brown trout (stocked)	4	212-305	-	-	-	-	-	-	-	-
<i>Salvelinus fontinalis</i>	brook trout (wild)	22	56-245	12	115-265	5	176-241	-	-	34	47-246
<i>Salvelinus fontinalis</i>	brook trout (carry over)	-	-	1	205	-	-	-	-	-	-
<i>Catostomus commersoni</i>	white sucker	50	98-295	20 est.)	*	-	-	-	-	-	-
<i>Lepomis gibbosus</i>	pumpkinseed sunfish	-	-	-	-	-	-	-	-	2	62-64
<i>Esox niger</i>	chain pickerel	3	323-470	-	-	-	-	-	-	-	-
<i>Etheostoma olmstedi</i>	tessellated darter	2	52-58	-	-	1	47	-	-	-	-
<i>Rhinichthys atratulus</i>	blacknose dace	7	36-58	-	-	-	-	-	-	-	-
<i>Rhinichthys cataractae</i>	longnose dace	16	35-122	-	-	-	-	-	-	-	-
	Total Species:	9		2		2		0		2	
	Total Individuals:	113		33 (est.)		6		0		36	
				* not measured							
Time:		1100		1115		1500		1515		1525	
Water Temp (C):		18.0		17.5		17.0		18.0		17.5	
DO (mg/l):		9.2		9.4		9.4		9.8		9.5	
pH: (std units)		5.8		5.4		5.6		5.2		6.7	
Specific Conductance (µmhos/cm@k25):		164		168		208		219		175	

Additional P-chems

	Still Creek	Pine Creek
Time:	1520	1110
Water Temp (C):	23.0	21.5
DO (mg/l):	8.2	8.7
pH: (std units)	6.2	7.6
Specific Conductance (µmhos/cm@k25):	129	148

Fish Captured Electrofishing from the Little Schuylkill River near Hometown (S.R. 54), Pennsylvania.

Scientific Name	Common Name	14-Nov-05 Downstream of Pine Creek		14-Nov-05 Upstream of Pine Creek	
		Total No.	Length Range (mm)	Total No.	Length Range (mm)
<i>Salmo trutta</i>	brown trout (carryover)	5	264-300		
<i>Salvelinus fontinalis</i>	brook trout (wild)	17	77-240	14	100-296
<i>Catostomus commersoni</i>	white sucker	30	109-266	13	120-123
<i>Esox niger</i>	chain pickerel	3	286-417		
<i>Rhinichthys atratulus</i>	blacknose dace	18	28-85		
<i>Semotilus atromaculatus</i>	creek chub	4	37-78	5	85-148
<i>Rhinichthys cataractae</i>	longnose dace	16	39-121		
<i>Exoglossum maxillingua</i>	cutlips minnow	1	115		
<i>notomogonus crysoleucas</i>	golden shiner			1	155
	Total Species:	8		4	
	Total Individuals:	94		33	
Time:			1108		1412
Water Temp (C):			9.0		9.5
DO (mg/l):			11		10.9
pH: (std units)			5.6		5.2
Conductivity (µmhos/cm@k25):			129		139

Benthic macroinvertebrates collected at Schuylkill River Station 109 downstream of the Norwegian Creek confluence during 2005.

Taxon	Sample Date:	19 May	23 June	21 July	25 Aug	16 Sept	3 Nov
Amphipoda (scuds)							
<i>Crangonyx</i>		3	11	25	185	5	15
<i>Stygonectes</i>				3			
Crustacea							
<i>Cambarus</i>					1		
Diptera (true flies)							
<i>Antocha</i>				6		1	1
Chironomidae		740	908	780	636	640	184
Dicranota			1				
<i>Hemerodromia</i>		4		1	1	1	
<i>Psychoda</i>		1					
Simuliidae			540	247	59		
<i>Simulium</i>						4	
<i>Tipula</i>		1		2			
Ephemeroptera (mayflies)							
<i>Acentrella</i>			2		1		
<i>Baetis</i>			1	11	194	64	
<i>Epeorus</i>		1					
Gastropoda							
<i>Physa</i>					1	1	1
Isopoda (sowbugs)							
<i>Caecidotea</i>		6	71	77	323	32	24
Lumbricida							
Lumbricidae		7	7	2	20	5	
Megaloptera							
<i>Corydalus</i>				1			
<i>Nigronia</i>					1		
Nematoda			3				
Nemertea							
<i>Prostoma</i>						2	1
Plecoptera (stoneflies)							
<i>Leuctra</i>			5	1			
Trichoptera (caddisflies)							
<i>Ceratopsyche</i>		4	37	252	260	248	628
<i>Cheumatopsyche</i>		17	4	292	292	116	108
<i>Hydropsyche</i>		28	16		56	176	80
Tubificida							
Naididae			7				
Tubificidae			1				2
Total Taxa		11	15	14	14	13	10
Total Individuals		812	1614	1700	2030	1295	1044

Benthic macroinvertebrates collected at Schuylkill River Station 106 upstream of the Norwegian Creek confluence during 2005.

Taxon	Sample Date:	19 May	23 June	21 July	25 Aug	16 Sept	3 Nov
Amphipoda (scuds)							
<i>Stygonectes</i>		2	17	1		5	4
Coleoptera							
<i>Stenelmis</i>						1	
Crustacea							
<i>Cambarus</i>				1		1	
<i>Orconectes</i>					1		
Diptera (true flies)							
Chironomidae		44	572	280	131	191	43
Chelifera					1		
Dicranota			6	8	4		
Hemerodromia			1	2	4	3	
<i>Ormosia</i>		1					
<i>Palpmia gr.</i>		1				2	1
<i>Psychoda</i>		2	1				
<i>Tipula</i>			2	3	4	4	
Isopoda							
<i>Caecidotea</i>					1		
Lumbriculida							
<i>Lumbriculidae</i>		1					
Megaloptera							
<i>Nigronia</i>			3	25	7	10	4
<i>Sialis</i>		1		2	4	3	
Plecoptera (stoneflies)							
<i>Leuctra</i>			3	24	3		2
Trichoptera (caddisflies)							
<i>Ceratopsyche</i>			5	103	16	88	55
<i>Cheumatopsyche</i>			2	18	2	29	43
<i>Diplectrona</i>				2	7	34	1
<i>Hydropsyche</i>		2		5	67	217	50
Tubificida							
<i>Enchytraeidae</i>		3					
Tubificidae		1	2				
Total Taxa		10	11	13	14	13	9
Total Individuals		58	614	474	252	588	203