

GEOLOGICAL LOG OF CORE DRILL

Project: JICA Study Team: Landslide Protection Page: 1 / 1
 Core Drill #: Y-1 Site Location: By river, left margin, near market Ref. #: C-1
 Elevation: 917.90 Inclination (Angle with respect to Horizontal): _____ Vertical (90°) _____
 Log Elaborated by: Ing. Raul Flores Peñalba Date: October-05, 2001



0.00 ~ 5.50m
Alluvial Sediment



5.50m ~
F. Rio Chiquito
6.50 ~ 12.00m
Sound Rock



12.00m ~
Small Particles Rock

WATER CONTENT END OF DRILLING	ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
	917.90	0.00		
	916.90	1.00		
OCT.4	915.90	2.00		
2.50	914.90	3.00		Alluvial soil mixed with detritus; area of rhyolite boulders with lenses of clay, sands and gravels, low recovery due to high pressure pump utilized to penetrate boulders washes the clayey matrix
3.38	913.90	4.00		
	912.90	5.00		
	911.90	6.00		
	910.90	7.00		
	909.90	8.00		
	908.90	9.00		
	907.90	10.00		
	906.90	11.00		
	905.90	12.00		
	904.90	13.00		
	903.90	14.00		
	902.90	15.00		Rock contact composed of lutite (shale) or sandstone due to small particles of quartz present on nucleus, red color with oxidation in the cracks. Sandstone has a porous face at some intervals

GEOLOGICAL LOG OF CORE DRILL

Project: JICA Study Team: Landslide Protection Page: 1 / 2
Core Drill #: O-2 **Site Location:** By river, right margin, beside gym Ref. #: C-2a
Elevation: 922.40 **Inclination (Angle with respect to Horizontal):** Vertical (90°)
Log Elaborated by: Ing. Raul Flores Peñaiba **Date:** October-07, 2001

WATER CONTENT END OF DRILLING	ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
	922.40	0.00		Topsoil, brown clayey material
	921.40	1.00		Alluvial material; predominantly clayey soil; lenses of boulders and gravels within a clayey matrix; concrete slab from 0.45 to 0.60 m, clay is feasible and red colored
	920.40	2.00		
	919.40	3.00		
	918.40	4.00		
	917.40	5.00		
	916.40	6.00		Possible rock contact composed of sandstone due to small particles of quartz present on core, material is not completely lithified but rather disintegrated, red color
	915.40	7.00		
	914.40	8.00		
	913.40	9.00		
	912.40	10.00		
	911.40	11.00		
	910.40	12.00		
	909.40	13.00		
	908.40	14.00		
	907.40	15.00		

0.45 ~ 5.00m
alluvial material and artificial rock

5.00 ~ m
F. Rio Chiquito

7.80 ~ 9.20m
Fracture

14.50 ~ 17.00m
Fracture zone ?



GEOLOGICAL LOG OF CORE DRILL

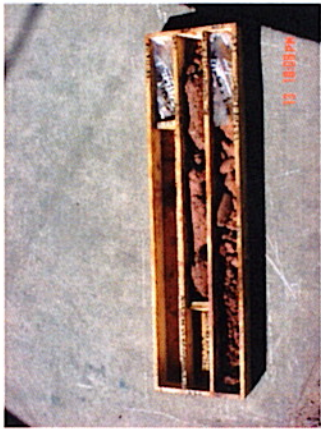
Project: JICA Study Team: Landslide Protection Page: 1 / 1
 Core Drill #: O-1 Site Location: By river, right margin, beside gym Ref. #: C-2b
 Elevation: 922.40 Inclinacion (Angle with respect to Horizontal): Vertical (90°)
 Log Elaborated by: Ing. Raul Flores Peñalba Date: October 04, 2001

WATER CONTENT END OF DRILLING	STANDARD PENETRATION TEST (SPT) N-VALUES FOR 30 CM.	ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)			
						10	15	20
2.00	7	922.40	0.00		Topsoil, brown clayey material			
	7	921.40	1.00		Alluvial material; predominantly clayey soil; lenses of boulders and gravels within a clayey matrix, feasible and red colored			
	7	920.40	2.00					
	9	919.40	3.00		Possible rock contact composed of sandstone due to small particles of quartz present on core, material is not completely lithified but rather disintegrated, red color			
	11	918.40	4.00					
	13	917.40	5.00		Bottom of Borehole			
	13	916.40	6.00					
	13	915.40	7.00					
	13	914.40	8.00					



C-2b 0.00-1.00m

1.00~5.00m
alluvial material



C-2b 6.00-8.00m

5.00~ m
F. Rio Chiquito (weathered rock)