

CLIENT: Imperial Metals Corporation	PROJECT: Monitoring Well Installations	BOREHOLE NO: MW G1_11-A
DRILLER: Mud Bay	Mount Polley - Likely, BC	PROJECT NO: VM00560.200.3
DRILL TYPE/METHOD: Sonic	NORTHING: 5823845 EASTING: 590766	ELEVATION: 1030.00 m
SAMPLE TYPE <input checked="" type="checkbox"/> TUBE	<input type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> GRAB	<input type="checkbox"/> MUD RETURN <input type="checkbox"/> CORE RETURN

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	INSTALLATION DETAILS	ADDITIONAL INFORMATION	ELEVATION (m)
0		SILT and GRAVEL, some sand, brown to light brown, moist, trace rootlets, trace organics.				Estimated Ground Elevation	
1						Well Details: Well casing in concrete at surface with locking j-plug. 0-0.3m, Sand 0.3-0.6m, Slough 0.6-11.7m, Bentonite 11.7-15.4m, Sand 12.4-15.4m, Slotted PVC pipe 15.4-15.9m, Sand	1029
2		SILT, sandy, some gravel, trace clay, compact, brown to grey, trace cobbles. [Till]			1028		
3					1027		
4					1026		
5						1025	
6						1024	
7						1023	
8						1022	
9		CLAY, silty, trace coarse sand, trace gravel, firm, grey, mottled. [Glaciolacustrine]				1021	
10		WEATHERED BEDROCK, grey to greenish grey, oxidized zones, trace white calcite infilling.				1020	
11						1019	
12						1018	
13						1017	
14						1016	
15						1015	
16		END of BOREHOLE at 15.9m				1014	
17						1013	
18						1012	
19						1011	
20							

BH FOR SOIL/ROCK VM00560.200.3 MW LOGS.GPJ AMEC-PG-MULTIWELL-DATATEMPLATE.GDT 1/4/12

	AMEC Environment & Infrastructure 3456 Opie Crescent Prince George, BC V2N 2P9 Tel: (250) 564-3243	LOGGED BY: LW	COMPLETION DEPTH: 15.9 m
		ENTERED BY: LW	COMPLETION DATE: 10/11/11
			Page 1 of 1

CLIENT: Imperial Metals Corporation	PROJECT: Monitoring Well Installations	BOREHOLE NO: MW G1_11-B
DRILLER: Mud Bay	Mount Polley - Likely, BC	PROJECT NO: VM00560.200.3
DRILL TYPE/METHOD: Sonic	NORTHING: 5823845 EASTING: 590766	ELEVATION: 1030.00 m
SAMPLE TYPE <input checked="" type="checkbox"/> TUBE	<input type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> GRAB	<input type="checkbox"/> MUD RETURN <input type="checkbox"/> CORE RETURN

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	INSTALLATION DETAILS	ADDITIONAL INFORMATION	ELEVATION (m)
0		SILT and GRAVEL, some sand, brown to light brown, moist, trace rootlets, trace organics.				Estimated Ground Elevation	
1						Well Details: Well casing in concrete at surface with locking j-plug. 0-0.3m, Sand 0.3-4.6m, Bentonite 4.6-8.1m, Sand 5.1-8.1m, Slotted PVC pipe 8.1-8.2m, Sand	1029
2		SILT, some fine sand, some gravel, trace clay, compact, brown to grey, trace cobbles. [Till]					1028
3							1027
4							1026
5							1025
6							1024
7							1023
8							1022
9		END of BOREHOLE at 8.2m					1021
10							1020
11							1019
12							1018
13							1017
14							1016
15							1015
16							1014
17							1013
18							1012
19							1011
20							

BH FOR SOIL/ROCK VM00560.200.3 MW LOGS.GPJ AMEC-PG-MULTIWELL-DATATEMPLATE.GDT 1/4/12

	AMEC Environment & Infrastructure 3456 Opie Crescent Prince George, BC V2N 2P9 Tel: (250) 564-3243	LOGGED BY: LW	COMPLETION DEPTH: 8.2 m
		ENTERED BY: LW	COMPLETION DATE: 10/11/11
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CLIENT: Imperial Metals Corporation	PROJECT: Monitoring Well Installations	BOREHOLE NO: MW G2_11-A
DRILLER: Mud Bay	Mount Polley - Likely, BC	PROJECT NO: VM00560.200.3
DRILL TYPE/METHOD: Sonic	NORTHING: 5821020 EASTING: 594910	ELEVATION: 938.00 m
SAMPLE TYPE <input checked="" type="checkbox"/> TUBE	<input type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> GRAB	<input type="checkbox"/> MUD RETURN <input type="checkbox"/> CORE RETURN

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	INSTALLATION DETAILS	ADDITIONAL INFORMATION	ELEVATION (m)
0		SILT, clayey, trace coarse sand, trace fine gravel, low plasticity, brown, trace rootlets.				Estimated Ground Elevation	
1						Well Details: Well casing in concrete at surface with locking j-plug. 0-0.3m, Sand 0.3-0.6m, Bentonite 0.6-23.8m, Grout 23.8-25.3m, Bentonite 25.3-29.3m, Sand 26.2-29.3m, Slotted PVC pipe 29.3-29.5m, Sand	937
2					936		
3					935		
4		SILT, trace clay, trace fine sand, trace gravel, grey, moist, trace cobbles. [Till]			934		
5					933		
6		- at 5.5m, silty sand, moist to wet			932		
7		- at 6.1m, saturated			931		
8		- at 7.3m, 50mm thick coarse sand zone			930		
9		SILT, sandy, trace clay, trace gravel, grey, moist to wet, trace cobbles.			929		
10					928		
11					927		
12					926		
13					925		
14		- at 13.4m, coarse sand, fine gravel, dark grey, wet			924		
15		SILT, trace fine sand, black, saturated, trace rootlets, some brown organics. [Glaciofluvial]			923		
16		- at 14.9m, dark grey to grey, moist to wet, varved			922		
17		- at 16.8m, trace clay, black, varved			921		
18		- at 17.1m, sandy silt, some clay, dark grey, moist to wet, trace to some organics			920		
19		- at 18.3m, clayey silt, grey, varved, trace black organics			919		
20							

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AMEC Environment & Infrastructure
 3456 Opie Crescent
 Prince George, BC V2N 2P9
 Tel: (250) 564-3243


LOGGED BY: LW
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COMPLETION DEPTH: 29.5 m
 COMPLETION DATE: 10/4/11
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CLIENT: Imperial Metals Corporation	PROJECT: Monitoring Well Installations	BOREHOLE NO: MW G2_11-A				
DRILLER: Mud Bay	Mount Polley - Likely, BC	PROJECT NO: VM00560.200.3				
DRILL TYPE/METHOD: Sonic	NORTHING: 5821020 EASTING: 594910	ELEVATION: 938.00 m				
SAMPLE TYPE	<input checked="" type="checkbox"/> TUBE	<input type="checkbox"/> NO RECOVERY	<input checked="" type="checkbox"/> SPLIT SPOON	<input type="checkbox"/> GRAB	<input type="checkbox"/> MUD RETURN	<input type="checkbox"/> CORE RETURN

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	INSTALLATION DETAILS	ADDITIONAL INFORMATION	ELEVATION (m)
20		CLAY to SILT, silty to clayey, medium plasticity, grey, trace red mottled zones, brown silt layers. <i>(continued)</i>					
21							917
22							916
23		- at 23.2m, trace fine gravel					915
24		SAND, silty, some gravel, trace clay, reddish grey, moist. [Till]					914
25							913
26		WEATHERED BEDROCK, red, moist.					912
27							911
28							910
29		- at 28.7m, grey					909
30		END of BOREHOLE at 29.5m					908
31							907
32							906
33							905
34							904
35							903
36							902
37							901
38							900
39							899
40							

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CLIENT: Imperial Metals Corporation	PROJECT: Monitoring Well Installations	BOREHOLE NO: MW G2_11-B
DRILLER: Mud Bay	Mount Polley - Likely, BC	PROJECT NO: VM00560.200.3
DRILL TYPE/METHOD: Sonic	NORTHING: 5821020 EASTING: 594910	ELEVATION: 938.00 m
SAMPLE TYPE <input checked="" type="checkbox"/> TUBE	<input type="checkbox"/> NO RECOVERY <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> GRAB	<input type="checkbox"/> MUD RETURN <input type="checkbox"/> CORE RETURN

DEPTH (m)	SOIL SYMBOL	SOIL DESCRIPTION	SAMPLE TYPE	SAMPLE NO	INSTALLATION DETAILS	ADDITIONAL INFORMATION	ELEVATION (m)
0		SILT, clayey, trace coarse sand, trace fine gravel, low plasticity, brown, trace rootlets.				Estimated Ground Elevation	
1						Well Details: Well casing in concrete at surface with locking j-plug. 0-10.4m, Bentonite 10.4-14.2m, Sand 11.1-14.2m, Slotted PVC pipe 14.2-14.3m, Sand	937
2					936		
3					935		
4		SILT, trace clay, trace fine sand, trace gravel, grey, moist, trace cobbles. [Till]			934		
5						933	
6		- at 5.5m, silty sand, moist to wet - at 6.1m, saturated				932	
7						931	
8		- at 7.3m, 50mm thick coarse sand zone				930	
9		SILT, sandy, trace clay, trace gravel, grey, moist to wet.				929	
10						928	
11						927	
12						926	
13						925	
14		- at 13.4m, coarse sand, fine gravel, dark grey, wet				924	
15		SILT, trace fine sand, black, saturated, rootlets, some brown organics. [Glaciofluvial] END of BOREHOLE at 14.3m				923	
16						922	
17						921	
18						920	
19						919	
20							

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AMEC Environment & Infrastructure
3456 Opie Crescent
Prince George, BC V2N 2P9
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COMPLETION DEPTH: 14.3 m
COMPLETION DATE: 10/5/11
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