

Table 1 Checkdng Dam Chemical Characterization of Sediment Composite Samples Collected March 6, 2007				
Compound	Units	CS-1	CS-2	NOAA TEL NOAA (PEL)
METALS				
Mercury	mg/kg	<0.13	<0.12	0.486
Antimony	mg/kg	<0.64	<0.62	
Arsenic	mg/kg	1.6	3.8	6.9
Beryllium	mg/kg	<0.56	0.71	0.566
Cadmium	mg/kg	<0.25	0.23	0.50
Chromium	mg/kg	3.2	5.8	37.2
Copper	mg/kg	7.6	9.3	35.7
Lead	mg/kg	5.4	7.5	36
Nickel	mg/kg	<0.64	1.1	18
Selenium	mg/kg	0.26	0.35	
Silver	mg/kg	<0.62	<2.5	
Thallium	mg/kg	<2.6	<2.5	
Zinc	mg/kg	32	41	123.1
PESTICIDES				
Aldrin	mg/kg	<0.064	<0.062	
alpha-BHC	mg/kg	<0.064	<0.062	
beta-BHC	mg/kg	<0.064	<0.062	
delta-BHC	mg/kg	<0.064	<0.062	
gamma-BHC (Lindane)	mg/kg	<0.064	<0.062	
Technical Chlordane	mg/kg	<0.64	<0.62	
4,4'-DDE	mg/kg	<0.13	<0.12	
4,4'-DDD	mg/kg	<0.13	<0.12	
4,4'-DDT	mg/kg	<0.13	<0.12	
Endosulfan I	mg/kg	<0.13	<0.12	
Endosulfan II	mg/kg	<0.13	<0.12	
Endosulfan sulfate	mg/kg	<0.13	<0.12	
Endrin	mg/kg	<0.13	<0.12	
Endrin aldehyde	mg/kg	<0.13	<0.12	
Heptachlor epoxide	mg/kg	<0.064	<0.062	
Heptachlor	mg/kg	<0.064	<0.062	
Toxaphene	mg/kg	<1.3	<1.2	
POLYCHLORINATED BIPHENYLS IN SOIL				
PCB-1016 (Aroclor 1016)	mg/kg	<1.3	<1.2	
PCB-1221 (Aroclor 1221)	mg/kg	<1.3	<1.2	
PCB-1232 (Aroclor 1232)	mg/kg	<1.3	<1.2	
PCB-1242 (Aroclor 1242)	mg/kg	<1.3	<1.2	
PCB-1248 (Aroclor 1248)	mg/kg	<1.3	<1.2	
PCB-1254 (Aroclor 1254)	mg/kg	<1.3	<1.2	
PCB-1260 (Aroclor 1260)	mg/kg	<1.3	<1.2	

TEL = National Oceanic Atmospheric Administration
PEL = Exceeds Probable Effects Level

GENERAL NOTES

- TOPOGRAPHIC MAPPING WAS DERIVED FROM A SURVEY CONDUCTED BY URS ON MARCH 6, 2007. SURVEY BENCHMARKS ESTABLISHED FROM A PREVIOUS SURVEY (233.43).
- REFERENCE TO LEFT AND RIGHT BANK IS FROM A PERSPECTIVE LOOKING DOWNSTREAM.
- ENTIRE PROJECT LIMITS ARE WITHIN ONEHOCKING PRESERVE, PROPERTY OWNED BY WILLISTOWN TOWNSHIP.
- SEDIMENT SAMPLES REPORTED IN TABLE 1 ON THIS SHEET WERE BLASTED TO THE FINEST GRAIN SIZE ANALYSIS AVAILABLE IN THE STREAMBED IMPOUNDMENT.

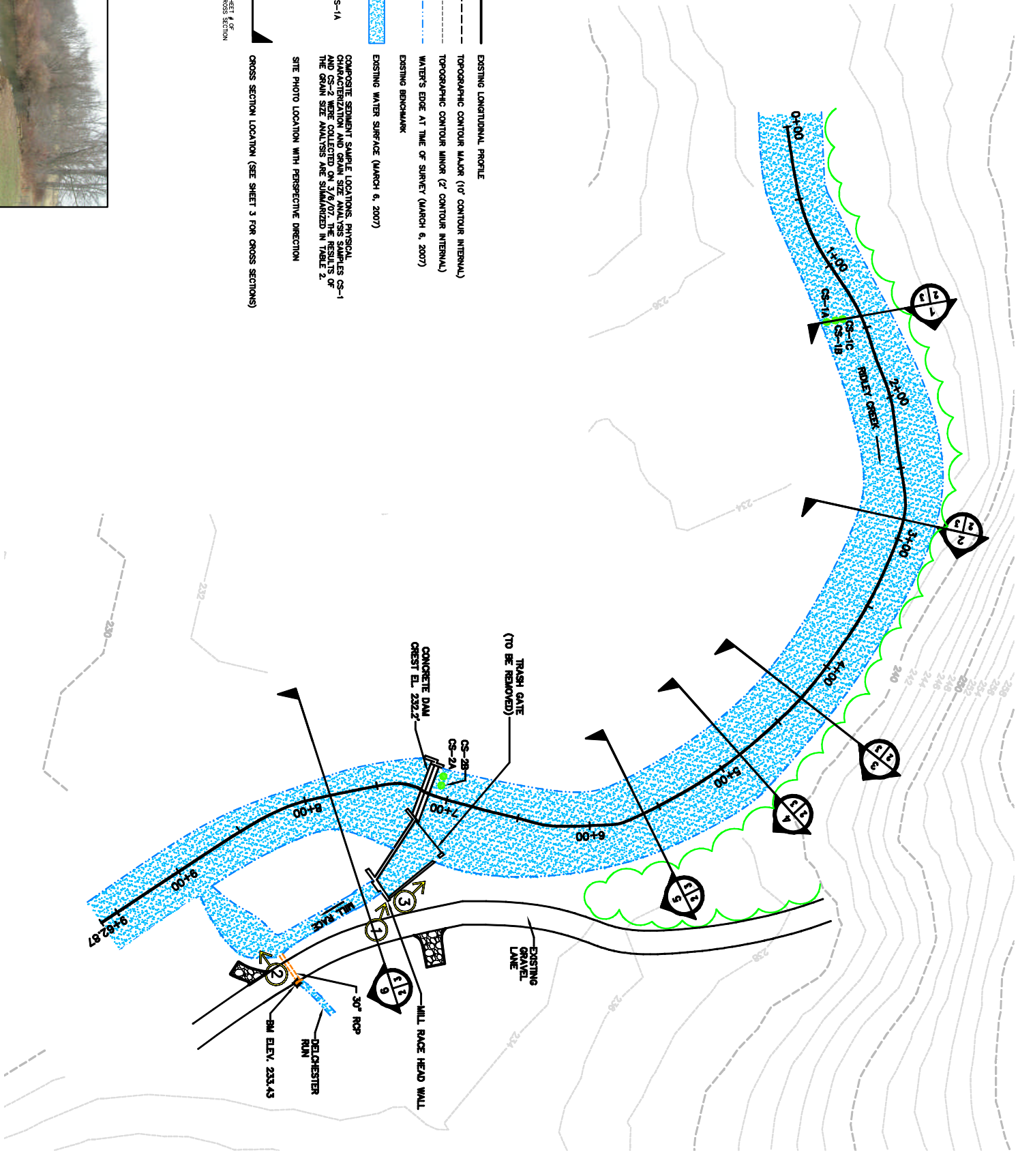
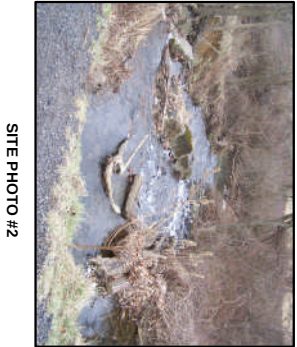


Table 2 Grain Size Distribution			
Parameter	Upstream Composite Sediment Sample (CS-1)	Impoundment Composite Sediment Sample (CS-2)	Downstream Composite Sediment Sample (CS-3)
Description	Brown Poorly Graded Sand w/ Gravel	Brown Poorly Graded Sand w/ Gravel	Brown Poorly Graded Sand
USCS Classification	SP	SP	SP
% Cobble	0.0	0.0	0.0
% Gravel	26.2	35.5	8.1
% Sand	73.2	63.4	90.8
% Fines	0.7	0.7	1.1
Grain Size Distribution Sieve #			
1-1/2"	100.0	100.0	100.0
1"	96.0	98.6	98.0
3/4"	88.6	90.3	98.8
1/2"	86.1	85.9	97.0
3/8"	73.8	64.1	91.9
10	53.3	28.9	66.0
20	25.1	8.8	19.8
40	10.2	3.4	7.3
60	3.8	1.7	3.6
100	1.4	1.0	1.9
200	0.7	0.7	1.1



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