

GPS Coordinate Points of Boreholes

El Berrinche

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Borehole#	G	GPS								
	X	Υ	Elevation							
B-1	476,895	1,559,722	984.50							
W-1	476,881	1,559,724	985.00							
B-2	476,976	1,559,671	975.60							
W-2	476,967	1,559,671	975.60							
B-3	477,190	1,559,637	942.40							
B-4	477,231	1,559,637	929.50							
B-5	477,230	1,559,568	928.10							
B-6	477,097	1,559,492	965.10							
B-7	477,218	1,559,492	933.09							
B-8	477,189	1,559,436	939.70							
B-9	477,215	1,559,877	940.60							
C-1	477,266	1,559,493	917.90							
C-2a	477,322	1,559,490	922.40							
C-2b	477,312	1,559,490	922.40							
C-3	477,267	1,559,637	925.00							
C-4	477,267	1,559,855	926.50							

El Reparto

Borehole #	G	PS	Estimated
	Х	Y	Elevation
R-1	479,684	1,561,030	985.00
R-2	479,669	1,560,887	962.50
R-3	479,669	1,560,794	950.00
R-4	479,648	1,560,690	940.00
R-5	479,638	1,560,589	932.00
R-6	479,650	1,560,512	920.00

Vertical (90°) B-1 JICA Study Team: Landalide Protection Page: 1 / 3

-9 Site Location: Upper terrace near mountainside Ref. #: 984.50 Inclination (Angle With respect to Horizontal): Ing. Raul Flores Peñalba y-9 Site Location: Log Elaborated by: Core Drill #: Elevation:

November 17, 2001 Date:

CLASSIFICATION AND PHYSICAL CONDITION (COLOR) евурніс гов HT430 LUIRO (M) 0.00 983.50 1.00 984.50 (re) МАТЕЙ СОИТЕЙТ ЕИВ ОF ВЯІСЛИС

Detritus; area of rhyolite boulders with small lenses

981.50 3.00

982.50

0.00~9.00m Detritus

F. Rio Chiquito





13.00~14.40m shear

13.00

971.50

970.50 14.00

969.50 15.00

972.50 12.00

973.50

Rock contact composed of lutite (shale) or sandstone due to small particles of quartz present on core, red color with white bands of gypsum with

Clay lens with detritus material of gravels and

pebbles

974.50 10.00

10.00~10.50m

shear zone

9.00

975.50

Detritus; area of rhyolite boulders > 1.0 m

7.00

977.50

976.50 8.00

978.50 6.00

4.40

5.00

979.50

5.50 4.58

4.00

980.50

B-1 0.00-06.00m

 Project:
 JICA Study Team: Landslide Protection
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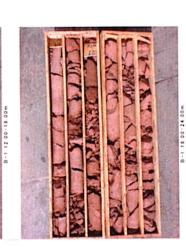
 Core Drill #:
 Y-9 Site Location:
 Upper terrace near mountainside
 Ref. #:
 B-1

 Elevation:
 984.50
 Inclination (Angle with respect to Horizontal):
 Vertical (902)

 Log Elaborated by:
 Ing. Roul Flores Peñalba
 Date:
 November 17, 2001

CLASSIFICATION AND PHYSICAL CONDITION (COLOR)		Rock composed of futite (shale) or sandstone due to small particles of quartz present on core, red color with white bands of gypsum with depth														
PAPHIC LOG	19	\bigwedge	$\langle \rangle$	7)	$\langle \rangle$	$\downarrow \downarrow$	$\langle \rangle$	γ	\rangle		$\langle \rangle$	\rangle	$\langle \rangle$	γ	$\langle \rangle$	1)
нт 930 шіяа (м)	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00
ELEVATION (M)	969.50	953.50	952.50	951.50	950.50	949.50	948.50	947.50	946.50	945.50	944.50	943.50	942.50	941.50	940.50	939.50
МАТЕЯ ИТЕИТ ЕИО ЭНЦЦИС																

19.00∼21.00m shear



24.50∼ m Hard Rock

 Project:
 JICA Study Team: Landslide Protection
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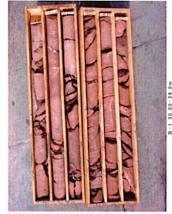
 Core Drill #:
 Y-9 Site Location:
 Upper terrace near mountainside
 Ref. #:
 B-1

 Elevation:
 984.50
 Inclination (Angle with respect to Horizontal):
 Vertical (90*)

 Log Elaborated by:
 Ing. Roul Flores Peñalba
 Date:
 November 17, 2001

CLASSIFICATION AND PHYSICAL CONDITION (COLOR)			Rock composed of lutite (shale) or sandstone due to small particles of quartz present on core, red color with white bands of gypsum with depth												
9OT ⊃IHd∀b	19	$\langle \rangle$	\sum_{i}	<i>/</i> }	\nearrow	\ \ \ \	$\langle \cdot \rangle$	$\langle \rangle$	\sum_{i}	$\langle \rangle$	A				
HT 930 IJIRO (M)	30.00	31.00	32.00	33.00	34.00	35.00	36.00	37.00	38.00	39.00	40.00				
ELEVATION (M)	939.50	908.50	907.50	906.50	905.50	904.50	903.50	902.50	901.50	900.50	899.50				
MATER ONTENT END PF DRILLING															

38.50~39.00m shear





November 05, 2001 Vertical (90°) m: Landslide Protection Page: 1 / 4
Ilon: Upper terrace near El Parvenir Ref. #:
Inclination (Angle with respect to Horizontal): Date: Ing. Raul Flores Peñalba JICA Study Team: Landslide Protection Core Drill #: 0-4 Site Location: Flevation: 975.60 Incil Log Elaborated by: Project:

CLASSIFICATION AND PHYSICAL CONDITION (COLOR) Topsoll with organic contamination, clayey matrix				Detritus; area of rhyollle boulders with small lenses of clay												
3APHIC LOG	19	> > >	* *					SE				SESSA SESSA		SESSA	200	
HT930 JJIRO (M)	0.00	1.00	2.00	3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00	13.00	14.00	15.00
NOITAVAIJA (M)	975.60	974.60	973.60	972.60	971.60	970.60	969.60	969.60	967.60	966.60		964.60	963.60	962.60	961.60	960.60
MATER ON TEND PE DRILLING				NOV.5 [9.80]												

2.00~26.00m Detritus





