

Water Quality Data Summary

Numine

AMD 03(0743)101.1

Cowanshannock Township Armstrong County

SIS Monitoring Point Alias ID: WLOUT (157)

Description: Outflow of White Lake

NOTES:

WLOUT					Acidity		Alkalinity
Sample		Flow	pH	Field	Total	Net	Total
Date	Source	(gpm)	(lab)	Conductivity (umhos/cm)	Lab "Hot" (mg/l)	Calculated (mg/l)	Lab (mg/l)
08/05/2004	7411156	-	6.9	-	-25.600	0.000	37.400
09/01/2004	7411156	-	7.1	-	-16.000	0.000	27.400
10/06/2004	7411156	-	5.9	-	18.000	13.800	4.200
11/04/2004	7411156	-	6.8	-	-1.800	0.000	24.600
12/02/2004	7411156	-	7.1	-	0.400	0.000	21.000
01/04/2005	7411156	-	6.8	-	5.400	0.000	18.600
02/08/2005	7411156	-	5.8	-	17.000	11.600	5.400
03/07/2005	7411156	-	6.6	-	10.400	0.000	13.000
04/05/2005	7411156	-	6.6	-	11.000	2.200	8.800
05/03/2005	7411156	-	7.4	-	-2.000	0.000	20.800
06/01/2005	7411156	-	7.2	-	-8.800	0.000	26.400
07/11/2005	7411156	-	7.8	-	-21.000	0.000	35.000
08/22/2005	7411156	-	6.7	-	-28.800	0.000	44.000
09/07/2005	7411156	-	7.0	-	-28.000	0.000	41.800
10/04/2005	7411156	-	7.7	-	-22.200	0.000	38.400
04/04/2006	7456131	30	7.2	-	-2.200	0.000	17.000
07/13/2006	7456157	-	7.7	-	-23.000	0.000	25.800
11/01/2006	7456192	-	7.1	-	-10.400	0.000	16.400
05/08/2007	7456222	-	7.4	-	9.800	0.000	13.000
09/13/2007	7456234	-	8.0	-	-33.000	0.000	38.200
01/31/2008	7456258	-	7.0	-	-10.800	0.000	14.000
04/24/2008	7456264	-	7.2	-	3.800	0.000	16.200
07/24/2008	7456273	-	8.0	-	-37.400	0.000	38.800
		-		-		0.000	
		-		-		0.000	
		-		-		0.000	
		-		-		0.000	

Always insert a row here for entering new sample data in order for statistics to calculate correctly.

Number Of	Count	1.00	14.0	0.00	14.00	18.00	14.00
Sample Dates	Max	30.00	8.0	0.00	9.80	0.00	44.00
23	Min	30.00	6.7	0.00	-37.40	0.00	13.00
	Average	30.00	7.4	#DIV/0!	-15.29	0.00	27.56
	75th Percentile	30.00	7.7	#NUM!	-3.85	0.00	38.35

90th Percentile	30.00	7.9	#NUM!	2.06	0.00	40.90
St'd. Dev.	#DIV/0!	0.4	#DIV/0!	14.45	0.00	11.42
Percent of Times					#REF!	

Sample Source Code	4341 = P.J.Shah

Alkalinity	Iron							
Net	Total	Ferrous		Calculated Ferric		Total	Total	Total
Calculated	Fe	Fe ⁺²	% Total	Fe ⁺³	% Total	Al	Mn	Sulfate
(mg/l)	(mg/l)	(mg/l)	%	(mg/l)	%	(mg/l)	(mg/l)	(mg/l)
63.000	0.112	-	-	-	-	0.200	0.074	184.900
43.400	0.575	-	-	-	-	0.262	0.125	182.500
0.000	0.107	-	-	-	-	0.703	0.315	256.500
26.400	0.139	-	-	-	-	0.200	0.190	238.500
20.600	0.182	-	-	-	-	0.438	0.189	167.900
13.200	0.305	-	-	-	-	0.409	0.270	113.500
0.000	0.033	-	-	-	-	0.546	0.576	195.200
2.600	0.104	-	-	-	-	0.420	0.500	174.500
0.000	0.429	-	-	-	-	0.841	0.334	135.900
22.800	0.130	0.020	0.154	0.110	0.846	0.235	0.156	196.700
35.200	0.199	-	-	-	-	0.278	0.080	218.300
56.000	0.073	0.060	0.822	0.013	0.178	0.200	0.025	323.800
72.800	1.120	0.030	0.027	1.090	0.973	0.718	0.053	335.600
69.800	0.025	0.020	0.800	0.005	0.200	0.200	0.016	356.200
60.600	0.115	0.020	0.174	0.095	0.826	0.200	0.035	261.200
19.200	0.134	0.020	0.149	0.114	0.851	0.224	0.149	142.500
48.800	0.057	0.030	0.526	0.027	0.474	0.200	0.042	108.400
26.800	0.099	0.040	0.404	0.059	0.596	0.423	0.154	127.800
3.200	0.195	0.300	1.000	0.000	0.000	0.305	0.266	133.300
71.200	0.026	0.020	0.769	0.006	0.231	0.200	0.035	290.600
24.800	0.070	-	#VALUE!	#VALUE!	#VALUE!	0.200	0.315	127.600
12.400	0.376	0.060	0.160	0.316	0.840	0.631	0.198	159.400
76.200	0.020	0.020	1.000	0.000	0.000	0.200	0.019	232.400
0.000			#DIV/0!	0.000	#DIV/0!			
0.000			#DIV/0!	0.000	#DIV/0!			
0.000			#DIV/0!	0.000	#DIV/0!			
0.000			#DIV/0!	0.000	#DIV/0!			
18.00	14.000	12.000	12.000	16.000	12.000	14.00	14.00	14.00
76.20	1.120	0.300	#VALUE!	#VALUE!	#VALUE!	0.72	0.32	356.20
0.00	0.020	0.020	#VALUE!	#VALUE!	#VALUE!	0.20	0.02	108.40
33.32	0.189	0.053	#VALUE!	#VALUE!	#VALUE!	0.30	0.11	215.27
59.45	0.180	0.045	#VALUE!	#VALUE!	#VALUE!	0.30	0.16	283.25

71.68	0.323	0.060	#VALUE!	#VALUE!	#VALUE!	0.57	0.25	332.06
28.57	0.284	0.079	#VALUE!	#VALUE!	#VALUE!	0.17	0.10	86.13
#REF!								

Total								
Susp.	Total	Total			Total	SPC @	Total	Total
Solids	Ca	Mg	Bromide	Chloride	Nickel	25.0 C	Sodium	Zinc
(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	umhos/cm	(mg/l)	(mg/l)
-	-	-	-	-	-	-	3.160	-
-	-	-	-	-	-	-	2.760	-
-	-	-	-	-	-	-	4.610	-
-	-	-	-	-	-	-	3.200	-
-	-	-	-	-	-	-	2.390	-
-	-	-	-	-	-	-	2.140	-
-	-	-	-	-	-	-	2.640	-
-	-	-	-	-	-	-	2.890	-
-	-	-	-	-	-	-	2.260	-
-	64.100	7.600	-	-	-	-	2.450	-
-	-	-	-	-	-	-	2.760	-
-	93.600	11.600	-	-	-	-	3.373	-
-	101.000	12.500	-	-	-	-	3.880	-
-	106.000	12.900	-	-	-	-	3.590	-
-	106.740	12.851	-	-	-	-	3.656	-
-	63.300	8.310	-	-	-	-	2.520	-
-	50.100	6.791	-	-	-	-	2.018	-
-	43.600	6.222	-	-	-	-	1.824	-
-	51.600	7.400	0.200	1.900	0.050	0.349	2.300	0.015
-	91.700	11.500	0.200	2.100	0.050	0.582	3.622	0.010
-	-	-	-	-	-	-	2.490	-
-	57.600	8.236	0.200	2.100	0.050	0.398	2.325	0.018
-	93.800	11.400	0.200	2.100	0.050	0.533	3.440	0.010

0.0	12.00	12.00
0.0	106.74	12.90
0.0	43.60	6.22
#DIV/0!	76.93	9.78
#NUM!	95.60	11.83

#NUM!	105.50	12.82
#DIV/0!	23.91	2.56

#DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0! #DIV/0!

Sulfate
(lbs/day)
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51.386
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51.39
51.39
51.39
51.39

51.39

#DIV/0!

