

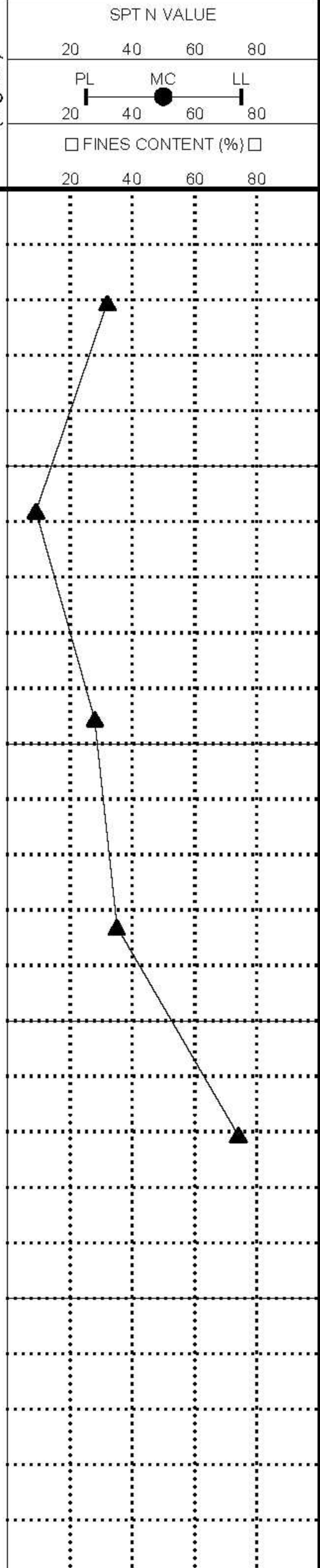


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BORING NUMBER BH-07

CLIENT SPIA - SOCIEDAD PUERTO INDUSTRIAL AGUADULCE PROJECT NAME PUERTO AGUADULCE
 PROJECT NUMBER 13016 PROJECT LOCATION AGUADULCE, BUENAVENTURA, COLOMBIA
 DATE STARTED 11/7/13 COMPLETED 15/7/13 GROUND ELEVATION -3.1 m 0 HOLE SIZE HQ
 DRILLING CONTRACTOR Edifica Colombia Ltda GROUND WATER LEVELS:
 DRILLING METHOD Drilling with TP-50D AT TIME OF DRILLING --- -2.3m
 LOGGED BY Roberto Nieves CHECKED BY Luis F Vesga AT END OF DRILLING --- -2.1m
 NOTES Offshore Borehole AFTER DRILLING ---

DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (kPa)	DRY UNIT WT. (Mg/m ³)	SPT N VALUE			
								20	40	60	80
		(ML) Sandy SILT, dark gray, low plasticity, moist	SH 1	100							
		(ML) SILT, dark gray, low plasticity, moist, dense to very dense	SPT 2	100	3-11-21 (32)						
2			SPT 3	100	4-4-5 (9)						
		2.3m									
4		(ML) SILT, dark gray, low plasticity, moist	SPT 4	100	4-11-17 (28)						
			SPT 5	100	2-5-30 (35)						
6			SPT 6	100	6-24-50 (74)						
8		Siltstone, dark gray, highly fractured, friable, fresh	RC 7	50 (0)							
10											



GEOECHBHPLOTS GEOTECHNICAL INVESTIGATION FOR SPIA. TEST BORINGS LOGS.GPJ GINT STD CANADA LAB.GDT 18/7/13



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PHOTOGRAPHIC RECORD ROCK CORES





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Preliminary