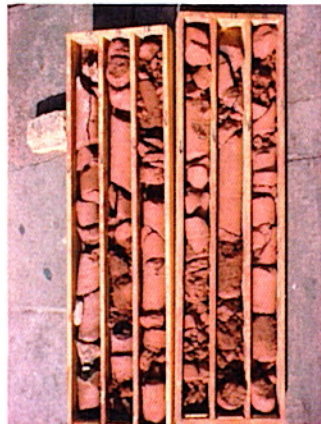


GEOLOGICAL LOG OF CORE DRILL

Project: JICA Study Team: Landslide Protection Page: 2 / 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 Peñaiba **Date:** November 20, 2001



16.70~
Shear m



21.20m
Shear
22.80m
Shear



WATER CONTENT END OF DRILLING		ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
		970.00	15.00	[Pattern]	
		954.00	16.00	[Pattern]	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
		953.00	17.00	[Pattern]	
		952.00	18.00	[Pattern]	
		951.00	19.00	[Pattern]	
		950.00	20.00	[Pattern]	
		949.00	21.00	[Pattern]	
		948.00	22.00	[Pattern]	
		947.00	23.00	[Pattern]	
		946.00	24.00	[Pattern]	
		945.00	25.00	[Pattern]	
					Bottom of Borehole

GEOLOGICAL LOG OF CORE DRILL

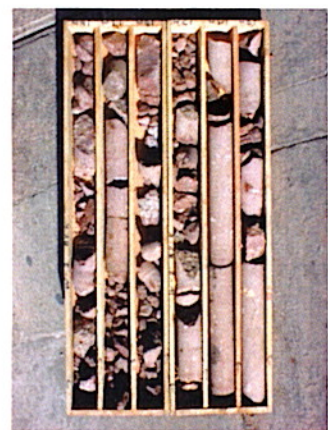
Project: JICA Study Team: Landslide Protection **Page:** 1 / 3
Core Drill #: O-5 **Site Location:** Upper Terrace near: El Poryenir **Ref. #:** W-2
Elevation: 975.60 **Inclination (Angle with respect to Horizontal):** Vertical (90°)
Log Elaborated by: Ing. Raul Flores Perfalba **Date:** November 14, 2001



W-2 00 00-06 00m



W-2 06 00-12 00m



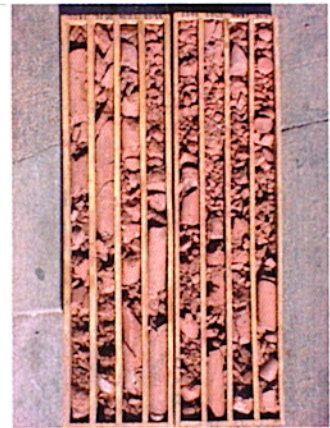
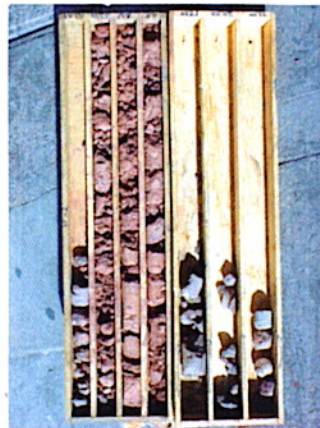
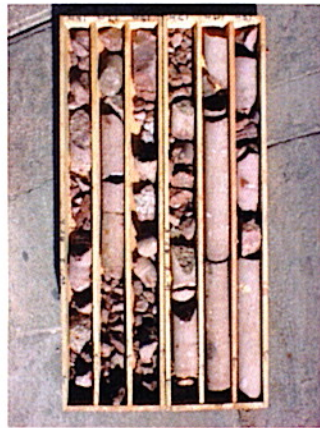
W-2 12 00-18 00m

2.00-22.00m
 Detritus (Boulders)
 Removal soil?

WATER CONTENT OF DRILLING	ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
	975.60	0.00	[Symbol]	
	974.60	1.00	[Symbol]	Topsoil with organic contamination, clayey matrix
	973.60	2.00	[Symbol]	
	972.60	3.00	[Symbol]	
	971.60	4.00	[Symbol]	
	970.60	5.00	[Symbol]	
	969.60	6.00	[Symbol]	
	968.60	7.00	[Symbol]	
	967.60	8.00	[Symbol]	
	966.60	9.00	[Symbol]	
	965.60	10.00	[Symbol]	
	964.60	11.00	[Symbol]	
	963.60	12.00	[Symbol]	
	962.60	13.00	[Symbol]	
	961.60	14.00	[Symbol]	
	960.60	15.00	[Symbol]	Detritus; area of rhyolite boulders with small lenses of clay

GEOLOGICAL LOG OF CORE DRILL

Project: JICA Study Team: Landslide Protection Page: 2 / 3
Core Drill #: O-5 Site Location: Upper Terrace near El Porvenir Ref. #: W-2
Elevation: 975.60 Inclination (Angle with respect to Horizontal): Vertical (90°)
Log Elaborated by: Ing. Raúl Flores Peñalba Date: November 14, 2001

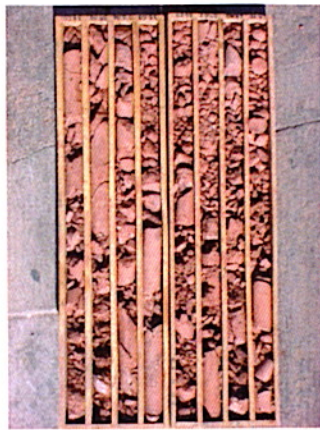


WATER CONTENT END OF DRILLING	ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
	960.60	15.00	[Pattern]	
	944.60	16.00	[Pattern]	
	943.60	17.00	[Pattern]	
NOV. 13	942.60	18.00	[Pattern]	Deftius; area of rhyolite boulders with small lenses of clay
18.10	941.60	19.00	[Pattern]	
	940.60	20.00	[Pattern]	
	939.60	21.00	[Pattern]	
	938.60	22.00	[Pattern]	
	937.60	23.00	[Pattern]	Altered zone of the rock contact beneath, desintegrated lutilla (shale) or sandstone
	936.60	24.00	[Pattern]	
	935.60	25.00	[Pattern]	
	934.60	26.00	[Pattern]	
	933.60	27.00	[Pattern]	Rock composed of lutilla (shale) or sandstone due to small particles of quartz present on core, red color with white bands of gypsum
	932.60	28.00	[Pattern]	
	931.60	29.00	[Pattern]	
	930.60	30.00	[Pattern]	

22.00~25.00m
 Altered F. Rio Chiquito
 F. Rio Chiquito small particles
 (Shear zone)

GEOLOGICAL LOG OF CORE DRILL

Project: JICA Study Team: Landslide Protection Page: 3 / 3
 Core Drill #: O-5 Site Location: Upper Terrace near El Porvenir Ref. #:
 Elevation: 975.60 Inclination (Angle with respect to Horizontal): Vertical (90°)
 Log Elaborated by: Ing. Raul Flores Peñalba Date: November 14, 2001



WATER CONTENT END OF DRILLING		ELEVATION (M)	DRILL DEPTH (M)	GRAPHIC LOG	CLASSIFICATION AND PHYSICAL CONDITION (COLOR)
		930.60	30.00		
		899.60	31.00		Rock composed of lutite (shale) or sandstone due to small particles of quartz present on core, red color with white bands of gypsum
		898.60	32.00		
		897.60	33.00		
		896.60	34.00		
		895.60	35.00		
Bottom of Borehole					