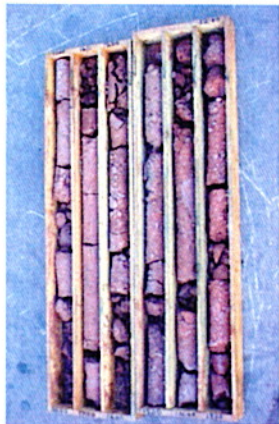


GEOLOGICAL LOG OF CORE DRILL

Project: JICA Study Team: Landslide Protection Page: 2 / 3
Core Drill #: O-3 Site Location: Lower middle Terrace facing gym Ref. #: B-3
Elevation: 942.40 Inclination (Angle with respect to Horizontal): Vertical (90°)
Log Elaborated by: Ing. Raul Flores Peñalba Date: October 27, 2001

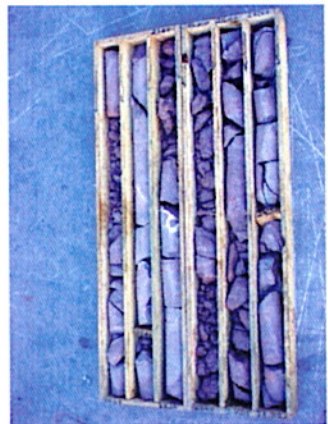
WATER CONTENT END OF DRILLING	ELEVATION (m)	DRILL DEPTH (m)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
	927.40	15.00		
	911.40	16.00		Clay lens with deilitus material of sands, gravels and pebbles
	910.40	17.00		
	909.40	18.00		
	908.40	19.00		
	907.40	20.00		Rock contact composed of lutite (shale) or sandstone due to small particles of quartz present on core, red color with white bands of gypsum
	906.40	21.00		
	905.40	22.00		Solid Interval
	904.40	23.00		
	903.40	24.00		Fractured Interval
	902.40	25.00		
	901.40	26.00		Solid Interval
	900.40	27.00		
	899.40	28.00		
	898.40	29.00		
	897.40	30.00		



B-3 12.00-18.00m



B-3 18.00-24.00m



B-3 24.00-30.00m

20.25~ m
F. Rio Chiquito

26.00~27.30m
shear zone

GEOLOGICAL LOG OF CORE DRILL

Project: JICA Study Team: Landslide Protection Page: 1 / 2
 Core Drill #: Y-4 Site Location: Mini-slide, facing gym Ref. #: B-4
 Elevation: 929.50 Inclination (Angle with respect to Horizontal): Vertical (90°)
 Log Elaborated by: Ing. Raul Flores Perálba Date: October 20, 2001

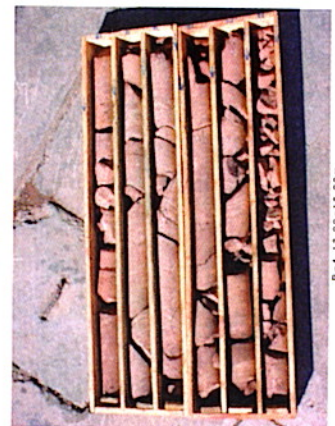
WATER CONTENT END OF DRILLING	ELEVATION (m)	DRILL DEPTH (m)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
	929.50	0.00		
	928.50	1.00		Topsoil, with organic contamination, brown color
	927.50	2.00		
	926.50	3.00		
	925.50	4.00		
	924.50	5.00		
	923.50	6.00		
	922.50	7.00		Detritus; area of rhyolite boulders interbedded within lenses of clay
	921.50	8.00		
	920.50	9.00		
	919.50	10.00		
	918.50	11.00		
	917.50	11.55		
	917.00	12.00		
OCT.12	916.50	13.00		
13.20	915.50	14.00		
	914.50	15.00		Rock contact composed of lutite (shale) or sandstone due to small particles of quartz present on core, red color with white bands of gypsum



2.00~11.55m
Detritus



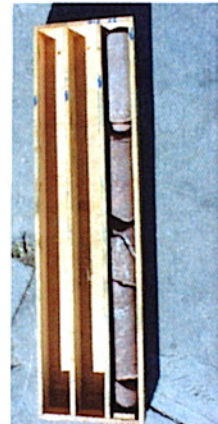
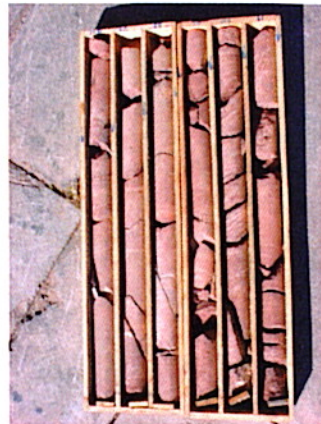
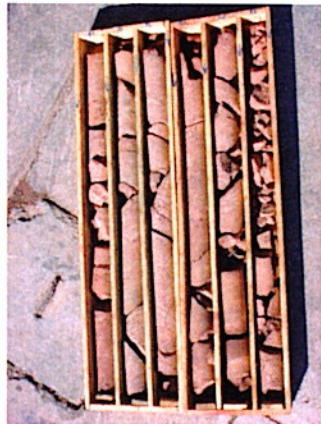
12.00~ m
sound rock



11.50~ m
F. Rio Chiquito

GEOLOGICAL LOG OF CORE DRILL

Project: JICA Study Team: Landslide Protection Page: 2 / 2
Core Drill #: Y-4 Site Location: Mini-slide, facing gym Ref. #: B-4
Elevation: 929.50 Inclination (Angle with respect to Horizontal): Vertical (90°)
Log Elaborated by: Ing. Raul Flores Peñalba Date: October 20, 2001



WATER CONTENT END OF DRILLING	ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
	914.50	15.00		
	898.50	16.00		Rock composed of lutite (shale) or sandstone due to small particles of quartz present on core, red color with white bands of gypsum
	897.50	17.00		
	896.50	18.00		
	895.50	19.00		
	894.50	20.00		
	893.50	21.00		
	892.50	22.00		
	891.50	23.00		
	890.50	24.00		
	889.50	25.00		
				Bottom of Borehole