

BRUSH RUN SPILL HOPEWELL TWP. WASHINGTON CNTY. PENNSYLVANIA October 7, 2009	BACKGROUND SAMPLE 1 TRIBUTARY UPSTREAM CHERRY RD.	BACKGROUND SAMPLE 2 UPSTREAM BACKGROUND FOR BRUSH RUN	POOL WHERE FIRST FISH KILL WAS NOTICED	UNNAMED TRIBUTARY TO BRUSH RUN OFF CHERRY RD.	BRUSH RUN DOWNSTREAM FROM TRIBUTARY SPILL IN	FIRST POOL DOWNSTREAM FROM SPILL
STRONTIUM T	334.000 UG/L	561.000 UG/L	27,330.000 UG/L	8,810.000 UG/L	3,862.000 UG/L	976.000 UG/L
MAGNESIUM T	14.700 MG/L	12.500 MG/L	69.020 MG/L	32.480 MG/L	17.500 MG/L	15.600 MG/L
MANGANESE T	436.000 UG/L	39.000 UG/L	236.000 UG/L	296.000 UG/L	124.000 UG/L	887.000 UG/L
BARIUM T	149.000 UG/L	120.000 UG/L	2,089.000 UG/L	784.000 UG/L	341.000 UG/L	191.000 UG/L
CALCIUM T	105.000 MG/L	76.500 MG/L	540.900 MG/L	289.000 MG/L	123.000 MG/L	114.000 MG/L
IRON T	1,922.000 UG/L	127.000 UG/L	151.000 UG/L	112.000 UG/L	679.000 UG/L	656.000 UG/L
TDS @105 C	414. MG/L	476. MG/L	7,270. MG/L	2,964. MG/L	1,230. MG/L	602. MG/L
SODIUM T	6.301 MG/L	42.000 MG/L	1,350.000 MG/L	473.000 MG/L	152.000 MG/L	40.400 MG/L Chloride 95.3 MG/L
HARDNESS T	323 MG/L	243 MG/L	1637 MG/L	856 MG/L	380 MG/L	349 MG/L
pH	8.2 pH units	8.1 pH units	7.8 pH units	8.1 pH units	8.0 pH units	8.2 pH units
SPC @ 25.0 C	613.00 umhos/cm	704.00 umhos/cm	10,490.00 umhos/cm	4,160.00 umhos/cm	1,696.00 umhos/cm	858.00 umhos/cm
ALKALINITY	283.8 MG/L	168.0 MG/L	193.8 MG/L	227.0 MG/L	169.6 MG/L	278.0 MG/L
POTASSIUM T	9.630 MG/L	4.709 MG/L	21.260 MG/L	12.930 MG/L	6.750 MG/L	10.100 MG/L