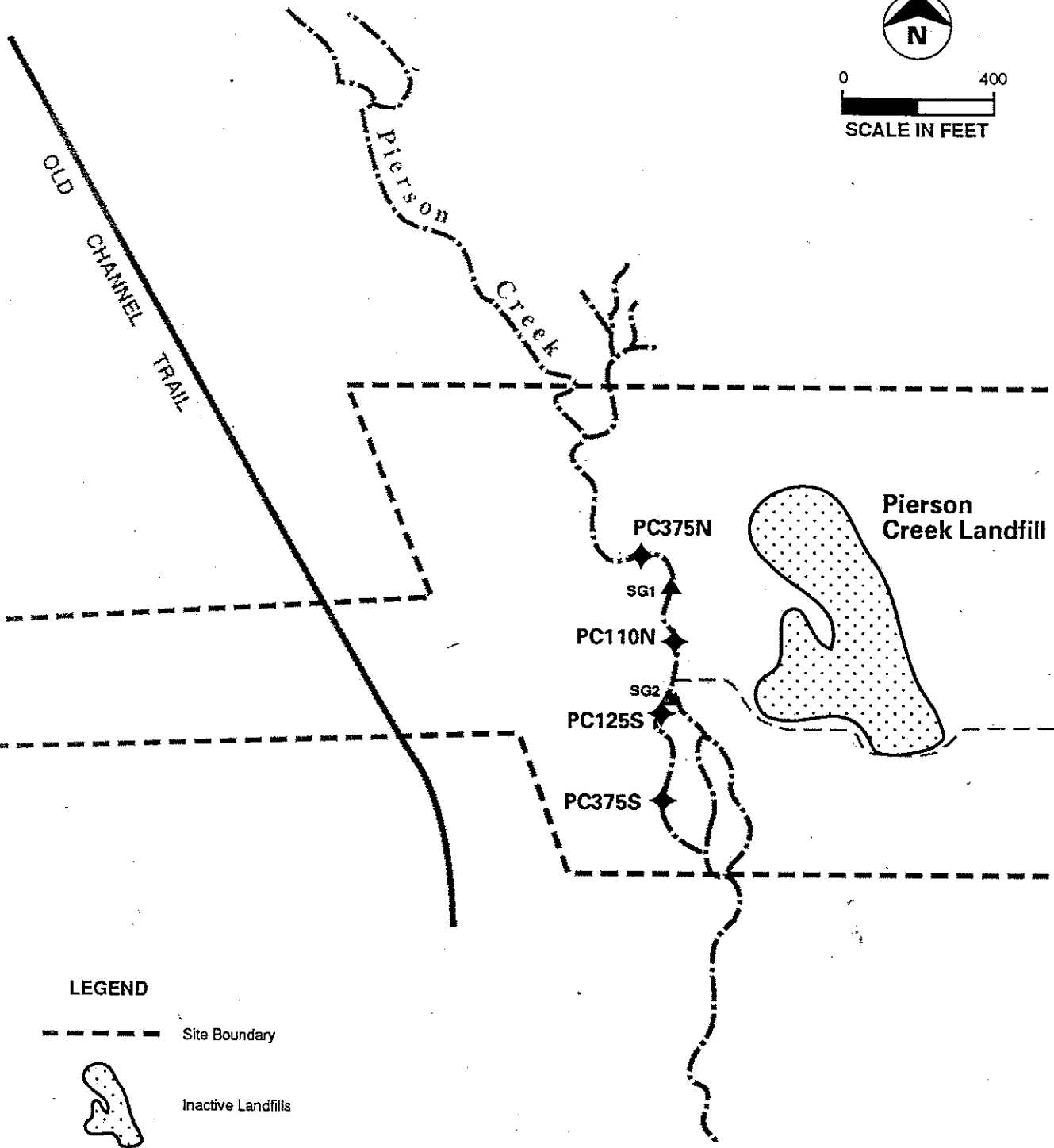








APPENDIX Q
PIERSON CREEK INFORMATION

2006 Sadony Bayou which receives water from Pierson Creek
(looking east)





LEGEND

-  Site Boundary
-  Inactive Landfills
-  Roads
-  Access Roads
-  Staff Gauge Locations
-  Surface Water / Sediment Sampling Locations

NOTE: All locations are approximate.

FIGURE 2-6
Surface Water and Sediment
Sampling Locations
Du Pont Montague Landfill RI



GLO28406.A5.02 SW SED SAMP LOCA 1-11-97.mms

DATA VALIDATION FLAGS

Data that do not meet the QA/QC criteria are qualified with flags, single letter abbreviations which indicate a problem with the data. Flags used in the results summary tables and their meaning are:

- U** Undetected. Analyte was analyzed for but not detected above the reported value.
- B** Analyte was detected in the sample and in the associated method, field, or trip blank. The quantitation of the analyte is biased high by the presence of the contaminant. The presence of this analyte in the sample may or may not be wholly attributed to the contamination.
- J** Estimated concentration values. Analyte was present but the reported value may not be accurate or precise because QA/QC measures were outside acceptance limits.
- JX** Estimated concentration value. The analyte concentration is above the instrument detection limit but below the quantitation limit for the method. For mass spectrometer detection methods the analyte was present but the reported value may not be accurate or precise. For nonmass spectrometer methods the presence of the analyte is not absolute
- UJ,L** Undetected. Analyte was analyzed for but not detected at the reported limit. The reported value may be biased low. The reported value is expected to be higher.

Laboratory reporting limits are not listed for several Appendix IX acid/base/neutral organic compounds. The dash (-) shown on the tables denotes that there is no analytical reference standard available and the compound is qualitatively searched. "Intermediate" (IND) denotes that reference standards and/or spikes cannot be detected.

GLT122/031.51

Appendix Q

Table1

Pierson Creek Analytical Results vs. Michigan Water Quality Standards

			Michigan WQS	SWPC110FRN 5/16/90	SWPC110N 5/16/90	SWPC125S 5/16/90	SWPC375N 5/16/90	SWPC375S 5/16/90
Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	1	1	1	1	1
1,1,1,2-TETRACHLOROETHANE	ug/l	T	100	<10 U	<10 U	<10 U	<10 U	<10 U
1,1,1-TRICHLOROETHANE	ug/l	T	89	<3.8 U	<3.8 U	<3.8 U	<3.8 U	<3.8 U
1,1,2,2-TETRACHLOROETHANE	ug/l	T	78	<6.9 U	<6.9 U	<6.9 U	<6.9 U	<6.9 U
1,1,2-TRICHLOROETHANE	ug/l	T	330	<5 U	<5 U	<5 U	<5 U	<5 U
1,1-DICHLOROETHANE	ug/l	T	740	<4.7 U	<4.7 U	<4.7 U	<4.7 U	<4.7 U
1,1-DICHLOROETHENE	ug/l	T	130	<2.8 U	<2.8 U	<2.8 U	<2.8 U	<2.8 U
1,2,3-TRICHLOROPROPANE	ug/l	T		<10 U	<10 U	<10 U	<10 U	<10 U
1,2,4,5-TETRACHLOROBENZENE	ug/l	T	2.9	<10 U	<11 U	<11 U	<10 U	<10 U
1,2,4-TRICHLOROBENZENE	ug/l	T	30	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/l	T		<10 U	<10 U	<10 U	<10 U	<10 U
1,2-DIBROMOETHANE (EDB)	ug/l	T	5.7	<10 U	<10 U	<10 U	<10 U	<10 U
1,2-DICHLOROBENZENE	ug/l	T	13	<2 U	<2 U	<2 U	<2 U	<2 U
1,2-DICHLOROETHANE	ug/l	T	360	<2.8 U	<2.8 U	<2.8 U	<2.8 U	<2.8 U
1,2-DICHLOROPROPANE	ug/l	T	230	<6 U	<6 U	<6 U	<6 U	<6 U
1,3,5-TRINITROBENZENE	ug/l	T		NR IND	NR IND	NR IND	NR IND	NR IND
1,3-DICHLOROBENZENE	ug/l	T	28	<2 U	<2 U	<2 U	<2 U	<2 U
1,3-DINITROBENZENE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
1,4-DICHLORO-2-BUTENE	ug/l	T		<10 U	<10 U	<10 U	<10 U	<10 U
1,4-DICHLOROBENZENE	ug/l	T	16	<4.5 U	<4.6 U	<4.7 U	<4.6 U	<4.6 U
1,4-NAPHTHOQUINONE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
1-NAPHTHYLAMINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
2,3,4,6-TETRACHLOROPHENOL	ug/l	T	1.2	<10 U	<11 U	<11 U	<10 U	<10 U
2,4,5-TRICHLOROPHENOL	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
2,4,6-TRICHLOROPHENOL	ug/l	T	5	<2.8 U	<2.8 U	<2.9 U	<2.8 U	<2.8 U
2,4-DICHLOROPHENOL	ug/l	T	19	<2.8 U	<2.8 U	<2.9 U	<2.8 U	<2.8 U
2,4-DIMETHYLPHENOL	ug/l	T	380	<2.8 U	<2.8 U	<2.9 U	<2.8 U	<2.8 U
2,4-DINITROPHENOL	ug/l	T	19	<43 U	<44 U	<45 U	<44 U	<44 U
2,4-DINITROTOLUENE	ug/l	T		<5.9 U	<6 U	<6.1 U	<5.9 U	<5.9 U
2,6-DICHLOROPHENOL	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
2,6-DINITROTOLUENE	ug/l	T		<2 U	<2 U	<2 U	<2 U	<2 U
2-ACETYLAMINOFLUORENE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
2-CHLOROPHENOL	ug/l	T	24	<3.4 U	<3.5 U	<3.5 U	<3.4 U	<3.4 U
2-HEXANONE	ug/l	T	630000	<10 U	<10 U	<10 U	<10 U	<10 U
2-METHYLNAPHTHALENE	ug/l	T	1000	<10 U	<11 U	<11 U	<10 U	<10 U
2-METHYLPHENOL (O-CRESOL)	ug/l	T	82	<10 U	<11 U	<11 U	<10 U	<10 U
2-NAPHTHYLAMINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
2-NITROANILINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
2-NITROPHENOL	ug/l	T		<3.7 U	<3.8 U	<3.9 U	<3.8 U	<3.8 U
2-PICOLINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
3- AND 4- METHYLPHENOL	ug/l	T	25	<10 U	<11 U	<11 U	<10 U	<10 U
3,3'-DICHLOROBENZIDINE	ug/l	T	0.2	<17 U	<17 U	<18 U	<17 U	<17 U
3,3'-DIMETHYLBENZIDINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
3-METHYLCHOLANTHRENE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U

< and ND = Non detect at stated reporting limit

Appendix Q

Table1

Pierson Creek Analytical Results vs. Michigan Water Quality Standards

			Michigan WQS	SWPC110FRN 5/16/90	SWPC110N 5/16/90	SWPC125S 5/16/90	SWPC375N 5/16/90	SWPC375S 5/16/90
Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	1	1	1	1	1
3-NITROANILINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
4,6-DINITRO-2-METHYLPHENOL	ug/l	T		<25 U	<25 U	<26 U	<25 U	<25 U
4-AMINOBIIPHENYL	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
4-BROMOPHENYL PHENYL ETHER	ug/l	T		<2 U	<2 U	<2 U	<2 U	<2 U
4-CHLORO-3-METHYLPHENOL	ug/l	T	7.4	<3.1 U	<3.2 U	<3.2 U	<3.1 U	<3.1 U
4-CHLOROANILINE	ug/l	T	66	<10 U	<11 U	<11 U	<10 U	<10 U
4-CHLOROPHENYL PHENYL ETHER	ug/l	T		<4.3 U	<4.4 U	<4.5 U	<4.4 U	<4.4 U
4-DIMETHYLAMINOAZOBENZENE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
4-NITROANILINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
4-NITROPHENOL	ug/l	T	60	<2.5 U	<2.5 U	<2.6 U	<2.5 U	<2.5 U
4-NITROQUINOLINE-N-OXIDE	ug/l	T		NR IND	NR IND	NR IND	NR IND	NR IND
5-NITRO-ORTHO-TOLUIDINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
7,12-DIMETHYLBENZ[A]ANTHRACENE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
ACENAPHTHENE	ug/l	T	38	<2 U	<2 U	<2 U	<2 U	<2 U
ACENAPHTHYLENE	ug/l	T		<3.6 U	<3.7 U	<3.8 U	<3.6 U	<3.6 U
ACETONE	ug/l	T	1700	<10 U	<10 U	<10 U	12.3	<10 U
ACETOPHENONE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
ACROLEIN	ug/l	T		<100 U	<100 U	<100 U	<100 U	<100 U
ACRYLONITRILE	ug/l	T	5	<100 U	<100 U	<100 U	<100 U	<100 U
ALLYL CHLORIDE	ug/l	T		<10 U	<10 U	<10 U	<10 U	<10 U
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE	ug/l	T		NR U	NR U	NR U	NR U	NR U
ANILINE	ug/l	T	4	<10 U	<11 U	<11 U	<10 U	<10 U
ANTHRACENE	ug/l	T	2400	<2 U	<2 U	<2 U	<2 U	<2 U
ANTIMONY	ug/l	T	130	<60 U	<60 U	<60 U	<60 U	<60 U
ARAMITE	ug/l	T		NR IND	NR IND	NR IND	NR IND	NR IND
ARSENIC	ug/l	T	150	<10 U	<10 U	<10 U	<10 U	<10 U
BARIUM	ug/l	T	438	<20 U	31	29	29	28
BENZENE	ug/l	T	200	<4.4 U	<4.4 U	<4.4 U	<4.4 U	<4.4 U
BENZO(A)ANTHRACENE	ug/l	T		<8 U	<8.2 U	<8.4 U	<8.1 U	<8.1 U
BENZO(B)FLUORANTHENE	ug/l	T		<4.9 U	<5.1 U	<5.2 U	<5 U	<5 U
BENZO(G,H,I)PERYLENE	ug/l	T		<4.2 U	<4.3 U	<4.4 U	<4.3 U	<4.3 U
BENZO(K)FLUORANTHENE	ug/l	T		<2.6 U	<2.6 U	<2.7 U	<2.6 U	<2.6 U
BENZO[A]PYRENE	ug/l	T		<2.6 U	<2.6 U	<2.7 U	<2.6 U	<2.6 U
BENZYL ALCOHOL	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
BERYLLIUM	ug/l	T	2	<28 U	<1 U	<1 U	<1 U	<1 U
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/l	T	290	<5.9 U	<6 U	<6.1 U	<5.9 U	<5.9 U
BIS(2-CHLOROETHOXY)METHANE	ug/l	T		<5.5 U	<5.6 U	<5.7 U	<5.5 U	<5.5 U
BIS(2-CHLOROETHYL)ETHER	ug/l	T	15	<5.9 U	<6 U	<6.1 U	<5.9 U	<5.9 U
BIS(2-ETHYLHEXYL)PHTHALATE	ug/l	T	32	<10 U	1.36 JX	43.2	4.09 JX	<10 U
BROMODICHLOROMETHANE	ug/l	T	180	<2.2 U	<2.2 U	<2.2 U	<2.2 U	<2.2 U
BROMOFORM	ug/l	T	890	<4.7 U	<4.7 U	<4.7 U	<4.7 U	<4.7 U
BUTYL BENZYL PHTHALATE	ug/l	T	67	<10 U	<11 U	<11 U	<10 U	<10 U
CADMIUM	ug/l	T	2	1	<2 U	<2 U	<2 U	<2 U

< and ND = Non detect at stated reporting limit

Appendix Q

Table1

Pierson Creek Analytical Results vs. Michigan Water Quality Standards

			Michigan WQS	SWPC110FRN 5/16/90	SWPC110N 5/16/90	SWPC125S 5/16/90	SWPC375N 5/16/90	SWPC375S 5/16/90
Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	1	1	1	1	1
CARBON DISULFIDE	ug/l	T	34000	<10 U	<10 U	<10 U	<10 U	<10 U
CARBON TETRACHLORIDE	ug/l	T	45	<2.8 U	<2.8 U	<2.8 U	<2.8 U	<2.8 U
CHLOROBENZENE	ug/l	T	47	<6 U	<6 U	<6 U	<6 U	<6 U
CHLORODIBROMOMETHANE	ug/l	T	150	<3.1 U	<3.1 U	<3.1 U	<3.1 U	<3.1 U
CHLOROFORM	ug/l	T	630	<1.6 U	<1.6 U	<1.6 U	<1.6 U	<1.6 U
CHLOROPRENE	ug/l	T		NR U	NR U	NR U	NR U	NR U
CHROMIUM	ug/l	T	74	<2 U	<10 U	<10 U	<10 U	<10 U
CHRYSENE	ug/l	T		<2.6 U	<2.6 U	<2.7 U	<2.6 U	<2.6 U
CIS-1,3-DICHLOROPROPENE	ug/l	T		<5 U	<5 U	<5 U	<5 U	<5 U
COBALT	ug/l	T	100	<10 U	<20 U	<20 U	<20 U	<20 U
COPPER	ug/l	T	9	<20 U	<10 U	<10 U	<10 U	<10 U
CYANIDE	ug/l	T	5.2	<10 U	<10 U	<10 U	<10 U	<10 U
DIALLATE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
DIBENZ(A,H)ANTHRACENE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
DIBENZOFURAN	ug/l	T	4	<10 U	<11 U	<11 U	<10 U	<10 U
DICHLORODIFLUOROMETHANE	ug/l	T	90000	<10 U	<10 U	<10 U	<10 U	<10 U
DIETHYL PHTHALATE	ug/l	T	110	<10 U	<11 U	<11 U	<10 U	<10 U
DIMETHYL PHTHALATE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
DI-N-BUTYL PHTHALATE	ug/l	T	9.7	<10 U	<11 U	<11 U	<10 U	<10 U
DINOSEB	ug/l	T	0.48	<10 U	<11 U	<11 U	<10 U	<10 U
DIPHENYL AMINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
ETHYL CHLORIDE	ug/l	T		<10 U	<10 U	<10 U	<10 U	<10 U
ETHYL METHACRYLATE	ug/l	T		<10 U	<10 U	<10 U	<10 U	<10 U
ETHYL METHANESULFONATE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
ETHYLBENZENE	ug/l	T	18	<7.2 U	<7.2 U	<7.2 U	<7.2 U	<7.2 U
FLUORANTHENE	ug/l	T	1.6	<2.3 U	<2.3 U	<2.4 U	<2.3 U	<2.3 U
FLUORENE	ug/l	T	12	<2 U	<2 U	<2 U	<2 U	<2 U
HEXACHLOROBENZENE	ug/l	T	0.0003	<2 U	<2 U	<2 U	<2 U	<2 U
HEXACHLOROBUTADIENE	ug/l	T	0.053	<0.93 U	<0.95 U	<0.97 U	<0.94 U	<0.94 U
HEXACHLOROCYCLOPENTADIENE	ug/l	T	450	<10 U	<11 U	<11 U	<10 U	<10 U
HEXACHLOROETHANE	ug/l	T	6.7	<1.6 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U
HEXACHLOROPHENE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
HEXACHLOROPROPYLENE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
INDENO (1,2,3-CD) PYRENE	ug/l	T		<4.8 U	<4.9 U	<5.1 U	<4.9 U	<4.9 U
IODOMETHANE	ug/l	T		NR IND	NR IND	NR IND	NR IND	NR IND
ISODRIN	ug/l	T		<6.1 U	<6.2 U	<6.3 U	<6.1 U	<6.1 U
ISOPHORONE	ug/l	T	1300	<2.3 U	<2.3 U	<2.4 U	<2.3 U	<2.3 U
ISOSAFROLE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
LEAD	ug/l	T	10	<10 U	1.2 JX	66	<5 U	<5 U
MERCURY	ug/l	T	0.0013	<0.2 U	<0.2 U	<0.2 U	<0.2 U	<0.2 U
METHAPYRILENE	ug/l	T		NR IND	NR IND	NR IND	NR IND	NR IND
METHYL BROMIDE	ug/l	T	35	<10 U	<10 U	<10 U	<10 U	<10 U
METHYL CHLORIDE	ug/l	T	7300	<10 U	<10 U	<10 U	<10 U	<10 U

< and ND = Non detect at stated reporting limit

Appendix Q

Table 1

Pierson Creek Analytical Results vs. Michigan Water Quality Standards

			Michigan WQS	SWPC110FRN 5/16/90	SWPC110N 5/16/90	SWPC125S 5/16/90	SWPC375N 5/16/90	SWPC375S 5/16/90
Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	1	1	1	1	1
METHYL ETHYL KETONE	ug/l	T	2200	<10 U	<10 U	<10 U	<10 U	<10 U
METHYL ISOBUTYL KETONE	ug/l	T		<10 U	<10 U	<10 U	<10 U	<10 U
METHYL METHACRYLATE	ug/l	T		<10 U	<10 U	<10 U	<10 U	<10 U
METHYL METHANESULFONATE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
METHYLENE BROMIDE	ug/l	T		NR U	NR U	NR U	NR U	NR U
METHYLENE CHLORIDE	ug/l	T	1500	<2.8 U	<2.8 U	<2.8 U	<2.8 U	<2.8 U
M-XYLENE	ug/l	T	41	<10 U	<10 U	<10 U	<10 U	<10 U
NAPHTHALENE	ug/l	T	13	<1.6 U	<1.7 U	<1.7 U	<1.7 U	<1.7 U
N-DIOCTYL PHTHALATE	ug/l	T	300	<10 U	<11 U	50.8	<10 U	<10 U
NICKEL	ug/l	T	52	<20 U	<20 U	<20 U	<20 U	<20 U
NITROBENZENE	ug/l	T		<2 U	<2 U	<2 U	<2 U	<2 U
N-NITROSO(METHYL)ETHYLAMINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
N-NITROSODIETHYLAMINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
N-NITROSODIMETHYLAMINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
N-NITROSO-DI-N-BUTYLAMINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
N-NITROSODI-N-PROPYLAMINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
N-NITROSODIPHENYLAMINE	ug/l	T		<2 U	<2 U	<2 U	<2 U	<2 U
N-NITROSOMORPHOLINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
N-NITROSOPIPERIDINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
N-NITROSOPYRROLIDINE	ug/l	T		NR IND	NR IND	NR IND	NR IND	NR IND
O,O,O-TRIETHYLPHOSPHOROTHIOATE	ug/l	T		NR IND	NR IND	NR IND	NR IND	NR IND
O-TOLUIDINE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
PARA-PHENYLENEDIAMINE	ug/l	T		NR IND	NR IND	NR IND	NR IND	NR IND
PCN-2	ug/l	T		<2 U	<2 U	<2 U	<2 U	<2 U
PENTACHLOROENZENE	ug/l	T	0.019	<10 U	<11 U	<11 U	<10 U	<10 U
PENTACHLOROETHANE	ug/l	T		NR IND	NR IND	NR IND	NR IND	NR IND
PENTACHLORONITROBENZENE	ug/l	T		NR IND	NR IND	NR IND	NR IND	NR IND
PENTACHLOROPHENOL	ug/l	T	2.8	<3.7 U	<3.8 U	<3.9 U	<3.8 U	<3.8 U
PHENACETIN	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
PHENANTHRENE	ug/l	T	2.4	<5.6 U	<5.7 U	<5.8 U	<5.6 U	<5.6 U
PHENOL	ug/l	T	450	<1.5 U	<1.6 U	<1.6 U	<1.6 U	<1.6 U
PRONAMIDE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
PYRENE	ug/l	T	15	<2 U	<2 U	<2 U	<2 U	<2 U
PYRIDINE	ug/l	T		<82 U	<84 U	<86 U	<83 U	<83 U
SAFROLE	ug/l	T		<10 U	<11 U	<11 U	<10 U	<10 U
SELENIUM	ug/l	T	5	<5 U	<5 U	<5 U	<5 U	<5 U
SILVER	ug/l	T	0.06	<10 U	<10 U	<10 U	<10 U	<10 U
STYRENE	ug/l	T	80	<10 U	<10 U	<10 U	<10 U	<10 U
SULFIDE	ug/l	T		<50 U	<50 U	<50 U	<50 U	<50 U
TETRACHLOROETHYLENE	ug/l	T	60	<4.1 U	<4.1 U	<4.1 U	<4.1 U	<4.1 U
TETRAETHYL DITHIOPYROPHOSPHATE	ug/l	T		NR U	NR U	NR U	NR U	NR U
THALLIUM	ug/l	T	3.7	<10 U	<10 U	<10 U	<10 U	<10 U
TIN	ug/l	T		<50 U	<50 U	<50 U	<50 U	<50 U

< and ND = Non detect at stated reporting limit

Appendix Q
Table 1

Pierson Creek Analytical Results vs. Michigan Water Quality Standards

			Michigan WQS	SWPC110FRN 5/16/90	SWPC110N 5/16/90	SWPC125S 5/16/90	SWPC375N 5/16/90	SWPC375S 5/16/90
Analyte	Units	Total (T)/ Diss. (D)	Screening Criteria	1	1	1	1	1
TOLUENE	ug/l	T	270	<6 U	<6 U	<6 U	<6 U	<6 U
TRANS-1,2-DICHLOROETHENE	ug/l	T	1500	<1.6 U	<1.6 U	<1.6 U	<1.6 U	<1.6 U
TRANS-1,3-DICHLOROPROPENE	ug/l	T		<10 U	<10 U	<10 U	<10 U	<10 U
TRICHLOROETHENE	ug/l	T	200	<1.9 U	<1.9 U	<1.9 U	<1.9 U	<1.9 U
TRICHLOROFLUOROMETHANE	ug/l	T		<10 U	<10 U	<10 U	<10 U	<10 U
VANADIUM	ug/l	T	12	<20 U	<20 U	<20 U	<20 U	<20 U
VINYL ACETATE	ug/l	T		<10 U	<10 U	<10 U	<10 U	<10 U
VINYL CHLORIDE	ug/l	T	13	<10 U	<10 U	<10 U	<10 U	<10 U
XYLENES	ug/l	T	41	<10 U	<10 U	<10 U	<10 U	<10 U
ZINC	ug/l	T	118	<20 U	13 JX	17 JX	14 JX	29
MI Water quality standards for human nonconsumptive use, protection of wildlife, and chronic aquatic criteria.								
Hardness dependant constituents calculated assuming a hardness of 100 mg/L.								
Value for trivalent chromium used as the screening value for chromium.								
Value for free cyanide used for cyanide.								
Value for 4-methylphenol used for the combination of 3- and 4-methylphenol.								
Value for total xylene used for m-xylene.								

< and ND = Non detect at stated reporting limit

Appendix Q

Table2

Pierson Creek Sediment Analytical Results vs. Sediment Criteria

Analyte	units	Total (T)/ Diss. (D)	EPA Region 5 ESLs Screening Criteria	Sample ID	SDPC125S	SDPC110LRN	SDPC110N	SDPC375N	SDPC375S
				Date Top (ft) Bottom (ft) Duplicate #	5/16/90 1	5/16/90 1	5/16/90 1	5/16/90 1	5/16/90 1
1,1,1,2-TETRACHLOROETHANE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
1,1,1-TRICHLOROETHANE	ug/kg	T	213		<5.4 U	<4.8 U	<4.8 U	<5 U	<5.4 U
1,1,2,2-TETRACHLOROETHANE	ug/kg	T	850		<9.7 U	<8.7 U	<8.7 U	<9.1 U	<9.9 U
1,1,2-TRICHLOROETHANE	ug/kg	T	518		<7 U	<6.3 U	<6.3 U	<6.6 U	<7.1 U
1,1-DICHLOROETHANE	ug/kg	T	0.575		<6.6 U	<5.9 U	<5.9 U	<6.2 U	<6.7 U
1,1-DICHLOROETHENE	ug/kg	T	19.4		<3.9 U	<3.5 U	<3.5 U	<3.7 U	<4 U
1,2,3-TRICHLOROPROPANE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
1,2,4,5-TETRACHLOROBENZENE	ug/kg	T	1252		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
1,2,4-TRICHLOROBENZENE	ug/kg	T	5062		<270 U	<240 U	<240 U	<250 U	<270 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
1,2-DIBROMOETHANE (EDB)	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
1,2-DICHLOROETHENE	ug/kg	T	1315		<270 U	<240 U	<240 U	<250 U	<270 U
1,2-DICHLOROETHANE	ug/kg	T	260		<3.9 U	<3.5 U	<3.5 U	<3.7 U	<4 U
1,2-DICHLOROPROPANE	ug/kg	T	333		<8.5 U	<7.6 U	<7.6 U	<7.9 U	<8.6 U
1,3,5-TRINITROBENZENE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
1,3-DICHLOROETHANE	ug/kg	T	294		<270 U	<240 U	<240 U	<250 U	<270 U
1,3-DINITROBENZENE	ug/kg	T	8.61		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
1,4-DICHLORO-2-BUTENE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
1,4-DICHLOROETHANE	ug/kg	T	318		<620 U	<560 U	<560 U	<580 U	<630 U
1,4-NAPHTHOQUINONE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
1-NAPHTHYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2,3,4,6-TETRACHLOROPHENOL	ug/kg	T	129		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2,4,5-TRICHLOROPHENOL	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2,4,6-TRICHLOROPHENOL	ug/kg	T	208		<380 U	<340 U	<340 U	<350 U	<390 U
2,4-DICHLOROPHENOL	ug/kg	T	81.7		<380 U	<340 U	<340 U	<350 U	<390 U
2,4-DIMETHYLPHENOL	ug/kg	T	304		<380 U	<340 U	<340 U	<350 U	<390 U
2,4-DINITROPHENOL	ug/kg	T	6.21		<5900 U	<5300 U	<5300 U	<5500 U	<6000 U
2,4-DINITROTOLUENE	ug/kg	T	14.4		<800 U	<720 U	<720 U	<750 U	<810 U
2,6-DICHLOROPHENOL	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2,6-DINITROTOLUENE	ug/kg	T	39.8		<270 U	<240 U	<240 U	<250 U	<270 U
2-ACETYLAMINOFLUORENE	ug/kg	T	15.3		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2-CHLOROPHENOL	ug/kg	T	31.9		<460 U	<420 U	<420 U	<430 U	<470 U
2-HEXANONE	ug/kg	T	58.2		<14 U	<13 U	<13 U	<13 U	<14 U
2-METHYLNAPHTHALENE	ug/kg	T	20.2		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2-METHYLPHENOL (O-CRESOL)	ug/kg	T	55.4		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2-NAPHTHYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2-NITROANILINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2-NITROPHENOL	ug/kg	T			<500 U	<450 U	<460 U	<470 U	<510 U
2-PICOLINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
3- AND 4- METHYLPHENOL	ug/kg	T	20.2		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
3,3'-DICHLOROETHANEDITHIOCARBONATE	ug/kg	T	127		<2300 U	<2100 U	<2100 U	<2200 U	<2400 U
3,3'-DIMETHYLBENZIDINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
3-METHYLCHOLANTHRENE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U

< and ND = Non detect at stated reporting limit

Appendix Q

Table2

Pierson Creek Sediment Analytical Results vs. Sediment Criteria

			EPA Region 5	Sample ID	SDPC 125S	SDPC110LRN	SDPC110N	SDPC375N	SDPC375S
			ESLs	Date	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90
		Total (T)/	Screening	Top (ft)					
		Diss. (D)	Criteria	Bottom (ft)					
Analyte	units			Duplicate #	1	1	1	1	1
3-NITROANILINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
4,6-DINITRO-2-METHYLPHENOL	ug/kg	T	104		<3400 U	<3000 U	<3000 U	<3100 U	<3400 U
4-AMINOBIPHENYL	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
4-BROMOPHENYL PHENYL ETHER	ug/kg	T	1550		<270 U	<240 U	<240 U	<250 U	<270 U
4-CHLORO-3-METHYLPHENOL	ug/kg	T	388		<420 U	<380 U	<380 U	<390 U	<430 U
4-CHLOROANILINE	ug/kg	T	146		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
4-CHLOROPHENYL PHENYL ETHER	ug/kg	T			<590 U	<530 U	<530 U	<550 U	<600 U
4-DIMETHYLAMINOAZOBENZENE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
4-NITROANILINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
4-NITROPHENOL	ug/kg	T	13.3		<340 U	<300 U	<300 U	<310 U	<340 U
4-NITROQUINOLINE-N-OXIDE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
5-NITRO-ORTHO-TOLUIDINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
7,12-DIMETHYLBENZ[A]ANTHRACENE	ug/kg	T	6.64E+04		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
ACENAPHTHENE	ug/kg	T	6.71		<270 U	<240 U	<240 U	<250 U	<270 U
ACENAPHTHYLENE	ug/kg	T	5.87		<490 U	<440 U	<440 U	<460 U	<500 U
ACETONE	ug/kg	T	9.9		<14 U	<13 U	<13 U	<13 U	<14 U
ACETOPHENONE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
ACROLEIN	ug/kg	T	1.52E-03		<140 U	<130 U	<130 U	<130 U	<140 U
ACRYLONITRILE	ug/kg	T	1.2		<140 U	<130 U	<130 U	<130 U	<140 U
ALLYL CHLORIDE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE	ug/kg	T			NR U	NR U	NR U	NR U	NR U
ANILINE	ug/kg	T	0.31		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
ANTHRACENE	ug/kg	T	845	*	<270 U	<240 U	<240 U	<250 U	<270 U
ANTIMONY	ug/kg	T			<7700 U	<7600 U	<7600 U	<7900 U	<8500 U
ARAMITE	ug/kg	T	1.11E-03		NR IND	NR IND	NR IND	NR IND	NR IND
ARSENIC	ug/kg	T	33000	*	<1300 U	<1300 U	<1300 U	<1300 U	<1400 U
BARIUM	ug/kg	T			2100 JX	2500 JX	2600	6400	4300
BENZENE	ug/kg	T	142		<6.2 U	<5.6 U	<5.6 U	<5.8 U	<6.3 U
BENZO(A)ANTHRACENE	ug/kg	T	1050	*	<1100 U	<980 U	<990 U	<1000 U	<1100 U
BENZO(B)FLUORANTHENE	ug/kg	T	1.04E+04		<670 U	<610 U	<610 U	<630 U	<680 U
BENZO(G,H,I)PERYLENE	ug/kg	T	170		<570 U	<520 U	<520 U	<540 U	<580 U
BENZO(K)FLUORANTHENE	ug/kg	T	240		<350 U	<320 U	<320 U	<330 U	<360 U
BENZO(A)PYRENE	ug/kg	T	1450	*	<350 U	<320 U	<320 U	<330 U	<360 U
BENZYL ALCOHOL	ug/kg	T	1.04		2470 B	1940 B	2030 B	2330 B	2340 B
BERYLLIUM	ug/kg	T			<130 U	<130 U	<130 U	35 JX	<140 U
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/kg	T			<800 U	<720 U	<720 U	<750 U	<810 U
BIS(2-CHLOROETHOXY)METHANE	ug/kg	T			<740 U	<670 U	<670 U	<700 U	<760 U
BIS(2-CHLOROETHYL)ETHER	ug/kg	T	3520		<800 U	<720 U	<720 U	<750 U	<810 U
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	T	182		<1400 U	<1300 U	525 JX, B	900 JX, B	<1400 U
BROMODICHLOROMETHANE	ug/kg	T			<3.1 U	<2.8 U	<2.8 U	<2.9 U	<3.1 U
BROMOFORM	ug/kg	T	492		<6.6 U	<5.9 U	<5.9 U	<6.2 U	<6.7 U
BUTYL BENZYL PHTHALATE	ug/kg	T	1970		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
CADMIUM	ug/kg	I	4980	*	<260 U	<250 U	<250 U	320	<280 U

< and ND = Non detect at stated reporting limit

Appendix Q

Table2

Pierson Creek Sediment Analytical Results vs. Sediment Criteria

			EPA Region 5	Sample ID	SDPC 125S	SDPC110LRN	SDPC110N	SDPC375N	SDPC375S
			ESLs	Date	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90
		Total (T)/	Screening	Top (ft)					
Analyte	units	Diss. (D)	Criteria	Bottom (ft)					
				Duplicate #	1	1	1	1	1
CARBON DISULFIDE	ug/kg	T	23.9		<14 U	<13 U	<13 U	<13 U	<14 U
CARBON TETRACHLORIDE	ug/kg	T	1450		<3.9 U	<3.5 U	<3.5 U	<3.7 U	<4 U
CHLOROBENZENE	ug/kg	T	291		<8.5 U	<7.6 U	<7.6 U	<7.9 U	<8.6 U
CHLORODIBROMOMETHANE	ug/kg	T			<4.4 U	<3.9 U	<3.9 U	<4.1 U	<4.4 U
CHLOROFORM	ug/kg	T	121		<2.3 U	<2 U	<2 U	<2.1 U	<2.3 U
CHLOROPRENE	ug/kg	T			NR U	NR U	NR U	NR U	NR U
CHROMIUM	ug/kg	T	1.11E+05	*	530 JX	540 JX	540 JX	1800	1800
CHRYSENE	ug/kg	T	1290		<350 U	<320 U	<320 U	<330 U	<360 U
CIS-1,3-DICHLOROPROPENE	ug/kg	T			<7 U	<6.3 U	<6.3 U	<6.6 U	<7.1 U
COBALT	ug/kg	T	5.00E+04		<2600 U	<2500 U	<2500 U	<2600 U	<2800 U
COPPER	ug/kg	T	1.49E+05	*	2000	<1300 U	<1300 U	690 JX	570 JX
CYANIDE	ug/kg	T	0.1		<700 U	<600 U	<600 U	<700 U	<700 U
DIALLATE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
DIBENZ(A,H)ANTHRACENE	ug/kg	T	33		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
DIBENZOFURAN	ug/kg	T	449		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
DICHLORODIFLUOROMETHANE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
DIETHYL PHTHALATE	ug/kg	T	295		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
DIMETHYL PHTHALATE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
DI-N-BUTYL PHTHALATE	ug/kg	T	1114		5730 B	<1300 U	<1300 U	804 JX, B	522 JX, B
DINOSEB	ug/kg	T	14.5		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
DIPHENYL AMINE	ug/kg	T	34.6		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
ETHYL CHLORIDE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
ETHYL METHACRYLATE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
ETHYL METHANESULFONATE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
ETHYLBENZENE	ug/kg	T	175		<10 U	<9.1 U	<9.1 U	<9.5 U	<10 U
FLUORANTHENE	ug/kg	T	2230	*	<310 U	<280 U	<280 U	<290 U	<310 U
FLUORENE	ug/kg	T	536	*	<270 U	<240 U	<240 U	<250 U	<270 U
HEXACHLOROBENZENE	ug/kg	T	20		<270 U	<240 U	<240 U	<250 U	<270 U
HEXACHLOROBUTADIENE	ug/kg	T	26.5		<130 U	<110 U	<110 U	<120 U	<130 U
HEXACHLOROCYCLOPENTADIENE	ug/kg	T	901		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
HEXACHLOROETHANE	ug/kg	T	584		<220 U	<200 U	<200 U	<210 U	<230 U
HEXACHLOROPHENE	ug/kg	T	2.31E+05		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
HEXACHLOROPROPYLENE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
INDENO (1,2,3-CD) PYRENE	ug/kg	T	200		<660 U	<590 U	<590 U	<620 U	<670 U
IODOMETHANE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
ISODRIN	ug/kg	T	55.2		<830 U	<740 U	<750 U	<770 U	<840 U
ISOPHORONE	ug/kg	T	432		<310 U	<280 U	<280 U	<290 U	<310 U
ISOSAFROLE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
LEAD	ug/kg	T	1.28E+05	*	460 JX	540 JX	540 JX	1500	510 JX
MERCURY	ug/kg	T	1060	*	<100 U	<100 U	<100 U	<110 U	<110 U
METHAPYRILENE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
METHYL BROMIDE	ug/kg	T	1.37		<14 U	<13 U	<13 U	<13 U	<14 U
METHYL CHLORIDE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U

< and ND = Non detect at stated reporting limit

Appendix Q

Table2

Pierson Creek Sediment Analytical Results vs. Sediment Criteria

			EPA Region 5	Sample ID	SDPC 125S	SDPC110LRN	SDPC110N	SDPC375N	SDPC375S
			ESLs	Date	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90
		Total (T)/	Screening	Top (ft)					
Analyte	units	Diss. (D)	Criteria	Bottom (ft)					
				Duplicate #	1	1	1	1	1
METHYL ETHYL KETONE	ug/kg	T	42.4		<14 U	<13 U	<13 U	<13 U	<14 U
METHYL ISOBUTYL KETONE	ug/kg	T	25.1		<14 U	<13 U	<13 U	<13 U	<14 U
METHYL METHACRYLATE	ug/kg	T	168		<14 U	<13 U	<13 U	<13 U	<14 U
METHYL METHANESULFONATE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
METHYLENE BROMIDE	ug/kg	T			NR U	NR U	NR U	NR U	NR U
METHYLENE CHLORIDE	ug/kg	T	159		12.6	10.7	10.7	<3.7 U	11.7
M-XYLENE	ug/kg	T	433		<14 U	<13 U	<13 U	<13 U	<14 U
NAPHTHALENE	ug/kg	T	561	*	<220 U	<200 U	<200 U	<210 U	<230 U
N-DIOCTYL PHTHALATE	ug/kg	T	4.06E+04		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
NICKEL	ug/kg	T	4.86E+04	*	<2600 U	<2500 U	<2500 U	1100 JX	990 JX
NITROBENZENE	ug/kg	T	145		<270 U	<240 U	<240 U	<250 U	<270 U
N-NITROSO(METHYL)ETHYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSODIETHYLAMINE	ug/kg	T	22.8		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSODIMETHYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSO-DI-N-BUTYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSODI-N-PROPYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSODIPHENYLAMINE	ug/kg	T			<270 U	<240 U	<240 U	<250 U	<270 U
N-NITROSOMORPHOLINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSOPIPERIDINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSOPYRROLIDINE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
O,O,O-TRIETHYLPHOSPHOROTHIOATE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
O-TOLUIDINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
PARA-PHENYLENEDIAMINE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
PCN-2	ug/kg	T			<270 U	<240 U	<240 U	<250 U	<270 U
PENTACHLOROBENZENE	ug/kg	T	24		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
PENTACHLOROETHANE	ug/kg	T	689		NR IND	NR IND	NR IND	NR IND	NR IND
PENTACHLORONITROBENZENE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
PENTACHLOROPHENOL	ug/kg	T	2.30E+04		<500 U	<450 U	<460 U	<470 U	<510 U
PHENACETIN	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
PHENANTHRENE	ug/kg	T	1170	*	<760 U	<680 U	<680 U	<710 U	<770 U
PHENOL	ug/kg	T	49.1		<210 U	<190 U	<190 U	<200 U	<210 U
PRONAMIDE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
PYRENE	ug/kg	T	1520	*	<270 U	<240 U	<240 U	<250 U	<270 U
PYRIDINE	ug/kg	T	106		<11000 U	<10000 U	<10000 U	<10000 U	<11000 U
SAFROLE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
SELENIUM	ug/kg	T			<640 U	<640 U	<640 U	<660 U	<710 U
SILVER	ug/kg	T	500		<1300 U	<1300 U	<1300 U	<1300 U	<1400 U
STYRENE	ug/kg	T	254		<14 U	<13 U	<13 U	<13 U	<14 U
SULFIDE	ug/kg	T			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U
TETRACHLOROETHYLENE	ug/kg	T	990		<5.8 U	<5.2 U	<5.2 U	<5.4 U	<5.9 U
TETRAETHYL DITHIOPYROPHOSPHATE	ug/kg	T	560		NR U	NR U	NR U	NR U	NR U
THALLIUM	ug/kg	T			<1300 U	<1300 U	<1300 U	<1300 U	<1400 U
TIN	ug/kg	I			<6400 U	<6400 U	<6400 U	1400 JX	<7100 U

< and ND = Non detect at stated reporting limit

Appendix Q

Table2

Pierson Creek Sediment Analytical Results vs. Sediment Criteria

			EPA Region 5	Sample ID	SDPC 125S	SDPC110LRN	SDPC110N	SDPC375N	SDPC375S
			ESLs	Date	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90
		Total (T)/	Screening	Top (ft)					
Analyte	units	Diss. (D)	Criteria	Bottom (ft)					
				Duplicate #	1	1	1	1	1
TOLUENE	ug/kg	T	1220		<8.5 U	<7.6 U	<7.6 U	<7.9 U	<8.6 U
TRANS-1,2-DICHLOROETHENE	ug/kg	T	654		<2.3 U	<2 U	<2 U	<2.1 U	<2.3 U
TRANS-1,3-DICHLOROPROPENE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
TRICHLOROETHENE	ug/kg	T	112		<2.7 U	<2.4 U	<2.4 U	<2.5 U	<2.7 U
TRICHLOROFLUOROMETHANE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
VANADIUM	ug/kg	T			<2600 U	<2500 U	<2500 U	2300 JX	2500 JX
VINYL ACETATE	ug/kg	T	13		<14 U	<13 U	<13 U	<13 U	<14 U
VINYL CHLORIDE	ug/kg	T	202		<14 U	<13 U	<13 U	<13 U	<14 U
XYLENES	ug/kg	T	433		<14 U	<13 U	<13 U	<13 U	<14 U
ZINC	ug/kg	I	4.59E+05	*	2700	2500 JX	2800	7800	5900
* - Consensus Based PEC levels. USEPA 2002. EPA-905-B02-001-C									

< and ND = Non detect at stated reporting limit

Appendix Q

Table 3

Pierson Creek Sediment Results vs Industrial Direct Contact

				Sample ID	SDPC125S	SDPC110LRN	SDPC110N	SDPC375N	SDPC375S
				Date	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90
				Top (ft)					
				Bottom (ft)					
Analyte	units	Total (T)/ Diss. (D)	Screening Criteria	Duplicate #	1	1	1	1	1
1,1,1,2-TETRACHLOROETHANE	ug/kg	T	440000		<14 U	<13 U	<13 U	<13 U	<14 U
1,1,1-TRICHLOROETHANE	ug/kg	T	460000		<5.4 U	<4.8 U	<4.8 U	<5 U	<5.4 U
1,1,2,2-TETRACHLOROETHANE	ug/kg	T	240000		<9.7 U	<8.7 U	<8.7 U	<9.1 U	<9.9 U
1,1,2-TRICHLOROETHANE	ug/kg	T	840000		<7 U	<6.3 U	<6.3 U	<6.6 U	<7.1 U
1,1-DICHLOROETHANE	ug/kg	T	890000		<6.6 U	<5.9 U	<5.9 U	<6.2 U	<6.7 U
1,1-DICHLOROETHENE	ug/kg	T	570000		<3.9 U	<3.5 U	<3.5 U	<3.7 U	<4 U
1,2,3-TRICHLOROPROPANE	ug/kg	T	830000		<14 U	<13 U	<13 U	<13 U	<14 U
1,2-DIBROMO-3-CHLOROPROPANE	ug/kg	T	1200		<14 U	<13 U	<13 U	<13 U	<14 U
1,2-DIBROMOETHANE (EDB)	ug/kg	T	430		<14 U	<13 U	<13 U	<13 U	<14 U
1,2-DICHLOROETHANE	ug/kg	T	210000		<270 U	<240 U	<240 U	<250 U	<270 U
1,2-DICHLOROETHANE	ug/kg	T	420000		<3.9 U	<3.5 U	<3.5 U	<3.7 U	<4 U
1,2-DICHLOROPROPANE	ug/kg	T	550000		<8.5 U	<7.6 U	<7.6 U	<7.9 U	<8.6 U
1,3-DICHLOROBENZENE	ug/kg	T	170000		<270 U	<240 U	<240 U	<250 U	<270 U
1,4-DICHLORO-2-BUTENE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
1,4-DICHLOROBENZENE	ug/kg	T	190000		<620 U	<560 U	<560 U	<580 U	<630 U
2-HEXANONE	ug/kg	T	2500000		<14 U	<13 U	<13 U	<13 U	<14 U
ACETONE	ug/kg	T	73000000		<14 U	<13 U	<13 U	<13 U	<14 U
ACROLEIN	ug/kg	T	12000000		<140 U	<130 U	<130 U	<130 U	<140 U
ACRYLONITRILE	ug/kg	T	74000		<140 U	<130 U	<130 U	<130 U	<140 U
ALLYL CHLORIDE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
BENZENE	ug/kg	T	400000		<6.2 U	<5.6 U	<5.6 U	<5.8 U	<6.3 U
BROMODICHLOROMETHANE	ug/kg	T	490000		<3.1 U	<2.8 U	<2.8 U	<2.9 U	<3.1 U
BROMOFORM	ug/kg	T	870000		<6.6 U	<5.9 U	<5.9 U	<6.2 U	<6.7 U
CARBON DISULFIDE	ug/kg	T	280000		<14 U	<13 U	<13 U	<13 U	<14 U
CARBON TETRACHLORIDE	ug/kg	T	390000		<3.9 U	<3.5 U	<3.5 U	<3.7 U	<4 U
CHLOROBENZENE	ug/kg	T	260000		<8.5 U	<7.6 U	<7.6 U	<7.9 U	<8.6 U
CHLORODIBROMOMETHANE	ug/kg	T	500000		<4.4 U	<3.9 U	<3.9 U	<4.1 U	<4.4 U
CHLOROFORM	ug/kg	T	1500000		<2.3 U	<2 U	<2 U	<2.1 U	<2.3 U
CHLOROPRENE	ug/kg	T			NR U	NR U	NR U	NR U	NR U
CIS-1,3-DICHLOROPROPENE	ug/kg	T			<7 U	<6.3 U	<6.3 U	<6.6 U	<7.1 U
DICHLORODIFLUOROMETHANE	ug/kg	T	1000000		<14 U	<13 U	<13 U	<13 U	<14 U
ETHYL CHLORIDE	ug/kg	T	950000		<14 U	<13 U	<13 U	<13 U	<14 U
ETHYL METHACRYLATE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
ETHYLBENZENE	ug/kg	T	140000		<10 U	<9.1 U	<9.1 U	<9.5 U	<10 U
IODOMETHANE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
M-XYLENE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
METHYL BROMIDE	ug/kg	T	1000000		<14 U	<13 U	<13 U	<13 U	<14 U
METHYL CHLORIDE	ug/kg	T	1100000		<14 U	<13 U	<13 U	<13 U	<14 U
METHYL ETHYL KETONE	ug/kg	T	27000000		<14 U	<13 U	<13 U	<13 U	<14 U
METHYL ISOBUTYL KETONE	ug/kg	T	2700000		<14 U	<13 U	<13 U	<13 U	<14 U
METHYL METHACRYLATE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
METHYLENE BROMIDE	ug/kg	T	2000000		NR U	NR U	NR U	NR U	NR U
METHYLENE CHLORIDE	ug/kg	I	2300000		12.6	10.7	10.7	<3.7 U	11.7

Criteria = MDEQ 27 Soil Direct Contact Indust/Comm II #27 12/2004

^ and shaded cells = Concentration above criteria (NDs [^] assumed to be 50% reporting limit)

< and ND = Non detect at stated reporting limit

Appendix Q

Table 3

Pierson Creek Sediment Results vs Industrial Direct Contact

				Sample ID	SDPC 125S	SDPC110LRN	SDPC110N	SDPC375N	SDPC375S
				Date	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90
				Top (ft)					
				Bottom (ft)					
Analyte	units	Total (T)/ Diss. (D)	Screening Criteria	Duplicate #	1	1	1	1	1
PENTACHLOROETHANE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
STYRENE	ug/kg	T	520000		<14 U	<13 U	<13 U	<13 U	<14 U
TETRACHLOROETHYLENE	ug/kg	T	88000		<5.8 U	<5.2 U	<5.2 U	<5.4 U	<5.9 U
TOLUENE	ug/kg	T	250000		<8.5 U	<7.6 U	<7.6 U	<7.9 U	<8.6 U
TRANS-1,2-DICHLOROETHENE	ug/kg	T	1400000		<2.3 U	<2 U	<2 U	<2.1 U	<2.3 U
TRANS-1,3-DICHLOROPROPENE	ug/kg	T			<14 U	<13 U	<13 U	<13 U	<14 U
TRICHLOROETHENE	ug/kg	T	500000		<2.7 U	<2.4 U	<2.4 U	<2.5 U	<2.7 U
TRICHLOROFLUOROMETHANE	ug/kg	T	560000		<14 U	<13 U	<13 U	<13 U	<14 U
VINYL ACETATE	ug/kg	T	2400000		<14 U	<13 U	<13 U	<13 U	<14 U
VINYL CHLORIDE	ug/kg	T	34000		<14 U	<13 U	<13 U	<13 U	<14 U
XYLENES	ug/kg	T	150000		<14 U	<13 U	<13 U	<13 U	<14 U
1,2,4,5-TETRACHLOROBENZENE	ug/kg	T	250000000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
1,2,4-TRICHLOROBENZENE	ug/kg	T	1100000		<270 U	<240 U	<240 U	<250 U	<270 U
1,3,5-TRINITROBENZENE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
1,3-DINITROBENZENE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
1,4-NAPHTHOQUINONE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
1-NAPHTHYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2,3,4,6-TETRACHLOROPHENOL	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2,4,5-TRICHLOROPHENOL	ug/kg	T	73000000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2,4,6-TRICHLOROPHENOL	ug/kg	T	3300000		<380 U	<340 U	<340 U	<350 U	<390 U
2,4-DICHLOROPHENOL	ug/kg	T	1800000		<380 U	<340 U	<340 U	<350 U	<390 U
2,4-DIMETHYLPHENOL	ug/kg	T	36000000		<380 U	<340 U	<340 U	<350 U	<390 U
2,4-DINITROPHENOL	ug/kg	T			<5900 U	<5300 U	<5300 U	<5500 U	<6000 U
2,4-DINITROTOLUENE	ug/kg	T	220000		<800 U	<720 U	<720 U	<750 U	<810 U
2,6-DICHLOROPHENOL	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2,6-DINITROTOLUENE	ug/kg	T			<270 U	<240 U	<240 U	<250 U	<270 U
2-ACETYLAMINOFLUORENE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2-CHLOROPHENOL	ug/kg	T	4500000		<460 U	<420 U	<420 U	<430 U	<470 U
2-METHYLNAPHTHALENE	ug/kg	T	26000000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2-METHYLPHENOL (O-CRESOL)	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2-NAPHTHYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2-NITROANILINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
2-NITROPHENOL	ug/kg	T	2000000		<500 U	<450 U	<460 U	<470 U	<510 U
2-PICOLINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
3,3'-DICHLOROBENZIDINE	ug/kg	T	30000		<2300 U	<2100 U	<2100 U	<2200 U	<2400 U
3,3'-DIMETHYLBENZIDINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
3- AND 4- METHYLPHENOL	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
3-METHYLCHOLANTHRENE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
3-NITROANILINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
4,6-DINITRO-2-METHYLPHENOL	ug/kg	T	260000		<3400 U	<3000 U	<3000 U	<3100 U	<3400 U
4-AMINOBIPHENYL	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
4-BROMOPHENYL PHENYL ETHER	ug/kg	T			<270 U	<240 U	<240 U	<250 U	<270 U
4-CHLORO-3-METHYLPHENOL	ug/kg	I	15000000		<420 U	<380 U	<380 U	<390 U	<430 U

Criteria = MDEQ 27 Soil Direct Contact Indust/Comm II #27 12/2004

^ and shaded cells = Concentration above criteria (NDs [^] assumed to be 50% reporting limit)

< and ND = Non detect at stated reporting limit

Appendix Q

Table 3

Pierson Creek Sediment Results vs Industrial Direct Contact

				Sample ID	SDPC125S	SDPC110LRN	SDPC110N	SDPC375N	SDPC375S
				Date	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90
				Top (ft)					
				Bottom (ft)					
Analyte	units	Total (T)/ Diss. (D)	Screening Criteria	Duplicate #	1	1	1	1	1
4-CHLOROANILINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
4-CHLOROPHENYL PHENYL ETHER	ug/kg	T			<590 U	<530 U	<530 U	<550 U	<600 U
4-DIMETHYLAMINOAZOBENZENE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
4-NITROANILINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
4-NITROPHENOL	ug/kg	T			<340 U	<300 U	<300 U	<310 U	<340 U
4-NITROQUINOLINE-N-OXIDE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
5-NITRO-ORTHO-TOLUIDINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
7,12-DIMETHYLBENZ[A]ANTHRACENE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
ACENAPHTHENE	ug/kg	T	130000000		<270 U	<240 U	<240 U	<250 U	<270 U
ACENAPHTHYLENE	ug/kg	T	5200000		<490 U	<440 U	<440 U	<460 U	<500 U
ACETOPHENONE	ug/kg	T	1100000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
ALPHA,ALPHA-DIMETHYLPHENETHYLAMINE	ug/kg	T			NR U	NR U	NR U	NR U	NR U
ANILINE	ug/kg	T	1500000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
ANTHRACENE	ug/kg	T	730000000		<270 U	<240 U	<240 U	<250 U	<270 U
ARAMITE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
BENZO(A)ANTHRACENE	ug/kg	T	80000		<1100 U	<980 U	<980 U	<1000 U	<1100 U
BENZO(B)FLUORANTHENE	ug/kg	T	80000		<670 U	<610 U	<610 U	<630 U	<680 U
BENZO(G,H,I)PERYLENE	ug/kg	T	7000000		<570 U	<520 U	<520 U	<540 U	<580 U
BENZO(K)FLUORANTHENE	ug/kg	T	800000		<350 U	<320 U	<320 U	<330 U	<360 U
BENZO[A]PYRENE	ug/kg	T	8000		<350 U	<320 U	<320 U	<330 U	<360 U
BENZYL ALCOHOL	ug/kg	T	5800000		2470 B	1940 B	2030 B	2330 B	2340 B
BIS(2-CHLORO-1-METHYLETHYL) ETHER	ug/kg	T			<800 U	<720 U	<720 U	<750 U	<810 U
BIS(2-CHLOROETHOXY)METHANE	ug/kg	T			<740 U	<670 U	<670 U	<700 U	<760 U
BIS(2-CHLOROETHYL)ETHER	ug/kg	T	58000		<800 U	<720 U	<720 U	<750 U	<810 U
BIS(2-ETHYLHEXYL)PHTHALATE	ug/kg	T	10000000		<1400 U	<1300 U	525 JX, B	900 JX, B	<1400 U
BUTYL BENZYL PHTHALATE	ug/kg	T	310000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
CHRYSENE	ug/kg	T	8000000		<350 U	<320 U	<320 U	<330 U	<360 U
DI-N-BUTYL PHTHALATE	ug/kg	T	760000		5730 B	<1300 U	<1300 U	804 JX, B	522 JX, B
DIALATE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
DIBENZ(A,H)ANTHRACENE	ug/kg	T	8000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
DIBENZOFURAN	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
DIETHYL PHTHALATE	ug/kg	T	740000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
DIMETHYL PHTHALATE	ug/kg	T	790000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
DIPHENYL AMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
ETHYL METHANESULFONATE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
FLUORANTHENE	ug/kg	T	130000000		<310 U	<280 U	<280 U	<290 U	<310 U
FLUORENE	ug/kg	T	87000000		<270 U	<240 U	<240 U	<250 U	<270 U
HEXACHLOROBENZENE	ug/kg	T	37000		<270 U	<240 U	<240 U	<250 U	<270 U
HEXACHLOROBUTADIENE	ug/kg	T	350000		<130 U	<110 U	<110 U	<120 U	<130 U
HEXACHLOROCYCLOPENTADIENE	ug/kg	T	720000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
HEXACHLOROETHANE	ug/kg	T	730000		<220 U	<200 U	<200 U	<210 U	<230 U
HEXACHLOROPHENE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
HEXACHLOROPROPYLENE	ug/kg	I			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U

Criteria = MDEQ 27 Soil Direct Contact Indust/Comm II #27 12/2004

^ and shaded cells = Concentration above criteria (NDs [^] assumed to be 50% reporting limit)

< and ND = Non detect at stated reporting limit

Appendix Q

Table 3

Pierson Creek Sediment Results vs Industrial Direct Contact

				Sample ID	SDPC125S	SDPC110LRN	SDPC110N	SDPC375N	SDPC375S
				Date	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90
				Top (ft)					
				Bottom (ft)					
Analyte	units	Total (T)/ Diss. (D)	Screening Criteria	Duplicate #	1	1	1	1	1
INDENO (1,2,3-CD) PYRENE	ug/kg	T	80000		<660 U	<590 U	<590 U	<620 U	<670 U
ISODRIN	ug/kg	T			<830 U	<740 U	<750 U	<770 U	<840 U
ISOPHORONE	ug/kg	T	2400000		<310 U	<280 U	<280 U	<290 U	<310 U
ISOSAFROLE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
METHAPYRILENE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
METHYL METHANESULFONATE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-DIOCTYL PHTHALATE	ug/kg	T	20000000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSO(METHYL)ETHYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSO-DI-N-BUTYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSODI-N-PROPYLAMINE	ug/kg	T	5400		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSODIETHYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSODIMETHYLAMINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSODIPHENYLAMINE	ug/kg	T	7800000		<270 U	<240 U	<240 U	<250 U	<270 U
N-NITROSOMORPHOLINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSOPIPERIDINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
N-NITROSOPYRROLIDINE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
NAPHTHALENE	ug/kg	T	52000000		<220 U	<200 U	<200 U	<210 U	<230 U
NITROBENZENE	ug/kg	T	340000		<270 U	<240 U	<240 U	<250 U	<270 U
O,O,O-TRIETHYLPHOSPHOROTHIOATE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
O-TOLUIDINE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
PARA-PHENYLENEDIAMINE	ug/kg	T			NR IND	NR IND	NR IND	NR IND	NR IND
PCN-2	ug/kg	T	180000000		<270 U	<240 U	<240 U	<250 U	<270 U
PENTACHLOROBENZENE	ug/kg	T	190000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
PENTACHLORONITROBENZENE	ug/kg	T	5500000		NR IND	NR IND	NR IND	NR IND	NR IND
PENTACHLOROPHENOL	ug/kg	T	320000		<500 U	<450 U	<460 U	<470 U	<510 U
PHENACETIN	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
PHENANTHRENE	ug/kg	T	5200000		<760 U	<680 U	<680 U	<710 U	<770 U
PHENOL	ug/kg	T	12000000		<210 U	<190 U	<190 U	<200 U	<210 U
PRONAMIDE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
PYRENE	ug/kg	T	84000000		<270 U	<240 U	<240 U	<250 U	<270 U
PYRIDINE	ug/kg	T	37000		<11000 U	<10000 U	<10000 U	<10000 U	<11000 U
SAFROLE	ug/kg	T			<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
TETRAETHYL DITHIOPYROPHOSPHATE	ug/kg	T			NR U	NR U	NR U	NR U	NR U
DINOSEB	ug/kg	T	140000		<1400 U	<1300 U	<1300 U	<1300 U	<1400 U
ANTIMONY	ug/kg	T	670000		<7700 U	<7600 U	<7600 U	<7900 U	<8500 U
ARSENIC	ug/kg	T	37000		<1300 U	<1300 U	<1300 U	<1300 U	<1400 U
BARIUM	ug/kg	T	130000000		2100 JX	2500 JX	2600	6400	4300
BERYLLIUM	ug/kg	T	1600000		<130 U	<130 U	<130 U	35 JX	<140 U
CADMIUM	ug/kg	T	2100000		<260 U	<250 U	<250 U	320	<280 U
CHROMIUM	ug/kg	T			530 JX	540 JX	540 JX	1800	1800
COBALT	ug/kg	T	9000000		<2600 U	<2500 U	<2500 U	<2600 U	<2800 U
COPPER	ug/kg	T	73000000		2000	<1300 U	<1300 U	690 JX	570 JX
LEAD	ug/kg	I	900000		460 JX	540 JX	540 JX	1500	510 JX

Criteria = MDEQ 27 Soil Direct Contact Indust/Comm II #27 12/2004

^ and shaded cells = Concentration above criteria (NDs [^] assumed to be 50% reporting limit)

< and ND = Non detect at stated reporting limit

Appendix Q

Table 3

Pierson Creek Sediment Results vs Industrial Direct Contact

				Sample ID	SDPC125S	SDPC110LRN	SDPC110N	SDPC375N	SDPC375S
				Date	5/16/90	5/16/90	5/16/90	5/16/90	5/16/90
				Top (ft)					
		Total (T)/	Screening	Bottom (ft)					
Analyte	units	Diss. (D)	Criteria	Duplicate #	1	1	1	1	1
MERCURY	ug/kg	T	580000		<100 U	<100 U	<100 U	<110 U	<110 U
NICKEL	ug/kg	T	150000000		<2600 U	<2500 U	<2500 U	1100 JX	990 JX
SELENIUM	ug/kg	T	9600000		<640 U	<640 U	<640 U	<660 U	<710 U
SILVER	ug/kg	T	9000000		<1300 U	<1300 U	<1300 U	<1300 U	<1400 U
THALLIUM	ug/kg	T	130000		<1300 U	<1300 U	<1300 U	<1300 U	<1400 U
TIN	ug/kg	T			<6400 U	<6400 U	<6400 U	1400 JX	<7100 U
VANADIUM	ug/kg	T	5500000		<2600 U	<2500 U	<2500 U	2300 JX	2500 JX
ZINC	ug/kg	T	630000000		2700	2500 JX	2800	7800	5900
CYANIDE	ug/kg	T	250000		<700 U	<600 U	<600 U	<700 U	<700 U
SULFIDE	ug/kg	I			<1000 U	<1000 U	<1000 U	<1000 U	<1000 U

Criteria = MDEQ 27 Soil Direct Contact Indust/Comm II #27 12/2004

^ and shaded cells = Concentration above criteria (NDs [^] assumed to be 50% reporting limit)

< and ND = Non detect at stated reporting limit