

MINISTRY OF TRANSPORTATION AND HIGHWAYS
 GEOTECHNICAL AND MATERIALS ENGINEERING
 AGGREGATE TESTHOLE SUMMARY SHEET

PROJECT Pope Pit
 REGION S DISTRICT Bulkley Pass

FILE No. M54-641-5401A
 DATE Nov 20/96
 CALCULATIONS BY J. Place
 SHEET 1 OF 5

TESTHOLE #	DEPTH OF OVERBURDEN	DEPTH OF SOIL BOUNDARIES	SOIL CLASSIFICATION	GRADATION OF MATERIALS					PLASTIC FINES SAND EQUIVALENT	SOUNDNESS / DURABILITY				MATERIAL AT BOTTOM OF HOLE	WATER TABLE DEPTH	COMMENTS			
				OVERSIZE			GRAVEL (4.75/75)	SAND (75/4.75)		FINES (4.75)	MAXIMUM SIZE (mm)	DEGRADATION	MAGNESIUM SULPHATE SOUNDNESS				DURABILITY INDEX		
				75/150 mm	150/225 mm	>225 mm							FINE AGG				COARSE AGG	FINE AGG	COARSE AGG
95-1		0.0														Contaminated with Wood			
		2.2	GPGM	2	0	0	56	36	8	100									
		2.2																	
		3.3	GW	5	3	T	65	33	2	275									
	3.3																		
	4.5	SM ₂					0	80	20	-									
	4.5																		
	6.0	SP					0	95	5	-				SP	4.3				
2		0.0														Cont'd with wood Some silt seams			
		1.0	GPGM	3	Φ	Φ	60	33	7	275									
		1.0																	
	3.0	GW	5	3	T	60	37	3	275										
	3.0																		
	5.5	SP												SP	3.5	Saturated			
3		0.0														Minor clay coatings			
		3.0	GPGM	8	4	T	69	26	5	275	76	45.9							
		3.0																	
		4.0	SPSM					0	90	10	-								
	4.0																		
	5.0	SPSM	4	2	-	44	49	7	200	200									
	5.0																		
	6.0	SP												SP	5.0	Saturated			
4)		0.0														clay lumps			
		2.8	GPGM	4	2	T	68	26	6	250	68	53							
		2.8																	
		5.0	SPSM					0	90	10									
	5.0																		
	6.0	SP												SP	4.7	Saturated			

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PROJECT Popo Pit
REGION 5 DISTRICT Bulkley Nass

FILE No. _____
DATE Nov 20/96
CALCULATIONS BY Jim Place
SHEET 3 OF 5

TESTHOLE #	DEPTH OF OVERBURDEN	DEPTH OF SOIL BOUNDARIES	SOIL CLASSIFICATION	GRADATION OF MATERIALS						PLASTIC FINES SAND EQUIVALENT	SOUNDNESS / DURABILITY				MATERIAL AT BOTTOM OF HOLE	WATER TABLE DEPTH	COMMENTS		
				OVERSIZE			GRAVEL (4.75/75)	SAND (75/4.75)	FINES (<4.75)		MAXIMUM SIZE (mm)	DEGRADATION	MAGNESIUM SULPHATE SOUNDNESS					DURABILITY INDEX	
				75/150 mm	150/225 mm	>225 mm							FINE AGG	COARSE AGG				FINE AGG	COARSE AGG
95-11		0.0	SM ₃				20	50	30										
		1.3	SM ₁	-	-	-	0	81	19	50	30								
		2.8 3.5	CL	2	-	-	25	25	50	100					CL	—	Till		
12		0.0	GPGM	7	2	0	62	31	7	175				48.8	62				
		3.5	GW	5	T	0	64	33	3	150	69	74			GW	—	Small clay balls		
		6.0																	
13		0.0															Slash pile - WASTE		
		2.5	GW	3	T	0	60	38	2	150	81	61			GW	—			
		6.0																	
14		0.0	GW	3	1	0	57	42	1	150				59.5	74		small clay balls		
		3.5	GFP	4	2	0	67	30	3	150	72	60	Absorption	SCA = 1.478 % FA = 1.891 %		GFP	—		
		6.0																	
15		0.0	SPPSM	1	T	0	35	58	7	150				33.9	36		Minor Silt seams		
		2.5	GW	1	T	0	58	40	2	150	89	66			GW	—			
		6.0																	
16		0.0	GW	3	T	0	55	44	1	150	86	57							
		3.5	GW	2	0	0	50	48	2	100				62.2	74	GW	—		
		6.0																	

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PROJECT Pope Pit
 REGION _____ DISTRICT _____

FILE No. _____
 DATE Nov 20 196
 CALCULATIONS BY J. Place
 SHEET 4 OF 5

TESTHOLE #	DEPTH OF OVERBURDEN	DEPTH OF SOIL BOUNDARIES	SOIL CLASSIFICATION	GRADATION OF MATERIALS							PLASTIC FINES	SOUNDNESS / DURABILITY				MATERIAL AT BOTTOM OF HOLE	WATERTABLE DEPTH	COMMENTS	
				OVERSIZE			GRAVEL (4.75/75)	SAND (60/4.75)	FINES (60/75)	MAXIMUM SIZE (mm)		SAND EQUIVALENT	DEGRADATION	MAGNESIUM SULPHATE SOUNDNESS					DURABILITY INDEX
				75/150	150/225	>225					FINE AGG			COARSE AGG	FINE AGG				COARSE AGG
95-17		0.0	GW	3	0	0	62	34	4	100	78	58							
		2.8	GP	5	2	0	59	39	2	150	79	58						Some Clay Balls	
18		0.0	GP/GM	3	T	0	59	35	6	150	52	20							
		2.5	GW	5	T	0	69	27	4	150			48.9	73	GW			Clay balls & Coatings	
19	0.5	0.0	GP/GM	2	T	0	55	35	10	150								Contaminated - Organics	
		0.5	SW	2	0	0	43	54	3	75			19.6%	13.4%					
		2.5	GW	7	T	0	63	35	2	150	79	58	Absorption	SCA = 2.58% 2.138%	FA = 2.58% 3.007%	GW		Clay Coatings	
20		0.0	GP/GM	2	0	0	55	35	10	125									
		0.5	GW	2	T	0	59	37	4	150				38.3	63				
		2.8	GW	7	3	T	67	28	5	225	47	53				GW		Clay Coatings	
21		0.0	GP/GM	2	-	-	55	35	10	100									
		0.5	GP/GM	4	2	T	63	32	5	275	47	16							
		2.0	GW	5	3	T	60	35	5	250				56.1	63	GW		Clay Coatings	

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 DATE Nov 21/96
 CALCULATIONS BY J. Place
 SHEET 5 OF 5

TESTHOLE #	DEPTH OF OVERBURDEN	DEPTH OF SOIL BOUNDARIES	SOIL CLASSIFICATION	GRADATION OF MATERIALS						PLASTIC FINES SAND EQUIVALENT	SOUNDNESS / DURABILITY				MATERIAL AT BOTTOM OF HOLE	WATER TABLE DEPTH	COMMENTS		
				OVERSIZE			GRAVEL (4.75/75)	SAND (60/4.75)	FINES (60/0.075)		MAXIMUM SIZE (mm)	DEGRADATION	MAGNESIUM SULPHATE SOUNDNESS					DURABILITY INDEX	
				75/150 mm	150/225 mm	>225 mm							FINE AGG	COARSE AGG				FINE AGG	COARSE AGG
95-22	0.5	0.0	GPGM				55	35	10									Roots, etc.	
		0.5	GPGM	3	1	0	71	23	6	150	33	11							
		5.8	GW	3	1	0	62	34	4	150			54.2	62	GW	/	Clay Coatings		
23	0.5	0.0	GPGM	2	-	-	55	35	10	125							Roots, etc.		
		2.5	GPGM	4	2	0	57	37	6	150	40	14							
		5.8	GW	5	3	T	57	38	5	300	40	36			GW	-	Clay Coatings		
24	0.5	0.0	GPGM	2	-	-	55	35	10	100							Roots, etc.		
		0.5	GW	2	T		65	31	4	150									
		5.8	GW	5	2	T	56	39	5	250	48	44	Absorption	CA=1.873% FA=3.003%	GW	/	Clay Coatings.		
25	0.5	0.0	GPGM	2	-	-	55	35	10										
		0.5	GP	5	4		55	42	3		79	20					Clay Coatings		
		5.0	GP/GM	5	2	T	52	42	6	1500			55	63	GP/GM	/	one large Rock		
26	0.5	0.0	GPGM																
		0.5	SW	3	1	T	46	50	4	225	66	24							
		5.4	GW	3	1	T	61	34	5	225	44	53			GW	/	Clay Coatings.		