

DATE	SAMPLING	DEPTH	ELEVATION	COLUMN SECTION	DESCRIPTION	GROUND WATER LEVEL	ROCK GRADE	CORE RECO VERY %	R Q D		WATER PRESSURE TEST LUGEON VALUE
									%	0	
		1						100	0	0	
		2	155.046		TOP SOIL, blackish brown			100	0	0	
		3						100	0	0	
		4			TUFF. SANDSTONE, coarse grained, soft, brown		CL-L	100	0	0	
		5	153.696		CONGLTIC SANDSTONE, soft, brown		CL-L	100	0	0	
		6	152.146		SANDSTONE, fine - medium grained, dense, brown		CL-L	100	0	0	
		7	151.496		CONGLTIC SANDSTONE, very soft, brown		D	100	0	0	
		9	149.046					100	0	0	
		10			VOLC. CONGLOMERATE, poor cemented, brown		D	100	0	0	
		11	147.046		CONGLTIC SANDSTONE, compact, brown		CL-H	100	0	15	
		12	146.596		VOLC. CONGLOMERATE, compact, brown		CL-L	100	0	14	
		13	145.146		CONGLOMERATE, loose, brownish grey		D	100	0	10	
		14	143.046		TUFF. SANDSTONE, c. grained, compact, grey		CL-L	100	0	10	
		15	142.546		CONGLOMERATE, compact, brownish grey		CL-L	100	0	15	
		16	142.046		SANDSTONE, c. grained, compact, brownish grey		CL-L	100	0	0	
		17	141.546		TUFF. SANDSTONE, f. grained, compact, grey		CL-L	100	0	0	
		18	141.046		CONGLOMERATE, compact, blackish grey		CL-L	100	0	0	
		19	140.546					100	0	0	
		20	138.046					100	0	0	
		21			TUFFACEOUS SANDSTONE, fine grained, compact, greyish brown		CL-H	100	0	20	
		22						100	0	10	
		23	135.046		CONGLTIC SANDSTONE, compact, greyish brown		CL-H	100	0	10	

PROJECT: JATIBARANG DAM
 SITE: COORDINATE X: 9222.227.643 Y: 428357137
 CLIENT: DAMSIE JICA DATE: Jan. 12, 1998 till Jan. 21, 1998
 DEPTH: 40.00 M. ELEVATION: 153.146 M.
 INCLINATION: VERICAL DRILL RIG: TONE UD-S
 DRILLED BY: SUMARTONO LOGGED BY: DIKIPRANOWO

JANUARY 12, 1998
 JAN. 13, 1998
 JAN. 14, 1998
 JAN. 15
 JAN. 16
 JAN. 17
 JAN. 18
 JAN. 19
 JAN. 20
 JAN. 21
 JAN. 22
 JAN. 23

DATE	DEPTH (m)	ROCK QUALITY DESIGNATION	DESCRIPTION	PERCENTAGE
JAN. 16, 1998	15.00	CL-L	SANDSTONE, c. grained, compact, brownish grey	100
JAN. 16, 1998	15.30	CL-L	TUFF SANDSTONE, f. grained, compact, grey	0
JAN. 16, 1998	16.00	CL-L	CONGLOMERATE, compact, blackish grey	20
JAN. 16, 1998	17.00	CL-L	CONGLOMERATE, compact, blackish grey	0
JAN. 16, 1998	18.00	CL-L	CONGLOMERATE, compact, blackish grey	0
JAN. 16, 1998	19.00	CL-L	CONGLOMERATE, compact, blackish grey	0
JAN. 16, 1998	20.00	CL-L	CONGLOMERATE, compact, blackish grey	0
JAN. 16, 1998	21.00	CL-H	TUFFACEOUS SANDSTONE, fine grained, compact, greyish brown	100
JAN. 16, 1998	22.00	CL-H	TUFFACEOUS SANDSTONE, fine grained, compact, greyish brown	10
JAN. 16, 1998	23.00	CL-H	CONGLTIC S' STONE, compact, greyish brown	100
JAN. 16, 1998	24.00	CL-H	TUFF SANDSTONE, coarse grained, compact, brown	15
JAN. 16, 1998	25.00	CM-L	CONGLTIC S' STONE, compact, greyish brown	100
JAN. 16, 1998	26.00	CL-H	SANDSTONE, coarse grained, compact, brown	100
JAN. 16, 1998	26.80	CL-H	SANDY TUFF, compact, brown	39
JAN. 16, 1998	27.00	CL-H	CONGLTIC S' STONE, compact, blackish grey	100
JAN. 16, 1998	27.50	CL-H	SANDSTONE, c. grained, compact, blackish grey	100
JAN. 16, 1998	27.60	CL-H	TUFF S' STONE, medium grained, compact, brown	10
JAN. 16, 1998	28.00	CL-L	CONGLOMERATE, poor cemented, mixed with gravels Ø 1 - 5 cm, brownish grey	100
JAN. 16, 1998	29.00	CL-L	CONGLOMERATE, poor cemented, mixed with gravels Ø 1 - 5 cm, brownish grey	25
JAN. 16, 1998	30.00	CL-H	SANDSTONE, fine grained, compact, brown	100
JAN. 16, 1998	30.80	CL-H	SANDY TUFF, medium grained, compact, brown	10
JAN. 16, 1998	31.80	CL-H	VOLC. BRECCIA, compact, grey	100
JAN. 16, 1998	32.00	CL-H	VOLC. BRECCIA, compact, grey	40
JAN. 16, 1998	33.00	CL-H	VOLC. BRECCIA, compact, grey	30
JAN. 16, 1998	34.00	CL-H	VOLC. BRECCIA, compact, grey	0
JAN. 16, 1998	35.00	CL-H	VOLC. BRECCIA, compact, grey	0
JAN. 16, 1998	36.00	CL-H	VOLC. BRECCIA, compact, grey	0
JAN. 16, 1998	37.00	CL-H	VOLC. BRECCIA, compact, grey	0
JAN. 16, 1998	38.00	CL-H	VOLC. BRECCIA, compact, grey	0
JAN. 16, 1998	39.00	CL-H	VOLC. BRECCIA, compact, grey	0
JAN. 16, 1998	40.00	CL-H	VOLC. BRECCIA, compact, grey	0
JAN. 16, 1998	40.00	CM-H	ANDESITE LAVA, compact, grey	100

END OF DRILLING

* R. Q. D. = Rock Quality Designation = (Total Length of Cylindric Cores longer than 10 cm) / (Total Core Length) x 100 %

* LUGON VALUE is luginmeter under injection water pressure by 10 kgf/cm2

* G. W. L. = Ground Water Level = Height of Spring Water

PROJECT SITE CLIENT	JATIBARANG DAM		DEPTH		INCLINATION DRILLED BY	40.00' V		ELEVATION DRILL RIG	156.474		M
	COORDINATE X: 9222.322.208 Y: 428.206.189		VERTICAL			SUMARTONO			LOGGED BY		
DATE		DATE		CORE RECO VERY		R Q D		WATER PRESSURE TEST		LUGEON VALUE	
DATE		DATE		%		%		LUGEON VALUE		LUGEON VALUE	
SAMPLING	DEPTH	ELEVATION	COLUMN SECTION	DESCRIPTION	GROUND WATER LEVEL	ROCK GRADE	CL-L	CL-L	CL-L	CL-L	CL-L
DEC. 12, 1997	1			TOP SOIL, soft, brown							
DEC. 12, 1997	2										
DEC. 12, 1997	3										
DEC. 12, 1997	4	4.26	152.274								
DEC. 12, 1997	5			TUFF. SANDSTONE, soft, water content, brown		D					
DEC. 12, 1997	6	6.20	150.274								
DEC. 12, 1997	7										
DEC. 12, 1997	8			CONGL. TIC SSTONE, soft, water content, brown		D					
DEC. 12, 1997	9										
DEC. 12, 1997	10	10.20	146.274								
DEC. 12, 1997	11	10.80	145.674	TUFF. SANDSTONE, dense, brown		CL-L					
DEC. 12, 1997	12			CONGL. TIC SANDSTONE, dense, brown		CL-L					
DEC. 12, 1997	13	11.70	144.774								
DEC. 12, 1997	14			TUFF. SANDSTONE, coarse grained, dense, brown		CL-L					
DEC. 12, 1997	15	14.70	141.774	CONGL. TIC SANDSTONE, dense, brown		CL-L					
DEC. 12, 1997	16	15.00	141.474	TUFF. S' STONE, coarse grained, compact, brown		CL-L					
DEC. 12, 1997	17	15.70	140.774	CONGL. TIC SANDSTONE, dense, brown		CL-L					
DEC. 12, 1997	18	16.30	140.174								
DEC. 12, 1997	19	19.30	137.174	TUFF. SANDSTONE, med. grained, compact, brown		CL-L					
DEC. 12, 1997	20	19.60	136.974	CONGL. TIC SANDSTONE, dense, brown		CL-L					
DEC. 12, 1997	21	21.30	135.174	TUFF. SANDSTONE, coarse grained, dense, brown		CL-L					
DEC. 12, 1997	22	22.20	134.274	VOLC. CONGLOMERATE, dense, brown		CL-L					

DATE	DEPTH (m)	DESCRIPTION	UNIT	THICKNESS (m)
DECEMBER 14, 1997	14	△ △ △		20
DECEMBER 15, 1997	15	△ △ △		16
DECEMBER 16, 1997	16	△ △ △		29
DECEMBER 17, 1997	17	△ △ △		25
DECEMBER 18, 1997	18	△ △ △		15
DECEMBER 19, 1997	19	△ △ △		20
DECEMBER 20, 1997	20	△ △ △		10
DECEMBER 21, 1997	20.30	102.255	TUFF. SANDSTONE, med. grained, compact, grey	CL-H
DECEMBER 21, 1997	20.80	101.755		
DECEMBER 22, 1997	22	△ △ △	VOLCANIC BRECCIA, compact, grey	CM-H
DECEMBER 23, 1997	22.70	99.855		
DECEMBER 24, 1997	23	△ △ △	TUFF, compact, brownish grey	CL-H
DECEMBER 25, 1997	25	△ △ △		
DECEMBER 25, 1997	25.20	97.355		
DECEMBER 26, 1997	25.70	96.855	CONGLOMERATIC SANDSTONE, coarse grained, compact, brownish grey	CL-H
DECEMBER 26, 1997	26.00	96.555	TUFF, compact, light brown	CL-H
DECEMBER 27, 1997	27	△ △ △	TUFFACEOUS SANDSTONE, medium grained, compact, light brown	CL-H
DECEMBER 28, 1997	27.20	95.355		
DECEMBER 28, 1997	28.20	94.355	CONGLOMERATIC SANDSTONE, compact, light brown	CM-L
DECEMBER 29, 1997	29	△ △ △	SANDSTONE, med. ~ c. grained, compact, l. brown	CL-H
DECEMBER 29, 1997	29.00	93.555		
DECEMBER 29, 1997	29.20	93.255	CONGLOMERATIC SANDSTONE, compact, light brown	CL-H
DECEMBER 30, 1997	29.30	93.155	SANDSTONE, med. ~ c. grained, compact, l. brown	CL-H
DECEMBER 31, 1997	31	△ △ △	CONGLOMERATIC SANDSTONE, compact ~ dense, light brown with tuffaceous sandstone (30.60 ~ 30.80)	CM-L
DECEMBER 31, 1997	31.45	91.105		
DECEMBER 32, 1997	32	△ △ △	TUFF. CONGLOMERATIC SANDSTONE, coarse grained, compact, light brown	CM-L
DECEMBER 32, 1997	32.40	90.155		
DECEMBER 33, 1997	33	△ △ △	CONGLOMERATIC SANDSTONE, compact, light brown	CM-L
DECEMBER 33, 1997	33.00	89.555		
DECEMBER 33, 1997	33.30	89.255	SANDY TUFF, compact, light brown	CL-H
DECEMBER 33, 1997	33.70	88.855	CONGLOMERATIC SANDSTONE, compact, blackish grey	CL-L
DECEMBER 34, 1997	34	△ △ △	SANDY TUFF, dense ~ compact, light brown	CL-H
DECEMBER 34, 1997	34.20	88.355		
DECEMBER 34, 1997	34.60	87.955	SANDSTONE, fine grained, dense, light brown	CL-H
DECEMBER 35, 1997	35	△ △ △	TUFFACEOUS SANDSTONE, dense, fine grained, light brown	CL-H
DECEMBER 36, 1997	36	△ △ △		
DECEMBER 36, 1997	36.25	86.305		
DECEMBER 37, 1997	37	△ △ △	CONGLOMERATE, poor cemented, blackish grey	CL-L
DECEMBER 39, 1997	39	△ △ △		
DECEMBER 39, 1997	39.00	85.655		
DECEMBER 40, 1997	40	△ △ △	TUFFACEOUS SANDSTONE, coarse grained, dense ~ compact, brownish grey with coarse sandstone (39.80 ~ 40.00)	CL-H
DECEMBER 40, 1997	40.40	82.155		
DECEMBER 41, 1997	41	△ △ △	SANDSTONE, fine ~ med. grained, dense, bl'ish grey	CL-L
DECEMBER 41, 1997	41.00	81.555		
DECEMBER 41, 1997	41.30	81.255	SILTY TUFF, compact, blackish grey	CL-H
DECEMBER 42, 1997	42	△ △ △		
DECEMBER 42, 1997	42.40	80.155		
DECEMBER 43, 1997	43	△ △ △		
DECEMBER 43, 1997	43.40	79.155		

DATE	SAMPLING	DEPTH	ELEVATION	COLUMN SECTION	DESCRIPTION	GROUND WATER LEVEL	ROCK GRADE	CORE RECC VERY %	R Q D %	WATER PRESSURE TEST LUGEON VALUE										
										50	40	30	20	10						
DECEMBER 23, 1997		1			TOP SOIL			100	0											
DECEMBER 24, 1997		2	131.174		CONGLUTIC SSANDSTONE, compact, light grey		CL-L	100	0											
DECEMBER 24, 1997		3	129.674		TUFFACEOUS SANDSTONE, medium grained, compact, light grey with conglitic sandstone (4.20 - 4.50)		CL-L	100	0											
DECEMBER 26, 1997		7	126.474		CONGLUTIC SSANDSTONE, compact, brownish grey		CL-H	100	0											
DECEMBER 26, 1997		8						100	20											
DECEMBER 26, 1997		9						100	40											
DECEMBER 26, 1997		10			TUFFACEOUS SANDSTONE, coarse grained, compact, brown with conglitic sandstone (8.60 - 8.80) & ruff (8.80 - 9.20) & medium - coarse sandstone (9.20 - 9.50 & 9.90 - 10.10)		CL-H	100	49											
DECEMBER 28, 1997		12	120.574		CONGLOMERATIC SANDSTONE, coarse grained, compact, brownish grey		CL-E	100	30											
DECEMBER 28, 1997		13	119.674		TUFF SANDSTONE, c. grained, compact, grey		CL-H	100	17											
DECEMBER 29, 1997		14	119.474					80	12											
DECEMBER 29, 1997		15						100	0											
DECEMBER 29, 1997		16						100	12											
DECEMBER 29, 1997		17						95	15											
DECEMBER 29, 1997		18						100	15											
DECEMBER 29, 1997		19						100	19											
DECEMBER 29, 1997		20						100	25											
DECEMBER 29, 1997		21						90	18											
DECEMBER 29, 1997		22						100	17											
DECEMBER 29, 1997								100	0											

PROJECT: JATIBARANG DAM
 SITE: DAMSITE
 COORDINATE: X: 9222.366.069 Y: 428.391.675
 CLIENT: JICA
 DATE: Dec. 23, 1997 till Jan. 03, 1998
 DEPTH: 50.00 M
 ELEVATION: 133.174 M
 INCLINATION: VERTICAL
 DRILL RIG: TONE UD - 5
 DRILLED BY: KOMARUDIN
 LOGGED BY: DEDIK PRANOWO



