



Edifica Colombia Ltda
 Cra 48 No. 98-57
 Bogotá D.C. Colombia
 Telephone: (057) 5086013
 Fax: (057) 2362121

BORING NUMBER BH-31

CLIENT SPIA - SOCIEDAD PUERTO INDUSTRIAL AGUADULCE
PROJECT NUMBER 13016
DATE STARTED 9/6/13 **COMPLETED** 10/6/13
DRILLING CONTRACTOR Edifica Colombia Ltda
DRILLING METHOD Rig XY1
LOGGED BY Juan Carlos Vergara **CHECKED BY** Luis F Vesga
NOTES Upland borehole

PROJECT NAME PUERTO AGUADULCE
PROJECT LOCATION AGUADULCE, BUENAVENTURA, COLOMBIA
GROUND ELEVATION 10 m 0 **HOLE SIZE** NQ
GROUND WATER LEVELS:
AT TIME OF DRILLING --- 1.60m
AT END OF DRILLING ---
AFTER DRILLING --

GEOTECH BH PLOTS - GEOTECHNICAL INVESTIGATION FOR SPIA - TEST BORINGS LOGS.GPJ GINT STD CANADA LAB.GDT 11/6/13

DEPTH (m)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	RECOVERY % (RQD)	BLOW COUNTS (N VALUE)	POCKET PEN. (kPa)	DRY UNIT WT. (Mg/m³)	SPT N VALUE	
								PL	LL
2		(CH) CLAY, ocher, orange bands, high plasticity, moist	SH 1	86					
		(CH) CLAY, ocher, orange bands, high plasticity, moist	SH 2	66					
		(CH) CLAY, gray, orange bands, high plasticity, moist	SH 3	54					
		(CH) CLAY, gray, orange bands, high plasticity, damp	SH 4	68					
		(CH) CLAY, gray, high plasticity, damp	SH 5	66					
4		(CL) Silty CLAY, dark gray, low plasticity, moist	SH 6	24					
		(ML) Sandy SILT, dark gray, low plasticity, moist	SPT 7	100	2-2-4 (6)				
6		(ML) Sandy SILT, dark gray, low plasticity, moist	SPT 8	100	10-12-12 (24)				
8		(ML) Sandy SILT, dark gray, low plasticity, moist	SPT 9	100	15-30-48 (78)				
		Siltstone, with sand, dark gray, highly fractured, fresh	RC 10	70 (0)					
10		Siltstone, dark gray, highly fractured, fresh							

(Continued Next Page)



Edifica Colombia Ltda
 Cra 48 No. 98-57
 Bogotá D.C. Colombia
 Telephone: (057) 5086013
 Fax: (057) 2362121

BORING NUMBER BH-31

CLIENT SPIA - SOCIEDAD PUERTO INDUSTRIAL AGUADULCE

PROJECT NAME PUERTO AGUADULCE

PROJECT NUMBER 13016

PROJECT LOCATION AGUADULCE, BUENAVENTURA, COLOMBIA

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	20 40 60 80
	XXXXXX	Siltstone, dark gray, highly fractured, fresh (<i>continued</i>)	RC 11	74 (0)					
12	Sandstone, dark gray, highly fractured, fresh	RC 12	44 (18)					
14	XXXXXX	Siltstone, dark gray, highly fractured, fresh	RC 13	30 (0)					
		No recovery	RC 14	0 (0)					

Bottom of borehole at 15.00 meters.

GEOTECH BH PLOTS - GEOTECHNICAL INVESTIGATION FOR SPIA - TEST BORINGS LOGS.GPJ GINT STD CANADA LAB.GDT 11/6/13

Preliminary



EDIFICA
COLOMBIA LTDA

GEOTECHNICAL INVESTIGATION FOR SPIA.
BOREHOLE BH-31

PHOTOGRAPHIC RECORD ROCK CORES



Preliminary