

Table 5-4

Surface Water Analytical Results
Ground Scar South of Building 3134, Parcel 153(7)
Fort McClellan, Calhoun County, Alabama

Parcel Sample Location Sample Number Sample Date					GSBP-153 GSBP-153-SW/SD01 BZ2001 19-Jan-00				
Parameter	Units	BKG ^a	SSSL ^b	ESV ^b	Result	Qual	>BKG	>SSSL	>ESV
METALS									
Aluminum	mg/L	5.26E+00	1.53E+01	8.70E-02	1.95E+00	J			YES
Barium	mg/L	7.53E-02	1.10E+00	3.90E-03	3.58E-02	J			YES
Calcium	mg/L	2.52E+01	NA	1.16E+02	1.36E+01				
Iron	mg/L	1.96E+01	4.70E+00	1.00E+00	2.06E+00				YES
Magnesium	mg/L	1.10E+01	NA	8.20E+01	3.15E+00	J			
Manganese	mg/L	5.65E-01	6.40E-01	8.00E-02	9.60E-03	J			
Potassium	mg/L	2.56E+00	NA	5.30E+01	1.02E+00	J			
Sodium	mg/L	3.44E+00	NA	6.80E+02	1.20E+00	J			
Vanadium	mg/L	1.52E-02	7.90E-02	1.90E-02	3.80E-03	J			
Zinc	mg/L	4.03E-02	4.65E+00	5.89E-02	1.14E-02	J			
VOLATILE ORGANIC COMPOUNDS									
Acetone	mg/L	NA	1.57E+00	7.80E+01	1.60E-03	B			

Analyses performed using U.S. Environmental Protection Agency (EPA) SW-846 analytical methods, including Update III methods where applicable.

^a Bkg - Background. Concentration listed is two times (2x) the arithmetic mean of background metals concentration given in Science Applications International Corporation (1998), *Final Background Metals Survey Report, Fort McClellan, Alabama, July*.

^b Recreational user human health site-specific screening level (SSSL) and ecological screening value (ESV) as given in IT Corporation (2000), *Final Human Health and Ecological Screening Values and PAH Background Summary Report, Fort McClellan, Calhoun County, Alabama, July*.

B - Analyte detected in laboratory or field blank at concentration greater than the reporting limit (and greater than zero).

J - Result is greater than method detection limit but less than or equal to reporting limit.

mg/L - Milligrams per liter.

NA - Not available.

ND - Not detected.

Qual - Data validation qualifier.