MR2

DIAMOND DRILL LOG:

OBJECTIVE : To test the strike extension of mineralisation found in excavation of the HEC surge tunnel. Interest by D Geary in the sediments at the top of the hole.

RESULT : Interesting only in the clays, 10.5-55m. Similar to the North Lyell Mineralised Clays, but lacking significant mineralisation. Much core loss.The rest of the core was of rhyolite porphyry, which showed no sign of mineralisation nor alteration.

Hole depth: 180m

Hole size: HQ 8-63.7 m
NQ63.7-180 m.

Started: 9th July 2001

Finished: 15th July 2001

Surveys, local grid (AMG).

Depth	Direction	Dip	Depth	Direction	Dip
0.0	294.0	-60.0			
50.0	294.5	-60.0			
100.0	295.0	-60.0			
150.0	295.0	-58.0			
180.0	296.0	-56.5			

COLLAR DIP : -60

DIRECTION : 294.00

NORTHING : 331,014.6N

EASTING : 379,558.1E

HOLE No. : **MR2**

LOCATION : Near HEC Surge Tunnel
Newall Creek

LOGGED BY : Geoff Iliff, 30th Nov 2001

COLLAR RL : 85.8m

FROM	TO	DESCRIPTION	ALT	CD	ROCK TYPE	MINERALISATION
0.0	8.0	No core.				
8.0	10.5	Glacial deposit: cobbles ranging from weathered siliceous volcanics to quartz veins and Owen Conglomerate.				
10.5	55.0	**Sandy clays: possibly weathered dolomite.**			clay	
10.5	25.0	Cream, yellow and very pale grey sandy and gravelly clay. Distinguishable gravel clasts are of quartz. Much core loss.				
25.0	46.0	Grey sandy and gravelly clay. Distinguishable grains are quartz.				Finely disseminated pyrite.
46.0	55.0	Creamy yellowish clay, decribed on a core block as "soft swelling clays". These clays are reminiscent of the Mineralised Clays unit occuring between the chert of the Lyell Schists and the so-called Great Fault of the North Lyell Mine.				
55.0	57.2	Pale grey, porous, scintered quartzite. Occasional quartz veins. Some joint faces are coated with green glauconite.				
57.2	180.0	**Rhyolite porphyry: Clq on 1:50,000 Lyell Sheet.**			porphyry	
57.2	64.0	Mainly cream weathered massive siliceous porphyry, with a mottled grey auto-brecciated section at 61.6-62.1m.				
64.0	180.0	Pale grey to grey-green massive quartz-phyric siliceous rhyolite lava.				
64.0	68.7	Joint faces are iron oxide stained.				
73.0	79.5	Brownish-red massive porphyritic rhyolite.				
81.8	82.4	Light brown massive rhyolite porphyry.				
87.6	87.8	Broken, faulted. Direction indeterminate.				
94.2	94.4	Big puggy, brecciated fault. Broken zone to 97m.				
133.4	133.8	Massive quartz vein.				
138.3	154.0	Mostly massive brown rhyolite porphyry, greenish grey between.				
166.4	166.5	Fault pug,in a broken zone from 165.5-166.6m.				
	180.0	End of hole.				

SAMPLE NO.	FROM	TO	Length	Pb %	Zn %	Cu %	Ag g/t	Au g/t	Fe %	$	To	RQD%
MR2-1	13.00	16.00	3.0	0.002	0.012	0.002	<5	<0.01	0.72			
MR2-2	16.00	19.00	3.0	0.008	0.020	0.003	<5	<0.01	0.84			
MR2-3	19.00	22.00	3.0	0.009	0.012	0.001	<5	<0.01	0.70			
MR2-4	22.00	25.00	3.0	0.015	0.004	0.001	<5	<0.01	0.69			
MR2-5	25.00	28.00	3.0	0.039	0.094	0.003	<5	<0.01	3.07			
MR2-6	31.00	34.00	3.0	0.063	0.084	0.007	<5	<0.01	4.69			
MR2-7	34.00	37.00	3.0	0.021	0.090	0.003	<5	<0.01	3.18			
MR2-8	37.00	40.00	3.0	0.040	0.123	0.001	<5	<0.01	3.35			
MR2-9	40.00	43.00	3.0	0.043	0.043	0.001	<5	<0.01	1.91			
MR2-10	43.00	46.00	3.0	0.110	0.058	0.002	<5	<0.01	2.56			
MR2-11	49.00	52.00	3.0	0.001	0.005	0.004	<5	<0.01	2.17			
MR2-12	52.00	55.00	3.0	0.004	0.007	0.003	<5	<0.01	1.89			
MR2-13	55.00	57.00	2.0	0.020	0.001	<0.001	<5	<0.01	0.66			