

GEOLOGICAL LOG OF CORE DRILL

Project: JICA Study Team: Landslide Protection Page: 1 / 2
 Core Drill #: Y-2 Site Location: By river, left margin, facing gym Ref. #: C-3
 Elevation: 925.00 Inclination (Angle with respect to Horizontal): Vertical (90°)
 Log Elaborated by: Ing. Raul Flores Peñalba Date: October 07, 2001



0.00~6.00m
colluvium deposits



6.00~9.50m
Detritus (Boulders)

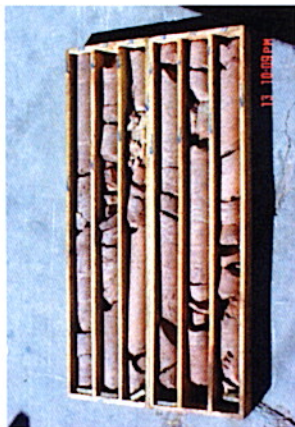


9.50~ m
F. Rio Chiquito (sound rock)

WATER CONTENT END OF DRILLING	ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
	925.00	0.00		
	924.00	1.00		
	923.00	2.00		
OCT.6 5.00	922.00	3.00		Colluvium with alluvium deposits; predominant clayey soil, red color, with interbedded lenses of gravels, possibly of rhyolite boulder fragments
	921.00	4.00		
OCT.7 5.18	920.00	5.00		
	919.00	6.00		
	918.00	7.00		Detritus; area of rhyolite boulders with small lenses of clay, sands and gravels
	917.00	8.00		
	916.00	9.00		
	915.00	9.50 10.00		
	914.00	11.00		
	913.00	12.00		
	912.00	13.00		
	911.00	14.00		
	910.00	15.00		Rock contact composed of lutite (shale) or sandstone due to small particles of quartz present on cora, red color with white bands of gypsum. Sandstone has a porous face at some intervals

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Project: JICA Study Team: Landslide Protection Page: 2 / 2
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Log Elaborated by: Ing. Raul Flores Peñalba **Date:** October 07, 2001



C-3 12 00-18 00m



C-3 18 00-20 00m

WATER CONTENT END OF DRILLING	ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
	910.00	15.00	[Graphic Log Representation]	Rock composed of lutite (shale) or sandstone due to small particles of quartz present on core, red color with white bands of gypsum
	894.00	16.00		
	893.00	17.00		
	892.00	18.00		
	891.00	19.00		
	890.00	20.00		
				Bottom of Borehole

GEOLOGICAL LOG OF CORE DRILL

Project: JICA Study Team: Landslide Protection **Page:** 1 / 1
Core Drill #: Y-3 **Site Location:** By river, left margin / facing IHSS **Ref. #:** C-4
Elevation: 926.50 **Inclination (Angle with respect to Horizontal):** Vertical (90°)
Log Elaborated by: Ing. Raúl Flores Peñalba **Date:** October 09, 2001



C-4 00 00-04 00m



C-4 06 00-12 00m



C-4 12 00-15 00m

WATER CONTENT END OF DRILLING	ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
	926.50	0.00		
	925.50	1.00		Clayey soil, red color, with interbedded lenses of rhyolite boulders, possibly alluvial soil mixed with colluvium
	924.50	2.00		
OCT.9	923.50	3.00		Detritus; area of rhyolite boulders with small lenses of clay, sands and gravels
3.38	922.50	4.00		
	921.50	5.00		
	920.50	6.00		
	919.50	7.00		
	918.50	8.00		
	917.50	9.00		
	916.50	10.00		Rock contact composed of lullite (shale) or sandstone due to small particles of quartz present on core, red color with white bands of gypsum, less porous face
	915.50	11.00		
	914.50	12.00		
	913.50	13.00		
	912.50	14.00		
	911.50	15.00		

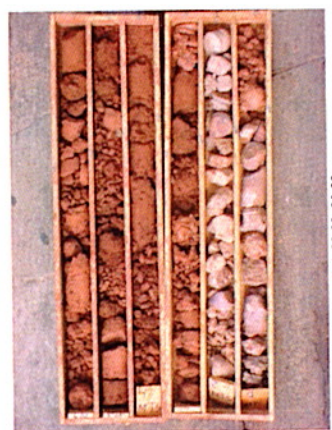
0.00~2.00m
colluvium deposits

2.00~5.50m
Detritus (Boulders)

5.50~ m
F. Rio Chiquito (sound rock)

GEOLOGICAL LOG OF CORE DRILL

Project: JICA Study Team: Landslide Protection **Page:** 1 / 2
Core Drill #: Y-10 **Site Location:** Upper Terrace near mountainside **Ref. #:** W-1
Elevation: 985.00 **Inclination (Angle with respect to Horizontal):** Vertical (90°)
Log Elaborated by: Ing. Raul Flores Peñalba **Date:** November 20, 2001



WATER CONTENT END OF DRILLING	ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
	985.00	0.00		Topsoil with organic contamination
	984.00	1.00		Detritus; area of rhyolite boulders with small lenses of clay
	983.00	2.00		Clay lens with detritus material of gravels and pebbles
	982.00	3.00		
	981.00	4.00		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 depth
	980.00	5.00		
	979.00	6.00		
	978.00	7.00 6.50		
	977.00	8.00		
	976.00	9.00		
	975.00	10.00		
	974.00	11.00		
	973.00	12.00		
	972.00	13.00		
	971.00	14.00		
	970.00	15.00		

0.00~7.00m
Detritus

7.00~
m
F. Rio Chiquito

11.50m
Shear

13.60~14.00m
Shear

15.00m
Shear