AGGREGATE LOG

PROJECT: Swansea Pit Investigation
PIT #:
DISTRICT: Rocky Mountain
SAMPLED BY: Tedd Robertson/SCL
METHOD: Excavator Hitachi 225
DATE: November 22/07

TH / TP	DEPTH (m)		SAMPLE	SOILS CLASS	ESTIMATED GRADATION			ESTIMATED ROCK 75mm				SAND TYPE	REMARKS
	FROM	TO	BAG No.		G	S	F	MAX SIZE	75mm - 150mm	150mm - 375mm	375mm	F M C	LAB GRADATION
07-11	0.0	0.2	NS	TS (ML)									
	0.2	1.5	48427	ML	0	30	70	0	0	0	0	F	Fines are mostly silt, only trace clay
	1.5	5.5	48488	GP-GM	65	30	5	220	4	1	0		calcite coatings common GW 72.5/23.1/4.4
07-12	0.0	0.3	NS	TS									
	0.3	1.8	NS	GM_1	55	30	15	500	3	2	1	M	kame/ablation till
	1.8	2.8	NS	ML	15	25	60	200	1	1	0	M > F	dense till
07-13	0.0	0.3	NS	TS									less clay that adjacent TP07-01
	0.3	5.0	48448	GP-GM	75	17	8	530	7	3	<1	C	GP-GM 83.5/11.1/5.3
07-15	0.0	0.2	NS	TS									
	0.2	2.8	WST120	ML	0	10	90	0	0	0	0	F	fines have significant clay
	2.8	5.5	WST116	GM_1	60	25	15	300	4	2	0		
07-18	0.0	0.2	NS	TS									
	0.2	2.0	NS	ML	0	25	75	0	0	0	0	F	slightly less clay than TP07-17
	2.0	5.5	WST020	GP-GM	70	20	10	200	4	3	0	F > C	GW-GM 74.5/18.5/7.0
07-25	0.0	0.2	NS	TS									
	0.2	3.8	SCL010	ML	<1	25	75	0	0	0	0	F	gravel becomes siltier at bottom of pit
	3.8	6.8	SCL011	GP-GM	65	25	10	350	5	2	0	M	GP-GM 62.0/28.3/9.7
07-26	0.0	0.2	NS	TS									
	0.2	2.5	NS	ML	<1	25	75	0	0	0	0	F	avg rock size becomes smaller at depth
	2.5	3.7	SCL100	SM_2	<1	75	25	0	0	0	0	M	ML 1.0/44.5/54.6
	3.7	6.7	SCL101	GP-GM	60	32	8	470	5	2	<1	M	GP-GM 70.6/20.9/8.4
07-30	0.0	0.3	NS										
	0.3	4.1	NS	SM_3	15	50	35	400	1	1	<1		slopes = -9% +18%
													kame mat'l at edge of glaciofluvial deposit
													some stratification with finer and coarser layers