BRITISH COLUMBIA	**Ministry of Transportation and Infrastructure** Geotechnical and Materials Engineering	**Southern Interior Region** 231 - 447 Columbia Street Kamloops, BC V2C 2T3 Telephone: (778) 362-4597 Fax: (250) 828-4083

Meeker Pit No. 2879

2021 Technical Information Report

Location: The pit is located approximately 10 km south of Little Fort, west of Highway 5, accessed from Allen Meeker Road. UTM coordinates for the pit are Zone 10, 0696164E 5691767N.

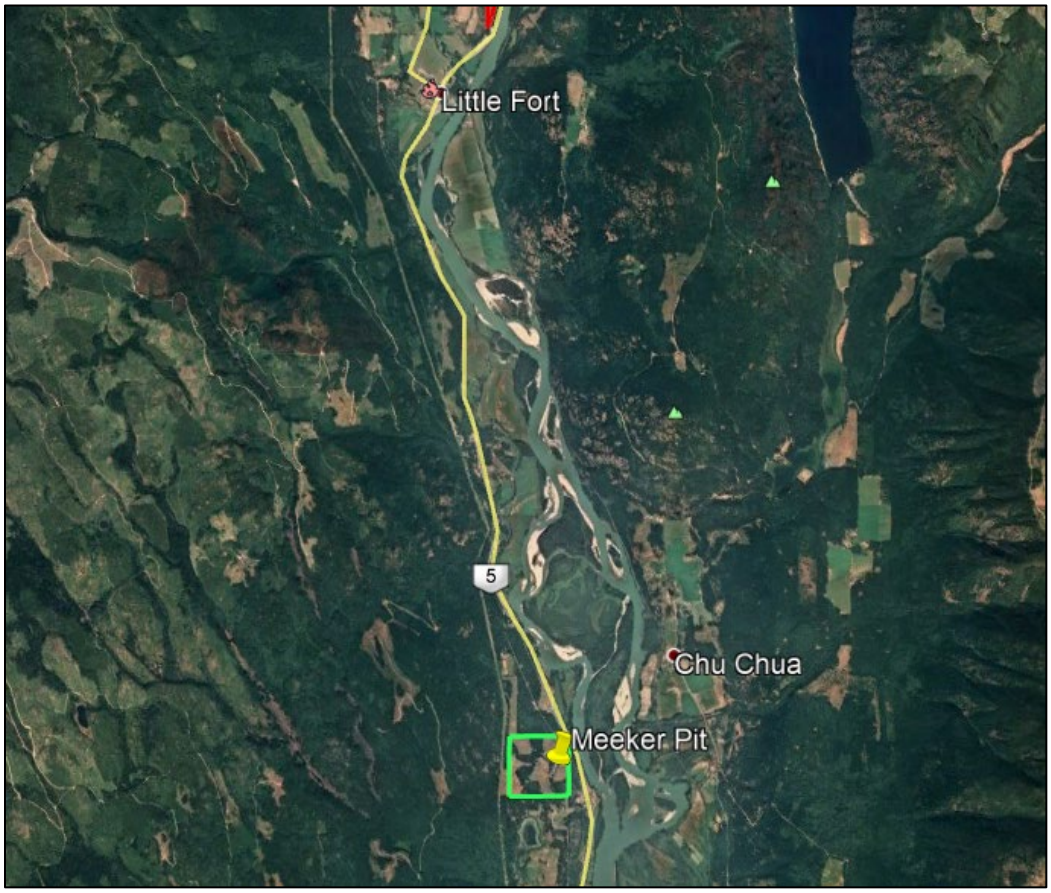

Figure 1 Map of Meeker Pit, between Barriere and Little Fort off Highway 5 (Google Earth).

Legal Description: District Lot 1749 KDYD. There are three easements: Oil pipeline (Plan A1360), BCH Transmission, and BCH supply line. The Ministry of Transportation and Infrastructure purchased the property in October 2015.

Gradation: The average and range of gradations for samples obtained from 2014 and 2015 excavator test pits within the proposed suitability area are as follows:

Laboratory Samples

Classification	Average (%)	Range (%)
Gravel (4.75-75mm)	64.9	48 – 79
Sand (0.075-4.75mm)	31.1	19 – 48
Fines (<0.075mm)	4.0	0.5 – 10.0

Oversize Field Estimates

Classification	Average (%)	Range (%)
Boulders (>375mm)	<1	0 – 3
Cobbles (150-375mm)	2.1	0 – 8
Cobbles (75-150mm)	3.4	0 - 12

Maximum rock size observed was 500mm.

Summary of Test Pit Logs (with results bolded in the chart):
For your reference, the 2014 and 2015 test pit logs are attached at the end of the report.

Aggregate Quality: A summary of aggregate quality tests performed on pit run samples from the 2015 tested area are as follows:

TEST	AVERAGE	RANGE
Micro Deval Fine %	15.2	12.0-19.0
Micro Deval Coarse %	6.7	5.7 – 7.4
Bulk Relative Density Coarse	2.76	2.70 – 2.82
Bulk Relative Density Fine	2.67	2.64 – 2.71
Sand Equivalent	59	23-80

Granular Volume:

Borrow Area 2
Estimated Volume: 170,000 m^3

- The estimated volumes were determined by multiplying the surface area of the borrow area boundary by an average depth of 2 metres.

Pit Development and Recommendations:

- The mining area is currently undeveloped. Development will be the responsibility of the contractor and shall be completed as per the pit development plan or as directed by the Ministry Representative. All development must be carried out in accordance with the Health, Safety, and Reclamation Code for Mines in British Columbia, the current Standard Specifications for Highway Construction, and the Aggregate Operators Best Management Practices Handbook for BC.

- The extraction area is to be located near TP15-103 in Borrow Area 2, as identified on the Pit Development Plan, with mining proceeding in a northern / northwestern direction as indicated by the development arrows.

- In Borrow Area 2, excavated borrow material may be stockpiled where space permits within the borrow area as directed by the Ministry Representative. Site preparation may be required to create a clear and level stockpile area.

- Some stripping may be required prior to mining and aggregate stockpiling. If additional development is required, it shall conform to the requirements of the pit development plan or be completed as directed by the Ministry Representative. Movement of any surplus overburden in the Borrow Areas will be the responsibility of the contractor.

- At the completion of mining, active pit faces shall be sloped to a minimum of 1 ½:1 with pit run granular material. All trees, vegetation, and overburden are to be removed within 2m of the top of the pit faces. Topsoil, overburden, and aggregate cannot be removed within 5m of the reserve boundary.

- No dumping of debris or petroleum products is permitted. The pit must be left in a clean and safe condition.

- Barbed wire cross fences may require removal prior to excavation and/or stockpiling.

- Topsoil shall be stockpiled in a suitable area south of the active extraction area, as indicated on the Pit Development Plan, or as directed by the Ministry Representative.

- Improve the access road from Allen Meeker Road to the pit. Re-align the existing road to avoid the BCH transmission line. Upgrade or re-locate the entrance to improve sight distances for turning trucks.

- Prior to any activity in the pit, the grazing licensee must be notified.

- **All reject materials resulting from aggregate production are to be placed in separate stockpiles free from deleterious material and in an easily accessible location. No stockpiling against the pit face is permitted without the permission from the Aggregate Resource Manager.**

Site Photographs:

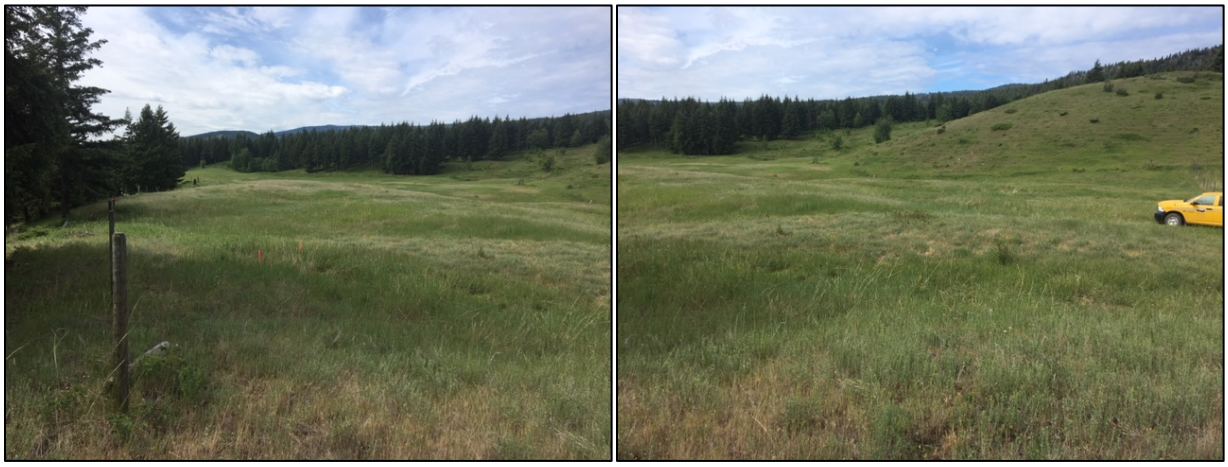

Figure 2 Proposed surplus stockpile areas to the left of the truck (May 2018).

Prepared By:

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Aggregate Resource Manager
Ministry of Transportation & Infrastructure
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AGGREGATE LOG

PROJECT: Allen Meeker Prospect
PIT #:
DISTRICT: Thompson Nicola

SAMPLED BY: Bill Richards
METHOD: Excavator
DATE: 2014-11-20 to 11-21

TH / TP	DEPTH		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	
14-01	0	0.7		TS/OB									
	0.7	1.3		GM1/GC	50	41	9	30					Till like/Clay
	1.3	2.6		SM1	20	72	8	30					Silty Sand
	2.6	4.1		SP	10	86	4	30				F	
14-02	0	0.2		TS									
	0.2	1		SC									
	1	1.2		GP-GM	62	32	6	100	2				
	1.2	3.2		SP-SM	30	58	12	150					
	3.2	4.1		GP	57	38	5	200					
14-03	0	0.3		TS									
	0.3	1.1		SM1	10	86	14						
	1.1	2		GP-GM	56	37	7	300	6	1			
	2	3.2		GP	52	46	2	350	6	2			Very Clean
	3.2	4.2		SP	42	56	2						
14-04	0	0.3		TS									
	0.3	0.8		SM1	30	56	14						
	0.8	1.6		GP-GM	50	38	12	300				F	
	1.6	4		GP	58	40	2	200	5	2		C	Clean Gravel with silty Sand layer
14-05	0	0.3		TS									
	0.3	1	24	GP	76	20	4	300	6	1		M	**GP: 72.5/22.9/4.6**
	1	4		GP	64	34	2	275	8	1		M	Clean fine gravels
14-06	0	0.2		TS									
	0.2	0.5		SM1	14	72	14						
	0.5	3.5		SP-SM	2	90	8	250	2	1			
	3.5	4.5		GP	52	46	2	100	4				Clean fine gravels
14-07	0	0.1		TS									
	0.1	0.4	25	SM2									
	0.4	2.3		GP	56	42	2	250	4	1			**GP: 60.8/35.0/4.2**
	2.3	3		SP	0	96	4					F	
	3	4.5		GP	60	38	2	200	5	1		M-C	

AGGREGATE LOG

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TH / TP	DEPTH		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	
14-08	0	0.2		TS									
	0.2	0.9		GP-GM	54	34	12	150	6	2			
	0.9	2.6		GP-GM	52	40	8	100	2				Till?
	2.6	4.4		GP	56	42	2	100	2				
14-09	0	0.1		TS									
	0.1	1		SM1	8	76	16						
	1	2.4		SP	8	90	2						
	2.4	4.4		GP	52	46	2	200	4	1		C	
14-10	0	0.1		TS									
	0.1	0.6		SP	8	90	2						
	0.6	1.4	26	GP	74	24	2	200	6	2		C-M	**GP-GM: 48.5/45.7/5.8**
	1.4	4.4	26	GP-GM	61	32	7	200	6	3		M	
14-11	0	0.2		TS									
	0.2	1.2		SP-SM	2	87	11						
	1.2	4		SP-SM	2	92	6						Fine Gravel past 4m
14-12	0	0.1		TS									
	0.1	1.2		SM1	2	85	13						
	1.2	4.4	27	GP	68	28	4	250	6	2			**GP: 60.9/35.0/4.1**
14-13	0	4		OB									Old pit floor
14-14	0	0.3		AC									old pit floor
	0.3	2		GP	60	36	4	350	8	3			
	2	2.5		SP-SM	26	66	8						
	2.5	4.4		SP	48	50	2	400	2	1	1		
14-15	0	0.2		TS									
	0.2	1		GP	51	45	4	400	4	5	3		
	1	2		GP-GM	54	38	8						hard digging
	2	3		SP-SM	12	80	8						
	3	3.6		GP-GM	54	38	8	300	2	2			
	3.6	4		SP-SM	12	80	8						

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TH / TP	DEPTH		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	
14-16	0	0.2		TS									
	0.2	1		SP-SM	5	85	10						
	1	1.4		GP	56	41	3						
	1.4	3		SP-SM	4	90	6						
	3	4.5		SP	2	96	2						
14-17	0	0.2		TS									
	0.2	0.8		GP	52	45	3	150					
	0.8	4.4		SP	2	96	2						
14-18	0	0.1		TS									
	0.1	1		GP	52	46	2						
	1	1.9		SP	40	58	2						
	1.9	3		GP	54	44	2						
	3	4.2		GP	50	46	4						
14-19	0	1	47	GP	70	28	2	100	12	6		C	GP: 65.3/34.2/0.5
	1	1.8		SP	10	88	2					F	
	1.8	3.6		GP	52	46	2	200	3	2		F	
	3.6	4		SP	26	70	4					F	
	4			SP	2	94	4					F	
14-20	0	1	48	GP	60	37	3	200	3	2		M	GP-GM: 70.6/22.2/7.2
	1	2.4	48	GP	51	47	2	200	3	2		M	
	2.4	4.4		SP	2	96	2					F	
14-21	0	0.2		TS									
	0.2	1.4		Till									Refusal
14-22	0	2		Till									Refusal
14-23	0	0.3		TS									
	0.3	1.2	49	GP	65	33	2	150	2	1			GP: 69.8/29.0/1.2
	1.2	1.6		SP	5	93	2						
	1.6	3.2		GP	58	38	4	200	3	2		F	
	3.2			Till									

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DATE: 2014-11-20 to 11-21

TH / TP	DEPTH		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	
14-24	0	0.2		TS									
	0.2	3.3	50	GP	68	28	4	300	10	8	2	F	GP-GM: 75.2/14.8/10.0
	3.3	4		SP	2	96	2						
14-25	0	0.2		TS									
	0.2	2		GP	78	20	2	300	10	4		C	
	2	4		SP	40	58	2						

AGGREGATE LOG

PROJECT: Allen Meeker Prospect
PIT #:
DISTRICT: Thompson Nicola

SAMPLED BY: Paul Imada
METHOD: Excavator
DATE: 2015-06-24 to 07-03

TH / TP	DEPTH		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	
15-01	0	0.1		TS									
	0.1	1.1		ML	1	10	89						
	1.1	2.5		SM3	5	60	35	150	1				
	2.5	4.2		SP	1	95	4	300	1	1		F-C	
15-02	0	0.1		TS									
	0.1	0.6		ML	2	10	88						
	0.6	2.1		GP-GM	65	30	5	450	3	1	1		
	2.1	3.5		SP	15	80	5					M	
	3.5	3.7		Till									
15-03	0	0.1		TS									
	0.1	2.8		ML	0	2	98						
	2.8	3.6		ML-CL	0	2	98						
	3.6	4.4		SP	3	94	3	300	2	1		M	
15-04	0	0.1		TS									
	0.1	1.8		ML	0	2	98						
	1.8	2.3		GP	45	42	3	300	2	1			
	2.3	4.2		SP	2	96	2					M-C	
15-05	0	0.1		TS									
	0.1	2.4		ML	0	2	98						
	2.4	4.4		ML-CL	0	2	98						
15-06	0	0.1		TS									
	0.1	3.1		ML	0	2	98						
	3.1	4.2		SP	2	96	2					M-F	
15-07	0	0.1		TS									
	0.1	0.6		ML	0	2	98						
	0.6	3.4		GM1	60	27	13						

AGGREGATE LOG

PROJECT: Allen Meeker Prospect
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SAMPLED BY: Paul Imada
METHOD: Excavator
DATE: 2015-06-24 to 07-03

TH / TP	DEPTH		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	
15-08	0	0.1		TS									
	0.1	0.6		ML	0	5	95						
	0.6	3.3		SP	0	99	1					F-M	
	3.3	3.9	31	SP	15	84	1	75	1				
	3.9	4.5		SP	5	94	1						
15-09	0	0.1		TS									
	0.1	3.8		ML-CL	0	2	98						
	3.8	4.2		GM1	50	35	15	250	5	1			
15-10	0	0.1		TS									
	0.1	3.2		SP	5	90	5	350	2	1			
	3.2	3.8		Till									
15-11	0	0.2		ML	0	5	95						
	0.2	3.2		GP	60	37	3	100	1				
	3.2	3.8		SP	25	72	3						
	3.8	3.9		ML-CL	1	10	89						
	3.9	4.3		SP	15	82	3	350	1	1			
	4.3	4.4		Till	3	92	5						
15-12	0	0.2		ML	5	5	90	150	1				
	0.2	4.7		SP	0	99	1					F	
	4.7	4.8		CL	0	0	100						
15-13	0	0.1		TS									
	0.1	0.4		GM1	45	40	15						
	0.4	4.6		SP	2	96	2	150	1			F	
15-14	0	0.1		TS									
	0.1	0.7		ML	2	5	93						
	0.7	4		SP	10	88	2					F	
	4	4.4	32	SP	30	68	2						

AGGREGATE LOG

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SAMPLED BY: Paul Imada
METHOD: Excavator
DATE: 2015-06-24 to 07-03

TH / TP	DEPTH		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	
15-15	0	0.1		TS									
	0.1	0.5		ML	15	15	70	300	1	1			
	0.5	3.7		ML	10	30	60	150	1				
	3.7	4.1		Till									
15-16	0	0.1		TS									
	0.1	1		GP	65	33	2	150	1				
	1	2.5		SP	2	96	2					F-M	
	2.5	4.5		SP	1	97	2						
15-17	0	1.2		ML	0	5	95						
	1.2	3.5		SP	1	98	1					M-C	sloughed in
15-18	0	0.1		TS									
	0.1	0.6		ML	0	5	95						
	0.6	4.5		SP	0	99	1					M-F	
15-19	0	0.1		TS									
	0.1	3.2		SP	2	96	2					C-F	
	3.2	3.5		SP	15	83	2						sloughed in
15-20	0	0.1		TS									
	0.1	3.5	33	GP	58	40	2	200	2	1		C-M	sloughed in
15-21	0	0.1		TS									
	0.1	1		ML	0	5	95						
	1	2.8		SP	4	94	2	100	1				
	2.8	3.1		ML	0	0	100						
	3.1	4.2		SP	0	98	2						
15-22	0	0.1		TS									
	0.1	1.2		ML	0	10	90						
	1.2	4.2		SP	0	98	2					F-M	
15-23	0	0.1		TS									
	0.1	0.5		ML	0	5	95						
	0.5	4		SP	1	97	2					F-M	sloughed in

AGGREGATE LOG

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TH / TP	DEPTH		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	
15-24	0	0.1		TS									
	0.1	4.2		ML	0	15	85						
	4.2	4.4		SP	1	97	2					F	
15-25	0	0.5		ML	0	10	90						
	0.5	4		SP	1	97	2					F	sloughed in
15-26	0	0.1		TS									
	0.1	0.4		ML	0	10	90						
	0.4	0.8		GP-GM	60	30	10	250	2	1			
	0.8	3.1	34	GP	67	30	3	250	6	2			sloughed in
				GP	**51.2**	**44.1**	**4.7**						
15-27	0	0.1		TS									
	0.1	0.3		ML	0	10	90						
	0.3	4.6		SP	0	99	1					F-M	
15-28	0	0.1		TS									
	0.1	0.3		ML	0	10	90						
	0.3	1.8		SP	25	73	2						
	1.8	4.2		SP	3	95	2						sloughed in
15-29	0	0.1		TS									
	0.1	0.8		ML	0	10	90						
	0.8	4.2		SP	0	99	1					F-M	sloughed in
15-30	0	0.1		TS									
	0.1	2.6		SP	4	92	4	150	2			F-M	
	2.6	2.8		ML	5	20	75						
	2.8	3.5		SP	2	96	2						sloughed in
15-31	0	0.1		TS									
	0.1	4.4		SP	1	97	2					F-C	sloughed in
15-32	0	0.1		TS									
	0.1	0.6		SP-SM	1	87	12						
	0.6	4		SP	0	98	2					F	sloughed in

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DATE: 2015-06-24 to 07-03

TH / TP	DEPTH		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	
15-33	0	0.1		TS									
	0.1	0.6		SM2	0	80	20						
	0.6	3.6		SP	0	99	1						sloughed in
15-34	0	0.1		TS									
	0.1	0.6		ML	0	20	80						
	0.6	4.4		SP	0	98	2						sloughed in
15-35	0	0.1		TS									
	0.1	0.3		ML	0	20	80						
	0.3	3.8		SP	0	98	2						sloughed in
15-36	0	0.1		TS									
	0.1	0.3		ML	0	20	80						
	0.3	3.6		SP	0	98	2						sloughed in
15-37	0	0.1		TS									
	0.1	0.7		SP	10	87	3						
	0.7	1.1		SP	0	97	3						
	1.1	3.8		GP	75	23	2						seams slope 45 deg
	3.8	4.6		SP	10	88	2	75	1				sloughed in
15-38	0	0.1		TS									
	0.1	1.3		GP-GM	74	20	6	300	0	1		M-C	
	1.3	2.7		GP	50	46	4	75	1				
	2.7	4.5		SP	44	54	2	200	1	1			
15-39	0	0.1		TS									
	0.1	3.2		GP-GM	60	30	10	75	1				
	3.2	3.8		GM1	45	37	18	150	1				
	3.8	4.6		SP	0	98	2						
	4.6	4.7		SM2	0	80	20						
15-40	0	0.1		TS									
	0.1	1.3		GM1	62	25	13	75	1				
	1.3	1.8		ML	0	10	90						
	1.8	4.5		SP	15	84	1					C	

AGGREGATE LOG

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DATE: 2015-06-24 to 07-03

TH / TP	DEPTH		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	
15-41	0	0.1		TS									
	0.1	0.8		ML	0	20	80						
	0.8	4.7	35	GP	63	35	2	450	3	2	1		GP: 48.2/48.0/3.8
15-42	0	0.1		TS									
	0.1	0.3		GM1	60	27	13						
	0.3	1.8		GP	54	44	2	300	1	1			
	1.8	3.8		SP	20	76	4	500			1		sloughed in
15-43	0	0.1		TS									
	0.1	4		SP	1	96	3	350	1	1		F	sloughed in
15-44	0	0.1		TS									
	0.1	0.6		ML	0	20	80						
	0.6	4.5		SP	2	96	2						
15-45	0	0.1		TS									
	0.1	1.2		GP	65	33	2						
	1.2	4.4		SP	12	86	2	150	2				sloughed in
15-46	0	0.1		TS									
	0.1	1.8		GP	59	39	2	150	10				
	1.8	3.8		SP	36	62	2					C	sloughed in
15-47	0	0.1		TS									
	0.1	3.2		GP	75	23	2	300	5	1			sloughed in
15-48	0	0.1		TS									
	0.1	0.7		GP	60	36	4	100	1				
	0.7	1.1		ML	0	10	90						
	1.1	4.5		SP	9	87	4						sloughed in
15-49	0	0.1		TS									
	0.1	2.5		GP	76	23	2	300	2	1			sloughed in

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TH / TP	DEPTH		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	
15-50	0	0.1		TS									
	0.1	1		ML	0	20	80						
	1	1.6		SP	0	98	2						
	1.6	4.3		GP	49	47	4	250	1	1		F	Clay fines
15-51	0	0.1		TS									
	0.1	3.8	36	GP	52	46	2						sloughed in
15-52	0	0.1		TS									
	0.1	1.2		ML	0	10	90						
	1.2	2.4		SP	0	98	2					F	
	2.4	4.2		SP	6	91	3	150	1				
15-53	0	0.1		TS									
	0.1	3.2	37	GP	87	10	3						sloughed in
				GP	**78.5**	**19.4**	**2.1**						
15-54	0	0.1		TS									
	0.1	1.2		GP-GM	55	65	10	250	1	1			
	1.2	3		SP	10	86	4						
	3	4.4		GP-GM	60	28	12	200	1	1			
15-55	0	0.2		TS									
	0.2	1.4		SP	0	60	40						
	1.4	3.2		SP	0	95	5						
	3.2	4.4		GP-GM	55	33	12	150	2				
15-56	0	0.1		TS									
	0.1	3.5		GP	60	37	3	150	4				sloughed in
15-57	0	0.1		TS									
	0.1	3.7		SP	9	89	2	150	1			C	sloughed in
15-58	0	0.1		TS									
	0.1	4.8		SM2	1	79	20					F	

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TH / TP	DEPTH		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	
15-59	0	0.1		TS									
	0.1	0.7		GM1	62	25	13	150	5				
	0.7	3.6		SP-SM	24	67	9	350	3	1			
	3.6	4.8		SP	29	67	4					M	
15-60	0	0.1		TS									
	0.1	0.9		GM1	75	12	13						
	0.9	4.2		SM3	1	69	30						
	4.2	4.5		GP	55	43	2	75	1			M	
15-61	0	0.1		TS									
	0.1	3.6		GP-GM	52	37	11	150	3				
	3.6	4.6		SP-SM	46	48	6	400	1	1	1		
15-62	0	0.1		TS									
	0.1	3.3		SM1	1	80	19	100	1				
	3.3	4.6		SP	3	94	3	200	1	1			sloughed in
15-63	0	0.1		TS									
	0.1	1.2		ML	1	20	79						
	1.2	4.5		SM2	1	70	29	200	1	1			
	4.5	4.6		SP	4	92	4						
15-64	0	0.1		TS									
	0.1	4.8		SM3	1	69	30						
15-65	0	0.1		TS									
	0.1	1.6		SM3	1	69	30						
	1.6	4.5		SP	9	88	3	150	1				
15-66	0	0.1		TS									
	0.1	4.2		GP	52	45	3						sloughed in
15-67	0	0.3		TS									
	0.3	1.3		GM1	55	32	13	150	1				
	1.3	4.5		GP-GM	52	42	6	300	2	1			sloughed in

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TH / TP	DEPTH		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	
15-68	0	0.1		TS									
	0.1	4.3		GP	52	44	4	300	5	2			sloughed in
15-69	0	0.1		TS									
	0.1	0.5		ML	0	20	80						
	0.5	2.2		SP	0	97	3					M	
	2.2	4.5		GP	54	43	3	350	3	2			sloughed in
15-70	0	0.1		TS									
	0.1	1.7		GP-GM	48	40	12						refusal in Till
15-71	0	2.2		GP-GM	51	40	9						
	2.2	3.7		SP	21	75	4						
	3.7	4.5		GP-GM	48	41	11	300	3	1			at base of pit face
15-72	0	2.4		GP	60	37	3	150	1				topsoil removed, sloughed in
15-73	0	3.8		GP	65	32	3	150	1				topsoil removed, sloughed in
15-74	0	0.1		TS									
	0.1	1		SP-SM	9	82	9						
	1	2.7		SP	7	88	5	100	1				topsoil removed, sloughed in
15-75	0	0.1		TS									
	0.1	1.4		SM3	1	68	31						
	1.4	3.6		SP	2	93	5						
	3.6	4.4		GP	55	41	4	200	2	1			
15-76	0	0.1		TS									
	0.1	0.7		GP	48	47	5						
	0.7	3.6		SM3	2	37	31						
	3.6	4.4		SP	9	87	4	300	2	1			
15-77	0	0.1		TS									
	0.1	0.4		SP-SM	5	84	11						
	0.4	3.3		GP	53	44	3	150	1				sloughed in

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TH / TP	DEPTH		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	
15-78	0	0.1		TS									
	0.1	1.2		SM3	2	67	31						
	1.2	4.3		SP	48	49	3	150	2				sloughed in
15-79	0	0.1		TS									
	0.1	2.6		SP	5	92	3					C	
15-80	0	0.2		TS									
	0.2	2.1		ML	0	20	80						CL
	2.1	4.8		SP	0	96	4					F	
15-81	0	0.2		TS									
	0.2	2.6		ML-CL	0	5	95						
	2.6	4.4		GP	66	31	3	400	5	1	1		
15-82	0	0.2		TS									
	0.2	0.6		GM1	48	39	13						
	0.6	1.3		ML-CL	0	5	95						
	1.3	4.5		GP	66	31	3	250	2	1			
15-83	0	0.1		TS									
	0.1	0.4		ML	0	10	90						
	0.4	4.6	39	GP	74	24	2	250	5	1			**GP: 68.5/29.6/1.9**
15-84	0	0.1		TS									
	0.1	0.6		ML	2	10	88						
	0.6	3.9		SP	6	91	3	100	1			F	sloughed in
													Possible GP past 3.9m
15-85	0	0.1		TS									
	0.1	0.6		ML	5	15	80	100	1				
	0.6	4.6		SP								F	
15-86	0	0.3		TS									
	0.3	3		ML-CL	0	10	90						
	3	4.6		SM2	1	75	24	250	1	1		F	

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TH / TP	DEPTH		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	
15-87	0	0.1		TS									
	0.1	4.6		SM3	1	68	31					F	
15-88	0	0.1		TS									
	0.1	2.5		ML-CL	0	10	90						
	2.5	4.6		SM3	0	68	32					F	
15-89	0	0.1		TS									
	0.1	0.8		GP	74	22	4	150	1				
	0.8	3.4		SP	5	92	3					M	sloughed in
15-90	0	0.1		TS									
	0.1	2.1		GP	64	33	3	150	6				
	2.1	4.1		GP	76	21	3	150	1				sloughed in
15-91	0	0.1		TS									
	0.1	0.4		ML	0	10	90						
	0.4	1.7		SP	10	87	3						seams slope down to west
	1.7	3.6	40	GP	56	41	3	150	1				**GP:73.7/24.4/1.9**
15-92	0	0.1		TS									
	0.1	0.7		GP	52	44	4	150	1				
	0.7	2.2		SP	20	77	3	150	1				
	2.2	4.4		SP	40	57	3	250	1	1			
15-93	0	0.1		TS									
	0.1	2.8		SM2	10	69	21						
	2.8	4.5		GP	55	40	5	150	1				
15-94	0	0.2		TS									surface LB's >1m
	0.2	1.6		ML	5	15	80						
	1.6	3.6		SP-SM	10	80	10	250	1	1			
	3.6	4.4		SP	20	75	5	350	3	1		M	
15-95	0	1.2		ML	5	10	85	350	15	1			surface LB's >1m
	1.2	4.6		SM3	35	35	30	200	1	1			
	4.6	4.7		ML-CL	0	5	95						very hard

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TH / TP	DEPTH		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	
15-96	0	0.1		TS									
	0.1	2.8		ML	3	15	82						
	2.8	4.2		SM2	3	76	21	300	1	1			
15-97	0	0.1		TS									
	0.1	2.1		SP	15	81	4						
	2.1	3.2		GP	50	46	4	200	1	1			
	3.2	4.5		SP-SM	8	83	9						
15-98	0	0.1		TS									
	0.1	2.2		GM2	45	30	25	250	2	1			
	2.2	4.3		SM3	7	63	30	250	1	1			
	4.3	4.4		ML-CL	0	10	90						very hard
15-99	0	0.1		TS									
	0.1	0.7		GM3	38	31	31						
	0.7	3.8		ML	0	25	75	100	1				minor CL
	3.8	4.4		SP	10	85	5						
15-100	0	0.2		TS									
	0.2	1.8		GM2	48	31	21	300	2	2			
	1.8	4.4		SP	20	75	5	400	2	2	1		
15-101	0	0.1		TS									
	0.1	0.4		GM2	48	31	21	500	1	1	1		
	0.4	4.2		ML-CL	1	10	89						
15-102	0	0.1		TS									
	0.1	4.3	51	GP	67	30	3	450	4	1	1		**GP: 62.9/33.0/4.1**
15-103	0	0.1		TS									
	0.1	0.3		GM2	50	30	20	150	1				
	0.3	1.2		ML	0	10	90						refusal at LB

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TH / TP	DEPTH		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	
15-104	0	0.1		TS									
	0.1	0.6		SP	5	90	5						
	0.6	4.4		ML	1	15	84	250	1	1			hard, Till at bottom
15-105	0	0.1		TS									
	0.1	0.7		GM3	40	30	30						
	0.7	4		ML	3	20	77	100	1				
													END OF PITS 2015