

Table 8.1 - Borehole analyses - Attenuation Dam

BOREHOLE NR.	COLLAR ELEVATION (m)	TRANSPORTED (T)	TRANSPORTED (T) RESIDUAL (R) PEDOCRETE (P)	KAROO (VRYHEID)	DOLERITE (WEATHERED)	DOLERITE (HARD ROCK)	DWYKA	FINES SUBORDINATE (COARSE) (m - m)	FINES PREDOMINANT (m - m)	DOLOMITE RESIDUUM	NO SAMPLE	CAVITY	DOLOMITE BEDROCK (slightly leached) (m - m)	DOLOMITE BEDROCK (hard rock)	DEPTH OF HOLE (m)	GROUNDWATER LEVEL (m)	INGRESS WATER SINKHOLE	INGRESS WATER DOLINE	GROUNDWATER DRAWDOWN SINKHOLE	GROUNDWATER DRAWDOWN DOLINE	IHC CLASS
18/23		0-1,5		1,5-5,5 (Mr, Fe); 5,5-25,5 (Mr); 25,5-33,3 (Mr Carb); 33,5-42,5 (Coal)			42,5-52,5						52,5-55,3	55,3-60	60	47,3	L	L	L	L	1
19/17			0-2,5 (F)	2,5-5 (Mr, Fe); 5-27,5 (Mr); 27,5-30 (Coal); 30-37 (Mr)			37-48,5				48,5-57	48,5-50,2?			57	9,8	L	L	L	L	1
20/12			0-2,5	2,5-22 (Mr)	22-25	25-42	42-60								60	B	L	L	L	L	1
V11		0-1		1-6,5 (Mr Fe); 6,5-25 (Mr); 25-33 (Carb Mr?)			33-37				37-44			38,2-44 (NS)	44	0,3	L	L	L	L	1
V12		0-1		1-5 (Mr, Fe); 5-22 (Mr)			22-37; 37-41,5 (Dol)							41,5-47	47	37,4	L	L	L	L	1
6/18		0-2		2-18,5 (Mr)?			18,5 - 27,9?							27,9 - 40,8; 40,8-50 (w)	50	24,5	L	L	L	L	1
N6/18 (New)				0-18 (Mr)		18-41; 58-60								41-58	60	36,6	L	L	L	L	1
WS1			0-25,5 (Fill)				25,5-26,1								26,1	7,4	L	L	L	L	1
BS1		0-3		3-6 (Mr, Fe); 6-11 Mr; 11-18 (Sd St); 18-19 (Mr); 19-23 (Mr Carb); 23-26 (Mr)			26-28								28	Dry	L	L	L	L	1

Notes: Boreholes 18/23, 19/17, 20/12, V11 and V12 drilled during recent investigations. 6/18 drilled during BKS Area A investigation. N6/18 drilled as a water level monitoring borehole by R Meyer in 2009. Boreholes WS1 and BS1 drilled during investigation of Area B by BKS in 2003 and profiled by J S Stiff/ R Meyer