

FOUR SPRINGS DAM SITE  
GEOLOGICAL LOGS OF BORE HOLE 3 and 4

B.H.3: Located on the proposed spillway

<u>Depth (m)</u>	<u>Recovery</u>	<u>% Recovery</u>	<u>Description</u>	<u>Weathering</u>
0-0.61	.29	48	Brown humic dolerite soil.	Decomposed
0.61-1.22	.25	48	Red, oxidised dolerite clay. Crumbly texture.	Decomposed.
1.22-2.36	.05	5	As above.	Decomposed
2.36-3.89	.59	38	Plastic clay, mottled greys and reds. Gravelly pieces present are probably broken zeolite.	Decomposed
3.89-5.4	.25	16.5	Red coloured crumbly clay.	Decomposed.
5.4-6.9	nearly 0		Traces of grey plastic clay.	Decomposed.
6.9-8.4	.33	22	Dolerite recovered, however much of the core is lost, presumably clay.	Rock pieces, slightly weathered.
8.44-9.96	.13	9	As above	
9.96-11.4	.40	28	As above	
11.4-12.0	.20	34	As above	
12.0-13.52	.8	52	As above.	

B.H.4: Located north of the proposed spillway, south of the rise

0-0.61	.4	65	Brown humic dolerite soil, over orange plastic clay.	Decomposed
.61-1.22	.2	46	Orange plastic clay with slightly weathered dolerite rock kernels.	Decomposed
1.22-1.83	.17	28	Very plastic mottled clay. Light and dark grey, orange and green.	Decomposed.
1.83-2.44	.18	30	Mottled clays, very soft and wet.	
2.44-3.5	.33	31	Crumbly clay, some sandy (zeolite) material. Rock kernels 10 cm diameter.	Rock slightly weathered.
3.5-5.02	.4	26	Very soft, impermeable clay material. Whites, greens and orange coloured. Derived from decomposed zeolite.	Decomposed
5.02-6.54	.35	23	Dolerite derived clay. Rock structure just visible.	Completely weathered.
6.54-8.08	.3	20	Pebble sized dolerite recovered. Much of the core lost, probably clay.	Rock slightly weathered.
8.08-9.6	.2	13	As above.	
9.6-11.2	.15	10	As above	
11.2-12.6	.4	29	As above	
12.6-14.6	.49	25	As above.	