Summary of Validated Sediment Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

	Location Code:	HR-80Q-SW/SD02			HR-80Q-SW/SD02			HR-80Q-SW/SD03			HR-80Q-SW/SD03		
	Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:	QB1002			QB1011			QB1003			QB1004		
	Sample Date:	27-AUG-01			04-FEB-02			28-AUG-01			28-AUG-01		
User Test Group	*Sample Depth:*	0 - .5			0 - .5			0 - .5			0 - .5		
Lab Method *Parameter*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES													
SW8260B													
Naphthalene	mg/kg				.014	U	U						
Styrene	mg/kg				.0071	U	U						
Tetrachloroethene	mg/kg				.0071	U	U						
Toluene	mg/kg				.0071	U	U						
Trichloroethene	mg/kg				.0071	U	U						
Trichlorofluoromethane	mg/kg				.0071	U	U						
Vinyl chloride	mg/kg				.0071	U	U						
cis-1,2-Dichloroethene	mg/kg				.0071	U	U						
cis-1,3-Dichloropropene	mg/kg				.0071	U	U						
m,p-Xylenes	mg/kg				.014	U	U						
n-Butylbenzene	mg/kg				.0071	U	U						
n-Propylbenzene	mg/kg				.0071	U	U						
o-Chlorotoluene	mg/kg				.0071	U	U						
p-Chlorotoluene	mg/kg				.0071	U	U						
p-Cymene	mg/kg				.0071	U	U						
sec-Butylbenzene	mg/kg				.0071	U	U						
sec-Dichloropropane	mg/kg				.0071	U	U						
tert-Butylbenzene	mg/kg				.0071	U	U						
trans-1,2-Dichloroethene	mg/kg				.0071	U	U						
trans-1,3-Dichloropropene	mg/kg				.0071	U	U						

Summary of Validated Sediment Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

	Location Code:	HR-80Q-SW/SD03			HR-80Q-SW/SD03			HR-80Q-SW/SD04			HR-80Q-SW/SD04		
	Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:	QB1012			QB1013			QB1005			QB1010		
	Sample Date:	04-FEB-02			04-FEB-02			27-AUG-01			30-JAN-02		
User Test Group	Sample Depth:	0 - .5			0 - .5			0 - .5			0 - .5		
Lab Method / Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
VOLATILES													
SW8260B													
Naphthalene	mg/kg	.012	U	U	.012	U	U				.012	U	U
Styrene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
Tetrachloroethene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
Toluene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
Trichloroethene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
Trichlorofluoromethane	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
Vinyl chloride	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
cis-1,2-Dichloroethene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
cis-1,3-Dichloropropene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
m,p-Xylenes	mg/kg	.012	U	U	.012	U	U				.012	U	U
n-Butylbenzene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
n-Propylbenzene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
o-Chlorotoluene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
p-Chlorotoluene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
p-Cymene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
sec-Butylbenzene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
sec-Dichloropropane	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
tert-Butylbenzene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
trans-1,2-Dichloroethene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U
trans-1,3-Dichloropropene	mg/kg	.0062	U	U	.0061	U	U				.006	U	U

Summary of Validated Sediment Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

	Location Code:	HR-80Q-SW/SD06			HR-80Q-SW/SD06			HR-80Q-SW/SD07			HR-80Q-SW/SD07		
	Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:	QB1007			QB1014			QB1008			QB1009		
	Sample Date:	27-SEP-01			05-FEB-02			27-AUG-01			05-FEB-02		
User Test Group / Lab Method	Sample Depth:	0 - .5			0 - .5			0 - .5			0 - .5		
Parameter	Units	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual	Result	Qual	VQual
VOLATILES													
SW8260B													
Naphthalene	mg/kg				.013	U	U				.014	U	U
Styrene	mg/kg				.0065	U	U				.007	U	U
Tetrachloroethene	mg/kg				.0065	U	U				.007	U	U
Toluene	mg/kg				.0065	U	U				.007	U	U
Trichloroethene	mg/kg				.0065	U	U				.007	U	U
Trichlorofluoromethane	mg/kg				.0065	U	U				.007	U	U
Vinyl chloride	mg/kg				.0065	U	U				.007	U	U
cis-1,2-Dichloroethene	mg/kg				.0065	U	U				.007	U	U
cis-1,3-Dichloropropene	mg/kg				.0065	U	U				.007	U	U
m,p-Xylenes	mg/kg				.013	U	U				.014	U	U
n-Butylbenzene	mg/kg				.0065	U	U				.007	U	U
n-Propylbenzene	mg/kg				.0065	U	U				.007	U	U
o-Chlorotoluene	mg/kg				.0065	U	U				.007	U	U
p-Chlorotoluene	mg/kg				.0065	U	U				.007	U	U
p-Cymene	mg/kg				.0065	U	U				.007	U	U
sec-Butylbenzene	mg/kg				.0065	U	U				.007	U	U
sec-Dichloropropane	mg/kg				.0065	U	U				.007	U	U
tert-Butylbenzene	mg/kg				.0065	U	U				.007	U	U
trans-1,2-Dichloroethene	mg/kg				.0065	U	U				.007	U	U
trans-1,3-Dichloropropene	mg/kg				.0065	U	U				.007	U	U

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

		Location Code:	HR-80Q-SW/SD02			HR-80Q-SW/SD02			HR-80Q-SW/SD03			HR-80Q-SW/SD03		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2002			QB2011			QB2003			QB2004		
		Sample Date:	27-AUG-01			04-FEB-02			28-AUG-01			28-AUG-01		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
CL HERBICIDE														
SW8151A														
2,2-Dichloropropanoic Acid		mg/L				.0004	U	U						
2,4,5-T		mg/L				.0004	U	U						
2,4,5-TP		mg/L				.0004	U	U						
2,4-D		mg/L				.0004	U	U						
2,4-DB		mg/L				.0004	U	U						
Dicamba		mg/L				.0008	U	U						
Dichloroprop		mg/L				.0004	U	U						
Dinoseb		mg/L				.0004	U	U						
MCPA		mg/L				.2	U	U						
MCPP		mg/L				.2	U	U						
CL PESTICIDES														
SW8081A														
4,4'-DDD		mg/L				.00019	U	U						
4,4'-DDE		mg/L				.00019	U	U						
4,4'-DDT		mg/L				.00019	U	U						
Aldrin		mg/L				.000095	U	U						
Dieldrin		mg/L				.00019	U	U						
Endosulfan I		mg/L				.000095	U	U						
Endosulfan II		mg/L				.00019	U	U						
Endosulfan sulfate		mg/L				.00019	U	U						
Endrin		mg/L				.00019	U	U						
Endrin aldehyde		mg/L				.00019	U	U						
Endrin ketone		mg/L				.00019	U	U						
Heptachlor		mg/L				.000095	U	U						
Heptachlor epoxide		mg/L				.000095	U	U						
Methoxychlor		mg/L				.00095	U	U						
Toxaphene		mg/L				.0028	U	U						
alpha-BHC		mg/L				.000095	U	U						
alpha-Chlordane		mg/L				.000095	U	U						
beta-BHC		mg/L				.000095	U	U						

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

	Location Code:		HR-80Q-SW/SD03			HR-80Q-SW/SD03			HR-80Q-SW/SD04			HR-80Q-SW/SD04		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2012			QB2013			QB2005			QB2010		
	Sample Date:		04-FEB-02			04-FEB-02			27-AUG-01			30-JAN-02		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
CL HERBICIDE														
SW8151A														
2,2-Dichloropropanoic Acid		mg/L	.0004	U	U	.0004	U	U				.0004	U	UJ
2,4,5-T		mg/L	.0004	U	U	.0004	U	U				.0004	U	U
2,4,5-TP		mg/L	.0004	U	U	.0004	U	U				.0004	U	U
2,4-D		mg/L	.0004	U	U	.0004	U	U				.0004	U	U
2,4-DB		mg/L	.0004	U	U	.0004	U	U				.0004	U	U
Dicamba		mg/L	.0008	U	U	.0008	U	U				.0008	U	U
Dichloroprop		mg/L	.0004	U	U	.0004	U	U				.0004	U	U
Dinoseb		mg/L	.0004	U	U	.0004	U	U				.0004	U	U
MCPA		mg/L	.2	U	U	.2	U	U				.2	U	U
MCPP		mg/L	.2	U	U	.2	U	U				.2	U	U
CL PESTICIDES														
SW8081A														
4,4'-DDD		mg/L	.00019	U	U	.0002	U	U				.0002	U	U
4,4'-DDE		mg/L	.00019	U	U	.0002	U	U				.0002	U	U
4,4'-DDT		mg/L	.00019	U	U	.0002	U	U				.0002	U	U
Aldrin		mg/L	.000095	U	U	.000098	U	U				.000099	U	UJ
Dieldrin		mg/L	.00019	U	U	.0002	U	U				.0002	U	U
Endosulfan I		mg/L	.000095	U	U	.000098	U	U				.000099	U	U
Endosulfan II		mg/L	.00019	U	U	.0002	U	U				.0002	U	UJ
Endosulfan sulfate		mg/L	.00019	U	U	.0002	U	U				.0002	U	U
Endrin		mg/L	.00019	U	U	.0002	U	U				.0002	U	U
Endrin aldehyde		mg/L	.00019	U	U	.0002	U	U				.0002	U	U
Endrin ketone		mg/L	.00019	U	U	.0002	U	U				.0002	U	U
Heptachlor		mg/L	.000095	U	U	.000098	U	U				.000099	U	UJ
Heptachlor epoxide		mg/L	.000095	U	U	.000098	U	U				.000099	U	U
Methoxychlor		mg/L	.00095	U	U	.00098	U	U				.00099	U	U
Toxaphene		mg/L	.0028	U	U	.0029	U	U				.003	U	U
alpha-BHC		mg/L	.000095	U	U	.000098	U	U				.000099	U	U
alpha-Chlordane		mg/L	.000095	U	U	.000098	U	U				.000099	U	U
beta-BHC		mg/L	.000095	U	U	.000098	U	U				.000099	U	U

	Location Code:		HR-80Q-SW/SD06			HR-80Q-SW/SD06			HR-80Q-SW/SD07			HR-80Q-SW/SD07		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2007			QB2014			QB2008			QB2009		
	Sample Date:		27-SEP-01			05-FEB-02			27-AUG-01			05-FEB-02		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
CL HERBICIDE														
SW8151A														
2,2-Dichloropropanoic Acid		mg/L				.0004	U	U				.0004	U	U
2,4,5-T		mg/L				.0004	U	U				.0004	U	U
2,4,5-TP		mg/L				.0004	U	U				.0004	U	U
2,4-D		mg/L				.0004	U	U				.0004	U	U
2,4-DB		mg/L				.0004	U	U				.0004	U	U
Dicamba		mg/L				.0008	U	U				.0008	U	U
Dichloroprop		mg/L				.0004	U	U				.0004	U	U
Dinoseb		mg/L				.0004	U	U				.0004	U	U
MCPA		mg/L				.2	U	U				.2	U	U
MCPP		mg/L				.2	U	U				.2	U	U
CL PESTICIDES														
SW8081A														
4,4'-DDD		mg/L				.00019	U	U				.00019	U	U
4,4'-DDE		mg/L				.00019	U	U				.00019	U	U
4,4'-DDT		mg/L				.00019	U	U				.00019	U	U
Aldrin		mg/L				.000097	U	U				.000096	U	U
Dieldrin		mg/L				.00019	U	U				.00019	U	U
Endosulfan I		mg/L				.000097	U	U				.000096	U	U
Endosulfan II		mg/L				.00019	U	U				.00019	U	U
Endosulfan sulfate		mg/L				.00019	U	U				.00019	U	U
Endrin		mg/L				.00019	U	U				.00019	U	U
Endrin aldehyde		mg/L				.00019	U	U				.00019	U	U
Endrin ketone		mg/L				.00019	U	U				.00019	U	U
Heptachlor		mg/L				.000097	U	U				.000096	U	U
Heptachlor epoxide		mg/L				.000097	U	U				.000096	U	U
Methoxychlor		mg/L				.00097	U	U				.00096	U	U
Toxaphene		mg/L				.0029	U	U				.0029	U	U
alpha-BHC		mg/L				.000097	U	U				.000096	U	U
alpha-Chlordane		mg/L				.000097	U	U				.000096	U	U
beta-BHC		mg/L				.000097	U	U				.000096	U	U

	Location Code:		HR-80Q-SW/SD02			HR-80Q-SW/SD02			HR-80Q-SW/SD03			HR-80Q-SW/SD03		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2002			QB2011			QB2003			QB2004		
	Sample Date:		27-AUG-01			04-FEB-02			28-AUG-01			28-AUG-01		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
CL PESTICIDES														
SW8081A														
delta-BHC		mg/L				.000095	U	U						
gamma-BHC (Lindane)		mg/L				.000095	U	U						
gamma-Chlordane		mg/L				.000095	U	U						
EXPLOSIVES														
SW8330														
1,3,5-Trinitrobenzene		mg/L	.0004	U	U	.0004	U	U	.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	.0004	U	U	.0004	U	U	.0004	U	U
2-Amino-4,6-dinitrotoluene		mg/L	.0004	U	U	.0004	U	U	.0004	U	U	.0004	U	U
2-Nitrotoluene		mg/L	.00025	J	J	.0004	U	U	.0004	U	U	.0004	U	U
3-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U	.0006	U	U	.0006	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	.0004	U	U	.0004	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	.0004	U	U	.0004	U	U	.0004	U	U
p-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U	.0006	U	U	.0006	U	U
METALS														
SW6010B														
Aluminum		mg/L	.106	J	B	.2	U	U	.08	J	B	.0598	J	B
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	.0292			.0264			.0286			.0285		
Beryllium		mg/L	.00151		B	.01	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	.805	J	J	.454	J	J	.465	J	B	.427	J	B
Chromium		mg/L	.01	U	U	.02	U	U	.01	U	U	.01	U	U
Cobalt		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

	Location Code:		HR-80Q-SW/SD03			HR-80Q-SW/SD03			HR-80Q-SW/SD04			HR-80Q-SW/SD04		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2012			QB2013			QB2005			QB2010		
	Sample Date:		04-FEB-02			04-FEB-02			27-AUG-01			30-JAN-02		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
CL PESTICIDES														
SW8081A														
delta-BHC		mg/L	.000095	U	U	.000098	U	U				.000099	U	U
gamma-BHC (Lindane)		mg/L	.000095	U	U	.000098	U	U				.000099	U	UJ
gamma-Chlordane		mg/L	.000095	U	U	.000098	U	U				.000099	U	U
EXPLOSIVES														
SW8330														
1,3,5-Trinitrobenzene		mg/L	.0004	U	U	.0004	U	U	.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	.0004	U	U	.0004	U	U	.0004	U	U
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	.0004	U	U	.0004	U	U	.0004	U	U
3-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U	.0006	U	U	.0006	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	.0004	U	U	.0004	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	.0004	U	U	.0004	U	U	.0004	U	U
p-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U	.0006	U	U	.0006	U	U
METALS														
SW6010B														
Aluminum		mg/L	.2	U	U	.2	U	U	.234		B	.2	U	U
Antimony		mg/L	.1	U	U	.1	U	U	.1	U	U	.1	U	U
Arsenic		mg/L	.00184	J	J	.01	U	U	.01	U	U	.01	U	U
Barium		mg/L	.0259			.0251			.0276			.0296		
Beryllium		mg/L	.01	U	U	.01	U	U	.001	U	U	.01	U	U
Cadmium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Calcium		mg/L	.337	J	J	.319	J	J	.703	J	B	.461	J	J
Chromium		mg/L	.02	U	U	.02	U	U	.01	U	U	.02	U	U
Cobalt		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

	Location Code:		HR-80Q-SW/SD06			HR-80Q-SW/SD06			HR-80Q-SW/SD07			HR-80Q-SW/SD07		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2007			QB2014			QB2008			QB2009		
	Sample Date:		27-SEP-01			05-FEB-02			27-AUG-01			05-FEB-02		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
CL PESTICIDES														
SW8081A														
delta-BHC		mg/L				.000097	U	U				.000096	U	U
gamma-BHC (Lindane)		mg/L				.000097	U	U				.000096	U	U
gamma-Chlordane		mg/L				.000097	U	U				.000096	U	U
EXPLOSIVES														
SW8330														
1,3,5-Trinitrobenzene		mg/L	.0004	U	U	.0004	U	U	.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	.0004	U	U	.0004	U	U	.0004	U	U
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	.0004	U	U	.0004	U	U	.0004	U	U
3-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U	.0006	U	U	.0006	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	.0004	U	U	.0004	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	.0004	U	U	.0004	U	U	.0004	U	U
p-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U	.0006	U	U	.0006	U	U
METALS														
SW6010B														
Aluminum		mg/L	.0726	J	J	.2	U	U	.133	J	B	.0511	J	J
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	.0418			.0218			.0276			.0268		
Beryllium		mg/L	.001	U	U	.01	U	U	.001	U	U	.01	U	U
Cadmium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Calcium		mg/L	.45	J	J	.241	J	J	.376	J	B	.28	J	J
Chromium		mg/L	.01	U	U	.02	U	U	.01	U	U	.02	U	U
Cobalt		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

	Location Code:		HR-80Q-SW/SD02			HR-80Q-SW/SD02			HR-80Q-SW/SD03			HR-80Q-SW/SD03		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2002			QB2011			QB2003			QB2004		
	Sample Date:		27-AUG-01			04-FEB-02			28-AUG-01			28-AUG-01		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS														
SW6010B														
Copper		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U
Iron		mg/L	.228			.048	J	J	.182	J	J	.172	J	J
Lead		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Magnesium		mg/L	.558	J	J	.467	J	J	.334	J	J	.331	J	J
Manganese		mg/L	.0166			.00506	J	J	.0203			.0201		
Nickel		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U
Potassium		mg/L	2.58	J	J	1.61	J	J	2.67	J	J	2.71	J	J
Selenium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Silver		mg/L	.01	U	U	.02	U	U	.01	U	U	.01	U	U
Sodium		mg/L	1.24			1.03			1.15			1.15		
Thallium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Vanadium		mg/L	.01	U	U	.02	U	U	.01	U	U	.01	U	U
Zinc		mg/L	.02	U	U	.1	U	U	.02	U	U	.02	U	U
SW7470A														
Mercury		mg/L	.0005	U	U	.0005	U	U	.0005	U	U	.0005	U	U
OP PESTICIDES														
SW8141A														
Azinphosmethyl		mg/L				.001	U	UJ						
Bolstar		mg/L				.001	U	U						
Chlorpyrifos		mg/L				.001	U	U						
Coumaphos		mg/L				.001	U	U						
Demeton		mg/L				.001	U	UJ						
Diazinon		mg/L				.001	U	UJ						
Dichlorvos		mg/L				.001	U	U						
Dimethoate		mg/L				.001	U	UJ						
Disulfoton		mg/L				.001	U	U						
Ethoprop		mg/L				.001	U	UJ						
Famphur		mg/L				.001	U	UJ						
Fensulfothion		mg/L				.001	U	UJ						
Fenthion		mg/L				.001	U	U						

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

	Location Code:		HR-80Q-SW/SD03			HR-80Q-SW/SD03			HR-80Q-SW/SD04			HR-80Q-SW/SD04		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2012			QB2013			QB2005			QB2010		
	Sample Date:		04-FEB-02			04-FEB-02			27-AUG-01			30-JAN-02		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS														
SW6010B														
Copper		mg/L	.02	U	U	.02	U	U	.005	J	J	.02	U	U
Iron		mg/L	.0441	J	J	.0368	J	J	.579			.0793	J	J
Lead		mg/L	.01	U	U	.01	U	U	.0147			.00189	J	J
Magnesium		mg/L	.421	J	J	.395	J	J	.475	J	J	.481	J	J
Manganese		mg/L	.00525	J	J	.0041	J	J	.0273			.00894	J	J
Nickel		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U
Potassium		mg/L	1.6	J	J	1.47	J	J	2.95	J	J	2.63	J	J
Selenium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Silver		mg/L	.02	U	U	.02	U	U	.01	U	U	.02	U	U
Sodium		mg/L	1.03			1.03			1.1			1.11		
Thallium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Vanadium		mg/L	.02	U	U	.02	U	U	.01	U	U	.02	U	U
Zinc		mg/L	.1	U	U	.1	U	U	.02	U	U	.1	U	U
SW7470A														
Mercury		mg/L	.0005	U	U	.0005	U	U	.0005	U	U	.0005	U	U
OP PESTICIDES														
SW8141A														
Azinphosmethyl		mg/L	.001	U	UJ	.001	U	UJ				.001	U	UJ
Bolstar		mg/L	.001	U	U	.001	U	U				.001	U	U
Chlorpyrifos		mg/L	.001	U	U	.001	U	U				.001	U	U
Coumaphos		mg/L	.001	U	U	.001	U	U				.001	U	U
Demeton		mg/L	.001	U	UJ	.001	U	UJ				.001	U	U
Diazinon		mg/L	.001	U	UJ	.001	U	UJ				.001	U	UJ
Dichlorvos		mg/L	.001	U	U	.001	U	U				.001	U	U
Dimethoate		mg/L	.001	U	UJ	.001	U	UJ				.001	U	U
Disulfoton		mg/L	.001	U	U	.001	U	U				.001	U	U
Ethoprop		mg/L	.001	U	UJ	.001	U	UJ				.001	U	UJ
Famphur		mg/L	.001	U	UJ	.001	U	UJ				.001	U	UJ
Fensulfothion		mg/L	.001	U	UJ	.001	U	UJ				.001	U	UJ
Fenthion		mg/L	.001	U	U	.001	U	U				.001	U	U

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

	Location Code:		HR-80Q-SW/SD06			HR-80Q-SW/SD06			HR-80Q-SW/SD07			HR-80Q-SW/SD07		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2007			QB2014			QB2008			QB2009		
	Sample Date:		27-SEP-01			05-FEB-02			27-AUG-01			05-FEB-02		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
METALS														
SW6010B														
Copper		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U
Iron		mg/L	.0467	J	J	.0438	J	J	.333			.0419	J	J
Lead		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Magnesium		mg/L	.413	J	J	.33	J	J	.244	J	J	.335	J	J
Manganese		mg/L	.0255			.00544	J	J	.0395			.00525	J	J
Nickel		mg/L	.02	U	U	.02	U	U	.02	U	U	.02	U	U
Potassium		mg/L	5	U	U	1.22	J	J	5	U	U	1.42	J	J
Selenium		mg/L	.0019	J	J	.01	U	U	.01	U	U	.00271	J	J
Silver		mg/L	.01	U	U	.02	U	U	.01	U	U	.02	U	U
Sodium		mg/L	.971	J	J	1.03			.954	J	J	1.05		
Thallium		mg/L	.01	U	U	.00711	J	J	.01	U	U	.01	U	U
Vanadium		mg/L	.01	U	U	.02	U	U	.01	U	U	.02	U	U
Zinc		mg/L	.02	U	U	.1	U	U	.02	U	U	.1	U	U
SW7470A														
Mercury		mg/L	.0005	U	U	.0005	U	U	.0005	U	U	.0005	U	U
OP PESTICIDES														
SW8141A														
Azinphosmethyl		mg/L				.001	U	UJ				.001	U	UJ
Bolstar		mg/L				.001	U	U				.001	U	U
Chlorpyrifos		mg/L				.001	U	U				.001	U	U
Coumaphos		mg/L				.001	U	U				.001	U	U
Demeton		mg/L				.001	U	UJ				.001	U	UJ
Diazinon		mg/L				.001	U	UJ				.001	U	UJ
Dichlorvos		mg/L				.001	U	U				.001	U	U
Dimethoate		mg/L				.001	U	UJ				.001	U	UJ
Disulfoton		mg/L				.001	U	U				.001	U	U
Ethoprop		mg/L				.001	U	UJ				.001	U	UJ
Famphur		mg/L				.001	U	UJ				.001	U	UJ
Fensulfothion		mg/L				.001	U	UJ				.001	U	UJ
Fenthion		mg/L				.001	U	U				.001	U	U

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

		Location Code:	HR-80Q-SW/SD02			HR-80Q-SW/SD02			HR-80Q-SW/SD03			HR-80Q-SW/SD03		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2002			QB2011			QB2003			QB2004		
		Sample Date:	27-AUG-01			04-FEB-02			28-AUG-01			28-AUG-01		
User Test Group														
Lab Method														
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
OP PESTICIDES														
SW8141A														
Malathion		mg/L				.001	U	U						
Merphos		mg/L				.001	U	U						
Methyl Parathion		mg/L				.001	U	U						
Mevinphos		mg/L				.001	U	UJ						
Naled		mg/L				.001	U	UJ						
Parathion		mg/L				.001	U	U						
Phorate		mg/L				.001	U	U						
Ronnel		mg/L				.001	U	U						
Stirophos		mg/L				.001	U	UJ						
Sulfotep		mg/L				.001	U	U						
Thionazin		mg/L				.001	U	U						
Tokuthion		mg/L				.001	U	U						
Trichloronate		mg/L				.001	U	U						
PEST/PCB														
SW8082														
Aroclor 1016		mg/L				.00095	U	U						
Aroclor 1221		mg/L				.00095	U	U						
Aroclor 1232		mg/L				.00095	U	U						
Aroclor 1242		mg/L				.00095	U	U						
Aroclor 1248		mg/L				.00095	U	U						
Aroclor 1254		mg/L				.00095	U	U						
Aroclor 1260		mg/L				.00095	U	U						
SEMIVOLATILES														
SW8270C														
1,2,4-Trichlorobenzene		mg/L				.0098	U	U						
1,2-Dichlorobenzene		mg/L				.0098	U	U						
1,3-Dichlorobenzene		mg/L				.0098	U	U						
1,4-Dichlorobenzene		mg/L				.0098	U	U						
2,4,5-Trichlorophenol		mg/L				.0098	U	U						
2,4,6-Trichlorophenol		mg/L				.0098	U	U						

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

	Location Code:		HR-80Q-SW/SD03			HR-80Q-SW/SD03			HR-80Q-SW/SD04			HR-80Q-SW/SD04		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2012			QB2013			QB2005			QB2010		
	Sample Date:		04-FEB-02			04-FEB-02			27-AUG-01			30-JAN-02		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
OP PESTICIDES														
SW8141A														
Malathion		mg/L	.001	U	U	.001	U	U				.001	U	U
Merphos		mg/L	.001	U	U	.001	U	U				.001	U	U
Methyl Parathion		mg/L	.001	U	U	.001	U	U				.001	U	U
Mevinphos		mg/L	.001	U	UJ	.001	U	UJ				.001	U	UJ
Naled		mg/L	.001	U	UJ	.001	U	UJ				.001	U	UJ
Parathion		mg/L	.001	U	U	.001	U	U				.001	U	U
Phorate		mg/L	.001	U	U	.001	U	U				.001	U	U
Ronnel		mg/L	.001	U	U	.001	U	U				.001	U	U
Stirophos		mg/L	.001	U	UJ	.001	U	UJ				.001	U	UJ
Sulfotep		mg/L	.001	U	U	.001	U	U				.001	U	U
Thionazin		mg/L	.001	U	U	.001	U	U				.001	U	U
Tokuthion		mg/L	.001	U	U	.001	U	U				.001	U	U
Trichloronate		mg/L	.001	U	U	.001	U	U				.001	U	U
PEST/PCB														
SW8082														
Aroclor 1016		mg/L	.00095	U	U	.00098	U	U				.00099	U	U
Aroclor 1221		mg/L	.00095	U	U	.00098	U	U				.00099	U	U
Aroclor 1232		mg/L	.00095	U	U	.00098	U	U				.00099	U	U
Aroclor 1242		mg/L	.00095	U	U	.00098	U	U				.00099	U	U
Aroclor 1248		mg/L	.00095	U	U	.00098	U	U				.00099	U	U
Aroclor 1254		mg/L	.00095	U	U	.00098	U	U				.00099	U	U
Aroclor 1260		mg/L	.00095	U	U	.00098	U	U				.00099	U	U
SEMIVOLATILES														
SW8270C														
1,2,4-Trichlorobenzene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
1,2-Dichlorobenzene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
1,3-Dichlorobenzene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
1,4-Dichlorobenzene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
2,4,5-Trichlorophenol		mg/L	.0094	U	U	.0096	U	U				.01	U	U
2,4,6-Trichlorophenol		mg/L	.0094	U	U	.0096	U	U				.01	U	U

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

	Location Code:		HR-80Q-SW/SD06			HR-80Q-SW/SD06			HR-80Q-SW/SD07			HR-80Q-SW/SD07		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2007			QB2014			QB2008			QB2009		
	Sample Date:		27-SEP-01			05-FEB-02			27-AUG-01			05-FEB-02		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
OP PESTICIDES														
SW8141A														
Malathion		mg/L				.001	U	U				.001	U	U
Merphos		mg/L				.001	U	U				.001	U	U
Methyl Parathion		mg/L				.001	U	U				.001	U	U
Mevinphos		mg/L				.001	U	UJ				.001	U	UJ
Naled		mg/L				.001	U	UJ				.001	U	UJ
Parathion		mg/L				.001	U	U				.001	U	U
Phorate		mg/L				.001	U	U				.001	U	U
Ronnel		mg/L				.001	U	U				.001	U	U
Stirophos		mg/L				.001	U	UJ				.001	U	UJ
Sulfotep		mg/L				.001	U	U				.001	U	U
Thionazin		mg/L				.001	U	U				.001	U	U
Tokuthion		mg/L				.001	U	U				.001	U	U
Trichloronate		mg/L				.001	U	U				.001	U	U
PEST/PCB														
SW8082														
Aroclor 1016		mg/L				.00097	U	U				.00096	U	U
Aroclor 1221		mg/L				.00097	U	U				.00096	U	U
Aroclor 1232		mg/L				.00097	U	U				.00096	U	U
Aroclor 1242		mg/L				.00097	U	U				.00096	U	U
Aroclor 1248		mg/L				.00097	U	U				.00096	U	U
Aroclor 1254		mg/L				.00097	U	U				.00096	U	U
Aroclor 1260		mg/L				.00097	U	U				.00096	U	U
SEMIVOLATILES														
SW8270C														
1,2,4-Trichlorobenzene		mg/L				.0096	U	U				.0096	U	U
1,2-Dichlorobenzene		mg/L				.0096	U	U				.0096	U	U
1,3-Dichlorobenzene		mg/L				.0096	U	U				.0096	U	U
1,4-Dichlorobenzene		mg/L				.0096	U	U				.0096	U	U
2,4,5-Trichlorophenol		mg/L				.0096	U	U				.0096	U	U
2,4,6-Trichlorophenol		mg/L				.0096	U	U				.0096	U	U

		Location Code:	HR-80Q-SW/SD02			HR-80Q-SW/SD02			HR-80Q-SW/SD03			HR-80Q-SW/SD03		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2002			QB2011			QB2003			QB2004		
		Sample Date:	27-AUG-01			04-FEB-02			28-AUG-01			28-AUG-01		
User Test Group														
Lab Method														
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES														
SW8270C														
2,4-Dichlorophenol		mg/L				.0098	U	U						
2,4-Dimethylphenol		mg/L				.0098	U	U						
2,4-Dinitrophenol		mg/L				.02	U	U						
2,4-Dinitrotoluene		mg/L				.02	U	U						
2,6-Dinitrotoluene		mg/L				.02	U	U						
2-Chloronaphthalene		mg/L				.0098	U	U						
2-Chlorophenol		mg/L				.0098	U	U						
2-Methylnaphthalene		mg/L				.0098	U	U						
2-Methylphenol		mg/L				.0098	U	U						
2-Nitroaniline		mg/L				.02	U	U						
2-Nitrophenol		mg/L				.0098	U	U						
3,3-Dichlorobenzidine		mg/L				.0098	U	U						
3-Nitroaniline		mg/L				.0098	U	U						
4,6-Dinitro-2-methylphenol		mg/L				.02	U	U						
4-Bromophenyl phenyl ether		mg/L				.02	U	U						
4-Chloro-3-methylphenol		mg/L				.0098	U	U						
4-Chloroaniline		mg/L				.0098	U	U						
4-Chlorophenyl phenyl ether		mg/L				.0098	U	U						
4-Methylphenol		mg/L				.0098	U	U						
4-Nitroaniline		mg/L				.0098	U	U						
4-Nitrophenol		mg/L				.0098	U	U						
Acenaphthene		mg/L				.0098	U	U						
Acenaphthylene		mg/L				.0098	U	U						
Anthracene		mg/L				.0098	U	U						
Benzo(a)anthracene		mg/L				.0098	U	U						
Benzo(a)pyrene		mg/L				.0098	U	U						
Benzo(b)fluoranthene		mg/L				.0098	U	U						
Benzo(ghi)perylene		mg/L				.0098	U	U						
Benzo(k)fluoranthene		mg/L				.0098	U	U						
Butyl benzyl phthalate		mg/L				.0098	U	U						
Carbazole		mg/L				.0098	U	U						

	Location Code:		HR-80Q-SW/SD03			HR-80Q-SW/SD03			HR-80Q-SW/SD04			HR-80Q-SW/SD04		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2012			QB2013			QB2005			QB2010		
	Sample Date:		04-FEB-02			04-FEB-02			27-AUG-01			30-JAN-02		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES														
SW8270C														
2,4-Dichlorophenol		mg/L	.0094	U	U	.0096	U	U				.01	U	U
2,4-Dimethylphenol		mg/L	.0094	U	U	.0096	U	U				.01	U	U
2,4-Dinitrophenol		mg/L	.019	U	U	.019	U	U				.02	U	U
2,4-Dinitrotoluene		mg/L	.019	U	U	.019	U	U				.02	U	U
2,6-Dinitrotoluene		mg/L	.019	U	U	.019	U	U				.02	U	U
2-Chloronaphthalene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
2-Chlorophenol		mg/L	.0094	U	U	.0096	U	U				.01	U	U
2-Methylnaphthalene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
2-Methylphenol		mg/L	.0094	U	U	.0096	U	U				.01	U	U
2-Nitroaniline		mg/L	.019	U	U	.019	U	U				.02	U	U
2-Nitrophenol		mg/L	.0094	U	U	.0096	U	U				.01	U	U
3,3-Dichlorobenzidine		mg/L	.0094	U	U	.0096	U	U				.01	U	U
3-Nitroaniline		mg/L	.0094	U	U	.0096	U	U				.01	U	U
4,6-Dinitro-2-methylphenol		mg/L	.019	U	U	.019	U	U				.02	U	U
4-Bromophenyl phenyl ether		mg/L	.019	U	U	.019	U	U				.02	U	U
4-Chloro-3-methylphenol		mg/L	.0094	U	U	.0096	U	U				.01	U	U
4-Chloroaniline		mg/L	.0094	U	U	.0096	U	U				.01	U	U
4-Chlorophenyl phenyl ether		mg/L	.0094	U	U	.0096	U	U				.01	U	U
4-Methylphenol		mg/L	.0094	U	U	.0096	U	U				.01	U	U
4-Nitroaniline		mg/L	.0094	U	U	.0096	U	U				.01	U	U
4-Nitrophenol		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Acenaphthene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Acenaphthylene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Anthracene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Benzo(a)anthracene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Benzo(a)pyrene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Benzo(b)fluoranthene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Benzo(ghi)perylene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Benzo(k)fluoranthene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Butyl benzyl phthalate		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Carbazole		mg/L	.0094	U	U	.0096	U	U				.01	U	U

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

		Location Code:	HR-80Q-SW/SD06			HR-80Q-SW/SD06			HR-80Q-SW/SD07			HR-80Q-SW/SD07		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2007			QB2014			QB2008			QB2009		
		Sample Date:	27-SEP-01			05-FEB-02			27-AUG-01			05-FEB-02		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES														
SW8270C														
2,4-Dichlorophenol		mg/L				.0096	U	U				.0096	U	U
2,4-Dimethylphenol		mg/L				.0096	U	U				.0096	U	U
2,4-Dinitrophenol		mg/L				.019	U	U				.019	U	U
2,4-Dinitrotoluene		mg/L				.019	U	U				.019	U	U
2,6-Dinitrotoluene		mg/L				.019	U	U				.019	U	U
2-Chloronaphthalene		mg/L				.0096	U	U				.0096	U	U
2-Chlorophenol		mg/L				.0096	U	U				.0096	U	U
2-Methylnaphthalene		mg/L				.0096	U	U				.0096	U	U
2-Methylphenol		mg/L				.0096	U	U				.0096	U	U
2-Nitroaniline		mg/L				.019	U	U				.019	U	U
2-Nitrophenol		mg/L				.0096	U	U				.0096	U	U
3,3-Dichlorobenzidine		mg/L				.0096	U	U				.0096	U	U
3-Nitroaniline		mg/L				.0096	U	U				.0096	U	U
4,6-Dinitro-2-methylphenol		mg/L				.019	U	U				.019	U	U
4-Bromophenyl phenyl ether		mg/L				.019	U	U				.019	U	U
4-Chloro-3-methylphenol		mg/L				.0096	U	U				.0096	U	U
4-Chloroaniline		mg/L				.0096	U	U				.0096	U	U
4-Chlorophenyl phenyl ether		mg/L				.0096	U	U				.0096	U	U
4-Methylphenol		mg/L				.0096	U	U				.0096	U	U
4-Nitroaniline		mg/L				.0096	U	U				.0096	U	U
4-Nitrophenol		mg/L				.0096	U	U				.0096	U	U
Acenaphthene		mg/L				.0096	U	U				.0096	U	U
Acenaphthylene		mg/L				.0096	U	U				.0096	U	U
Anthracene		mg/L				.0096	U	U				.0096	U	U
Benzo(a)anthracene		mg/L				.0096	U	U				.0096	U	U
Benzo(a)pyrene		mg/L				.0096	U	U				.0096	U	U
Benzo(b)fluoranthene		mg/L				.0096	U	U				.0096	U	U
Benzo(ghi)perylene		mg/L				.0096	U	U				.0096	U	U
Benzo(k)fluoranthene		mg/L				.0096	U	U				.0096	U	U
Butyl benzyl phthalate		mg/L				.0096	U	U				.0096	U	U
Carbazole		mg/L				.0096	U	U				.0096	U	U

		Location Code:	HR-80Q-SW/SD02			HR-80Q-SW/SD02			HR-80Q-SW/SD03			HR-80Q-SW/SD03		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2002			QB2011			QB2003			QB2004		
		Sample Date:	27-AUG-01			04-FEB-02			28-AUG-01			28-AUG-01		
User Test Group														
Lab Method														
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES														
SW8270C														
Chrysene		mg/L				.0098	U	U						
Di-n-butyl phthalate		mg/L				.0098	U	U						
Di-n-octyl phthalate		mg/L				.0098	U	U						
Dibenz(a,h)anthracene		mg/L				.0098	U	U						
Dibenzofuran		mg/L				.0098	U	U						
Diethyl phthalate		mg/L				.02	U	U						
Dimethyl phthalate		mg/L				.02	U	U						
Fluoranthene		mg/L				.0098	U	U						
Fluorene		mg/L				.0098	U	U						
Hexachlorobenzene		mg/L				.02	U	U						
Hexachlorobutadiene		mg/L				.0098	U	U						
Hexachlorocyclopentadiene		mg/L				.0098	U	U						
Hexachloroethane		mg/L				.0098	U	U						
Indeno(1,2,3-cd)pyrene		mg/L				.0098	U	U						
Isophorone		mg/L				.0098	U	U						
Naphthalene		mg/L				.0098	U	U						
Nitrobenzene		mg/L				.0098	U	U						
Pentachlorophenol		mg/L				.02	U	U						
Phenanthrene		mg/L				.02	U	U						
Phenol		mg/L				.0098	U	U						
Pyrene		mg/L				.0098	U	U						
bis(2-Chloroethoxy)methane		mg/L				.0098	U	U						
bis(2-Chloroethyl)ether		mg/L				.0098	U	U						
bis(2-Chloroisopropyl)ether		mg/L				.0098	U	U						
bis(2-Ethylhexyl)phthalate		mg/L				.02	U	U						
n-Nitroso-di-n-propylamine		mg/L				.0098	U	U						
n-Nitrosodiphenylamine		mg/L				.0098	U	U						
VOLATILES														
SW8260B														
1,1,1,2-Tetrachloroethane		mg/L				.001	U	U						

		Location Code:	HR-80Q-SW/SD03			HR-80Q-SW/SD03			HR-80Q-SW/SD04			HR-80Q-SW/SD04		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2012			QB2013			QB2005			QB2010		
		Sample Date:	04-FEB-02			04-FEB-02			27-AUG-01			30-JAN-02		
User Test Group														
Lab Method														
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES														
SW8270C														
Chrysene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Di-n-butyl phthalate		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Di-n-octyl phthalate		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Dibenz(a,h)anthracene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Dibenzofuran		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Diethyl phthalate		mg/L	.019	U	U	.019	U	U				.02	U	U
Dimethyl phthalate		mg/L	.019	U	U	.019	U	U				.02	U	U
Fluoranthene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Fluorene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Hexachlorobenzene		mg/L	.019	U	U	.019	U	U				.02	U	U
Hexachlorobutadiene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Hexachlorocyclopentadiene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Hexachloroethane		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Indeno(1,2,3-cd)pyrene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Isophorone		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Naphthalene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Nitrobenzene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Pentachlorophenol		mg/L	.019	U	U	.019	U	U				.02	U	U
Phenanthrene		mg/L	.019	U	U	.019	U	U				.02	U	U
Phenol		mg/L	.0094	U	U	.0096	U	U				.01	U	U
Pyrene		mg/L	.0094	U	U	.0096	U	U				.01	U	U
bis(2-Chloroethoxy)methane		mg/L	.0094	U	U	.0096	U	U				.01	U	U
bis(2-Chloroethyl)ether		mg/L	.0094	U	U	.0096	U	U				.01	U	U
bis(2-Chloroisopropyl)ether		mg/L	.0094	U	U	.0096	U	U				.01	U	U
bis(2-Ethylhexyl)phthalate		mg/L	.019	U	U	.019	U	U				.02	U	U
n-Nitroso-di-n-propylamine		mg/L	.0094	U	U	.0096	U	U				.01	U	U
n-Nitrosodiphenylamine		mg/L	.0094	U	U	.0096	U	U				.01	U	U
VOLATILES														
SW8260B														
1,1,1,2-Tetrachloroethane		mg/L	.001	U	U	.001	U	U				.001	U	U

		Location Code:	HR-80Q-SW/SD06			HR-80Q-SW/SD06			HR-80Q-SW/SD07			HR-80Q-SW/SD07		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2007			QB2014			QB2008			QB2009		
		Sample Date:	27-SEP-01			05-FEB-02			27-AUG-01			05-FEB-02		
User Test Group														
Lab Method														
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
SEMIVOLATILES														
SW8270C														
Chrysene		mg/L				.0096	U	U				.0096	U	U
Di-n-butyl phthalate		mg/L				.0096	U	U				.0096	U	U
Di-n-octyl phthalate		mg/L				.0096	U	U				.0096	U	U
Dibenz(a,h)anthracene		mg/L				.0096	U	U				.0096	U	U
Dibenzofuran		mg/L				.0096	U	U				.0096	U	U
Diethyl phthalate		mg/L				.019	U	U				.019	U	U
Dimethyl phthalate		mg/L				.019	U	U				.019	U	U
Fluoranthene		mg/L				.0096	U	U				.0096	U	U
Fluorene		mg/L				.0096	U	U				.0096	U	U
Hexachlorobenzene		mg/L				.019	U	U				.019	U	U
Hexachlorobutadiene		mg/L				.0096	U	U				.0096	U	U
Hexachlorocyclopentadiene		mg/L				.0096	U	U				.0096	U	U
Hexachloroethane		mg/L				.0096	U	U				.0096	U	U
Indeno(1,2,3-cd)pyrene		mg/L				.0096	U	U				.0096	U	U
Isophorone		mg/L				.0096	U	U				.0096	U	U
Naphthalene		mg/L				.0096	U	U				.0096	U	U
Nitrobenzene		mg/L				.0096	U	U				.0096	U	U
Pentachlorophenol		mg/L				.019	U	U				.019	U	U
Phenanthrene		mg/L				.019	U	U				.019	U	U
Phenol		mg/L				.0096	U	U				.0096	U	U
Pyrene		mg/L				.0096	U	U				.0096	U	U
bis(2-Chloroethoxy)methane		mg/L				.0096	U	U				.0096	U	U
bis(2-Chloroethyl)ether		mg/L				.0096	U	U				.0096	U	U
bis(2-Chloroisopropyl)ether		mg/L				.0096	U	U				.0096	U	U
bis(2-Ethylhexyl)phthalate		mg/L				.019	U	U				.019	U	U
n-Nitroso-di-n-propylamine		mg/L				.0096	U	U				.0096	U	U
n-Nitrosodiphenylamine		mg/L				.0096	U	U				.0096	U	U
VOLATILES														
SW8260B														
1,1,1,2-Tetrachloroethane		mg/L				.001	U	U				.001	U	U

	Location Code:		HR-80Q-SW/SD02			HR-80Q-SW/SD02			HR-80Q-SW/SD03			HR-80Q-SW/SD03		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB2002			QB2011			QB2003			QB2004		
	Sample Date:		27-AUG-01			04-FEB-02			28-AUG-01			28-AUG-01		
User Test Group															
Lab Method															
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES															
SW8260B															
1,1,1-Trichloroethane		mg/L				.001	U	U							
1,1,2,2-Tetrachloroethane		mg/L				.001	U	U							
1,1,2-Trichloroethane		mg/L				.001	U	U							
1,1-Dichloroethane		mg/L				.001	U	U							
1,1-Dichloroethene		mg/L				.001	U	U							
1,1-Dichloropropene		mg/L				.001	U	U							
1,2,3-Trichlorobenzene		mg/L				.001	U	U							
1,2,3-Trichloropropane		mg/L				.001	U	U							
1,2,4-Trichlorobenzene		mg/L				.001	U	U							
1,2,4-Trimethylbenzene		mg/L				.001	U	U							
1,2-Dibromo-3-Chloropropane		mg/L				.002	U	R							
1,2-Dibromoethane		mg/L				.001	U	U							
1,2-Dichlorobenzene		mg/L				.001	U	U							
1,2-Dichloroethane		mg/L				.001	U	U							
1,2-Dichloropropane		mg/L				.001	U	U							
1,2-Dimethylbenzene		mg/L				.001	U	U							
1,3,5-Trimethylbenzene		mg/L				.001	U	U							
1,3-Dichlorobenzene		mg/L				.001	U	U							
1,3-Dichloropropane		mg/L				.001	U	U							
1,4-Dichlorobenzene		mg/L				.005	U	U							
2-Butanone		mg/L				.01	U	R							
2-Hexanone		mg/L				.01	U	U							
4-Methyl-2-pentanone		mg/L				.01	U	U							
Acetone		mg/L				.01	U	R							
Benzene		mg/L				.001	U	U							
Bromobenzene		mg/L				.001	U	U							
Bromochloromethane		mg/L				.001	U	R							
Bromodichloromethane		mg/L				.001	U	U							
Bromoform		mg/L				.001	U	U							
Bromomethane		mg/L				.001	U	U							
Carbon disulfide		mg/L				.001	U	U							

		Location Code:	HR-80Q-SW/SD03			HR-80Q-SW/SD03			HR-80Q-SW/SD04			HR-80Q-SW/SD04		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2012			QB2013			QB2005			QB2010		
		Sample Date:	04-FEB-02			04-FEB-02			27-AUG-01			30-JAN-02		
User Test Group														
Lab Method														
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES														
SW8260B														
1,1,1-Trichloroethane		mg/L	.001	U	U	.001	U	U				.001	U	U
1,1,2,2-Tetrachloroethane		mg/L	.001	U	U	.001	U	U				.001	U	U
1,1,2-Trichloroethane		mg/L	.001	U	U	.001	U	U				.001	U	U
1,1-Dichloroethane		mg/L	.001	U	U	.001	U	U				.001	U	U
1,1-Dichloroethene		mg/L	.001	U	U	.001	U	U				.001	U	U
1,1-Dichloropropene		mg/L	.001	U	U	.001	U	U				.001	U	U
1,2,3-Trichlorobenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
1,2,3-Trichloropropane		mg/L	.001	U	U	.001	U	U				.001	U	U
1,2,4-Trichlorobenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
1,2,4-Trimethylbenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
1,2-Dibromo-3-Chloropropane		mg/L	.002	U	R	.002	U	R				.002	U	R
1,2-Dibromoethane		mg/L	.001	U	U	.001	U	U				.001	U	U
1,2-Dichlorobenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
1,2-Dichloroethane		mg/L	.001	U	U	.001	U	U				.001	U	U
1,2-Dichloropropane		mg/L	.001	U	U	.001	U	U				.001	U	U
1,2-Dimethylbenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
1,3,5-Trimethylbenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
1,3-Dichlorobenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
1,3-Dichloropropane		mg/L	.001	U	U	.001	U	U				.001	U	U
1,4-Dichlorobenzene		mg/L	.005	U	U	.005	U	U				.005	U	U
2-Butanone		mg/L	.01	U	R	.01	U	R				.01	U	R
2-Hexanone		mg/L	.01	U	U	.01	U	U				.01	U	U
4-Methyl-2-pentanone		mg/L	.01	U	U	.01	U	U				.01	U	U
Acetone		mg/L	.01	U	R	.01	U	R				.01	U	R
Benzene		mg/L	.001	U	U	.001	U	U				.001	U	U
Bromobenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
Bromochloromethane		mg/L	.001	U	R	.001	U	R				.001	U	U
Bromodichloromethane		mg/L	.001	U	U	.001	U	U				.001	U	U
Bromoform		mg/L	.001	U	U	.001	U	U				.001	U	U
Bromomethane		mg/L	.001	U	U	.001	U	U				.001	U	UJ
Carbon disulfide		mg/L	.001	U	U	.001	U	U				.001	U	UJ

		Location Code:	HR-80Q-SW/SD06			HR-80Q-SW/SD06			HR-80Q-SW/SD07			HR-80Q-SW/SD07		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2007			QB2014			QB2008			QB2009		
		Sample Date:	27-SEP-01			05-FEB-02			27-AUG-01			05-FEB-02		
User Test Group														
Lab Method														
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES														
SW8260B														
1,1,1-Trichloroethane		mg/L				.001	U	U				.001	U	U
1,1,2,2-Tetrachloroethane		mg/L				.001	U	U				.001	U	U
1,1,2-Trichloroethane		mg/L				.001	U	U				.001	U	U
1,1-Dichloroethane		mg/L				.001	U	U				.001	U	U
1,1-Dichloroethene		mg/L				.001	U	U				.001	U	U
1,1-Dichloropropene		mg/L				.001	U	U				.001	U	U
1,2,3-Trichlorobenzene		mg/L				.001	U	U				.001	U	U
1,2,3-Trichloropropane		mg/L				.001	U	U				.001	U	U
1,2,4-Trichlorobenzene		mg/L				.001	U	U				.001	U	U
1,2,4-Trimethylbenzene		mg/L				.001	U	U				.001	U	U
1,2-Dibromo-3-Chloropropane		mg/L				.002	U	R				.002	U	R
1,2-Dibromoethane		mg/L				.001	U	U				.001	U	U
1,2-Dichlorobenzene		mg/L				.001	U	U				.001	U	U
1,2-Dichloroethane		mg/L				.001	U	U				.001	U	U
1,2-Dichloropropane		mg/L				.001	U	U				.001	U	U
1,2-Dimethylbenzene		mg/L				.001	U	U				.001	U	U
1,3,5-Trimethylbenzene		mg/L				.001	U	U				.001	U	U
1,3-Dichlorobenzene		mg/L				.001	U	U				.001	U	U
1,3-Dichloropropane		mg/L				.001	U	U				.001	U	U
1,4-Dichlorobenzene		mg/L				.005	U	U				.005	U	U
2-Butanone		mg/L				.01	U	R				.01	U	R
2-Hexanone		mg/L				.01	U	R				.01	U	U
4-Methyl-2-pentanone		mg/L				.01	U	U				.01	U	U
Acetone		mg/L				.01	U	R				.01	U	R
Benzene		mg/L				.001	U	U				.001	U	U
Bromobenzene		mg/L				.001	U	U				.001	U	U
Bromochloromethane		mg/L				.001	U	R				.001	U	R
Bromodichloromethane		mg/L				.001	U	U				.001	U	U
Bromoform		mg/L				.001	U	U				.001	U	U
Bromomethane		mg/L				.001	U	U				.001	U	U
Carbon disulfide		mg/L				.001	U	U				.001	U	U

		Location Code:	HR-80Q-SW/SD02			HR-80Q-SW/SD02			HR-80Q-SW/SD03			HR-80Q-SW/SD03		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2002			QB2011			QB2003			QB2004		
		Sample Date:	27-AUG-01			04-FEB-02			28-AUG-01			28-AUG-01		
User Test Group														
Lab Method														
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES														
SW8260B														
Carbon tetrachloride		mg/L				.001	U	U						
Chlorobenzene		mg/L				.001	U	U						
Chloroethane		mg/L				.001	U	U						
Chloroform		mg/L				.001	U	U						
Chloromethane		mg/L				.001	U	U						
Cumene		mg/L				.001	U	U						
Dibromochloromethane		mg/L				.001	U	U						
Dibromomethane		mg/L				.001	U	U						
Dichlorodifluoromethane		mg/L				.001	U	U						
Ethylbenzene		mg/L				.001	U	U						
Hexachlorobutadiene		mg/L				.001	U	U						
Methylene chloride		mg/L				.002	U	UJ						
Naphthalene		mg/L				.001	U	U						
Styrene		mg/L				.001	U	U						
Tetrachloroethene		mg/L				.001	U	U						
Toluene		mg/L				.001	U	U						
Trichloroethene		mg/L				.001	U	U						
Trichlorofluoromethane		mg/L				.001	U	U						
Vinyl chloride		mg/L				.001	U	U						
cis-1,2-Dichloroethene		mg/L				.001	U	U						
cis-1,3-Dichloropropene		mg/L				.001	U	U						
m,p-Xylenes		mg/L				.002	U	U						
n-Butylbenzene		mg/L				.001	U	U						
n-Propylbenzene		mg/L				.001	U	U						
o-Chlorotoluene		mg/L				.001	U	U						
p-Chlorotoluene		mg/L				.001	U	U						
p-Cymene		mg/L				.001	U	U						
sec-Butylbenzene		mg/L				.001	U	U						
sec-Dichloropropane		mg/L				.001	U	U						
tert-Butylbenzene		mg/L				.001	U	U						
trans-1,2-Dichloroethene		mg/L				.001	U	U						

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

		Location Code:	HR-80Q-SW/SD03			HR-80Q-SW/SD03			HR-80Q-SW/SD04			HR-80Q-SW/SD04		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2012			QB2013			QB2005			QB2010		
		Sample Date:	04-FEB-02			04-FEB-02			27-AUG-01			30-JAN-02		
User Test Group														
Lab Method														
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES														
SW8260B														
Carbon tetrachloride		mg/L	.001	U	U	.001	U	U				.001	U	U
Chlorobenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
Chloroethane		mg/L	.001	U	U	.001	U	U				.001	U	U
Chloroform		mg/L	.001	U	U	.001	U	U				.001	U	U
Chloromethane		mg/L	.001	U	U	.001	U	U				.001	U	UJ
Cumene		mg/L	.001	U	U	.001	U	U				.001	U	U
Dibromochloromethane		mg/L	.001	U	U	.001	U	U				.001	U	U
Dibromomethane		mg/L	.001	U	U	.001	U	U				.001	U	U
Dichlorodifluoromethane		mg/L	.001	U	U	.001	U	U				.001	U	U
Ethylbenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
Hexachlorobutadiene		mg/L	.001	U	U	.001	U	U				.001	U	U
Methylene chloride		mg/L	.002	U	UJ	.00021	J	B				.00034	J	B
Naphthalene		mg/L	.001	U	U	.001	U	U				.001	U	U
Styrene		mg/L	.001	U	U	.001	U	U				.001	U	U
Tetrachloroethene		mg/L	.001	U	U	.001	U	U				.001	U	U
Toluene		mg/L	.001	U	U	.001	U	U				.001	U	U
Trichloroethene		mg/L	.001	U	U	.001	U	U				.001	U	U
Trichlorofluoromethane		mg/L	.001	U	U	.001	U	U				.001	U	U
Vinyl chloride		mg/L	.001	U	U	.001	U	U				.001	U	U
cis-1,2-Dichloroethene		mg/L	.001	U	U	.001	U	U				.001	U	U
cis-1,3-Dichloropropene		mg/L	.001	U	U	.001	U	U				.001	U	U
m,p-Xylenes		mg/L	.002	U	U	.002	U	U				.002	U	U
n-Butylbenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
n-Propylbenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
o-Chlorotoluene		mg/L	.001	U	U	.001	U	U				.001	U	U
p-Chlorotoluene		mg/L	.001	U	U	.001	U	U				.001	U	U
p-Cymene		mg/L	.001	U	U	.001	U	U				.001	U	U
sec-Butylbenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
sec-Dichloropropane		mg/L	.001	U	U	.001	U	U				.001	U	U
tert-Butylbenzene		mg/L	.001	U	U	.001	U	U				.001	U	U
trans-1,2-Dichloroethene		mg/L	.001	U	U	.001	U	U				.001	U	U

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

		Location Code:	HR-80Q-SW/SD06			HR-80Q-SW/SD06			HR-80Q-SW/SD07			HR-80Q-SW/SD07		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2007			QB2014			QB2008			QB2009		
		Sample Date:	27-SEP-01			05-FEB-02			27-AUG-01			05-FEB-02		
User Test Group / *Lab Method* / *Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES														
SW8260B														
Carbon tetrachloride		mg/L				.001	U	U				.001	U	U
Chlorobenzene		mg/L				.001	U	U				.001	U	U
Chloroethane		mg/L				.001	U	U				.001	U	U
Chloroform		mg/L				.001	U	U				.001	U	U
Chloromethane		mg/L				.001	U	U				.001	U	U
Cumene		mg/L				.001	U	U				.001	U	U
Dibromochloromethane		mg/L				.001	U	U				.001	U	U
Dibromomethane		mg/L				.001	U	U				.001	U	U
Dichlorodifluoromethane		mg/L				.001	U	U				.001	U	U
Ethylbenzene		mg/L				.001	U	U				.001	U	U
Hexachlorobutadiene		mg/L				.001	U	U				.001	U	U
Methylene chloride		mg/L				.002	U	UJ				.002	U	UJ
Naphthalene		mg/L				.001	U	U				.001	U	U
Styrene		mg/L				.001	U	U				.001	U	U
Tetrachloroethene		mg/L				.001	U	U				.001	U	U
Toluene		mg/L				.001	U	U				.001	U	U
Trichloroethene		mg/L				.001	U	U				.001	U	U
Trichlorofluoromethane		mg/L				.001	U	U				.001	U	U
Vinyl chloride		mg/L				.001	U	U				.001	U	U
cis-1,2-Dichloroethene		mg/L				.001	U	U				.001	U	U
cis-1,3-Dichloropropene		mg/L				.001	U	U				.001	U	U
m,p-Xylenes		mg/L				.002	U	U				.002	U	U
n-Butylbenzene		mg/L				.001	U	U				.001	U	U
n-Propylbenzene		mg/L				.001	U	U				.001	U	U
o-Chlorotoluene		mg/L				.001	U	U				.001	U	U
p-Chlorotoluene		mg/L				.001	U	U				.001	U	U
p-Cymene		mg/L				.001	U	U				.001	U	U
sec-Butylbenzene		mg/L				.001	U	U				.001	U	U
sec-Dichloropropane		mg/L				.001	U	U				.001	U	U
tert-Butylbenzene		mg/L				.001	U	U				.001	U	U
trans-1,2-Dichloroethene		mg/L				.001	U	U				.001	U	U

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

		Location Code:	HR-80Q-SW/SD02			HR-80Q-SW/SD02			HR-80Q-SW/SD03			HR-80Q-SW/SD03		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2002			QB2011			QB2003			QB2004		
		Sample Date:	27-AUG-01			04-FEB-02			28-AUG-01			28-AUG-01		
User Test Group														
Lab Method														
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES														
SW8260B														
trans-1,3-Dichloropropene		mg/L				.001	U	U						

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

		Location Code:	HR-80Q-SW/SD03			HR-80Q-SW/SD03			HR-80Q-SW/SD04			HR-80Q-SW/SD04		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2012			QB2013			QB2005			QB2010		
		Sample Date:	04-FEB-02			04-FEB-02			27-AUG-01			30-JAN-02		
User Test Group														
Lab Method	*Parameter*	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES															
SW8260B															
	trans-1,3-Dichloropropene		mg/L	.001	U	U	.001	U	U				.001	U	U

Summary of Validated Surface Water Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

		Location Code:	HR-80Q-SW/SD06			HR-80Q-SW/SD06			HR-80Q-SW/SD07			HR-80Q-SW/SD07		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB2007			QB2014			QB2008			QB2009		
		Sample Date:	27-SEP-01			05-FEB-02			27-AUG-01			05-FEB-02		
User Test Group														
Lab Method														
Parameter	*Flt*	*Units*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*	*Result*	*Qual*	*VQual*
VOLATILES														
SW8260B														
trans-1,3-Dichloropropene		mg/L				.001	U	U				.001	U	U

Summary of Validated Groundwater Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

		Location Code:	HR-80Q-MW02			HR-80Q-MW03			HR-80Q-MW03			HR-80Q-MW04		
		Associated Site:	HR-80Q			HR-80Q			HR-80Q			HR-80Q		
		Sample No:	QB3002			QB3003			QB3004			QB3005		
		Sample Date:	07-AUG-01			07-AUG-01			07-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	.0004	U	U	.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	.0004	U	U	.0004	U	U	.0004	U	U
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	.0004	U	U	.0004	U	U	.0004	U	U
3-Nitrotoluene		mg/L	.0006	U	UJ	.0006	U	UJ	.0006	U	UJ	.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	.0004	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	.0004	U	U	.0004	U	U	.0004	U	U
p-Nitrotoluene		mg/L	.0006	U	U	.0006	U	U	.0006	U	U	.0004	U	U
METALS														
SW6010B														
Aluminum		mg/L	.2	U	U	.069	J	B	.244		B	.419		
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	.114			.0672			.0733			.0141		
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	2.27			3.42			3.61			2.53		
Chromium		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Cobalt		mg/L	.0229		B	.02	U	U	.0113	J	B	.02	U	U
Copper		mg/L	.00422	J	B	.02	U	U	.02	U	U	.02	U	U
Iron		mg/L	.127	J	B	.0879	J	B	.156	J	B	.077	J	B
Lead		mg/L	.00147	J	J	.01	U	U	.01	U	U	.00141	J	J
Magnesium		mg/L	1.15			1.2			1.27			.345	J	J
Manganese		mg/L	2.43			.408			.449			.0732		

Summary of Validated Groundwater Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

		Location Code:	HR-80Q-MW05			HR-80Q-MW06		
		Associated Site:	HR-80Q			HR-80Q		
		Sample No:	QB3006			QB3007		
		Sample Date:	08-AUG-01			01-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	UJ	.0004	U	U
4-Amino-2,6-dinitrotoluene		mg/L	.0004	U	U	.00061		
HMX		mg/L	.0004	U	U	.001	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	.0004	U	U
METALS								
SW6010B								
Aluminum		mg/L	.19	J	B	.2	U	U
Antimony		mg/L	.1	U	U	.1	U	U
Arsenic		mg/L	.01	U	U	.01	U	U
Barium		mg/L	.0759			.00696	J	B
Beryllium		mg/L	.001	U	U	.001	U	U
Cadmium		mg/L	.01	U	U	.01	U	U
Calcium		mg/L	1.21			1.36		
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	10.3			.2	U	U
Lead		mg/L	.01	U	U	.01	U	U
Magnesium		mg/L	.547	J	B	.163	J	J
Manganese		mg/L	.633			.061		

Summary of Validated Groundwater Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

	Location Code:		HR-80Q-MW02			HR-80Q-MW03			HR-80Q-MW03			HR-80Q-MW04		
	Associated Site:		HR-80Q			HR-80Q			HR-80Q			HR-80Q		
	Sample No:		QB3002			QB3003			QB3004			QB3005		
	Sample Date:		07-AUG-01			07-AUG-01			07-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	4.98	J	J	8.72			8.56			2.61	J	J
Selenium		mg/L	.008	J	B	.01	U	U	.01	U	U	.01	U	U
Silver		mg/L	.01	U	U	.01	U	U	.01	U	U	.01	U	U
Sodium		mg/L	2.17			1.81			1.81			.703	J	J
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	.02	U	U	.02	U	U	.00687	J	B	.02	U	U
SW7470A														
Mercury		mg/L	.0005	U	U	.0005	U	U	.0005	U	U	.0005	U	U

Summary of Validated Groundwater Data
Range 24 Upper (Parcel 80Q), Bains Gap Road
Fort McClellan, Alabama

Report Date: 04/01/02

		Location Code:	HR-80Q-MW05			HR-80Q-MW06		
		Associated Site:	HR-80Q			HR-80Q		
		Sample No:	QB3006			QB3007		
		Sample Date:	08-AUG-01			01-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	2.3	J	J	2.51	J	J
Selenium		mg/L	.01	U	U	.01	U	U
Silver		mg/L	.01	U	U	.01	U	U
Sodium		mg/L	2.41			3.34		
Thallium		mg/L	.01	U	U	.01	U	U
Vanadium		mg/L	.01	U	U	.01	U	U
Zinc		mg/L	.0156	J	B	.02	U	U
SW7470A								
Mercury		mg/L	.0005	U	U	.0005	U	U

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. QB1002

Project No. 796887.11020300

IT Lab Sample No. ETDC-9763

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 25.3%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	85.2%
	#4	4.750	69.8%
	#10	2.000	51.7%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	35.2%
	#40	0.425	18.8%
	#60	0.250	13.4%
	#100	0.149	10.7%
	#140	0.106	9.3%
	#200	0.075	7.9%

HYDROMETER ANALYSIS

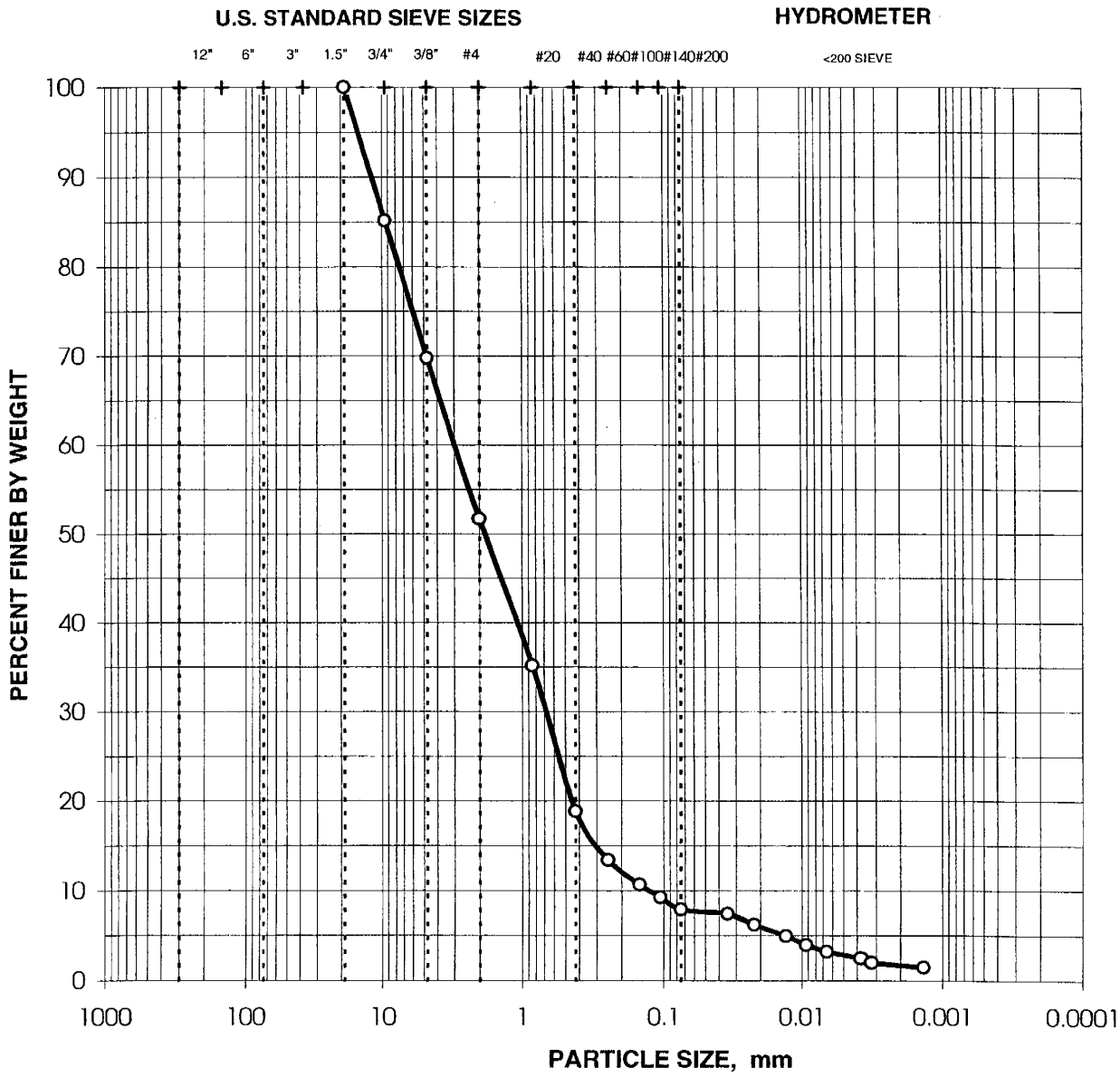
	Diameter mm	Percent Finer
HYDROMETER		
	0.03467	7.4%
	0.02222	6.2%
	0.01305	4.9%
	0.00932	4.0%
	0.00662	3.2%
	0.00378	2.5%
	0.00323	2.0%
	0.00137	1.5%

30.2% Gravel 61.9% Sand 7.9% Silt/Clay

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

Fort McClellan



CLIENT SAMPLE NO.: QB1002

IT LAB SAMPLE NO.: ETDC-9763

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
(865) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name Fort McClellan

Client Sample No. QB1003

Project No. 796887.11020300

IT Lab Sample No. ETDC-9769

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 21.3%
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	91.2%
	#4	4.750	66.3%
	#10	2.000	43.6%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	33.8%
	#40	0.425	24.3%
	#60	0.250	17.5%
	#100	0.149	12.5%
	#140	0.106	9.3%
	#200	0.075	6.5%

HYDROMETER ANALYSIS

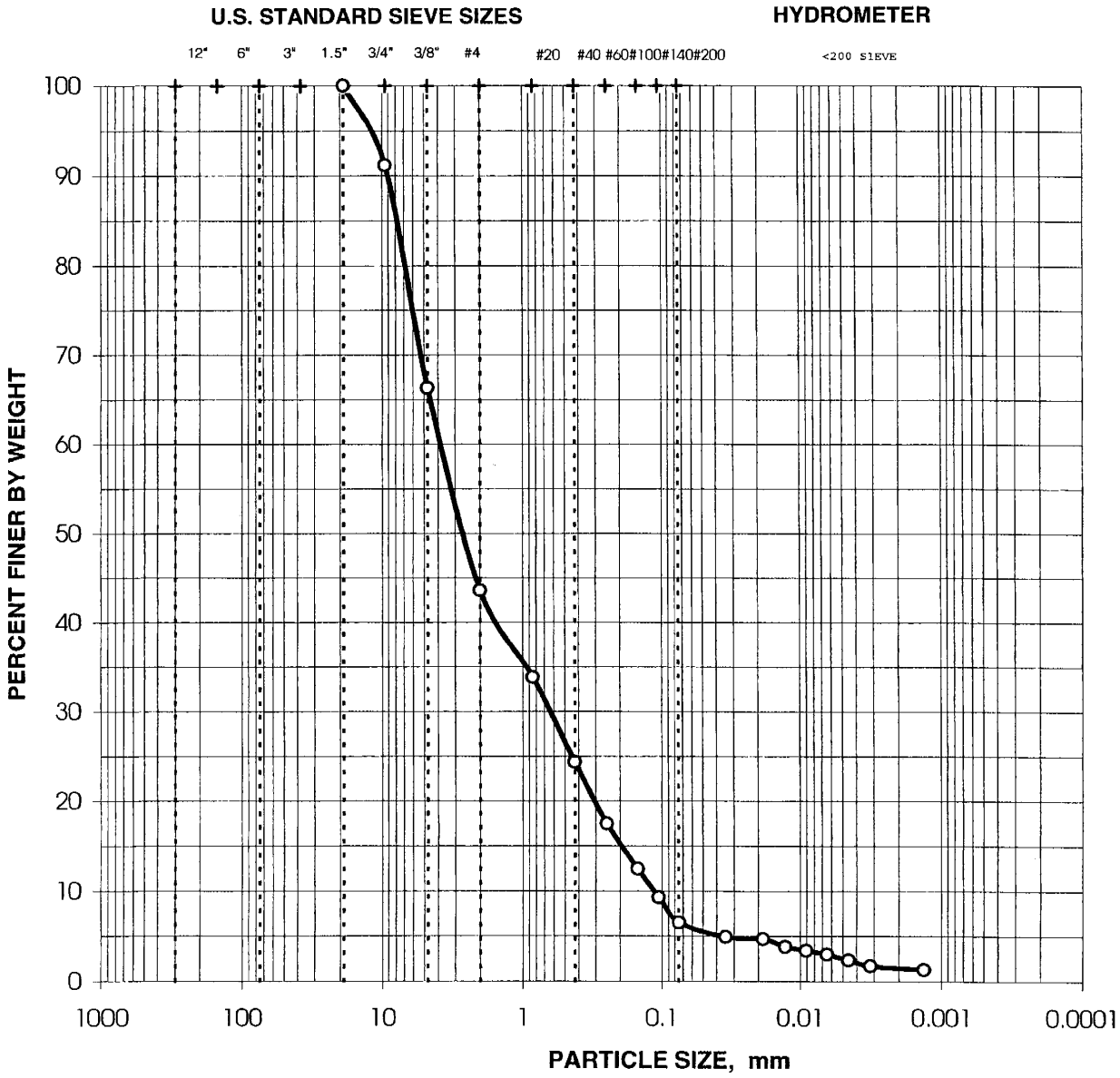
HYDROMETER	Diameter mm	Percent Finer
	0.03448	4.9%
	0.01850	4.7%
	0.01278	3.8%
	0.00910	3.4%
	0.00648	3.0%
	0.00456	2.3%
	0.00319	1.7%
	0.00134	1.3%

33.7% Gravel 59.8% Sand 6.5% Silt/Clay

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

Fort McClellan



CLIENT SAMPLE NO.: QB1003

IT LAB SAMPLE NO.: ETDC-9769

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
(865) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name Fort McClellan

Client Sample No. QB1005

Project No. 796887.11020300

IT Lab Sample No. ETDC-9764

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 32.7%
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	93.5%
	#4	4.750	86.8%
	#10	2.000	82.4%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	77.5%
	#40	0.425	60.4%
	#60	0.250	43.9%
	#100	0.149	32.0%
	#140	0.106	24.9%
	#200	0.075	17.3%

HYDROMETER ANALYSIS

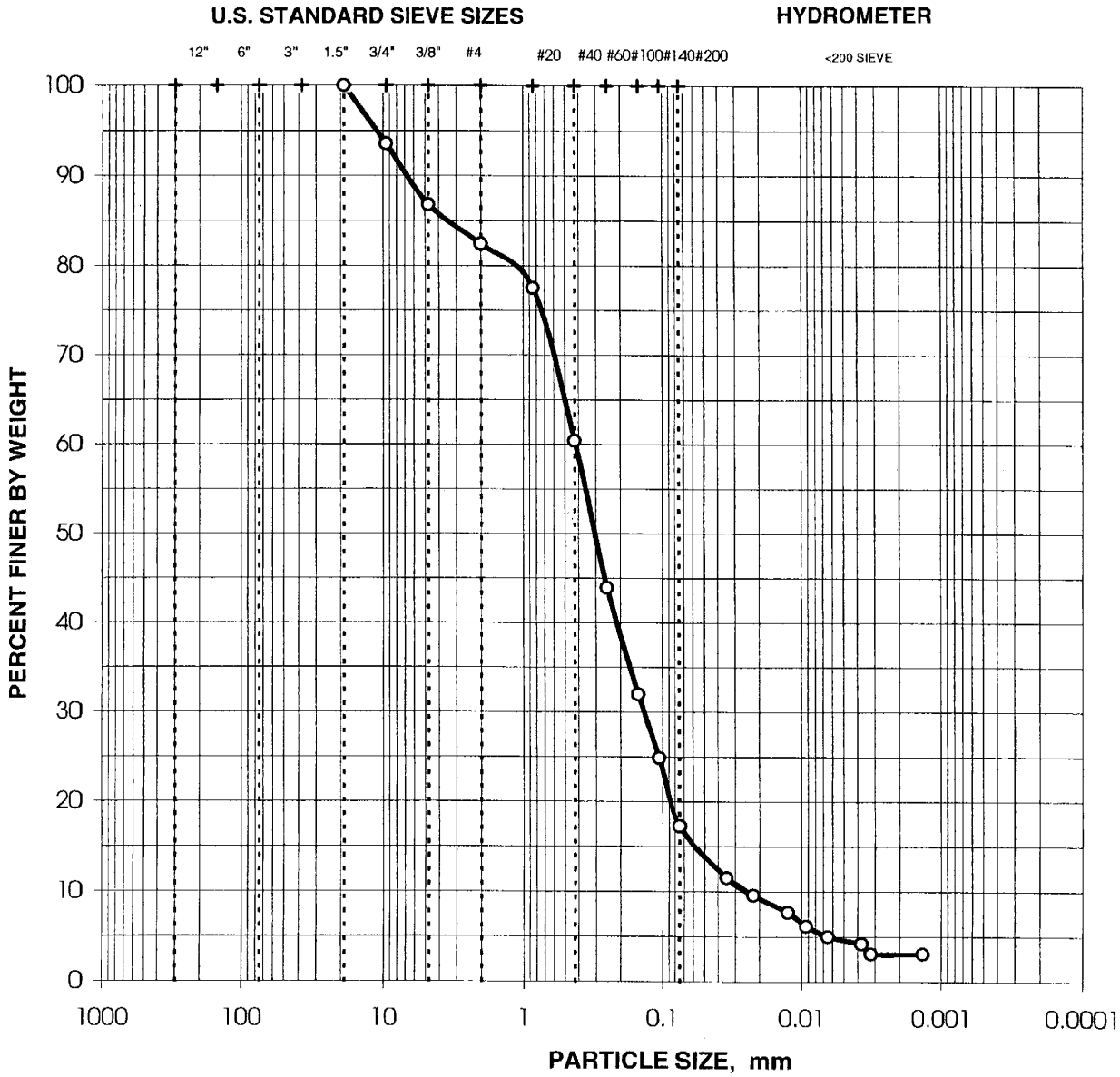
HYDROMETER	Diameter mm	Percent Finer
	0.04826	13.0%
	0.03467	11.5%
	0.02222	9.6%
	0.01263	7.7%
	0.00932	6.1%
	0.00653	5.0%
	0.00377	4.2%
	0.00323	3.1%
	0.00136	3.1%

13.2% Gravel 69.5% Sand 17.3% Silt/Clay

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

Fort McClellan



CLIENT SAMPLE NO.: QB1005

IT LAB SAMPLE NO.: ETDC-9764

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

Duane Nielsen
IT Corporation
December 6, 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. QB1007

Project No. 796889.11020300

IT Lab Sample No. ETDC-9823

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 23.8%
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	95.3%
	0.375"	9.500	82.1%
	#4	4.750	72.9%
	#10	2.000	62.6%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	52.4%
	#40	0.425	36.7%
	#60	0.250	24.9%
	#100	0.149	16.0%
	#140	0.106	11.8%
	#200	0.075	9.0%

HYDROMETER ANALYSIS

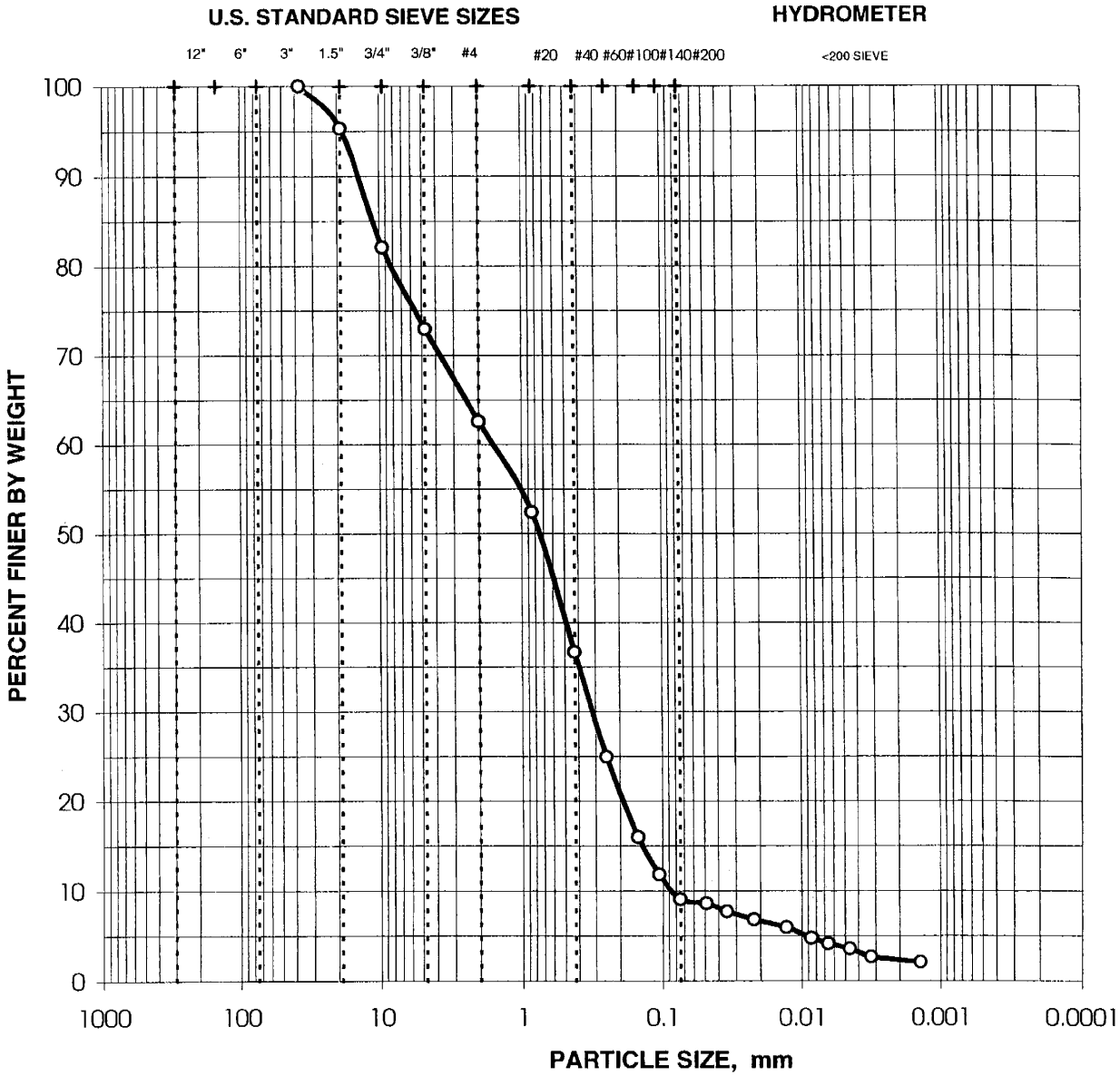
HYDROMETER	Diameter mm	Percent Finer
	0.04884	8.6%
	0.03480	7.7%
	0.02222	6.8%
	0.01295	5.9%
	0.00857	4.7%
	0.00659	4.2%
	0.00464	3.6%
	0.00324	2.7%
	0.00141	2.1%

27.1% Gravel 63.9% Sand 9.0% Silt/Clay

Duane Nielsen
IT Corporation
December 6, 2001
IT Project ID: Fort McClellan
IT Project No.: 796887.11020300

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

Fort McClellan



CLIENT SAMPLE NO.: QB1007

IT LAB SAMPLE NO.: ETDC-9823

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
(865) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name Fort McClellan

Client Sample No. QB1008

Project No. 796887.11020300

IT Lab Sample No. ETDC-9765

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 31.9%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	90.1%
	#4	4.750	76.2%
	#10	2.000	56.0%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	39.2%
	#40	0.425	25.1%
	#60	0.250	18.4%
	#100	0.149	13.8%
	#140	0.106	11.4%
	#200	0.075	9.4%

HYDROMETER ANALYSIS

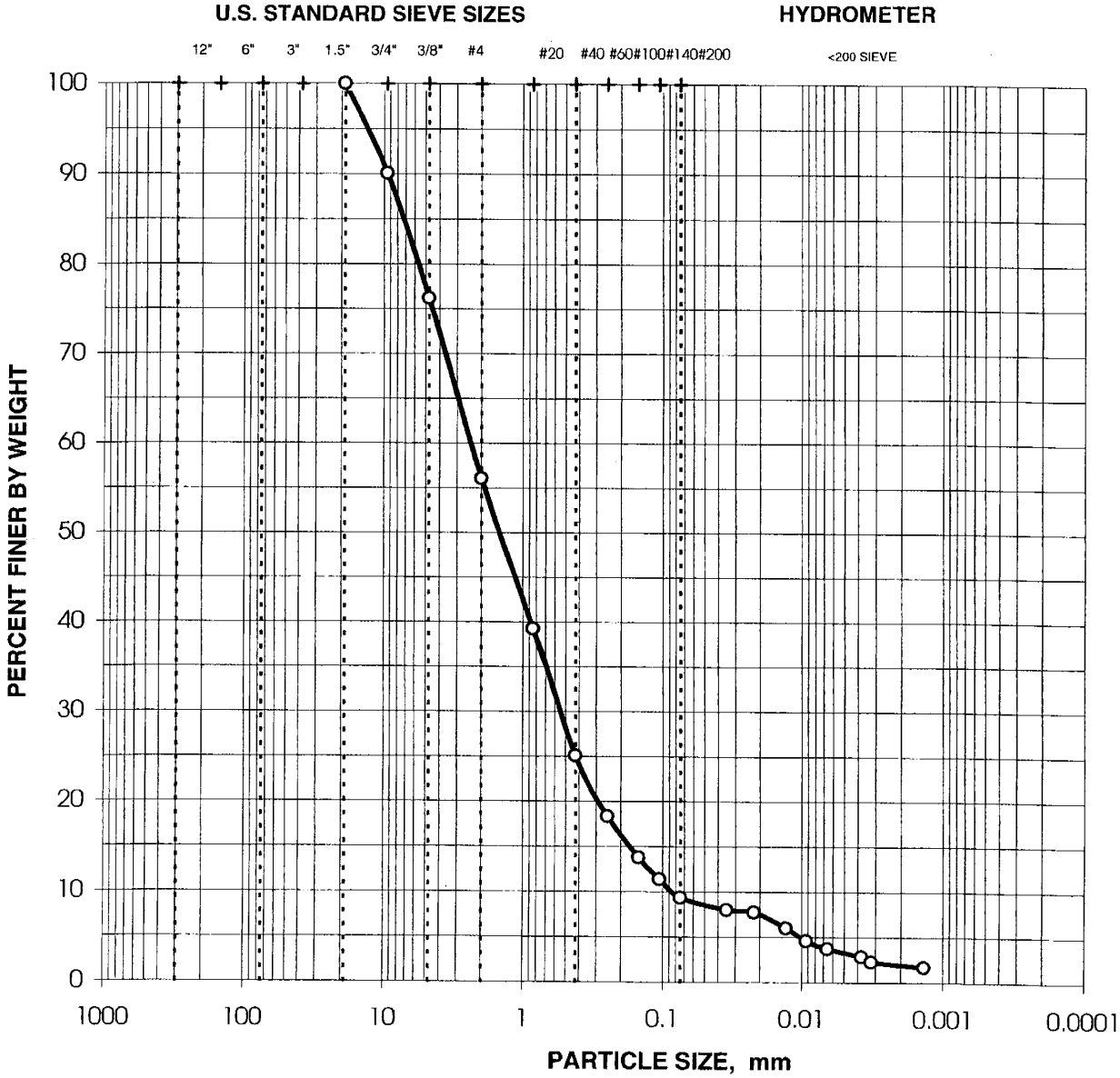
	Diameter mm	Percent Finer
HYDROMETER		
	0.04884	8.9%
	0.03480	8.0%
	0.02209	7.7%
	0.01300	6.0%
	0.00932	4.6%
	0.00662	3.7%
	0.00378	2.9%
	0.00323	2.3%
	0.00137	1.7%

23.8% Gravel 66.8% Sand 9.4% Silt/Clay

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

Fort McClellan



CLIENT SAMPLE NO.: QB1008

IT LAB SAMPLE NO.: ETDC-9765

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

Duane Nielsen
IT Corporation
February 28, 2002
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. QB1009

Project No. 796887.11020300

IT Lab Sample No. ETDC-9887

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 20.2%
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	84.0%
	#4	4.750	55.1%
	#10	2.000	30.2%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	19.3%
	#40	0.425	12.5%
	#60	0.250	9.0%
	#100	0.149	6.2%
	#140	0.106	4.7%
	#200	0.075	3.5%

HYDROMETER ANALYSIS

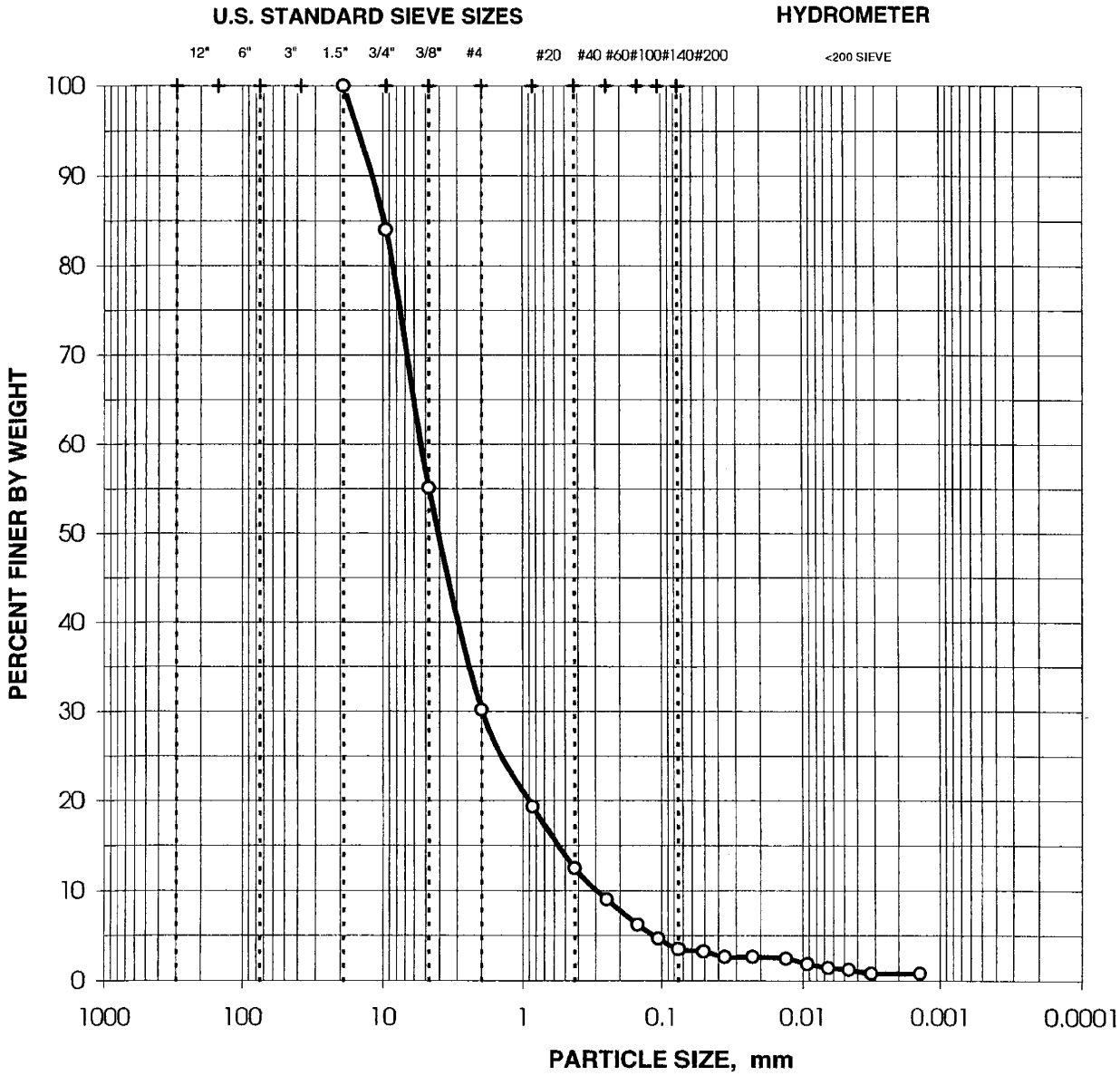
HYDROMETER	Diameter mm	Percent Finer
	0.05080	3.3%
	0.03617	2.6%
	0.02288	2.6%
	0.01325	2.4%
	0.00934	1.8%
	0.00658	1.4%
	0.00466	1.2%
	0.00321	0.8%
	0.00140	0.8%

44.9% Gravel 51.6% Sand 3.5% Silt/Clay

Duane Nielsen
IT Corporation
February 28, 2002
IT Project ID: Fort McClellan
IT Project No.: 796887.11020300

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

Fort McClellan



CLIENT SAMPLE NO.: QB1009

IT LAB SAMPLE NO.: ETDC-9887

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

Duane Nielsen
IT Corporation
February 28, 2002
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. QB1010

Project No. 796887.11020300

IT Lab Sample No. ETDC-9889

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 20.8%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	96.8%
	#4	4.750	76.8%
	#10	2.000	55.1%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	37.2%
	#40	0.425	15.3%
	#60	0.250	6.8%
	#100	0.149	4.2%
	#140	0.106	3.4%
	#200	0.075	2.9%

HYDROMETER ANALYSIS

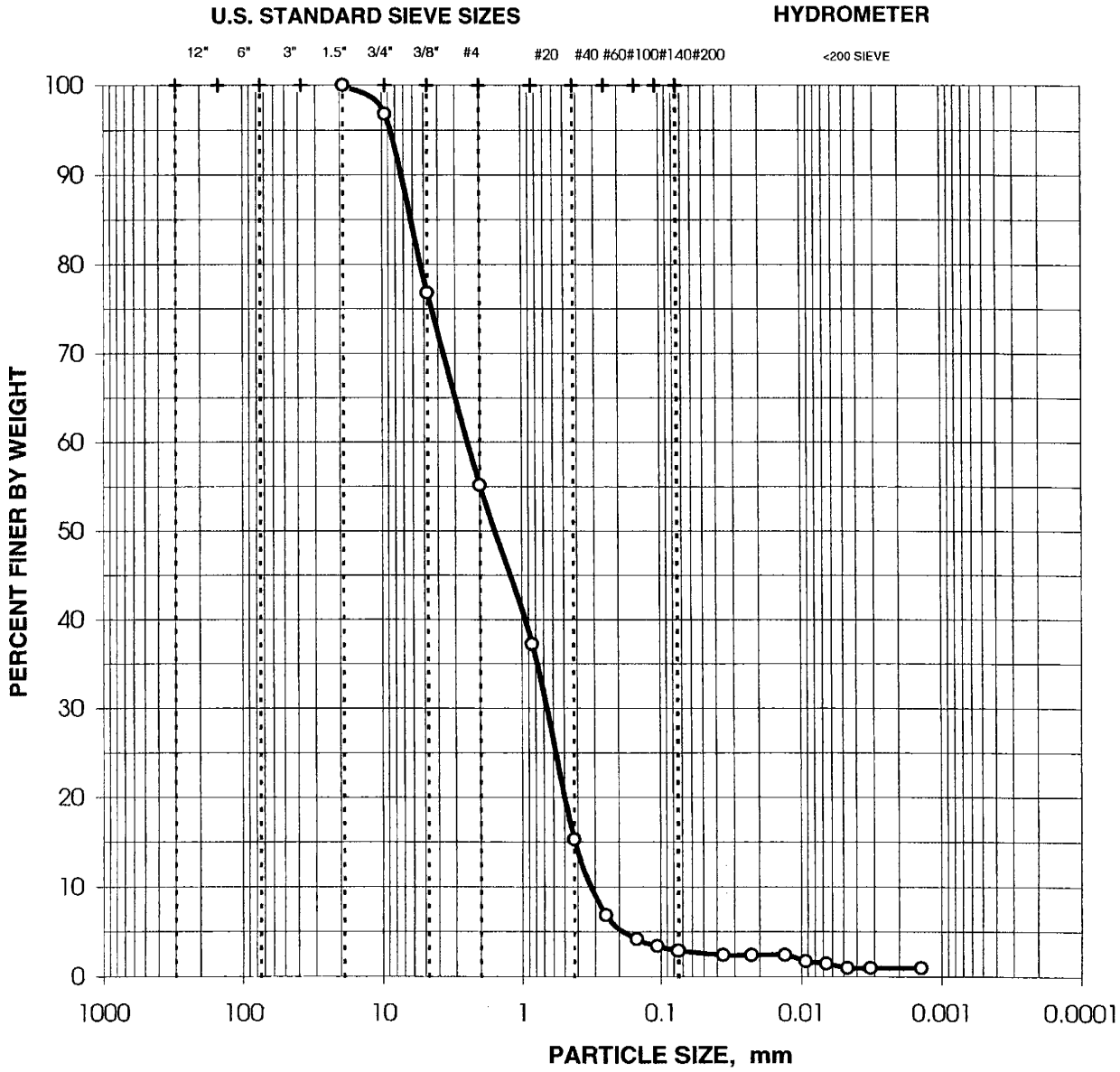
	Diameter mm	Percent Finer
HYDROMETER		
	0.03611	2.4%
	0.02284	2.4%
	0.01319	2.4%
	0.00939	1.7%
	0.00666	1.5%
	0.00469	1.0%
	0.00321	1.0%
	0.00140	1.0%

23.2% Gravel 73.9% Sand 2.9% Silt/Clay

Duane Nielsen
IT Corporation
February 28, 2002
IT Project ID: Fort McClellan
IT Project No.: 796887.11020300

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

Fort McClellan



CLIENT SAMPLE NO.: QB1010

IT LAB SAMPLE NO.: ETDC-9889

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

Duane Nielsen
IT Corporation
February 28, 2002
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. QB1011

Project No. 796887.11020300

IT Lab Sample No. ETDC-9890

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 44.2%
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	98.4%
	#4	4.750	92.3%
	#10	2.000	87.3%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	75.7%
	#40	0.425	40.4%
	#60	0.250	20.0%
	#100	0.149	12.0%
	#140	0.106	9.1%
	#200	0.075	7.1%

HYDROMETER ANALYSIS

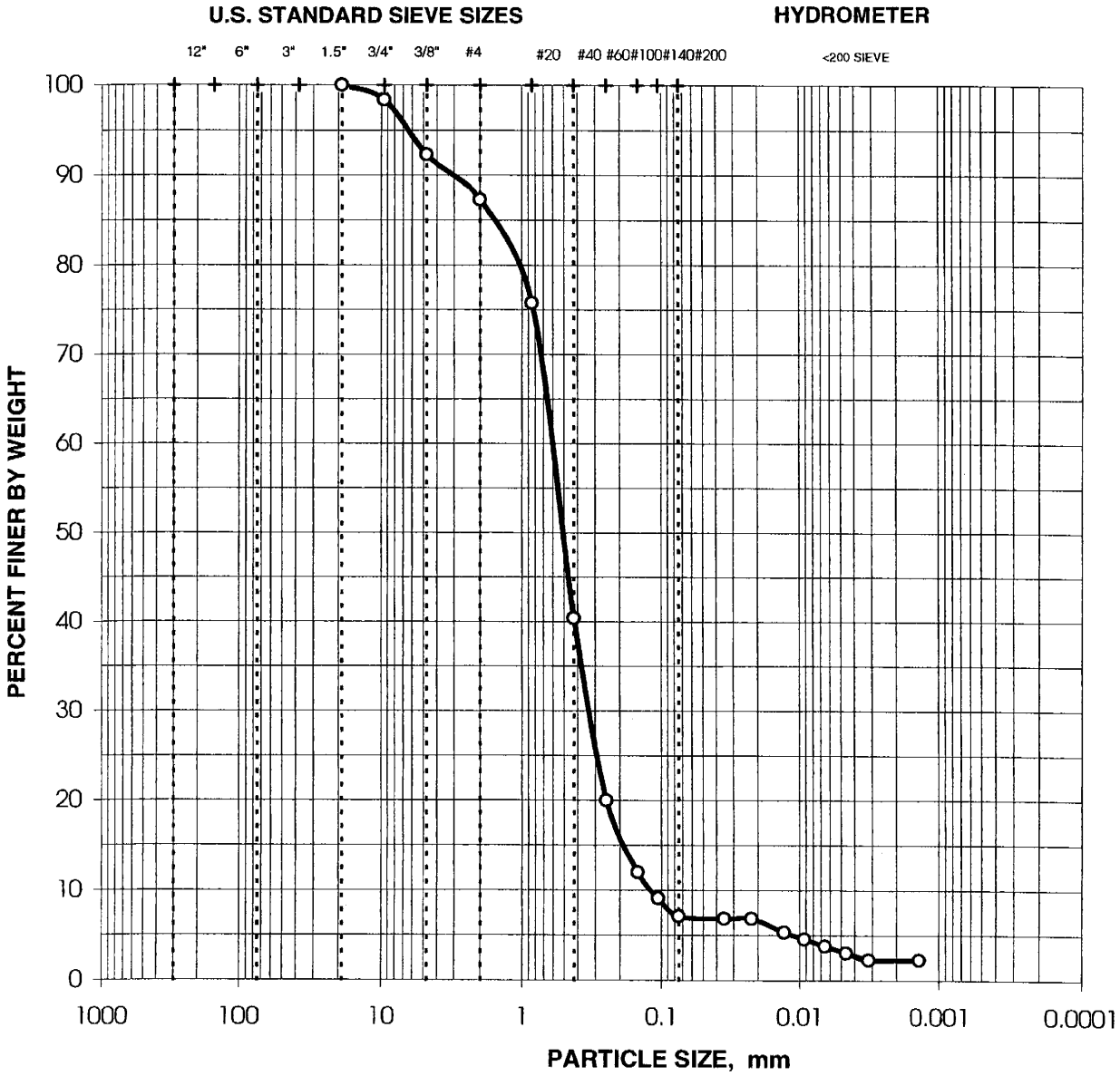
HYDROMETER	Diameter mm	Percent Finer
	0.03524	6.9%
	0.02229	6.9%
	0.01301	5.3%
	0.00926	4.6%
	0.00659	3.8%
	0.00463	3.0%
	0.00319	2.3%
	0.00139	2.3%

7.7% Gravel 85.2% Sand 7.1% Silt/Clay

Duane Nielsen
IT Corporation
February 28, 2002
IT Project ID: Fort McClellan
IT Project No.: 796887.11020300

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

Fort McClellan



CLIENT SAMPLE NO.: QB1011

IT LAB SAMPLE NO.: ETDC-9890

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

Duane Nielsen
IT Corporation
February 28, 2002
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. QB1012

Project No. 796887.11020300

IT Lab Sample No. ETDC-9891

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 24.5%
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	95.0%
	#4	4.750	78.9%
	#10	2.000	66.1%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	48.4%
	#40	0.425	19.5%
	#60	0.250	8.1%
	#100	0.149	4.5%
	#140	0.106	3.3%
	#200	0.075	2.4%

HYDROMETER ANALYSIS

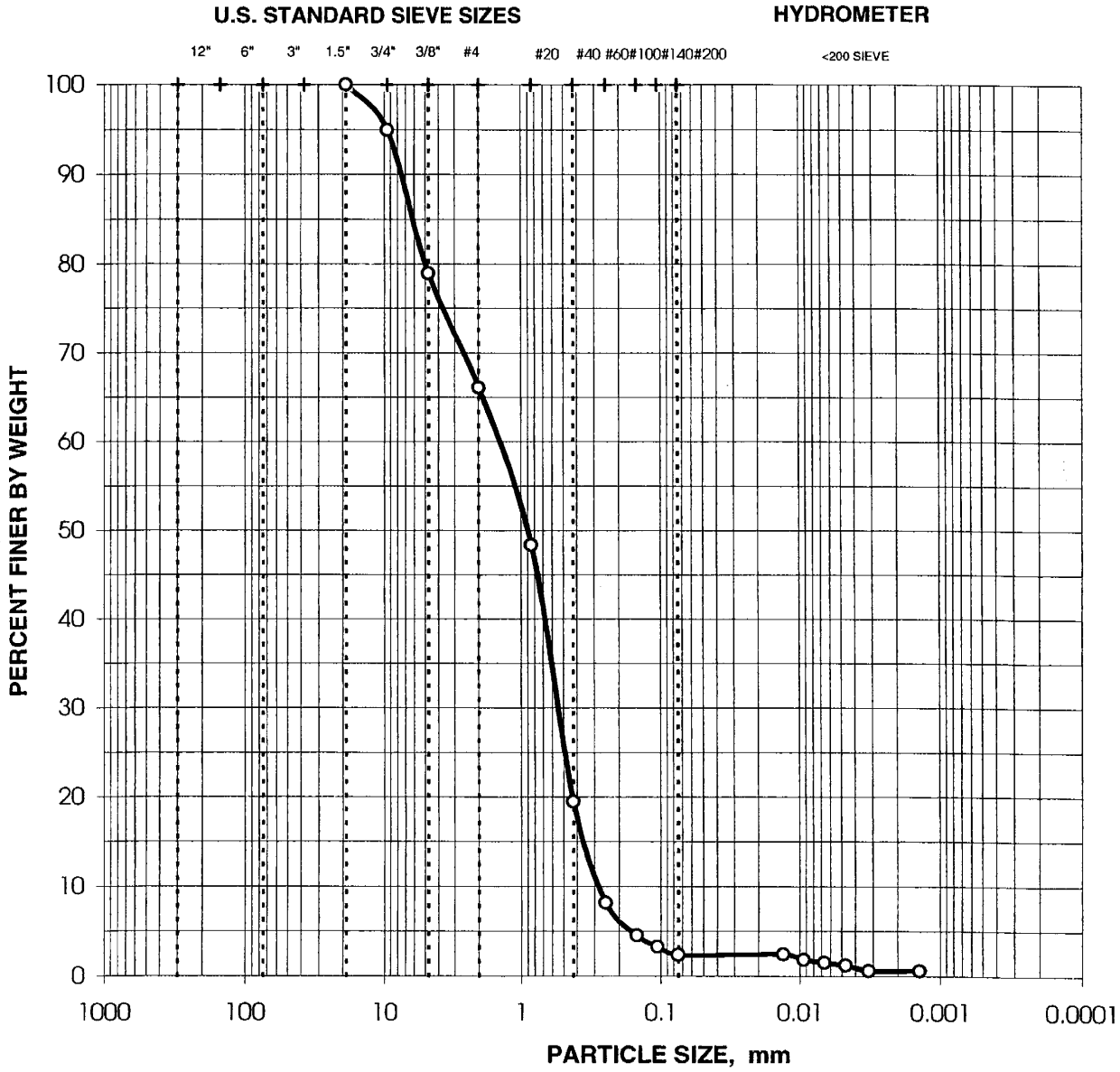
HYDROMETER	Diameter mm	Percent Finer
	0.01323	2.4%
	0.00942	1.8%
	0.00668	1.5%
	0.00469	1.2%
	0.00322	0.6%
	0.00141	0.6%

21.1% Gravel 76.6% Sand 2.4% Silt/Clay

Duane Nielsen
IT Corporation
February 28, 2002
IT Project ID: Fort McClellan
IT Project No.: 796887.11020300

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

Fort McClellan



CLIENT SAMPLE NO.: QB1012

IT LAB SAMPLE NO.: ETDC-9891

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

Duane Nielsen
IT Corporation
February 28, 2002
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. QB1014

Project No. 796887.11020300

IT Lab Sample No. ETDC-9888

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 25.8%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	86.4%
	#4	4.750	69.6%
	#10	2.000	49.0%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	31.4%
	#40	0.425	14.5%
	#60	0.250	7.6%
	#100	0.149	4.8%
	#140	0.106	3.7%
	#200	0.075	3.0%

HYDROMETER ANALYSIS

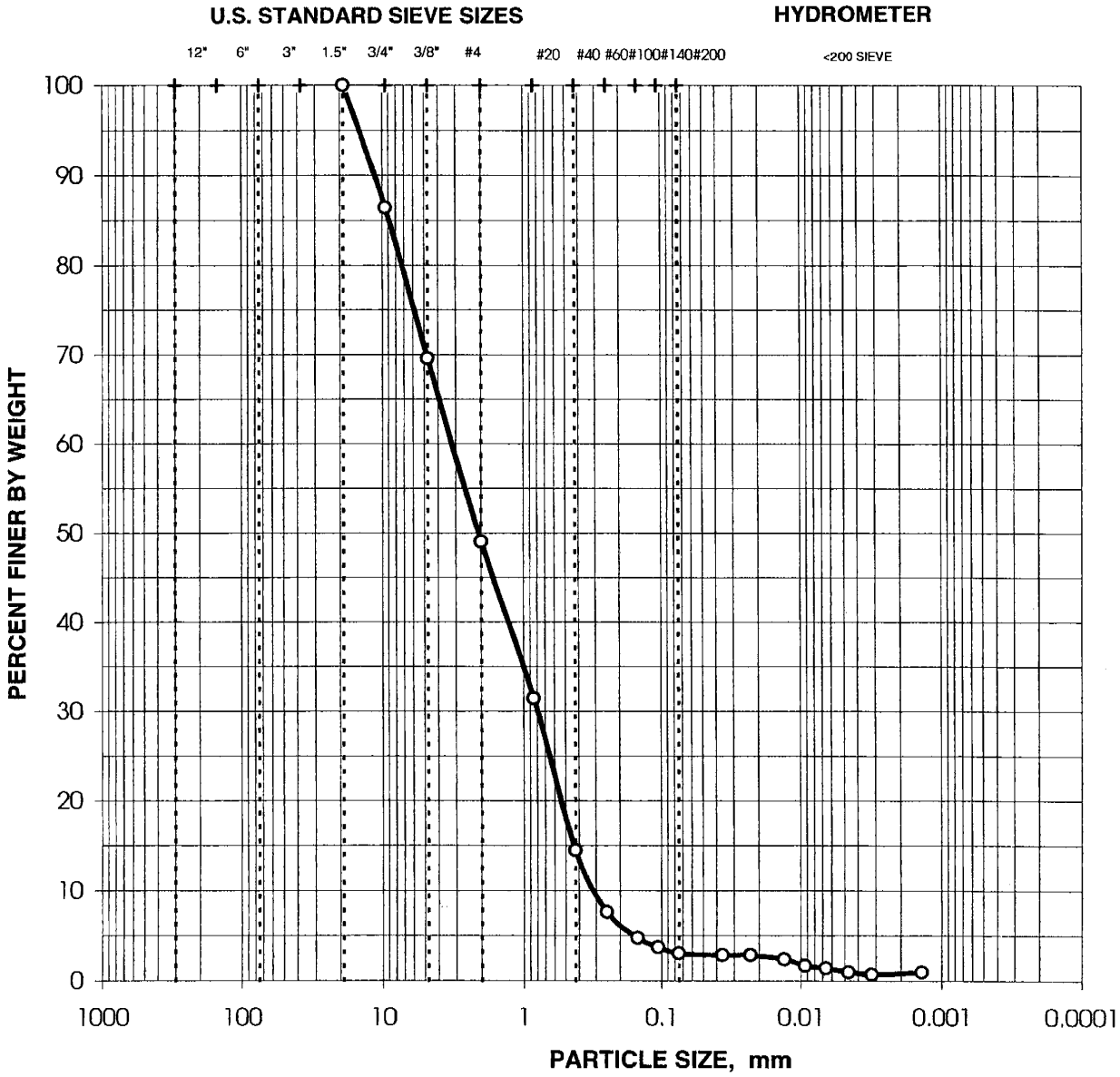
	Diameter mm	Percent Finer
HYDROMETER		
	0.03630	2.8%
	0.02296	2.8%
	0.01319	2.4%
	0.00939	1.7%
	0.00666	1.4%
	0.00469	0.9%
	0.00321	0.7%
	0.00140	0.9%

30.4% Gravel 66.5% Sand 3.0% Silt/Clay

Duane Nielsen
IT Corporation
February 28, 2002
IT Project ID: Fort McClellan
IT Project No.: 796887.11020300

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

Fort McClellan



CLIENT SAMPLE NO.: QB1014

IT LAB SAMPLE NO.: ETDC-9888

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
(865) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name Fort McClellan

Client Sample No. HQQ1001

Project No. 796887.11020300

IT Lab Sample No. ETDC-9809

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 22.3%
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	99.7%
	#4	4.750	98.6%
	#10	2.000	87.0%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	72.2%
	#40	0.425	46.3%
	#60	0.250	30.0%
	#100	0.149	21.3%
	#140	0.106	16.9%
	#200	0.075	13.5%

HYDROMETER ANALYSIS

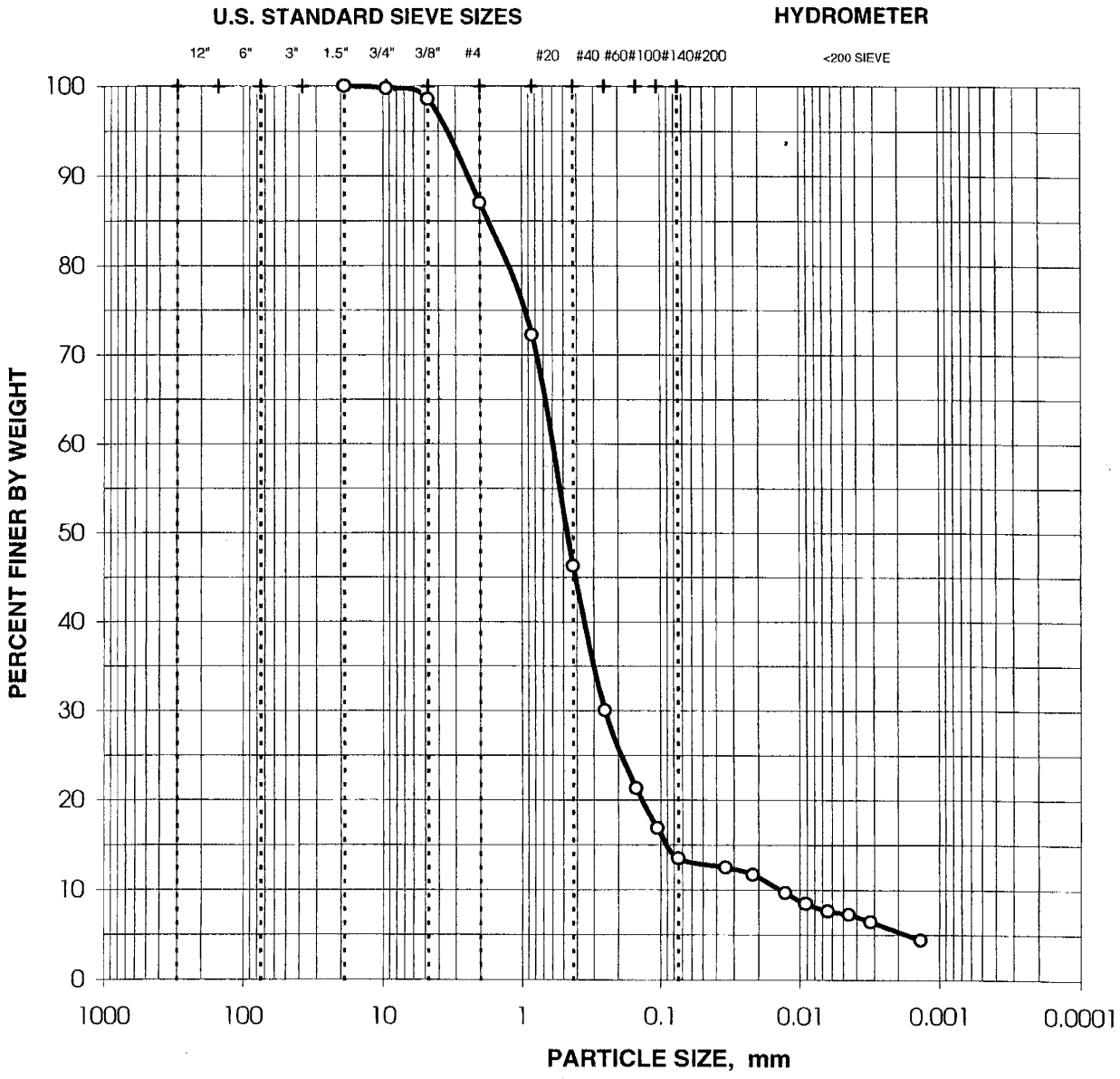
HYDROMETER	Diameter mm	Percent Finer
	0.04845	13.3%
	0.03453	12.5%
	0.02197	11.7%
	0.01285	9.7%
	0.00919	8.5%
	0.00645	7.7%
	0.00457	7.3%
	0.00319	6.5%
	0.00137	4.4%

1.4% Gravel 85.1% Sand 13.5% Silt/Clay

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

Fort McClellan



CLIENT SAMPLE NO.: HQQ1001

IT LAB SAMPLE NO.: ETDC-9809

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
(865) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name Fort McClellan

Client Sample No. HSS1001

Project No. 796887.11020300

IT Lab Sample No. ETDC-9810

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 28.8%
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	94.4%
	#4	4.750	82.3%
	#10	2.000	67.1%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	48.6%
	#40	0.425	28.0%
	#60	0.250	13.6%
	#100	0.149	6.5%
	#140	0.106	4.7%
	#200	0.075	3.9%

HYDROMETER ANALYSIS

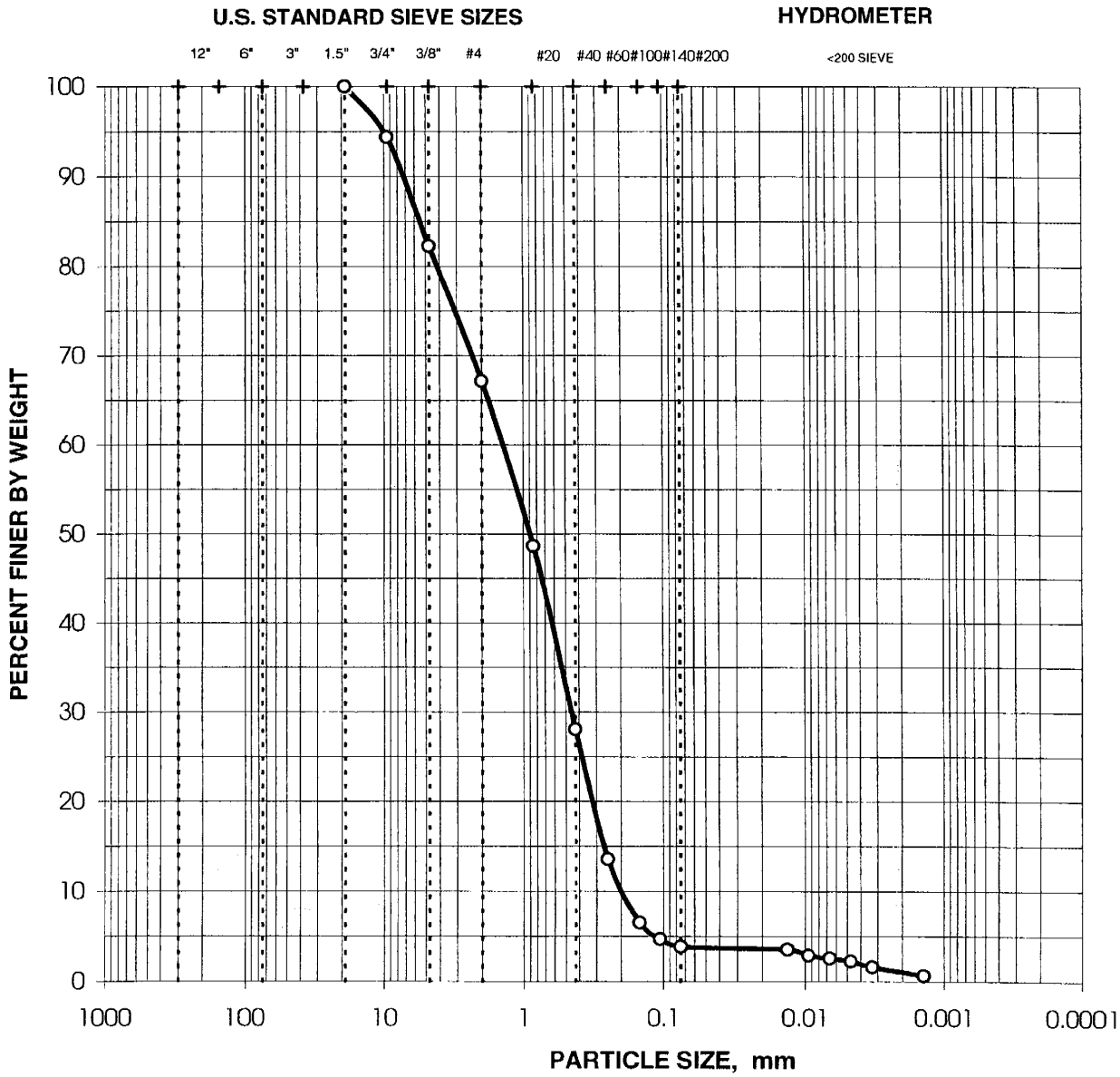
HYDROMETER	Diameter mm	Percent Finer
	0.02308	3.8%
	0.01337	3.5%
	0.00952	2.9%
	0.00667	2.6%
	0.00473	2.2%
	0.00329	1.6%
	0.00140	0.6%

17.7% Gravel 78.4% Sand 3.9% Silt/Clay

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

Fort McClellan



CLIENT SAMPLE NO.: HSS1001

IT LAB SAMPLE NO.: ETDC-9810

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
(865) 482-6497

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name Fort McClellan

Client Sample No. HSS1002

Project No. 796887.11020300

IT Lab Sample No. ETDC-9783

Specific Gravity : 2.65
assumed for calculations

Moisture Content = 25.6%
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	96.8%
	0.375"	9.500	87.1%
	#4	4.750	75.5%
	#10	2.000	63.3%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	53.1%
	#40	0.425	38.1%
	#60	0.250	24.4%
	#100	0.149	14.0%
	#140	0.106	9.1%
	#200	0.075	5.9%

HYDROMETER ANALYSIS

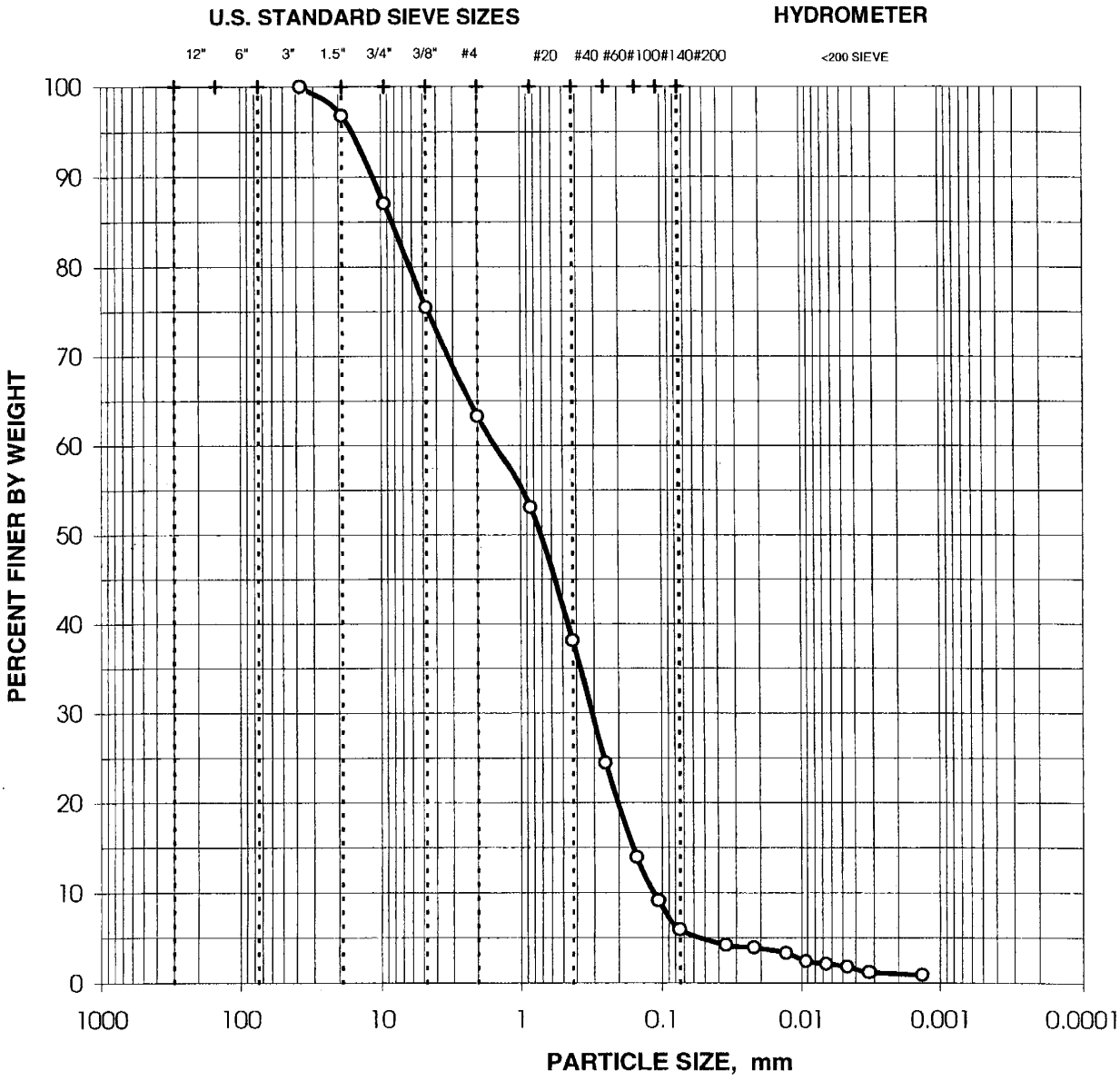
HYDROMETER	Diameter mm	Percent Finer
	0.04984	4.8%
	0.03549	4.2%
	0.02237	3.9%
	0.01305	3.3%
	0.00932	2.4%
	0.00660	2.1%
	0.00463	1.8%
	0.00323	1.2%
	0.00135	0.9%

24.5% Gravel 69.5% Sand 5.9% Silt/Clay

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

Fort McClellan



CLIENT SAMPLE NO.: HSS1002

IT LAB SAMPLE NO.: ETDC-9783

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

Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name: Fort McClellan
Project No.: 800486.03020300

Field Sample No.: HP1001
IT Lab Sample No.: ETDC-9040

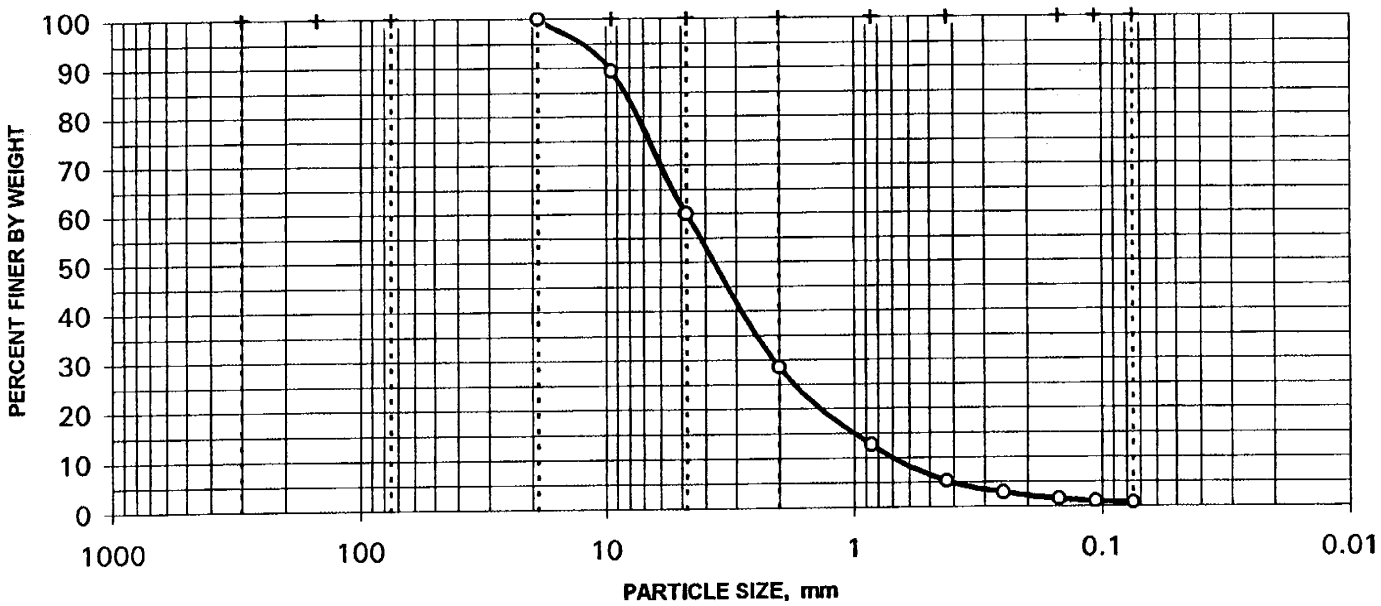
Moisture Content = 22.4%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	89.4%
	#4	4.750	59.9%
	#10	2.000	28.4%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	12.5%
	#40	0.425	5.2%
	#60	0.250	2.8%
	#100	0.149	1.5%
	#140	0.106	1.1%
	#200	0.075	0.8%

DISTRIBUTION CURVE



Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name: Fort McClellan
Project No.: 800486.03020300

Field Sample No.: HP1002
IT Lab Sample No.: ETDC-9041

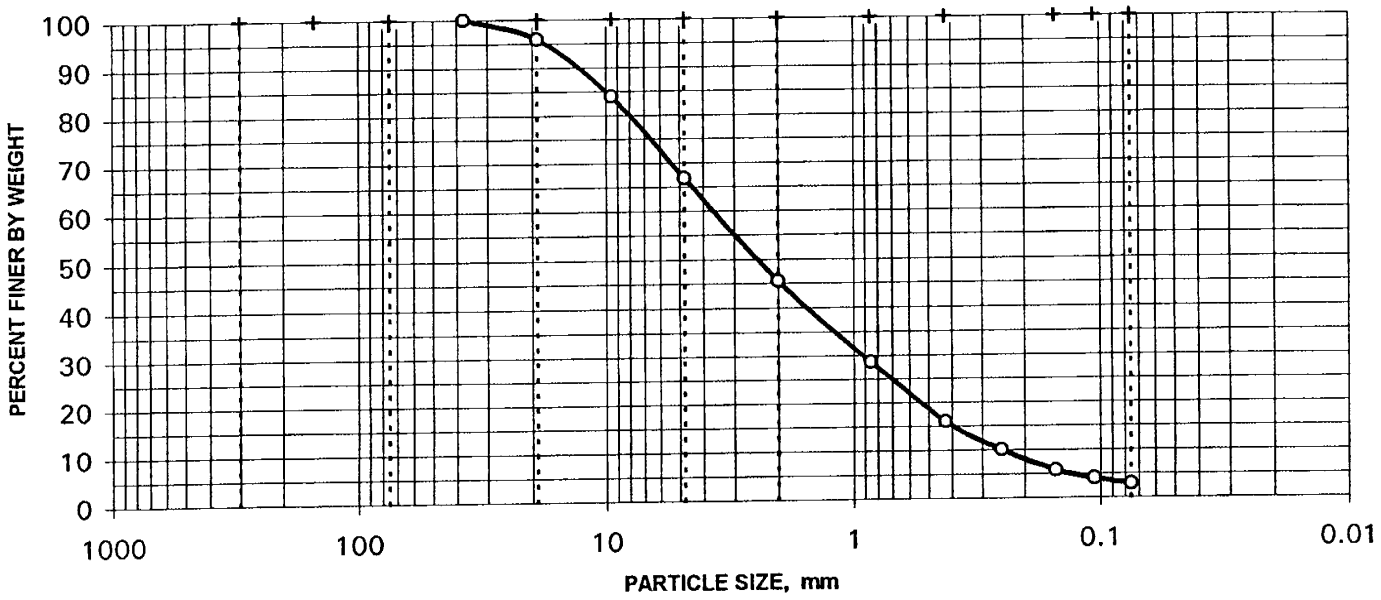
Moisture Content = 18.6%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	95.9%
	0.375"	9.500	84.0%
	#4	4.750	66.8%
	#10	2.000	45.6%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	28.7%
	#40	0.425	16.1%
	#60	0.250	10.1%
	#100	0.149	5.8%
	#140	0.106	4.1%
	#200	0.075	2.9%

DISTRIBUTION CURVE



Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan
Client Sample No.: HP1003
Project No.: 800486.03022106
IT Lab Sample No.: ETDC-9076

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 18.5%
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	100.0%
#4	4.750	98.6%
#10	2.000	94.0%

FINE

Sieve No.	Diameter mm	Percent Finer
#20	0.850	90.3%
#40	0.425	82.0%
#60	0.250	72.2%
#100	0.149	47.9%
#140	0.106	33.2%
#200	0.075	26.9%

HYDROMETER ANALYSIS

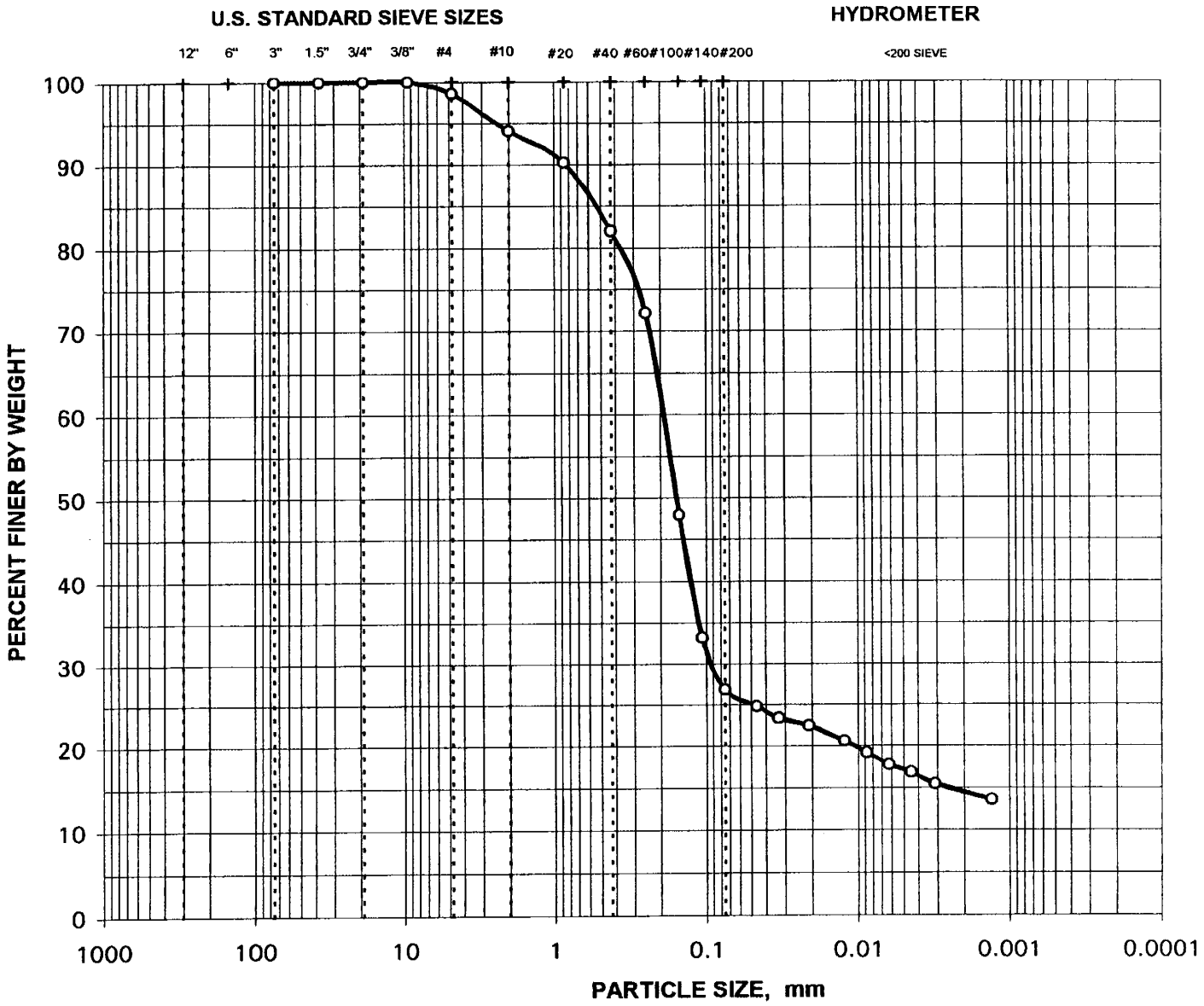
HYDROMETER

Diameter mm	Percent Finer
0.04584	24.8%
0.03270	23.4%
0.02087	22.5%
0.01221	20.6%
0.00872	19.2%
0.00623	17.8%
0.00444	16.8%
0.00310	15.4%
0.00131	13.6%

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

Fort McClellan



CLIENT SAMPLE NO.: HP1003

IT LAB SAMPLE NO.: ETDC-9076

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

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name	Fort McClellan	Client Sample No.	HP1004
Project No.	800486.03022106	IT Lab Sample No.	ETDC-9077

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 21.2%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	90.3%
	#4	4.750	82.1%
	#10	2.000	75.0%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	68.3%
	#40	0.425	55.3%
	#60	0.250	43.0%
	#100	0.149	31.0%
	#140	0.106	24.1%
	#200	0.075	18.8%

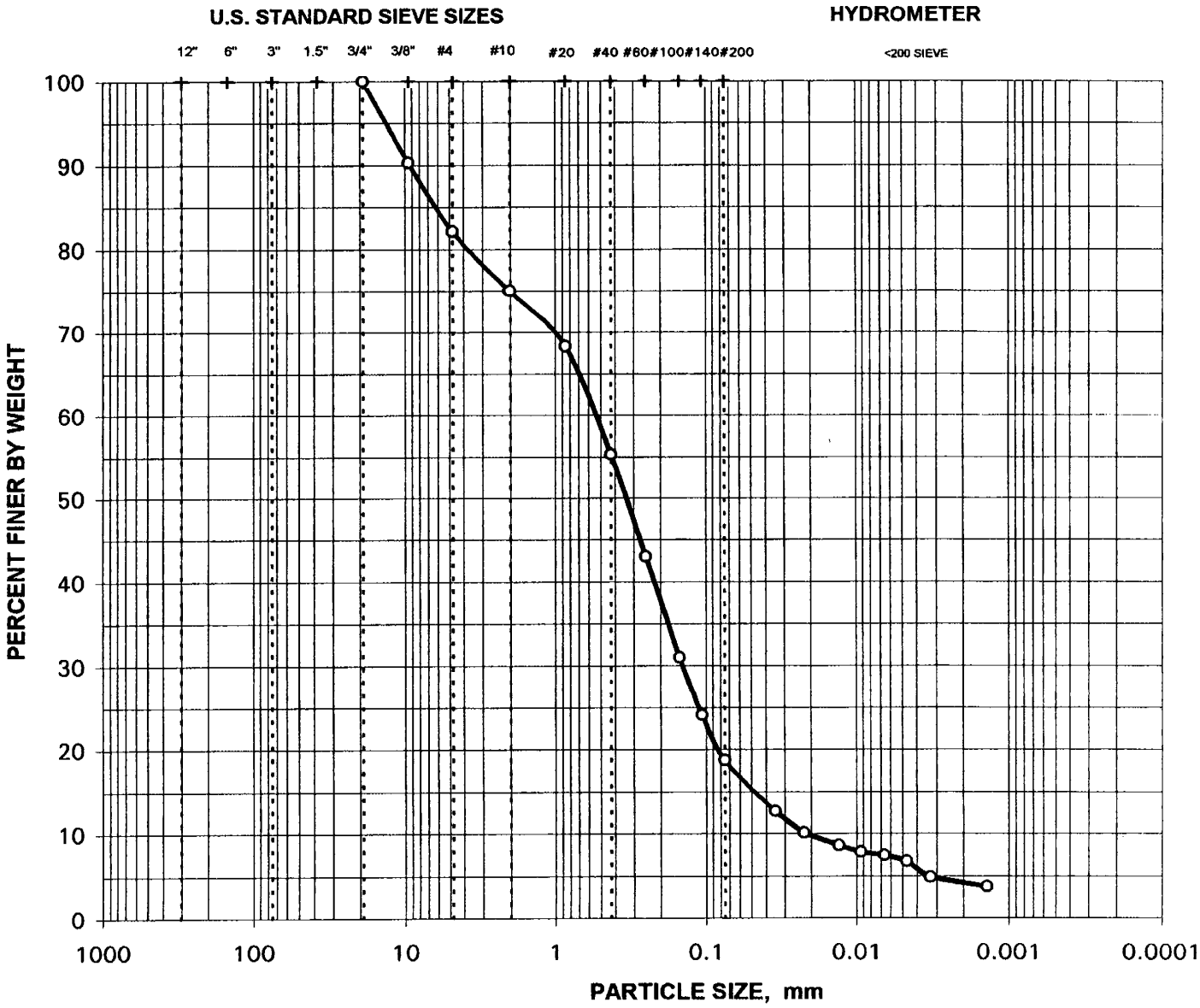
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.03455	12.7%
	0.02237	10.1%
	0.01306	8.6%
	0.00931	7.8%
	0.00660	7.5%
	0.00469	6.7%
	0.00328	4.8%
	0.00139	3.7%

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

Fort McClellan



CLIENT SAMPLE NO.: HP1004

IT LAB SAMPLE NO.: ETDC-9077

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

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name	Fort McClellan	Client Sample No.	HP1005
Project No.	800486.03022106	IT Lab Sample No.	ETDC-9078

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 26.4%
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	86.6%
	0.375"	9.500	72.1%
	#4	4.750	65.4%
	#10	2.000	57.9%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	54.5%
	#40	0.425	47.1%
	#60	0.250	41.9%
	#100	0.149	37.4%
	#140	0.106	26.8%
	#200	0.075	20.8%

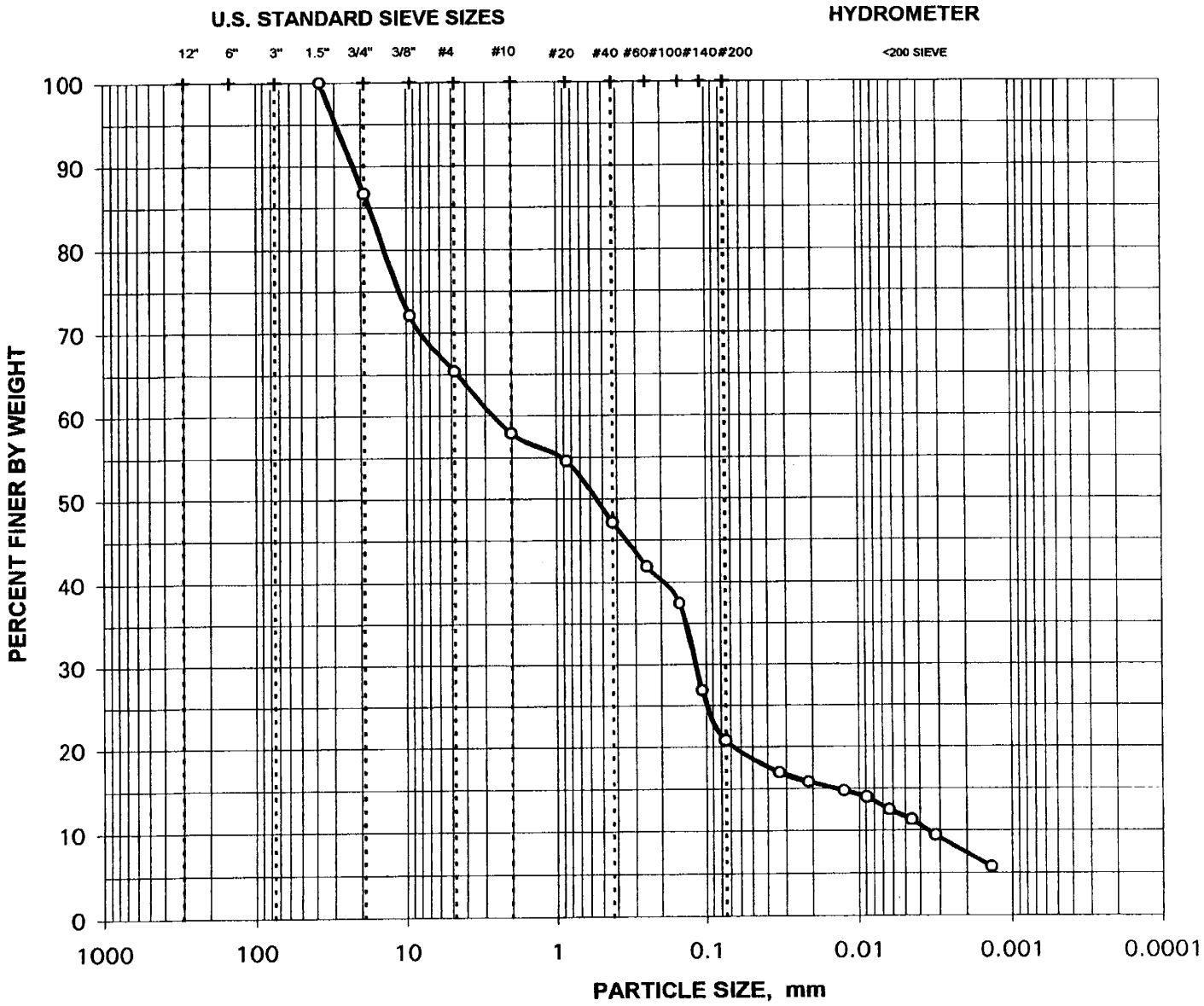
HYDROMETER ANALYSIS

HYDROMETER	Diameter mm	Percent Finer
	0.03328	17.0%
	0.02132	15.8%
	0.01241	14.7%
	0.00885	13.9%
	0.00633	12.4%
	0.00453	11.3%
	0.00318	9.4%
	0.00137	5.7%

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

Fort McClellan



CLIENT SAMPLE NO.: HP1005

IT LAB SAMPLE NO.: ETDC-9078

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

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan

Client Sample No.: HP1006

Project No.: 800486.03022106

IT Lab Sample No.: ETDC-9079

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 22.3%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	88.7%
	#4	4.750	67.0%
	#10	2.000	48.4%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	32.2%
	#40	0.425	12.6%
	#60	0.250	5.9%
	#100	0.149	3.4%
	#140	0.106	2.8%
	#200	0.075	2.3%

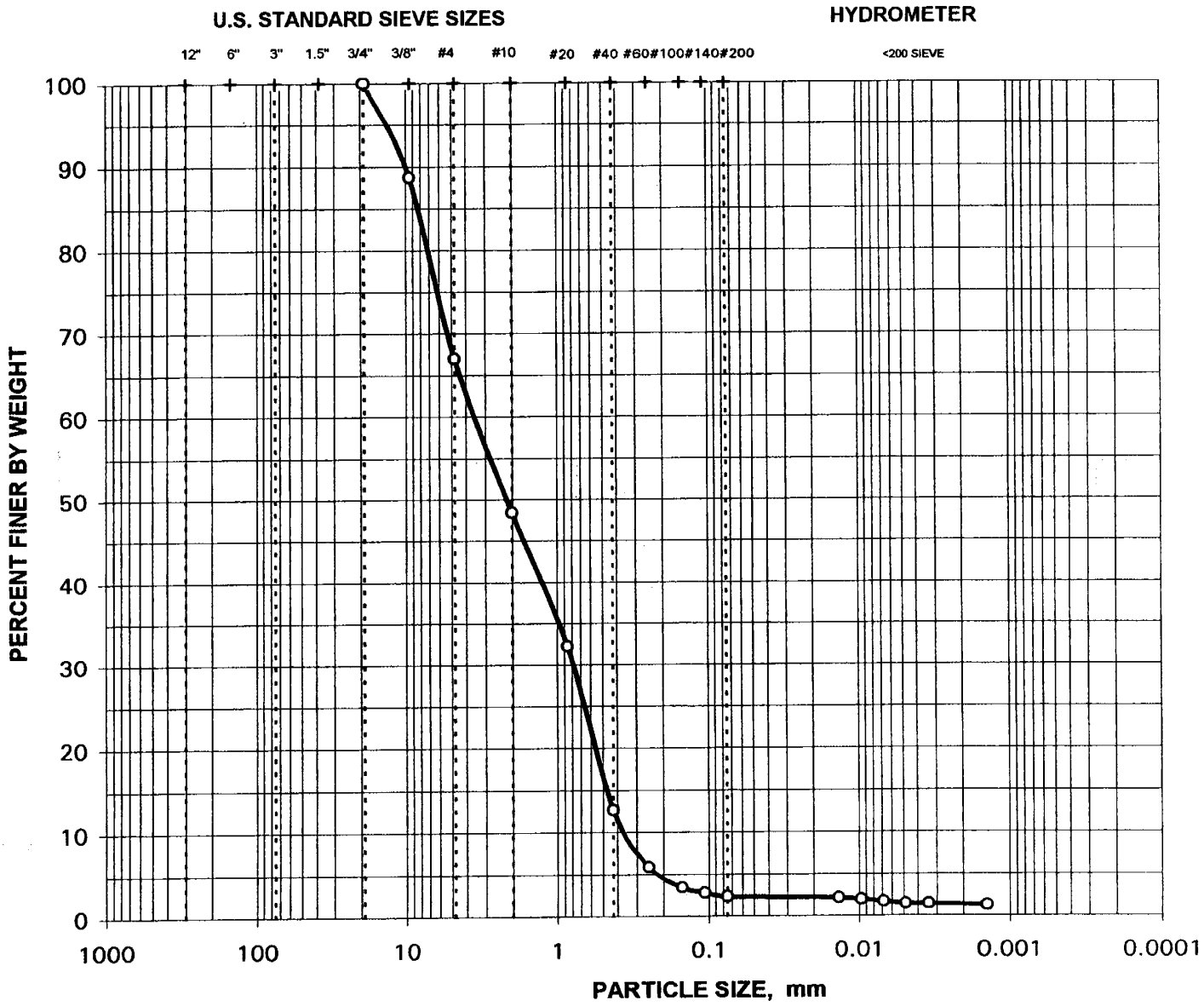
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.01363	2.2%
	0.00967	1.9%
	0.00685	1.7%
	0.00485	1.4%
	0.00336	1.4%
	0.00141	1.2%

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

Fort McClellan



CLIENT SAMPLE NO.: HP1006

IT LAB SAMPLE NO.: ETDC-9079

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

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan

Client Sample No.: HP1007

Project No.: 800486.03022106

IT Lab Sample No.: ETDC-9080

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 6.0%
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	99.0%
	#4	4.750	97.6%
	#10	2.000	94.0%

FINE	Sieve No.	Diameter mm	Percent Finer
	#20	0.850	92.6%
	#40	0.425	85.8%
	#60	0.250	70.7%
	#100	0.149	50.0%
	#140	0.106	39.0%
	#200	0.075	30.7%

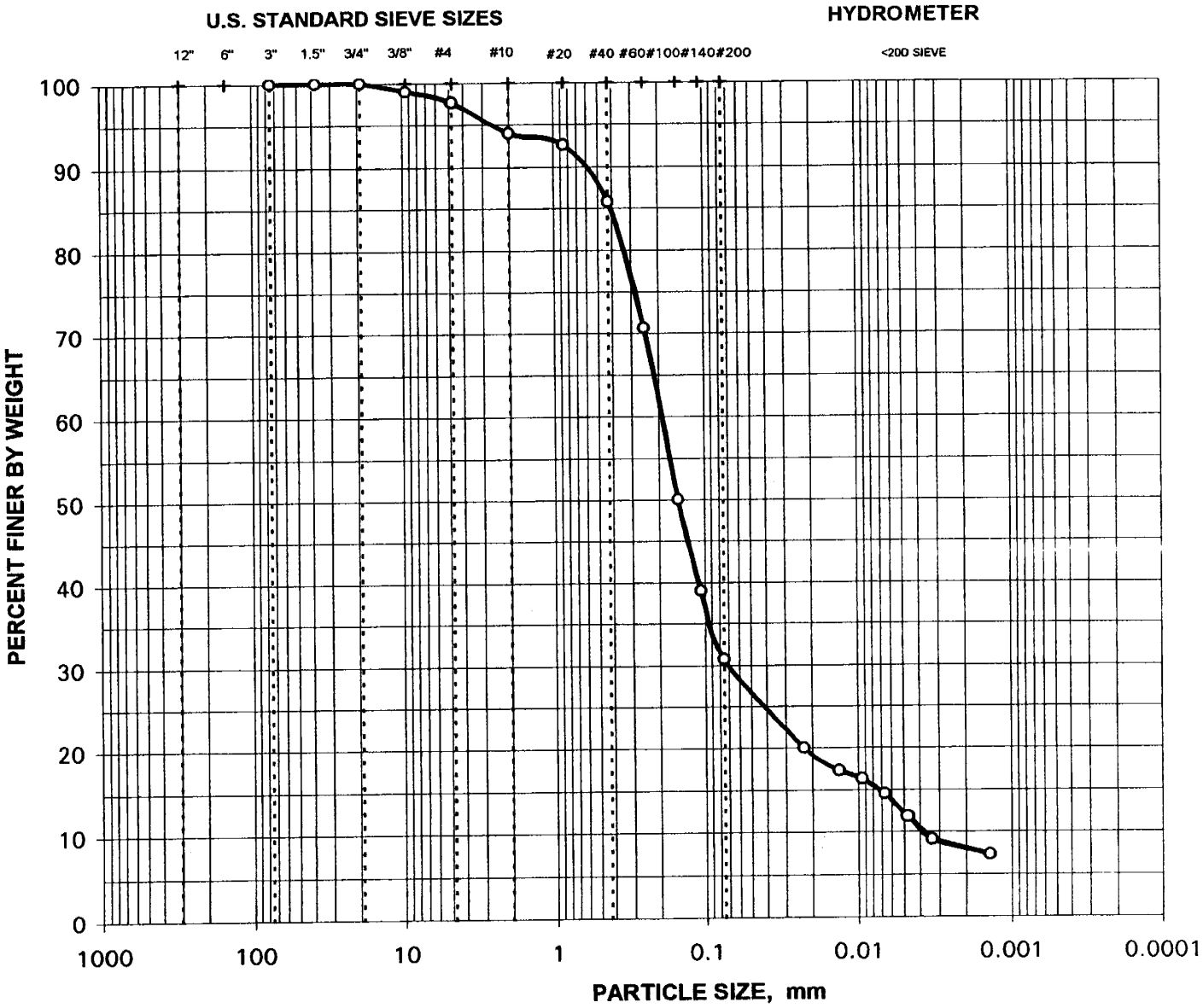
HYDROMETER ANALYSIS

HYDROMETER	Diameter mm	Percent Finer
	0.02271	20.0%
	0.01323	17.3%
	0.00937	16.4%
	0.00668	14.6%
	0.00474	11.8%
	0.00333	9.1%
	0.00140	7.3%

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

Fort McClellan



CLIENT SAMPLE NO.: HP1007

IT LAB SAMPLE NO.: ETDC-9080

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

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name	Fort McClellan	Client Sample No.	HP1008
Project No.	800486.03022106	IT Lab Sample No.	ETDC-9081

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 27.5%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	97.6%
	#4	4.750	89.2%
	#10	2.000	79.0%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	67.8%
	#40	0.425	50.8%
	#60	0.250	33.3%
	#100	0.149	17.3%
	#140	0.106	10.1%
	#200	0.075	5.0%

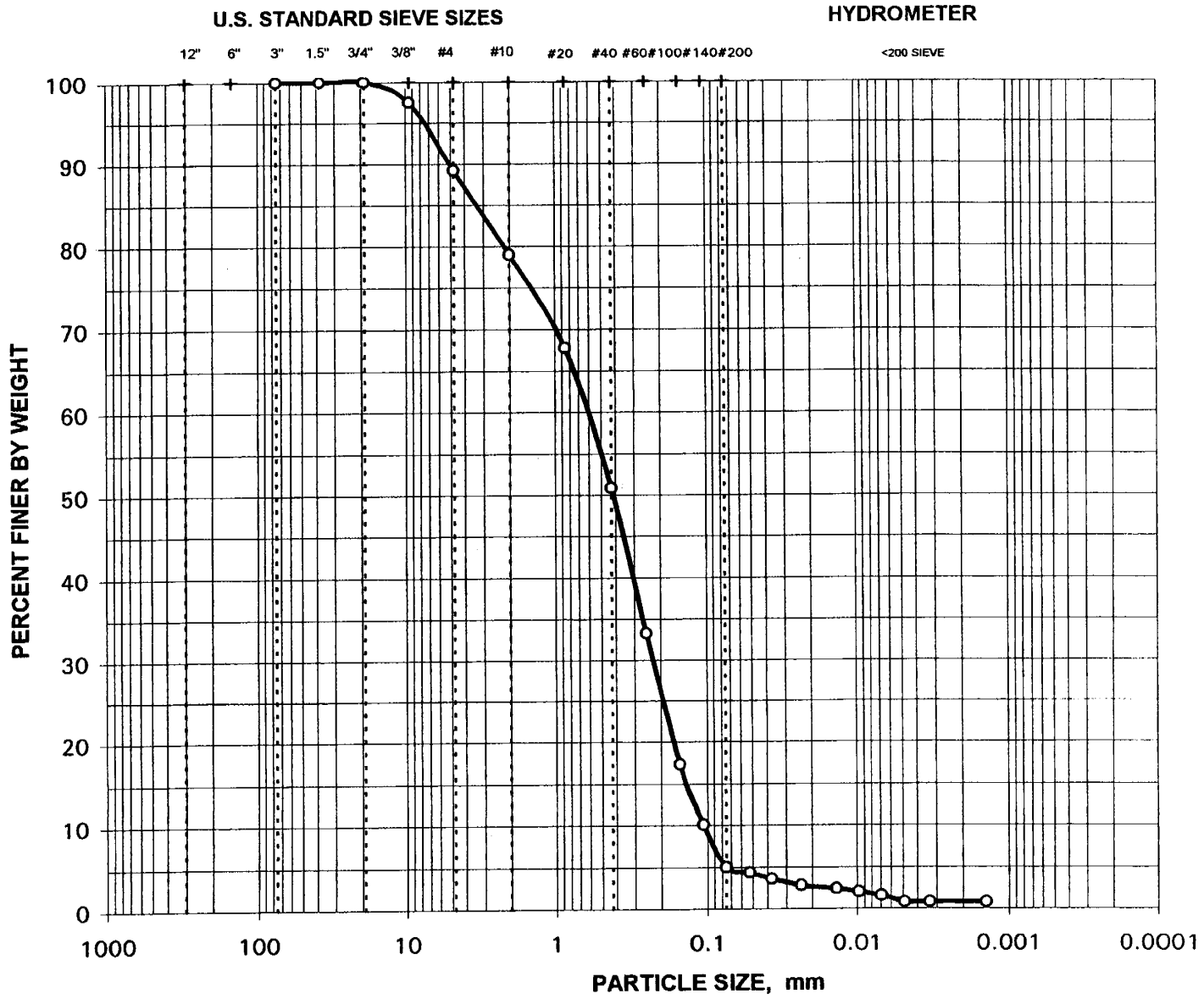
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.05244	4.3%
	0.03734	3.6%
	0.02374	2.8%
	0.01373	2.4%
	0.00974	2.0%
	0.00691	1.6%
	0.00486	0.8%
	0.00332	0.8%
	0.00140	0.8%

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

Fort McClellan



CLIENT SAMPLE NO.: HP1008

IT LAB SAMPLE NO.: ETDC-9081

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

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan

Client Sample No.: HP1009

Project No.: 800486.03022106

IT Lab Sample No.: ETDC-9082

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 32.0%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	96.4%
	#4	4.750	90.5%
	#10	2.000	85.3%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	80.1%
	#40	0.425	60.2%
	#60	0.250	37.2%
	#100	0.149	16.5%
	#140	0.106	8.1%
	#200	0.075	3.2%

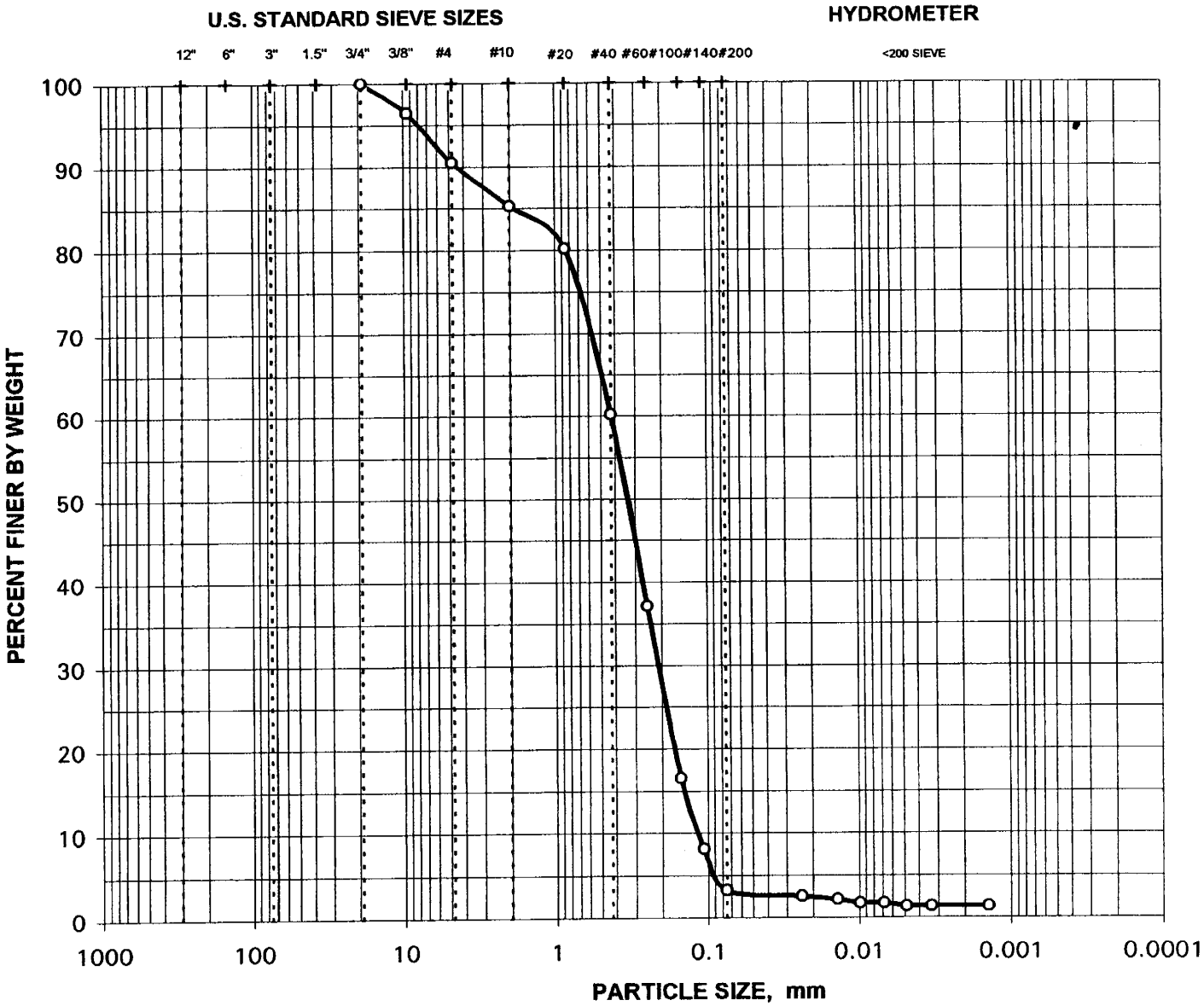
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.02378	2.5%
	0.01377	2.1%
	0.00977	1.7%
	0.00683	1.7%
	0.00484	1.3%
	0.00331	1.3%
	0.00140	1.3%

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

Fort McClellan



CLIENT SAMPLE NO.: HP1009

IT LAB SAMPLE NO.: ETDC-9082

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

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan
Client Sample No.: HP1010
Project No.: 800486.03022106
IT Lab Sample No.: ETDC-9083

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 2.8%
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	91.0%
0.375"	9.500	80.0%
#4	4.750	66.5%
#10	2.000	49.5%

FINE

Sieve No.	Diameter mm	Percent Finer
#20	0.850	38.8%
#40	0.425	28.0%
#60	0.250	23.4%
#100	0.149	19.9%
#140	0.106	17.7%
#200	0.075	15.4%

HYDROMETER ANALYSIS

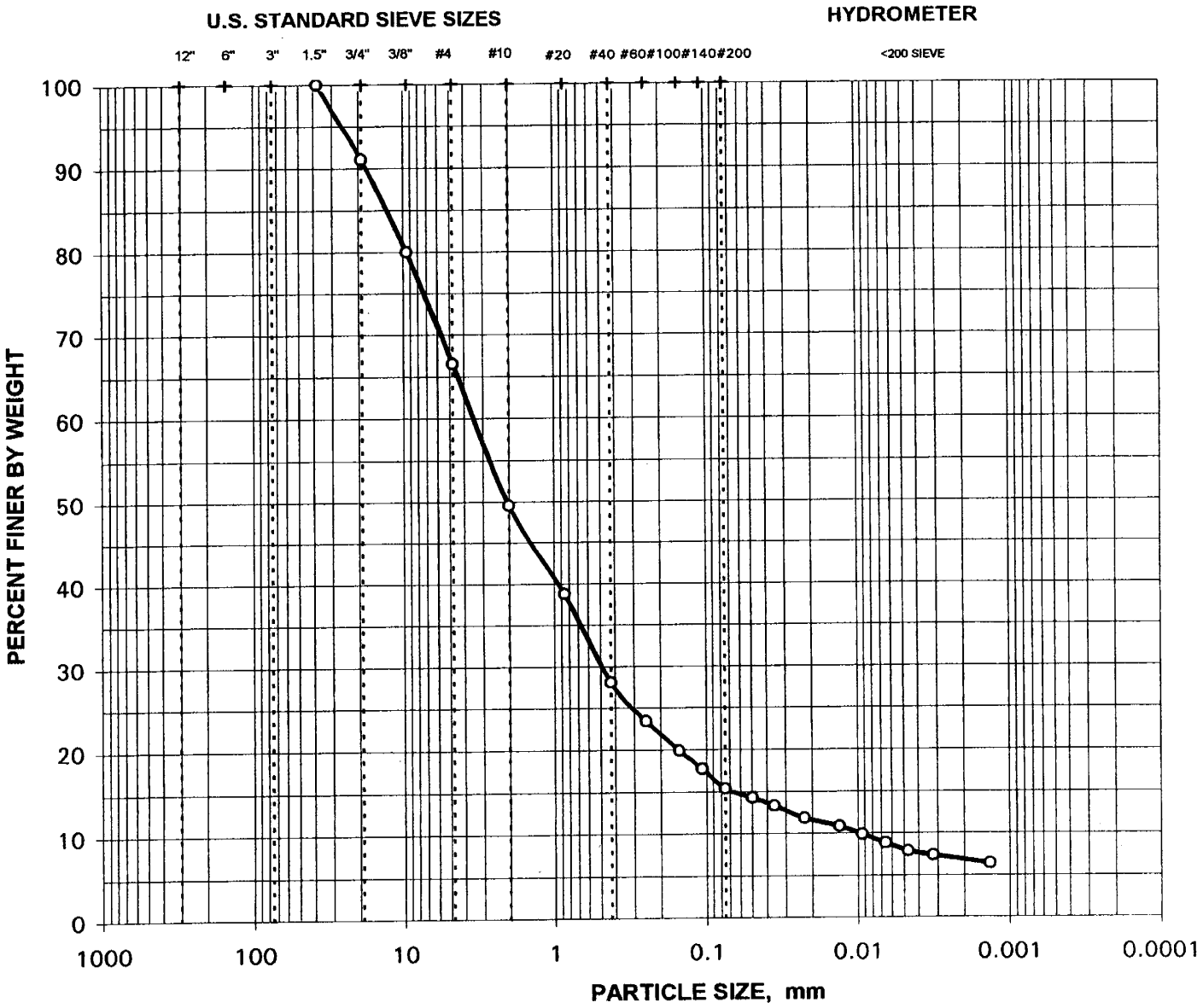
HYDROMETER

Diameter mm	Percent Finer
0.04973	14.3%
0.03537	13.3%
0.02254	11.8%
0.01311	10.8%
0.00934	9.9%
0.00655	8.9%
0.00466	7.9%
0.00320	7.4%
0.00135	6.4%

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

Fort McClellan



CLIENT SAMPLE NO.: HP1010 **IT LAB SAMPLE NO.:** ETDC-9083

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

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan
Client Sample No.: HP1011
Project No.: 800486.03022106
IT Lab Sample No.: ETDC-9084

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 216.1%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	99.8%
	#4	4.750	99.8%
	#10	2.000	99.6%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	99.2%
	#40	0.425	97.1%
	#60	0.250	92.0%
	#100	0.149	78.8%
	#140	0.106	65.5%
	#200	0.075	51.3%

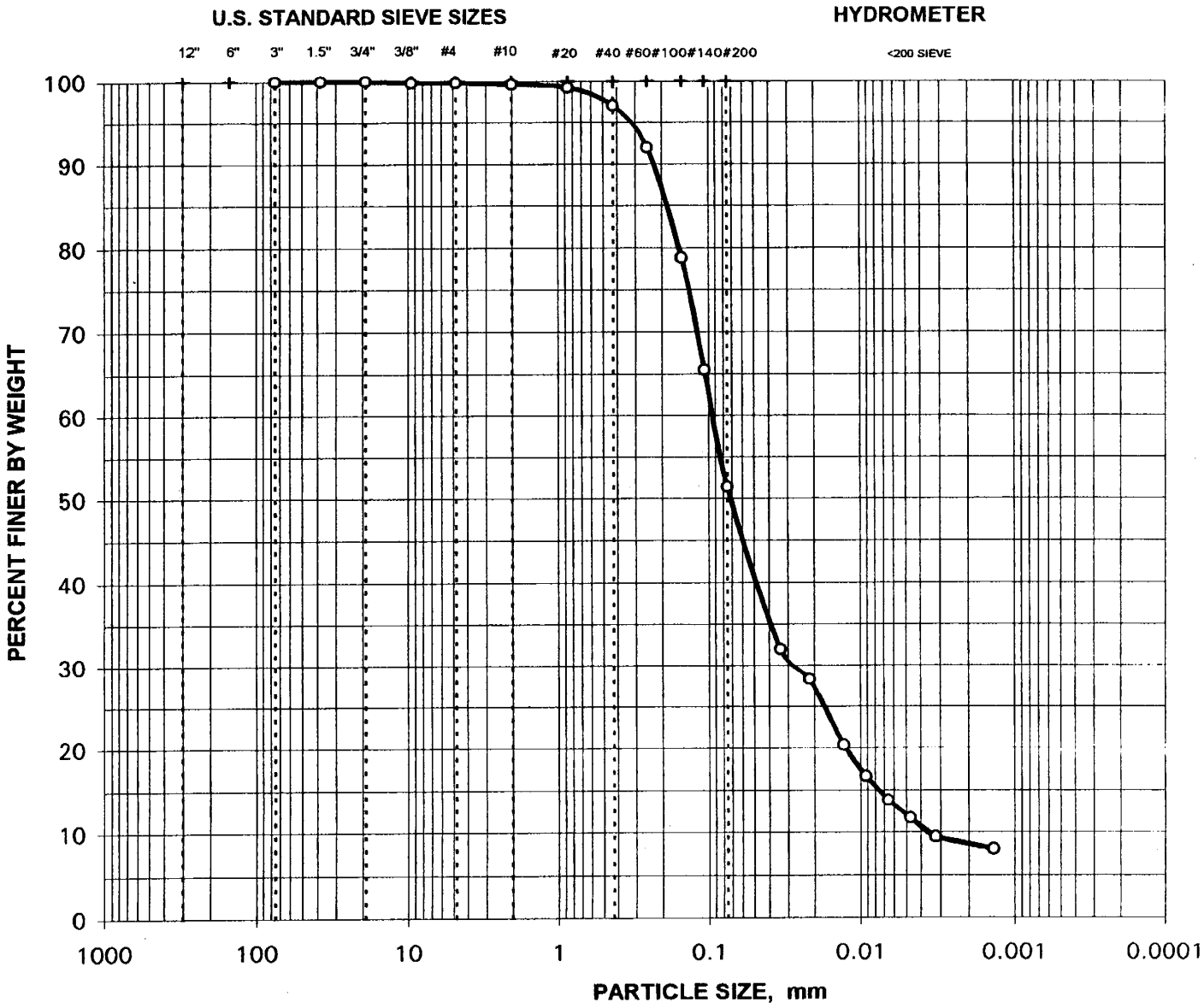
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.03343	31.9%
	0.02150	28.3%
	0.01287	20.3%
	0.00912	16.7%
	0.00653	13.8%
	0.00466	11.6%
	0.00320	9.4%
	0.00137	8.0%

Duane Nielsen
IT Corporation
January 10, 2001
IT Project ID: Fort McClellan
IT Project No.: 774645.01020300

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

Fort McClellan



CLIENT SAMPLE NO.: HP1011

IT LAB SAMPLE NO.: ETDC-9084

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

Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan
Client Sample No.: HQ1001
Project No.: 800486.03020300
IT Lab Sample No.: ETDC-9035

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 28.9%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	100.0%
	#4	4.750	96.9%
	#10	2.000	78.4%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	59.3%
	#40	0.425	38.7%
	#60	0.250	28.6%
	#100	0.149	22.8%
	#140	0.106	20.2%
	#200	0.075	17.7%

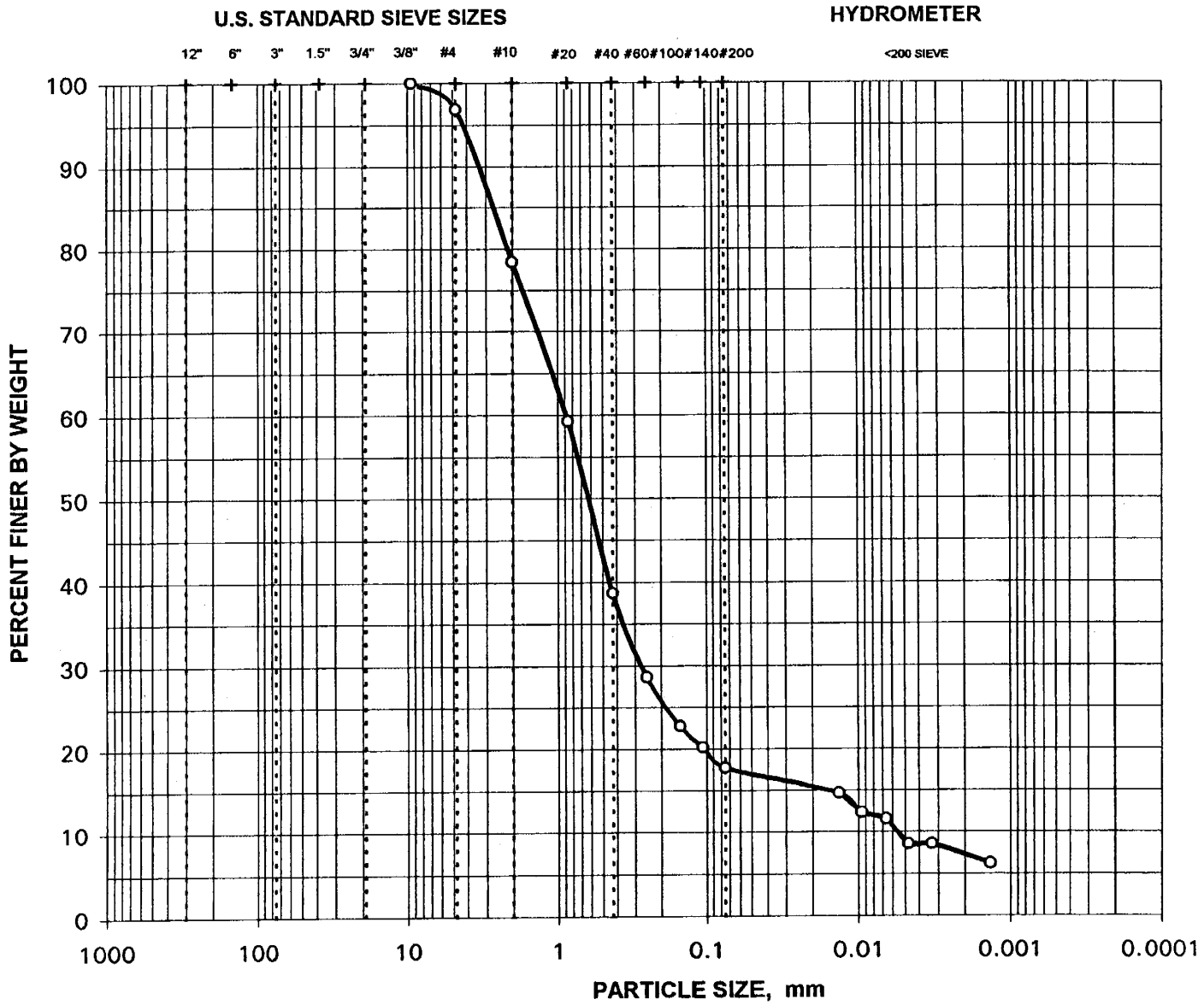
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.01323	14.7%
	0.00944	12.4%
	0.00662	11.6%
	0.00473	8.5%
	0.00328	8.5%
	0.00135	6.2%

Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

Fort McClellan



CLIENT SAMPLE NO.: HQ1001

IT LAB SAMPLE NO.: ETDC-9035

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

Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan
Client Sample No.: HQ1002
Project No.: 800486.03020300
IT Lab Sample No.: ETDC-9036

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 6.7%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	97.7%
	#4	4.750	94.3%
	#10	2.000	90.9%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	86.0%
	#40	0.425	69.6%
	#60	0.250	55.7%
	#100	0.149	45.4%
	#140	0.106	39.9%
	#200	0.075	35.2%

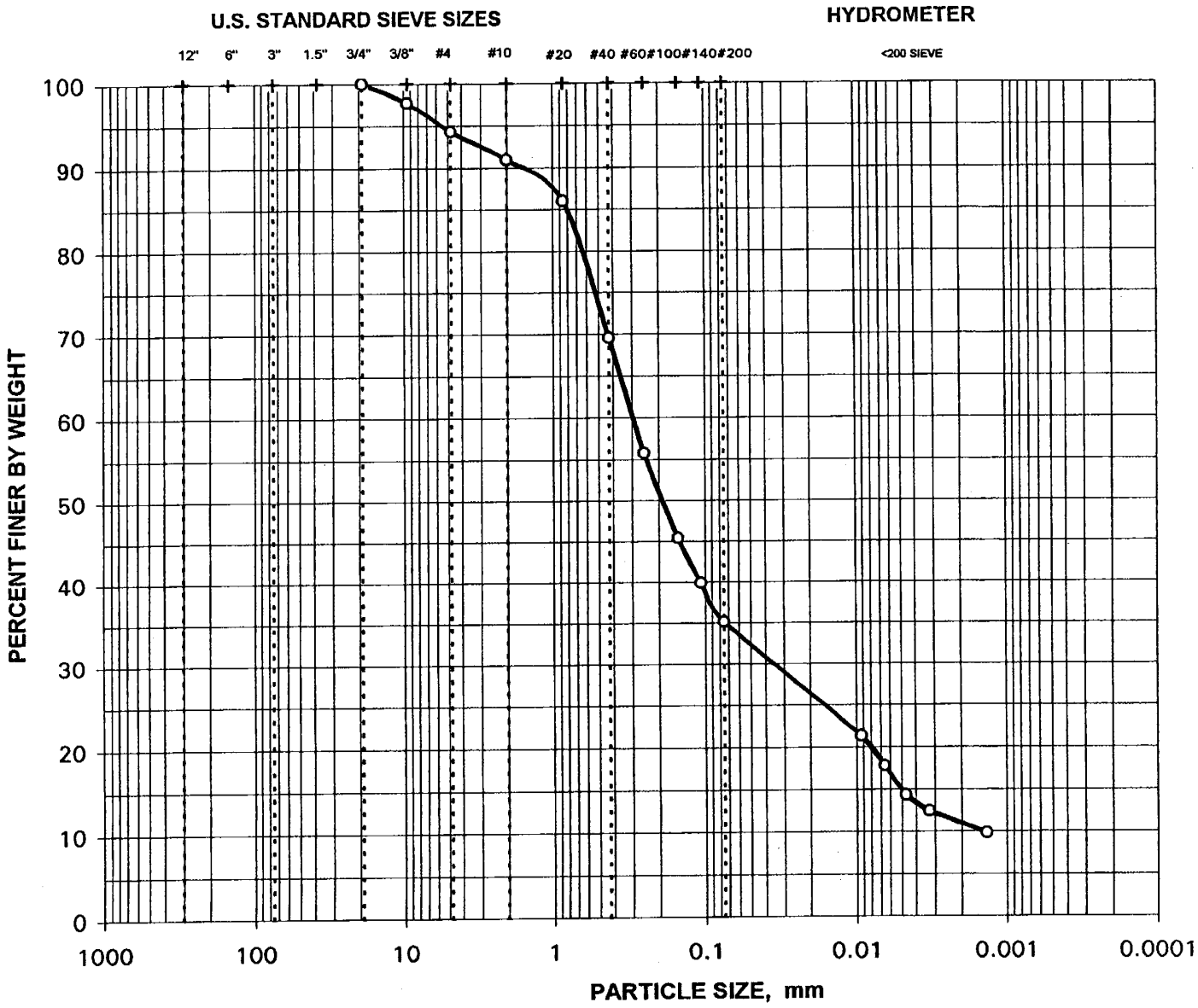
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.00920	21.4%
	0.00652	17.8%
	0.00466	14.3%
	0.00325	12.5%
	0.00135	9.8%

Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

Fort McClellan



CLIENT SAMPLE NO.: HQ1002 **IT LAB SAMPLE NO.:** ETDC-9036

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

Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan

Client Sample No.: HQ1003

Project No.: 800486.03020300

IT Lab Sample No.: ETDC-9037

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 59.6%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	99.5%
	#4	4.750	95.7%
	#10	2.000	88.1%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	81.7%
	#40	0.425	66.0%
	#60	0.250	46.7%
	#100	0.149	26.7%
	#140	0.106	17.4%
	#200	0.075	12.0%

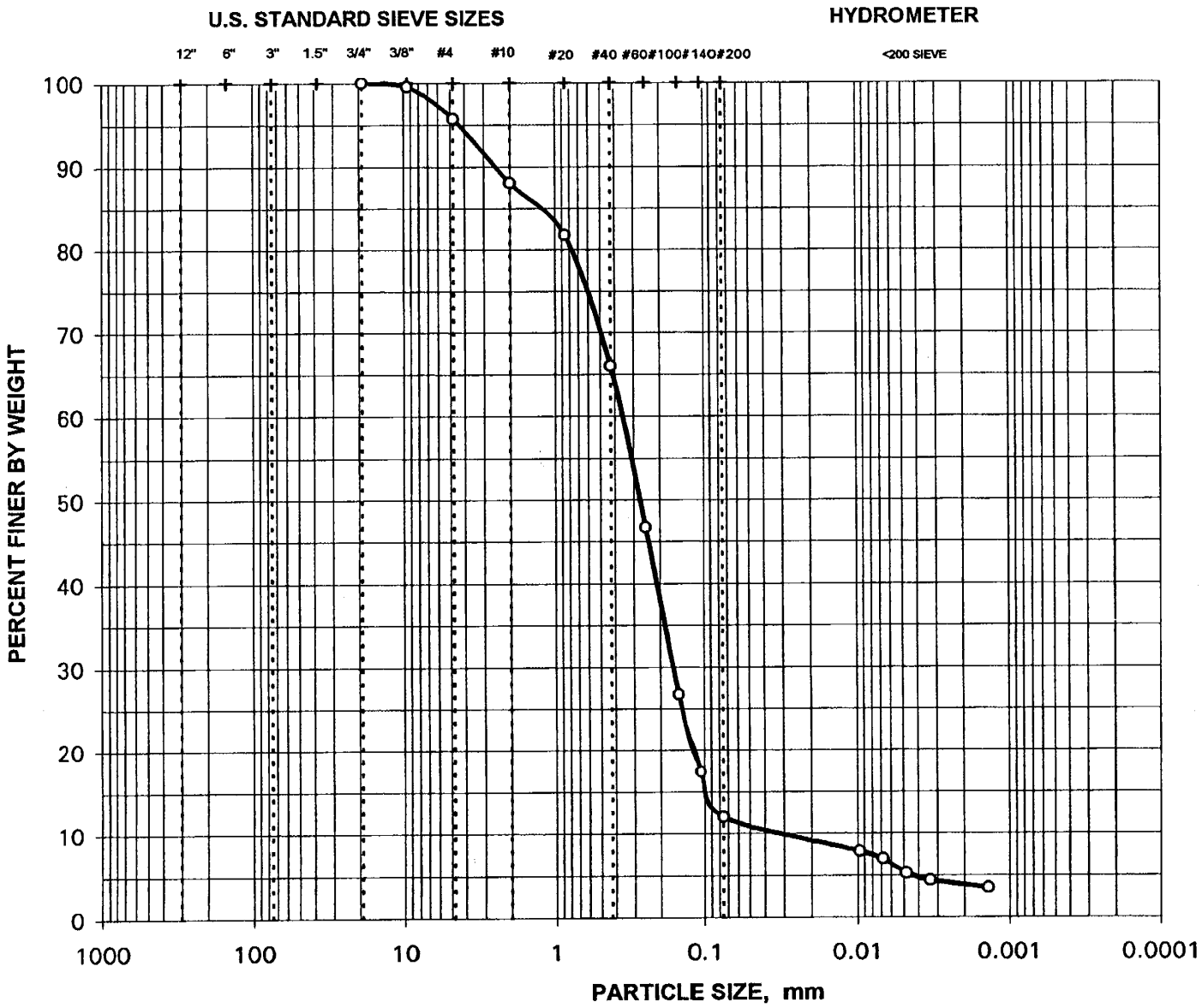
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.03721	8.8%
	0.02353	8.8%
	0.01363	7.9%
	0.00964	7.9%
	0.00676	7.0%
	0.00479	5.3%
	0.00333	4.4%
	0.00139	3.5%

Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

Fort McClellan



CLIENT SAMPLE NO.: HQ1003

IT LAB SAMPLE NO.: ETDC-9037

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

Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name: Fort McClellan
Project No.: 800486.03020300

Field Sample No.: HQ1004
IT Lab Sample No.: ETDC-9038

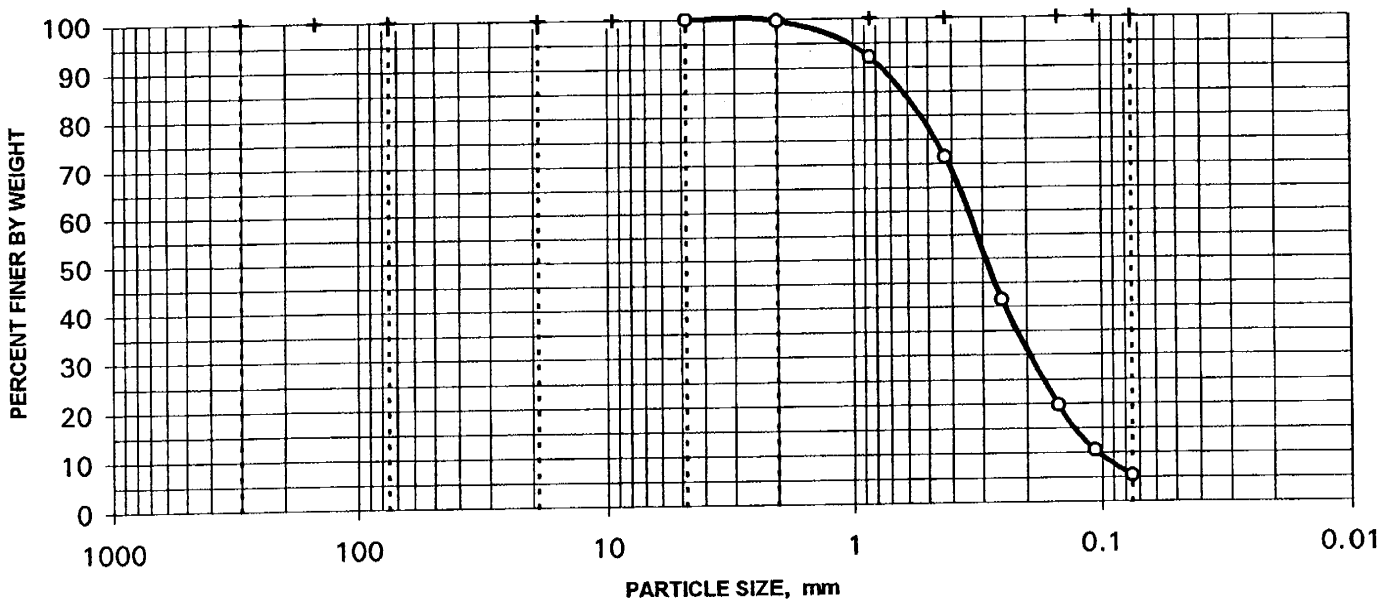
Moisture Content = 32.9%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	100.0%
	#4	4.750	100.0%
	#10	2.000	99.7%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	92.1%
	#40	0.425	71.4%
	#60	0.250	41.5%
	#100	0.149	19.6%
	#140	0.106	10.5%
	#200	0.075	5.3%

DISTRIBUTION CURVE



Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name: Fort McClellan
Project No.: 800486.03020300

Field Sample No.: HQ1005
IT Lab Sample No.: ETDC-9039

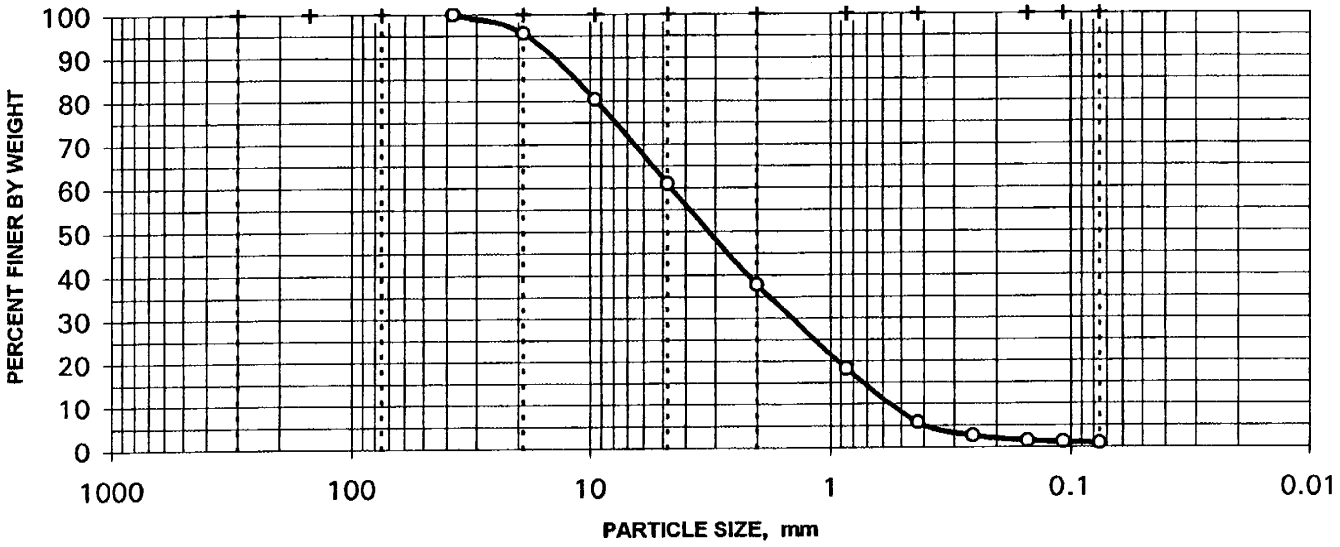
Moisture Content = 22.9%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	95.6%
	0.375"	9.500	80.4%
	#4	4.750	60.9%
	#10	2.000	37.8%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	18.2%
	#40	0.425	5.7%
	#60	0.250	2.6%
	#100	0.149	1.5%
	#140	0.106	1.1%
	#200	0.075	0.8%

DISTRIBUTION CURVE



Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name: Fort McClellan
Project No.: 800486.03020300

Field Sample No.: HS1001
IT Lab Sample No.: ETDC-9042

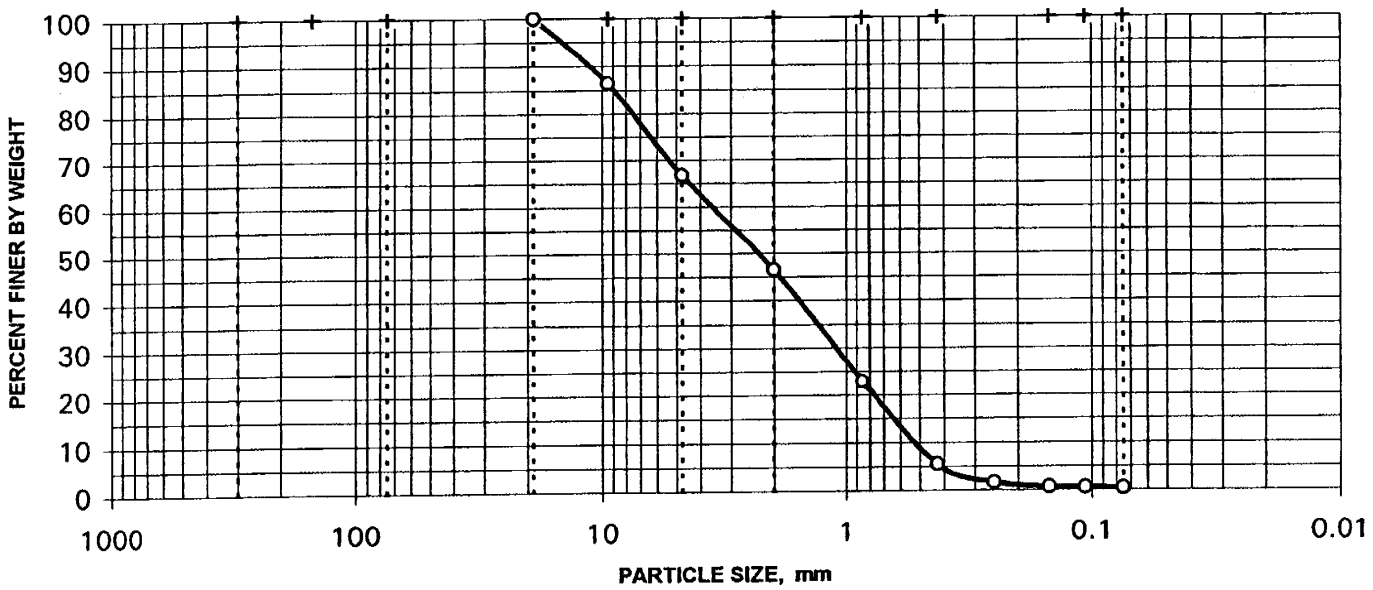
Moisture Content = 18.2%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	86.4%
	#4	4.750	66.8%
	#10	2.000	46.5%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	22.8%
	#40	0.425	5.4%
	#60	0.250	1.6%
	#100	0.149	0.6%
	#140	0.106	0.5%
	#200	0.075	0.4%

DISTRIBUTION CURVE



Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name: Fort McClellan
Project No.: 800486.03020300

Field Sample No.: HS1002
IT Lab Sample No.: ETDC-9043

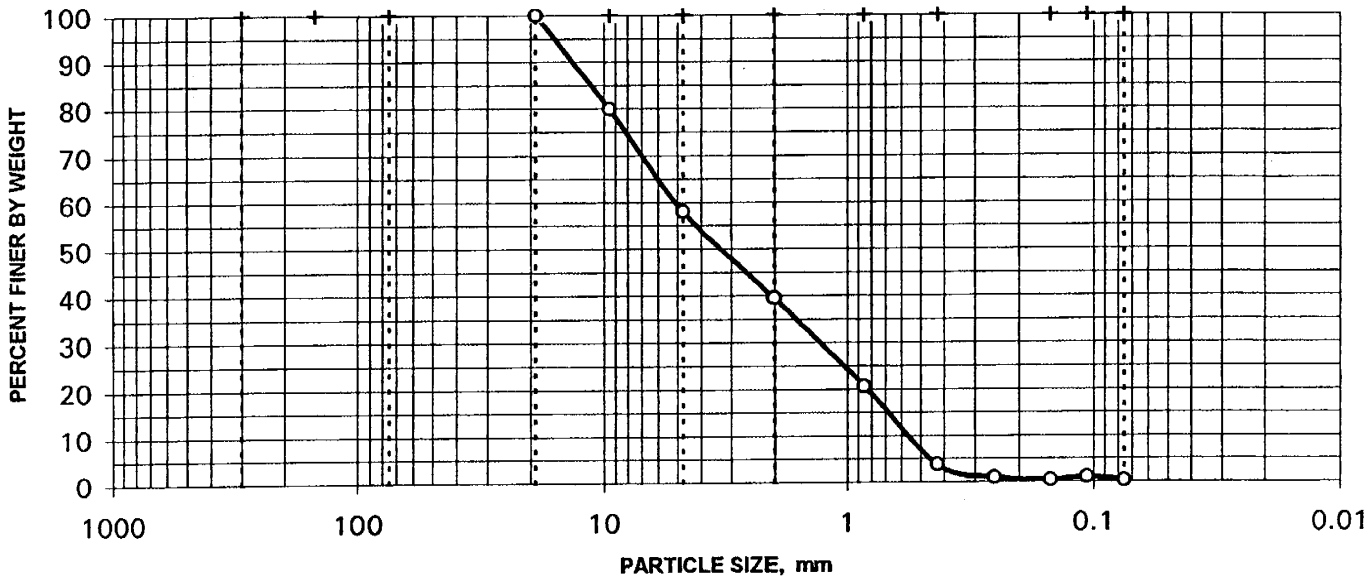
Moisture Content = 21.5%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	80.0%
	#4	4.750	58.0%
	#10	2.000	39.5%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	20.7%
	#40	0.425	3.9%
	#60	0.250	0.9%
	#100	0.149	0.4%
	#140	0.106	1.1%
	#200	0.075	0.3%

DISTRIBUTION CURVE



Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name: Fort McClellan
Project No.: 800486.03020300

Field Sample No.: HS1003
IT Lab Sample No.: ETDC-9044

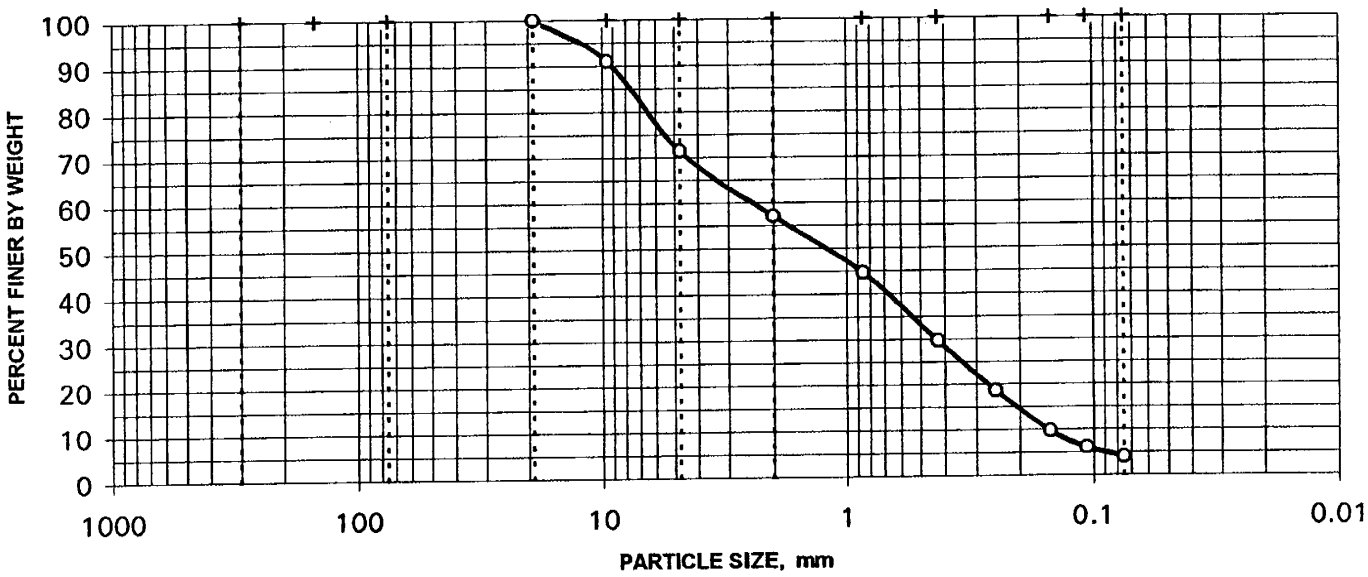
Moisture Content = 31.7%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	91.0%
	#4	4.750	71.4%
	#10	2.000	57.1%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	44.6%
	#40	0.425	29.7%
	#60	0.250	18.6%
	#100	0.149	9.7%
	#140	0.106	6.1%
	#200	0.075	4.0%

DISTRIBUTION CURVE



Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name: Fort McClellan
Project No.: 800486.03020300

Field Sample No.: HS1004
IT Lab Sample No.: ETDC-9045

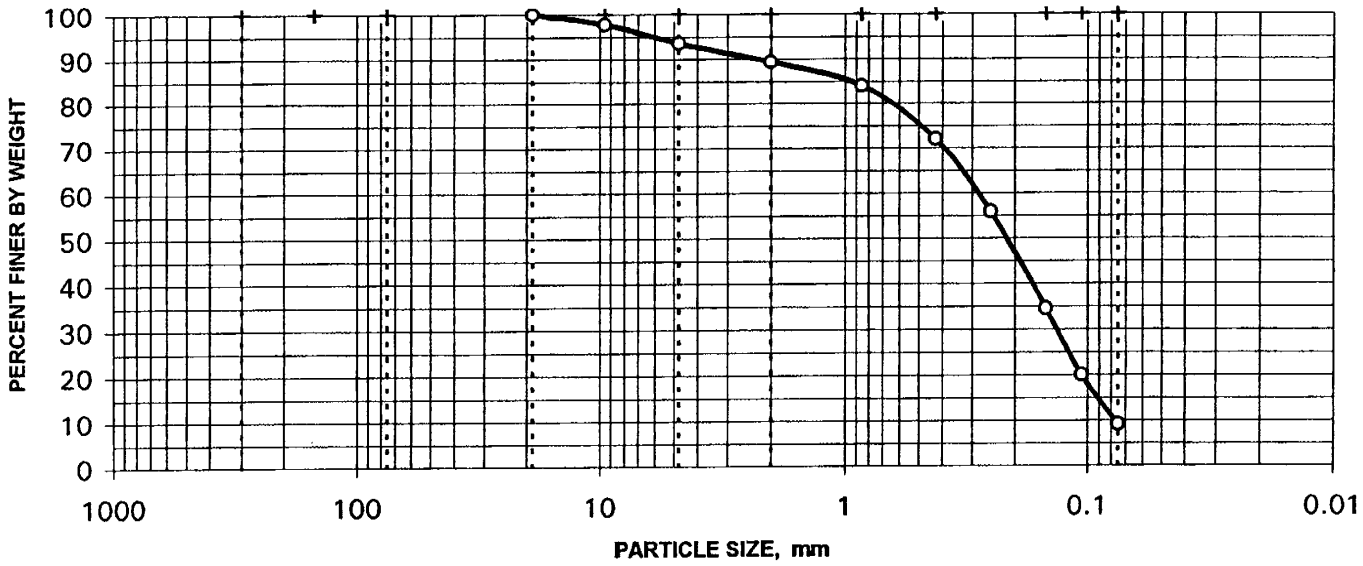
Moisture Content = 42.4%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	97.8%
	#4	4.750	93.5%
	#10	2.000	89.4%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	83.9%
	#40	0.425	71.9%
	#60	0.250	55.8%
	#100	0.149	34.5%
	#140	0.106	20.0%
	#200	0.075	9.1%

DISTRIBUTION CURVE



Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name: Fort McClellan
Field Sample No.: HS1005
Project No.: 800486.03020300
IT Lab Sample No.: ETDC-9046

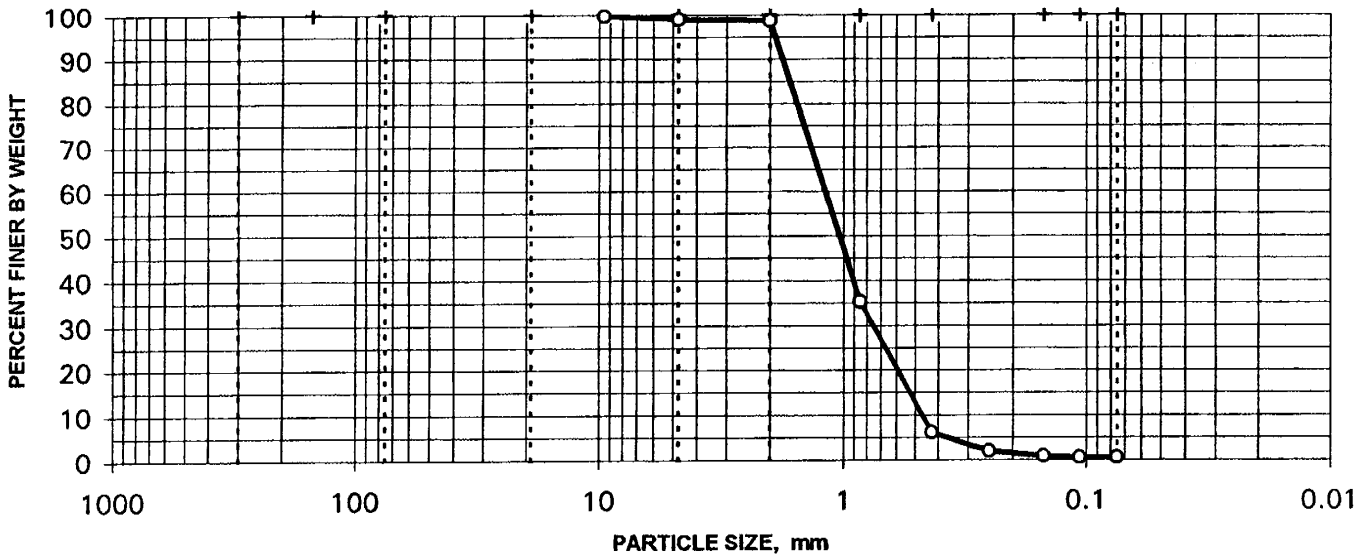
Moisture Content = 25.1%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	99.8%
	#4	4.750	99.0%
	#10	2.000	98.7%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	35.2%
	#40	0.425	6.2%
	#60	0.250	2.0%
	#100	0.149	0.8%
	#140	0.106	0.6%
	#200	0.075	0.6%

DISTRIBUTION CURVE



Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan

Client Sample No.: HS1006

Project No.: 800486.03020300

IT Lab Sample No.: ETDC-9047

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 248.8%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	98.9%
	#4	4.750	95.6%
	#10	2.000	94.4%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	93.6%
	#40	0.425	90.9%
	#60	0.250	85.3%
	#100	0.149	72.9%
	#140	0.106	59.6%
	#200	0.075	45.1%

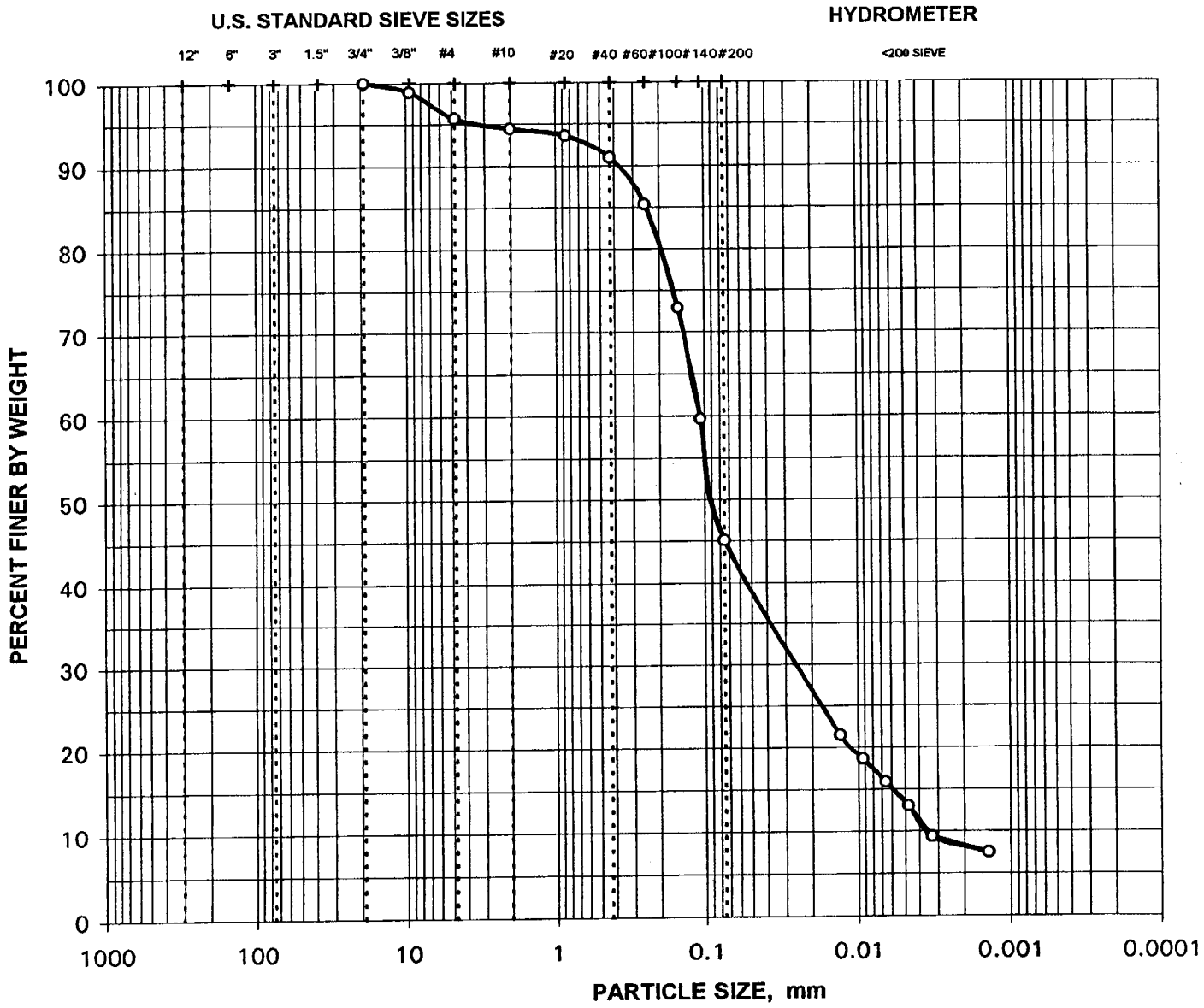
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.01306	21.5%
	0.00922	18.7%
	0.00657	15.9%
	0.00470	13.1%
	0.00329	9.3%
	0.00138	7.5%

Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

Fort McClellan



CLIENT SAMPLE NO.: HS1006 **IT LAB SAMPLE NO.:** ETDC-9047

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

Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name: Fort McClellan
Project No.: 800486.03020300

Field Sample No.: HS1007
IT Lab Sample No.: ETDC-9048

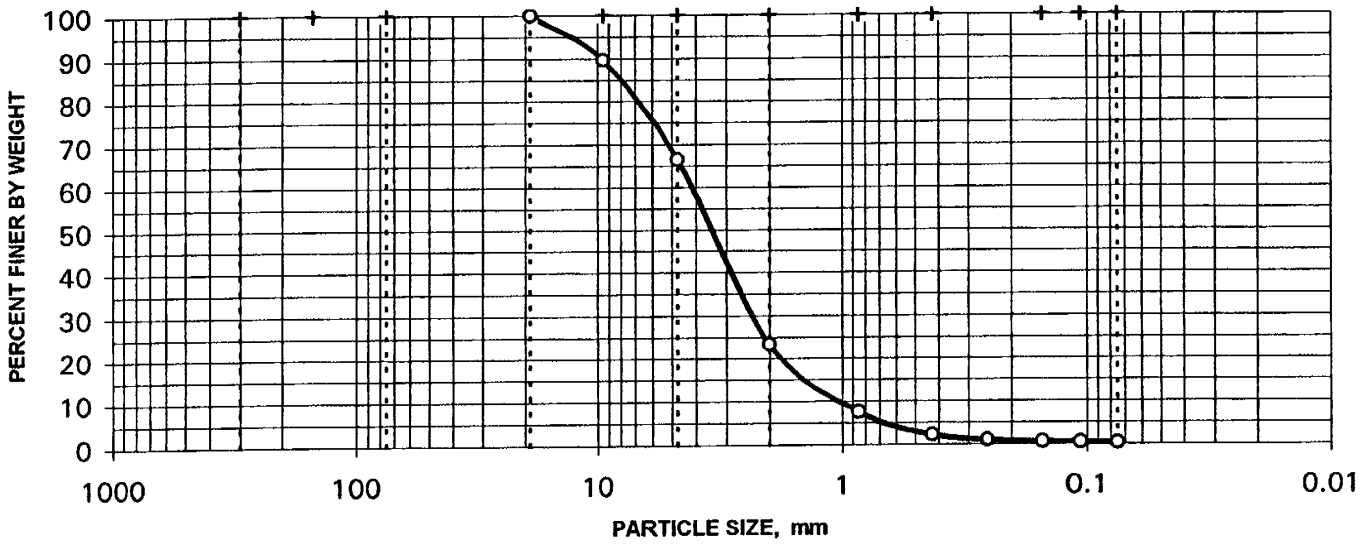
Moisture Content = 31.0%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	89.6%
	#4	4.750	66.5%
	#10	2.000	23.3%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	7.5%
	#40	0.425	2.2%
	#60	0.250	1.0%
	#100	0.149	0.5%
	#140	0.106	0.4%
	#200	0.075	0.3%

DISTRIBUTION CURVE



Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE DISTRIBUTION
ASTM D 422

Project Name: Fort McClellan

Project No.: 800486.03020300

Field Sample No.: HS1008

IT Lab Sample No.: ETDC-9049

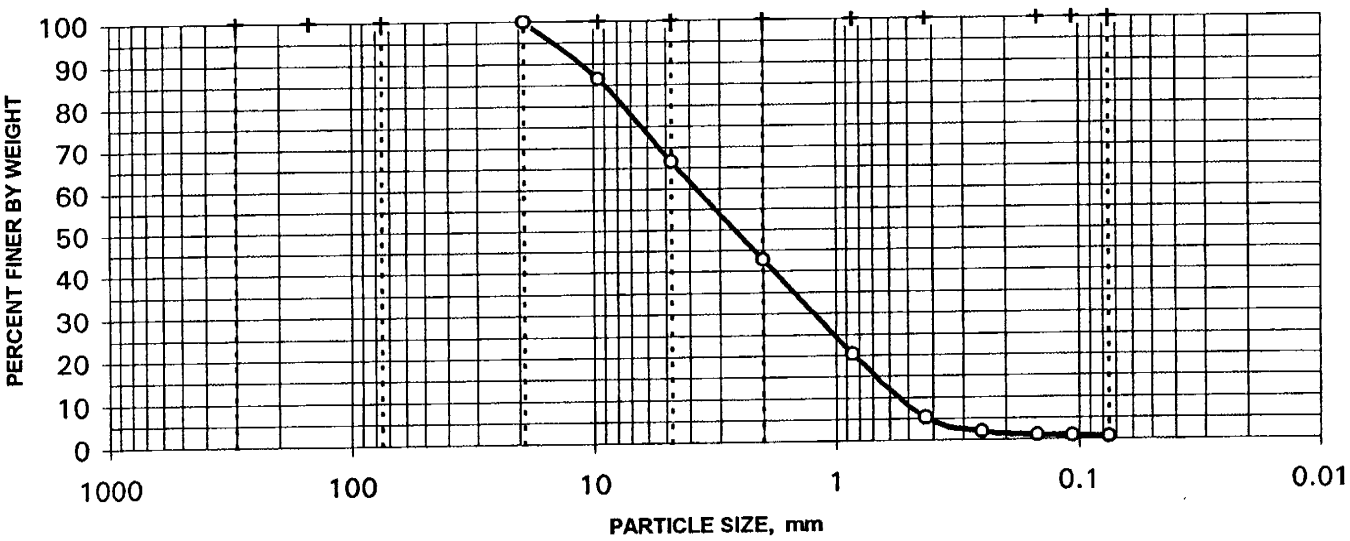
Moisture Content = 25.2%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	86.5%
	#4	4.750	66.5%
	#10	2.000	42.8%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	20.3%
	#40	0.425	5.2%
	#60	0.250	2.0%
	#100	0.149	1.1%
	#140	0.106	0.8%
	#200	0.075	0.6%

DISTRIBUTION CURVE



Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

PARTICLE-SIZE ANALYSIS
ASTM D 422

Project Name: Fort McClellan
Client Sample No.: HS1009
Project No.: 800486.03020300
IT Lab Sample No.: ETDC-9050

Specific Gravity = 2.65
assumed for calculations

Moisture Content = 29.0%
based on dry sample weight

SIEVE ANALYSIS

	Sieve No.	Diameter mm	Percent Finer
COARSE	3"	75.000	100.0%
	1.5"	37.500	100.0%
	0.75"	19.000	100.0%
	0.375"	9.500	76.2%
	#4	4.750	64.6%
	#10	2.000	49.7%

	Sieve No.	Diameter mm	Percent Finer
FINE	#20	0.850	39.3%
	#40	0.425	27.6%
	#60	0.250	19.7%
	#100	0.149	14.4%
	#140	0.106	12.2%
	#200	0.075	10.3%

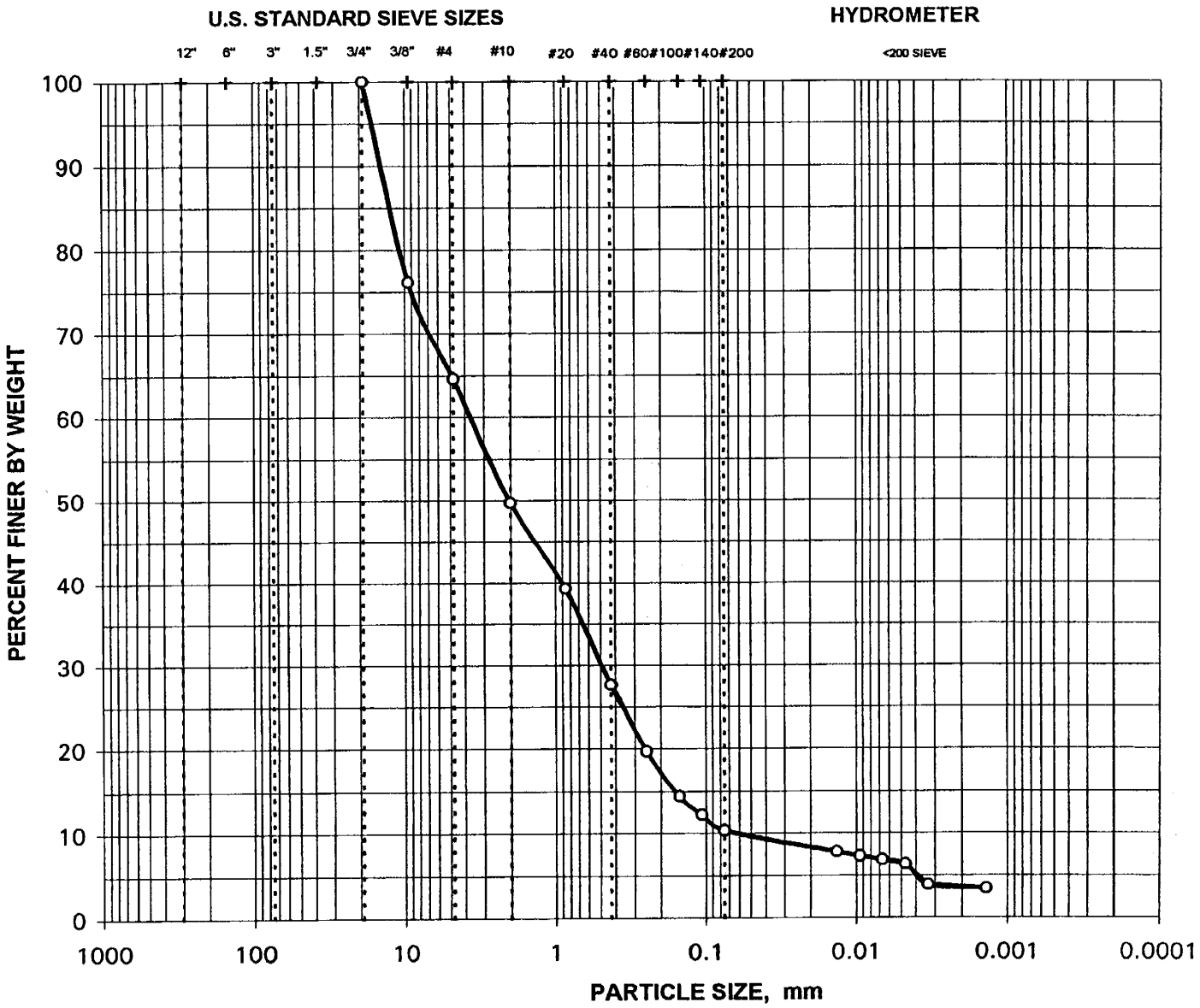
HYDROMETER ANALYSIS

	Diameter mm	Percent Finer
HYDROMETER		
	0.01296	12.7%
	0.00936	7.3%
	0.00664	6.8%
	0.00468	6.3%
	0.00331	3.9%
	0.00138	3.4%

Duane Nielsen
IT Corporation
September 7, 2000
IT Project ID: Fort McClellan
IT Project No.: 800486.03020300

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

Fort McClellan



CLIENT SAMPLE NO.: HS1009

IT LAB SAMPLE NO.: ETDC-9050

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

FINAL
DATA EVALUATION REPORT AND
SCREENING LEVEL ECOLOGICAL RISK ASSESSMENT
FOR BAINS GAP ROAD RANGES
FORT MCCLELLAN, CALHOUN COUNTY, ALABAMA

VOLUME III OF III

APPENDICES G - I

AUGUST 2002