APPENDIX F

SUMMARY OF VALIDATED ANALYTICAL DATA

Summary of Validated Surface and Depositional Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-DEP01			HR-237Q-DEP02			HR-237Q-DEP02			HR-237Q-GP01		
	Associated Site:	HR-237Q			HR-237Q			HR-237Q			HR-237Q		
	Sample No:	JA0014			JA0015			JA0016			JA0001		
	Sample Date:	28-AUG-01			28-AUG-01			28-AUG-01			19-JUN-01		
User Test Group	*Sample Depth:*	0 - .5			0 - .5			0 - .5			0 - 1		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
EXPLOSIVES													
SW8330													
1,3,5-Trinitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.25	U	U
2,6-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.25	U	U
HMX	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.50	U	U
Nitrobenzene	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.25	U	U
RDX	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.50	U	U
Tetryl	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	.4	U	U	.4	U	U	.4	U	U	0.25	U	U
METALS													
SW6010B													
Aluminum	mg/kg	5600			18300			17900			17700		J
Antimony	mg/kg	10.7	U	UJ	14.4	U	UJ	14.3	U	UJ	1.2	B	J
Arsenic	mg/kg	5.55			3.37			3.66			17.0		J
Barium	mg/kg	43.6		J	116		J	115		J	114		J
Beryllium	mg/kg	.598	J	J	1.02	J	B	.985	J	B	0.83		B
Cadmium	mg/kg	.535	U	U	.722	U	U	.715	U	U	0.16	B	J
Calcium	mg/kg	448			2070			2450			1400		J
Chromium	mg/kg	14.1		J	15.6		J	14.3		J	18.7		J
Cobalt	mg/kg	3.87		J	6.21		J	6.03		J	12.1		J
Copper	mg/kg	6.06			10.2			9.88			11.3		J
Iron	mg/kg	17400			15100			15100			48200		
Lead	mg/kg	11.2		J	32		J	30.6		J	40.6		J
Magnesium	mg/kg	659			1280			1300			532	B	J
Manganese	mg/kg	87.7			112			131			1680		J

Summary of Validated Surface and Depositional Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-GP02			HR-237Q-GP03			HR-237Q-GP04			HR-237Q-MW01		
	Associated Site:	HR-237Q			HR-237Q			HR-237Q			HR-237Q		
	Sample No:	JA0003			JA0005			JA0007			JA0009		
	Sample Date:	18-JUN-01			18-JUN-01			18-JUN-01			18-JUN-01		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			0 - 1		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
EXPLOSIVES													
SW8330													
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,6-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	0.65	U	U	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
METALS													
SW6010B													
Aluminum	mg/kg	14500		J	15500		J	16400		J	14700		J
Antimony	mg/kg	7.2	U	UJ	0.71	B	J	0.76	B	J	0.81	B	J
Arsenic	mg/kg	6.3		J	7.1		J	10.4		J	8.3		J
Barium	mg/kg	76.8		J	73.5		J	123		J	93.3		J
Beryllium	mg/kg	0.47	B	B	0.48	B	B	0.67		B	0.78		B
Cadmium	mg/kg	0.60	U	U	0.60	U	U	0.11	B	J	0.59	U	U
Calcium	mg/kg	536	B	J	127	B	J	504	B	J	401	B	J
Chromium	mg/kg	13.1		J	18.7		J	36.1		J	35.1		J
Cobalt	mg/kg	14.1		J	19.7		J	25.8		J	19.0		J
Copper	mg/kg	7.9		J	9.3		J	8.7		J	7.5		J
Iron	mg/kg	20300			23600			30300			25800		
Lead	mg/kg	29.9		J	32.8		J	64.9		J	40.4		J
Magnesium	mg/kg	577	B	J	704		J	480	B	J	427	B	J
Manganese	mg/kg	1080		J	1860		J	2700		J	2280		J

Summary of Validated Surface and Depositional Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-MW02			HR-238Q-DEP01			HR-238Q-GP01			HR-238Q-GP02		
	Associated Site:	HR-237Q			HR-238Q			HR-238Q			HR-238Q		
	Sample No:	JA0011			JC0010			JC0001			JC0003		
	Sample Date:	18-JUN-01			28-AUG-01			19-JUN-01			19-JUN-01		
User Test Group / *Lab Method*	*Sample Depth:*	0 - 1			0 - .5			0 - 1			0 - 1		
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
EXPLOSIVES													
SW8330													
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	.4	U	U	0.25	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	0.25	U	U	.4	U	U	0.25	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	.4	U	U	0.25	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	0.25	U	U	.4	U	U	0.25	U	U	0.25	U	U
2,6-Dinitrotoluene	mg/kg	0.25	U	U	.4	U	U	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	.4	U	U	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	.4	U	U	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	.4	U	U	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	.4	U	U	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	.4	U	U	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	.4	U	U	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	.4	U	U	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	.4	U	U	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	.4	U	U	0.25	U	U	0.25	U	U
METALS													
SW6010B													
Aluminum	mg/kg	13100		J	12600			13200			10500		
Antimony	mg/kg	0.60	B	J	11.7	U	U	1.6	B	J	6.5	U	U
Arsenic	mg/kg	8.2		J	5.15			26.5			2.3		
Barium	mg/kg	102		J	90.5			58.3			39.7		
Beryllium	mg/kg	0.89		B	.539	J	B	1.3			0.65		
Cadmium	mg/kg	0.070	B	J	.586	U	U	0.65	U	U	0.54	U	U
Calcium	mg/kg	237	B	J	532			42.1	B	J	464	B	J
Chromium	mg/kg	61.0		J	12.7			20.0			12.3		
Cobalt	mg/kg	14.4		J	8.49			13.2			14.9		
Copper	mg/kg	8.5		J	11.8			56.0			0.89	B	J
Iron	mg/kg	27000			20700			69600			18300		
Lead	mg/kg	26.6		J	13.5			53.5			8.3		
Magnesium	mg/kg	501	B	J	1190			584	B	J	7020		
Manganese	mg/kg	2190		J	335			663			286		

Summary of Validated Surface and Depositional Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-238Q-GP03			HR-238Q-MW01		
	Associated Site:	HR-238Q			HR-238Q		
	Sample No:	JC0005			JC0008		
	Sample Date:	19-JUN-01			18-JUN-01		
User Test Group	*Sample Depth:*	0 - 1			0 - 1		
Lab Method							
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
EXPLOSIVES							
SW8330							
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	0.25	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U
2,6-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U
METALS							
SW6010B							
Aluminum	mg/kg	18400			11200		
Antimony	mg/kg	0.62	B	J	7.5	U	U
Arsenic	mg/kg	7.5			7.2		
Barium	mg/kg	61.8			57.3		
Beryllium	mg/kg	0.54	B	J	0.71		
Cadmium	mg/kg	0.62	U	U	0.62	U	U
Calcium	mg/kg	177	B	J	93.9	B	J
Chromium	mg/kg	32.4			18.2		
Cobalt	mg/kg	4.4	B	J	12.3		
Copper	mg/kg	12.1			36.4		
Iron	mg/kg	34000			28700		
Lead	mg/kg	11.3			53.7		
Magnesium	mg/kg	929			1220		
Manganese	mg/kg	122			997		

Summary of Validated Surface and Depositional Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-DEP01			HR-237Q-DEP02			HR-237Q-DEP02			HR-237Q-GP01		
	Associated Site:	HR-237Q			HR-237Q			HR-237Q			HR-237Q		
	Sample No:	JA0014			JA0015			JA0016			JA0001		
	Sample Date:	28-AUG-01			28-AUG-01			28-AUG-01			19-JUN-01		
User Test Group	*Sample Depth:*	0 - .5			0 - .5			0 - .5			0 - 1		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS													
SW6010B													
Nickel	mg/kg	3.2			9.58			9.12			12.1		J
Potassium	mg/kg	575			1080			955			646		J
Selenium	mg/kg	1.07	U	U	1.44	U	U	1.43	U	U	0.63	U	UJ
Silver	mg/kg	.678	J	J	.924	J	J	1.43	U	U	1.3	U	UJ
Sodium	mg/kg	107	U	U	144	U	U	143	U	U	631	U	U
Thallium	mg/kg	2.14	U	U	2.89	U	U	2.86	U	U	1.2	B	B
Vanadium	mg/kg	12.8			27.9			27.7			59.5		J
Zinc	mg/kg	12.7			39.2			38.3			39.7		J
SW7471A													
Mercury	mg/kg	.107	U	U	.055	J	J	.101	J	J	0.15		
TOC													
SW9060													
Total Organic Carbon	mg/kg												

Summary of Validated Surface and Depositional Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-GP02			HR-237Q-GP03			HR-237Q-GP04			HR-237Q-MW01		
	Associated Site:	HR-237Q			HR-237Q			HR-237Q			HR-237Q		
	Sample No:	JA0003			JA0005			JA0007			JA0009		
	Sample Date:	18-JUN-01			18-JUN-01			18-JUN-01			18-JUN-01		
User Test Group	*Sample Depth:*	0 - 1			0 - 1			0 - 1			0 - 1		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS													
SW6010B													
Nickel	mg/kg	7.1		J	8.7		J	8.5		J	8.7		J
Potassium	mg/kg	752		J	803		J	603		J	629		J
Selenium	mg/kg	0.60	U	UJ	0.60	U	UJ	0.58	U	UJ	0.59	U	UJ
Silver	mg/kg	1.2	U	UJ	1.2	U	UJ	1.2	U	UJ	1.2	U	UJ
Sodium	mg/kg	597	U	U	598	U	U	577	U	U	590	U	U
Thallium	mg/kg	0.80	B	B	1.2			1.4			1.3		
Vanadium	mg/kg	30.4		J	38.8		J	54.6		J	46.0		J
Zinc	mg/kg	23.7		J	32.4		J	25.4		J	25.2		J
SW7471A													
Mercury	mg/kg	0.058			0.066			0.13			0.043		
TOC													
SW9060													
Total Organic Carbon	mg/kg												

Summary of Validated Surface and Depositional Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-MW02			HR-238Q-DEP01			HR-238Q-GP01			HR-238Q-GP02		
	Associated Site:	HR-237Q			HR-238Q			HR-238Q			HR-238Q		
	Sample No:	JA0011			JC0010			JC0001			JC0003		
	Sample Date:	18-JUN-01			28-AUG-01			19-JUN-01			19-JUN-01		
User Test Group	*Sample Depth:*	0 - 1			0 - .5			0 - 1			0 - 1		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS													
SW6010B													
Nickel	mg/kg	8.0		J	6.89			26.9			21.9		
Potassium	mg/kg	648		J	1220			800			6100		
Selenium	mg/kg	0.62	U	UJ	1.17	U	U	0.65	U	U	0.54	U	U
Silver	mg/kg	1.2	U	UJ	.852	J	B	1.3	U	U	1.1	U	U
Sodium	mg/kg	615	U	U	31.9	J	J	650	U	U	542	U	U
Thallium	mg/kg	1.1	B	B	2.34	U	U	0.90	B	B	1.1	U	U
Vanadium	mg/kg	34.9		J	18.1			48.2			10.7		
Zinc	mg/kg	24.6		J	36.4			92.0			37.9		
SW7471A													
Mercury	mg/kg	0.046			.035	J	B	0.12			0.0087	B	J
TOC													
SW9060													
Total Organic Carbon	mg/kg				97.8								

Summary of Validated Surface and Depositional Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-238Q-GP03			HR-238Q-MW01		
	Associated Site:	HR-238Q			HR-238Q		
	Sample No:	JC0005			JC0008		
	Sample Date:	19-JUN-01			18-JUN-01		
User Test Group	*Sample Depth:*	0 - 1			0 - 1		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS							
SW6010B							
Nickel	mg/kg	7.5			11.3		
Potassium	mg/kg	1290			1470		
Selenium	mg/kg	0.62	U	U	0.62	U	U
Silver	mg/kg	1.2	U	U	1.2	U	U
Sodium	mg/kg	624	U	U	623	U	U
Thallium	mg/kg	1.2	U	U	1.8		
Vanadium	mg/kg	39.3			25.5		
Zinc	mg/kg	25.5			40.4		
SW7471A							
Mercury	mg/kg	0.062			0.030	B	J
TOC							
SW9060							
Total Organic Carbon	mg/kg						

Summary of Validated Subsurface Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-GP01			HR-237Q-GP02			HR-237Q-GP03			HR-237Q-GP04		
	Associated Site:	HR-237Q			HR-237Q			HR-237Q			HR-237Q		
	Sample No:	JA0002			JA0004			JA0006			JA0008		
	Sample Date:	19-JUN-01			18-JUN-01			18-JUN-01			18-JUN-01		
User Test Group	*Sample Depth:*	11 - 12			10 - 12			11 - 12			1 - 12		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
EXPLOSIVES													
SW8330													
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,6-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	0.65	U	U	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
METALS													
SW6010B													
Aluminum	mg/kg	15600		J	13500		J	12100		J	16700		J
Antimony	mg/kg	1.4	B	J	1.3	B	J	0.78	B	J	1.0	B	J
Arsenic	mg/kg	22.2		J	17.7		J	10.5		J	10.6		J
Barium	mg/kg	27.7		J	86.8		J	43.9		J	50.2		J
Beryllium	mg/kg	0.49	B	B	3.5		J	0.46	B	B	0.50	B	B
Cadmium	mg/kg	0.10	B	J	0.26	B	J	0.62	U	U	0.63	U	U
Calcium	mg/kg	180	B	J	1150		J	607	B	J	581	B	J
Chromium	mg/kg	53.0		J	20.9		J	26.3		J	30.6		J
Cobalt	mg/kg	2.8	B	B	9.9		J	2.4	B	B	5.1	B	B
Copper	mg/kg	11.3		J	24.7		J	12.5		J	10.3		J
Iron	mg/kg	69900			70600			40600			39000		
Lead	mg/kg	18.6		J	20.9		J	10.6		J	14.2		J
Magnesium	mg/kg	291	B	J	1140		J	697		J	742		J
Manganese	mg/kg	526		J	970		J	98.5		J	382		J

Summary of Validated Subsurface Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-MW01			HR-237Q-MW02			HR-237Q-MW02			HR-238Q-GP01		
	Associated Site:	HR-237Q			HR-237Q			HR-237Q			HR-238Q		
	Sample No:	JA0010			JA0012			JA0013			JC0002		
	Sample Date:	18-JUN-01			18-JUN-01			18-JUN-01			19-JUN-01		
User Test Group / *Lab Method*	*Sample Depth:*	11 - 12			11 - 12			11 - 12			6 - 7		
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
EXPLOSIVES													
SW8330													
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,6-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	0.65	U	U	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
METALS													
SW6010B													
Aluminum	mg/kg	12500		J	9250		J	10100		J	13900		
Antimony	mg/kg	0.98	B	J	1.0	B	J	0.90	B	J	2.7	B	J
Arsenic	mg/kg	12.4		J	17.5		J	17.4		J	26.8		
Barium	mg/kg	89.8		J	44.9		J	50.5		J	149		
Beryllium	mg/kg	1.4		B	1.2		B	1.2		B	2.0		
Cadmium	mg/kg	0.13	B	J	0.081	B	J	0.092	B	J	0.43	B	J
Calcium	mg/kg	256	B	J	680		J	753		J	60.1	B	J
Chromium	mg/kg	54.5		J	17.1		J	15.2		J	16.8		
Cobalt	mg/kg	11.5		J	7.9		B	8.6		B	30.5		
Copper	mg/kg	14.8		J	15.6		J	15.8		J	73.2		
Iron	mg/kg	43100			42100			42300			88600		
Lead	mg/kg	27.4		J	17.2		J	31.5		J	208		
Magnesium	mg/kg	505	B	J	715		J	783		J	651	B	J
Manganese	mg/kg	1250		J	266		J	292		J	2410		

Summary of Validated Subsurface Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-238Q-GP02			HR-238Q-GP03			HR-238Q-GP03			HR-238Q-MW01		
	Associated Site:	HR-238Q			HR-238Q			HR-238Q			HR-238Q		
	Sample No:	JC0004			JC0006			JC0007			JC0009		
	Sample Date:	19-JUN-01			19-JUN-01			19-JUN-01			19-JUN-01		
User Test Group / *Lab Method*	*Sample Depth:*	3 - 4			11 - 12			11 - 12			1 - 12		
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
EXPLOSIVES													
SW8330													
1,3,5-Trinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
1,3-Dinitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4,6-Trinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,4-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2,6-Dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
2-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
3-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
HMX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Nitrobenzene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
RDX	mg/kg	0.50	U	U	0.50	U	U	0.50	U	U	0.50	U	U
Tetryl	mg/kg	0.65	U	U	0.65	U	U	0.65	U	U	0.65	U	U
p-Nitrotoluene	mg/kg	0.25	U	U	0.25	U	U	0.25	U	U	0.25	U	U
METALS													
SW6010B													
Aluminum	mg/kg	9840			16800			16400			12400		
Antimony	mg/kg	6.4	U	U	7.4	U	U	7.3	U	U	0.74	B	J
Arsenic	mg/kg	2.3			2.3			2.2			10.6		
Barium	mg/kg	58.4			24.3	B	J	23.4	B	J	90.9		
Beryllium	mg/kg	0.84			0.41	B	J	0.41	B	J	2.0		
Cadmium	mg/kg	0.54	U	U	0.62	U	U	0.61	U	U	0.082	B	J
Calcium	mg/kg	469	B	J	615	U	U	138	B	J	208	B	J
Chromium	mg/kg	13.8			8.7			9.3			11.9		
Cobalt	mg/kg	9.3			2.7	B	J	2.8	B	J	53.3		
Copper	mg/kg	0.41	B	J	3.0	B	J	2.9	B	J	96.3		
Iron	mg/kg	19900			21100			20200			50000		
Lead	mg/kg	7.3			6.6			6.3			122		
Magnesium	mg/kg	6620			1380			1430			1080		
Manganese	mg/kg	255			78.4			79.7			2220		

Summary of Validated Subsurface Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-GP01			HR-237Q-GP02			HR-237Q-GP03			HR-237Q-GP04		
	Associated Site:	HR-237Q			HR-237Q			HR-237Q			HR-237Q		
	Sample No:	JA0002			JA0004			JA0006			JA0008		
	Sample Date:	19-JUN-01			18-JUN-01			18-JUN-01			18-JUN-01		
User Test Group	*Sample Depth:*	11 - 12			10 - 12			11 - 12			1 - 12		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS													
SW6010B													
Nickel	mg/kg	6.4		J	17.5		J	4.9	B	J	7.2		J
Potassium	mg/kg	443	B	J	776		J	773		J	784		J
Selenium	mg/kg	1.3	U	UJ	3.3	U	UJ	0.62	U	UJ	0.63	U	UJ
Silver	mg/kg	1.3	U	UJ	1.3	U	UJ	1.2	U	UJ	1.3	U	UJ
Sodium	mg/kg	628	U	U	654	U	U	624	U	U	632	U	U
Thallium	mg/kg	1.3	U	U	1.0	B	B	1.2	U	U	0.75	B	B
Vanadium	mg/kg	104		J	44.5		J	49.0		J	54.0		J
Zinc	mg/kg	24.4		J	71.4		J	16.4		J	20.9		J
SW7471A													
Mercury	mg/kg	0.052			0.24			0.075			0.12		

Summary of Validated Subsurface Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-MW01			HR-237Q-MW02			HR-237Q-MW02			HR-238Q-GP01		
	Associated Site:	HR-237Q			HR-237Q			HR-237Q			HR-238Q		
	Sample No:	JA0010			JA0012			JA0013			JC0002		
	Sample Date:	18-JUN-01			18-JUN-01			18-JUN-01			19-JUN-01		
User Test Group	*Sample Depth:*	11 - 12			11 - 12			11 - 12			6 - 7		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS													
SW6010B													
Nickel	mg/kg	11.5		J	11.1		J	11.0		J	42.6		
Potassium	mg/kg	591	B	J	714		J	797		J	847		
Selenium	mg/kg	0.68	U	UJ	0.62	U	UJ	1.2	U	UJ	0.70	U	U
Silver	mg/kg	1.4	U	UJ	1.2	U	UJ	1.2	U	UJ	1.4	U	U
Sodium	mg/kg	680	U	U	617	U	U	598	U	U	697	U	U
Thallium	mg/kg	1.1	B	B	1.2	U	U	1.2	U	U	1.8		
Vanadium	mg/kg	42.6		J	31.4		J	30.7		J	46.5		
Zinc	mg/kg	41.8		J	57.7		J	57.1		J	141		
SW7471A													
Mercury	mg/kg	0.090			0.27			0.16			0.047		

Summary of Validated Subsurface Soil Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-238Q-GP02			HR-238Q-GP03			HR-238Q-GP03			HR-238Q-MW01		
	Associated Site:	HR-238Q			HR-238Q			HR-238Q			HR-238Q		
	Sample No:	JC0004			JC0006			JC0007			JC0009		
	Sample Date:	19-JUN-01			19-JUN-01			19-JUN-01			19-JUN-01		
User Test Group	*Sample Depth:*	3 - 4			11 - 12			11 - 12			1 - 12		
Lab Method													
Parameter	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS													
SW6010B													
Nickel	mg/kg	21.5			8.5			8.9			24.8		
Potassium	mg/kg	5980			1960			1980			1250		
Selenium	mg/kg	0.54	U	U	0.62	U	U	0.61	U	U	0.74	U	U
Silver	mg/kg	1.1	U	U	1.2	U	U	2.4	U	U	1.5	U	U
Sodium	mg/kg	535	U	U	615	U	U	611	U	U	742	U	U
Thallium	mg/kg	1.1	U	U	1.2	U	U	1.2	U	U	1.7		
Vanadium	mg/kg	12.8			13.3			12.6			44.2		
Zinc	mg/kg	35.7			15.3			16.2			135		
SW7471A													
Mercury	mg/kg	0.035	U	U	0.015	B	J	0.015	B	J	0.052		

Summary of Validated Groundwater Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

		Location Code:	HR-237Q-MW01			HR-237Q-MW02			HR-238Q-MW01			HR-238Q-MW01		
		Associated Site:	HR-237Q			HR-237Q			HR-238Q			HR-238Q		
		Sample No:	JA3001			JA3002			JC3001			JC3002		
		Sample Date:	03-AUG-01			06-AUG-01			02-AUG-01			02-AUG-01		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
EXPLOSIVES														
SW8330														
1,3,5-Trinitrobenzene		mg/L	.0004	U	U	.00096			.0004	U	U	.0004	U	U
1,3-Dinitrobenzene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
2,4,6-Trinitrotoluene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
2,4-Dinitrotoluene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
2,6-Dinitrotoluene		mg/L	.0004	U	U	.00095			.00042			.00044	P	J
2-Amino-4,6-dinitrotoluene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
2-Nitrotoluene		mg/L	.0004	U	U	.0016			.0004			.00033	J	J
3-Nitrotoluene		mg/L	.0006	U	U	.0012			.0004	U	U	.0004	U	U
4-Amino-2,6-dinitrotoluene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
HMX		mg/L	.0004	U	U	.0004	U	U	.001	U	U	.001	U	U
Nitrobenzene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
RDX		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
Tetryl		mg/L	.0004	U	U	.0014			.0004	U	U	.0002	J	J
p-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U	.00052			.0004	U	U
METALS														
SW6010B														
Aluminum		mg/L	.619			.169	J	B	.503			.579		
Antimony		mg/L	.1	U	U	.1	U	U	.1	U	U	.1	U	U
Arsenic		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Barium		mg/L	.00722	J	B	.0245		B	.0521			.0524		
Beryllium		mg/L	.001	U	U	.001	U	U	.001	U	U	.001	U	U
Cadmium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Calcium		mg/L	17			32.6			34.2			34.2		
Chromium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Cobalt		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U
Copper		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U
Iron		mg/L	.317			.0841	J	B	.383			.488		
Lead		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Magnesium		mg/L	10.4			24.7			21.2			21.3		
Manganese		mg/L	.0631			.27			.0654			.0627		

Summary of Validated Groundwater Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

		Location Code:	HR-237Q-MW01			HR-237Q-MW02			HR-238Q-MW01			HR-238Q-MW01		
		Associated Site:	HR-237Q			HR-237Q			HR-238Q			HR-238Q		
		Sample No:	JA3001			JA3002			JC3001			JC3002		
		Sample Date:	03-AUG-01			06-AUG-01			02-AUG-01			02-AUG-01		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS														
SW6010B														
Nickel		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U
Potassium		mg/L	5	U	U	5	U	U	5.27			4.85	J	J
Selenium		mg/L	.01	U	U	.00484	J	B	.01	U	U	.01	U	U
Silver		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Sodium		mg/L	1.33			20.9			1.8			1.82		
Thallium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Vanadium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Zinc		mg/L	.00622	J	J	.02	U	U	.02	U	U	.02	U	U
SW7470A														
Mercury		mg/L	.0005	U	U	.0005	U	U	.0005	U	U	.0005	U	U

Summary of Validated Surface Water Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

		Location Code:	HR-237Q-SW/SD01			HR-237Q-SW/SD02		
		Associated Site:	HR-237Q			HR-237Q		
		Sample No:	JA2001			JA2002		
		Sample Date:	28-AUG-01			28-AUG-01		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
EXPLOSIVES								
SW8330								
1,3,5-Trinitrobenzene		mg/L	.0004	U	U	.0004	U	U
1,3-Dinitrobenzene		mg/L	.0004	U	U	.0004	U	U
2,4,6-Trinitrotoluene		mg/L	.0004	U	U	.0004	U	U
2,4-Dinitrotoluene		mg/L	.0004	U	U	.0004	U	U
2,6-Dinitrotoluene		mg/L	.0004	U	U	.0004	U	U
2-Amino-4,6-dinitrotoluene		mg/L	.0004	U	U	.0004	U	U
2-Nitrotoluene		mg/L	.0004	U	U	.0004	U	U
3-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U
4-Amino-2,6-dinitrotoluene		mg/L	.0004	U	U	.0004	U	U
HMX		mg/L	.0004	U	U	.0004	U	U
Nitrobenzene		mg/L	.0004	U	U	.0004	U	U
RDX		mg/L	.0004	U	U	.0004	U	U
Tetryl		mg/L	.0004	U	U	.0004	U	U
p-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U
METALS								
SW6010B								
Aluminum		mg/L	.0492	J	B	.0889	J	B
Antimony		mg/L	.1	U	U	.1	U	U
Arsenic		mg/L	.01	U	U	.01	U	U
Barium		mg/L	.0519			.0474		
Beryllium		mg/L	.001	U	U	.001	U	U
Cadmium		mg/L	.01	U	U	.01	U	U
Calcium		mg/L	48			43		
Chromium		mg/L	.01	U	U	.01	U	U
Cobalt		mg/L	.02	U	U	.02	U	U
Copper		mg/L	.02	U	U	.02	U	U
Iron		mg/L	.0456	J	J	.154	J	J
Lead		mg/L	.01	U	U	.01	U	U
Magnesium		mg/L	24.5			22.4		
Manganese		mg/L	.0552			.0858		

Summary of Validated Surface Water Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

		Location Code:	HR-237Q-SW/SD01			HR-237Q-SW/SD02		
		Associated Site:	HR-237Q			HR-237Q		
		Sample No:	JA2001			JA2002		
		Sample Date:	28-AUG-01			28-AUG-01		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS								
SW6010B								
Nickel		mg/L	.02	U	U	.02	U	U
Potassium		mg/L	2.14	J	J	5	U	U
Selenium		mg/L	.01	U	U	.01	U	U
Silver		mg/L	.01	U	U	.01	U	U
Sodium		mg/L	1.86			1.74		
Thallium		mg/L	.01	U	U	.01	U	U
Vanadium		mg/L	.01	U	U	.01	U	U
Zinc		mg/L	.02	U	U	.02	U	U
SW7470A								
Mercury		mg/L	.0005	U	U	.0005	U	U

Summary of Validated Sediment Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-SW/SD01			HR-237Q-SW/SD02		
	Associated Site:	HR-237Q			HR-237Q		
	Sample No:	JA1001			JA1002		
	Sample Date:	28-AUG-01			28-AUG-01		
User Test Group	*Sample Depth:*	0 - .5			0 - .5		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
EXPLOSIVES							
SW8330							
1,3,5-Trinitrobenzene	mg/kg	.4	U	U	.4	U	U
1,3-Dinitrobenzene	mg/kg	.4	U	U	.4	U	U
2,4,6-Trinitrotoluene	mg/kg	.4	U	U	.4	U	U
2,4-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U
2,6-Dinitrotoluene	mg/kg	.4	U	U	.4	U	U
2-Amino-4,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U
2-Nitrotoluene	mg/kg	.4	U	U	.4	U	U
3-Nitrotoluene	mg/kg	.4	U	U	.4	U	U
4-Amino-2,6-dinitrotoluene	mg/kg	.4	U	U	.4	U	U
HMX	mg/kg	.4	U	U	.4	U	U
Nitrobenzene	mg/kg	.4	U	U	.4	U	U
RDX	mg/kg	.4	U	U	.4	U	U
Tetryl	mg/kg	.4	U	U	.4	U	U
p-Nitrotoluene	mg/kg	.4	U	U	.4	U	U
METALS							
SW6010B							
Aluminum	mg/kg	8570			5640		
Antimony	mg/kg	12.7	U	UJ	12.3	U	UJ
Arsenic	mg/kg	6.78			12.5		
Barium	mg/kg	40		J	53.5		J
Beryllium	mg/kg	.588	J	B	1.05	J	B
Cadmium	mg/kg	.635	U	U	.617	U	U
Calcium	mg/kg	587			764		
Chromium	mg/kg	19.2		J	28.3		J
Cobalt	mg/kg	6.62		J	21.5		J
Copper	mg/kg	8.07			9.99		
Iron	mg/kg	22800			28100		
Lead	mg/kg	12.4		J	30.8		J
Magnesium	mg/kg	1470			882		
Manganese	mg/kg	189			1190		

Summary of Validated Sediment Data
Possible Range (Parcel 237Q) and Impact Area (Parcel 238Q)
Fort McClellan, Alabama

Report Date: 03/26/02

	Location Code:	HR-237Q-SW/SD01			HR-237Q-SW/SD02		
	Associated Site:	HR-237Q			HR-237Q		
	Sample No:	JA1001			JA1002		
	Sample Date:	28-AUG-01			28-AUG-01		
User Test Group	*Sample Depth:*	0 - .5			0 - .5		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS							
SW6010B							
Nickel	mg/kg	6.52			4.93		
Potassium	mg/kg	1330			832		
Selenium	mg/kg	1.27	U	U	1.23	U	U
Silver	mg/kg	.706	J	J	1.23	U	U
Sodium	mg/kg	127	U	U	123	U	U
Thallium	mg/kg	2.54	U	U	2.47	U	U
Vanadium	mg/kg	14.6			13.9		
Zinc	mg/kg	19.3			12.6		
SW7471A							
Mercury	mg/kg	.127	U	U	.123	U	U
TOC							
SW9060							
Total Organic Carbon	mg/kg	34.6			21.2		

GRAIN SIZE ANALYSIS

Duane Nielsen
IT Corporation
November 12, 2001
IT Project ID: Fort McClellan
IT Project No.: 796887.11020300

IT GEOTECHNICAL LABORATORY
OAK RIDGE, TN
(865) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name Fort McClellan

Client Sample No. JA1001

Project No. 796887.11020300

IT Lab Sample No. ETDC-9767
HR-237Q-SW/BD07

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 22.6%
based on dry sample weight

SIEVE ANALYSIS

COARSE	Sieve No.	Diameter mm	Percent Finer
	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	95.0%
	0.375"	9.500	82.4%
	#4	4.750	66.6%
	#10	2.000	48.4%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	36.4%
	#40	0.425	21.3%
	#60	0.250	13.5%
	#100	0.149	10.8%
	#140	0.106	10.0%
	#200	0.075	9.4%

HYDROMETER ANALYSIS

HYDROMETER	Diameter mm	Percent Finer
	0.03357	9.1%
	0.02141	8.6%
	0.01261	7.2%
	0.00905	6.0%
	0.00647	5.1%
	0.00369	4.2%
	0.00315	3.7%
	0.00134	2.8%

33.4% Gravel 57.2% Sand 9.4% Silt/Clay

Duane Nielsen
IT Corporation
November 12, 2001
IT Project ID: Fort McClellan
IT Project No.: 796887.11020300

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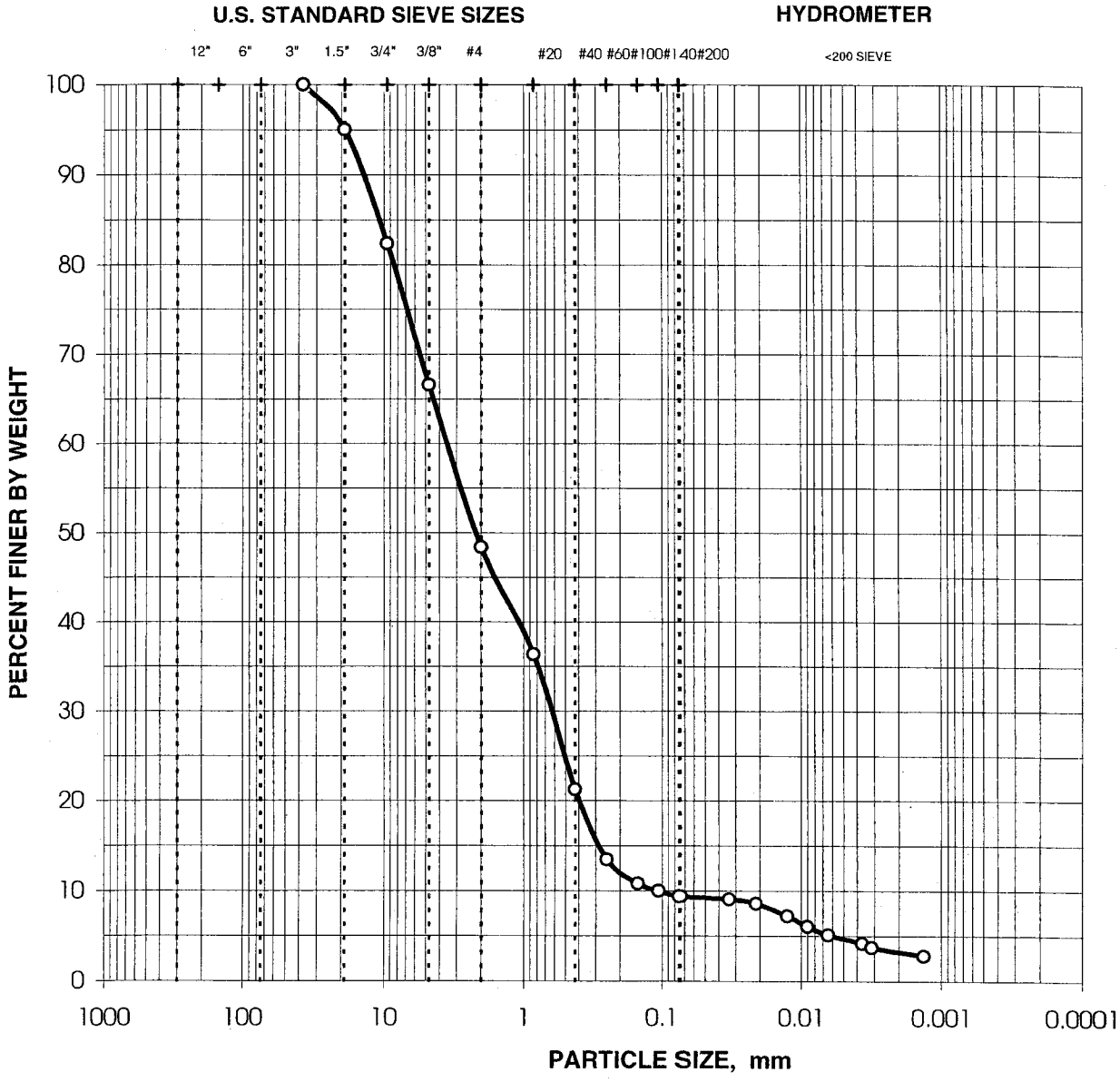
Fort McClellan



CLIENT SAMPLE NO.: JA1001

IT LAB SAMPLE NO.: ETDC-9767

BOULDERS	COBBLES	GRAVEL		SAND			
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT 2 - 75 microns CLAY <2 microns

Duane Nielsen
IT Corporation
November 12, 2001
IT Project ID: Fort McClellan
IT Project No.: 796887.11020300

IT GEOTECHNICAL LABORATORY
OAK RIDGE, TN
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PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name Fort McClellan

Client Sample No. JA1002

Project No. 796887.11020300

IT Lab Sample No. ETDC-9768
HR-237Q- SW/SD02

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 20.9%
based on dry sample weight

SIEVE ANALYSIS

COARSE	Sieve No.	Diameter mm	Percent Finer
	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	86.9%
	#4	4.750	62.6%
	#10	2.000	39.8%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	25.6%
	#40	0.425	14.1%
	#60	0.250	7.6%
	#100	0.149	4.6%
	#140	0.106	4.0%
	#200	0.075	3.7%

HYDROMETER ANALYSIS

HYDROMETER	Diameter mm	Percent Finer
	0.04912	3.7%
	0.03493	3.4%
	0.02213	3.2%
	0.01287	2.9%
	0.00828	2.1%
	0.00653	2.0%
	0.00461	1.4%
	0.00322	0.9%
	0.00134	0.7%

37.4% Gravel 58.9% Sand 3.7% Silt/Clay

Duane Nielsen
IT Corporation
November 12, 2001
IT Project ID: Fort McClellan
IT Project No.: 796887.11020300

IT GEOTECHNICAL LABORATORY
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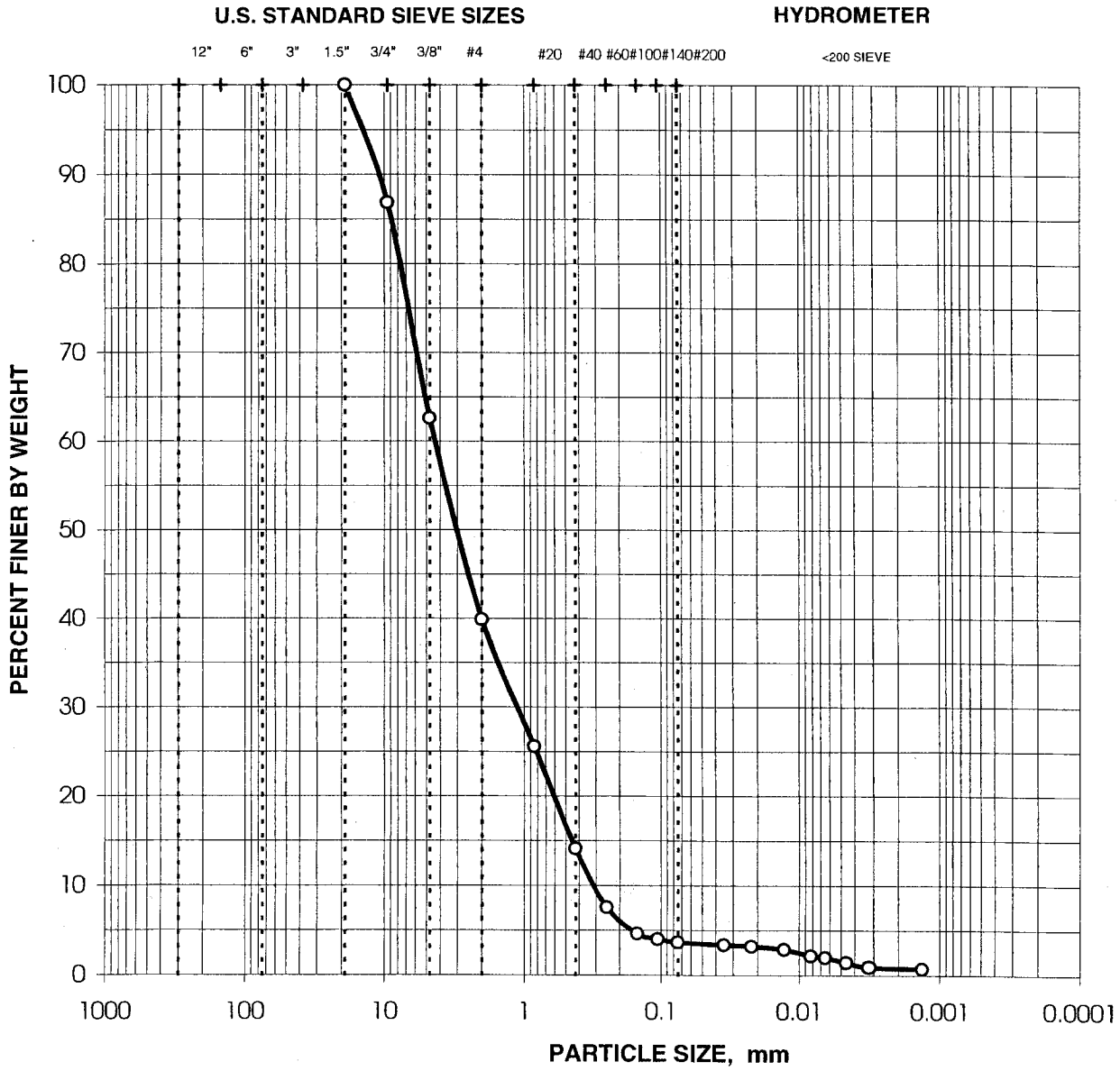
Fort McClellan



CLIENT SAMPLE NO.: JA1002

IT LAB SAMPLE NO.: ETDC-9768

BOULDERS	COBBLES	GRAVEL		SAND			
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT 2 - 75 microns CLAY <2 microns