

LOCATION	E.L. 1/62 MT. BLACK - Ring River Grid	TOTAL DEPTH	568.5m	03			02				
OBJECTIVE	To test a large magnetic anomaly which modelling had indicated could be due to a discrete mineralisation source.	HOLE SIZE	HQ 90m; NQ 345m; BQ 568.5m	8-12 Depth(M)	13-16 Direction	17-18-21 Dip.	8-12 Depth(M)	13-16 Direction	17-18-21 Dip.	ORE DIP. (8-11)	
RESULT	Weak Fe-As-Ag sulphides intersected in a fault zone. Neither the mineralisation nor the lithologies encountered can account for the magnetic anomaly.	COMMENCED	3rd June, 1983	43m	079 °	-60 °	274m	082.5 °	-58 °	COLLAR DIP. (12-15)	-60 °
		COMPLETED	16th July, 1983	85m	079 °	-58.5 °	330m	081 °	-58 °	DIRECTION (16-19)	080 ° A.M.G.
		LOGGED BY	I.R. McDonald	118m	080 °	-59 °	385m	083 °	-58.5 °	R.L. (20-23)	440.9m
				180m	078 °	-59 °	473m	081 °	-59 °	CO-ORDS. 5,367,087.4mN 374,114.5mE	
				250m	080 °	-58.5 °	565m	086 °	-59 °	LOCATION	

FOOTAGE		ROCK DESCRIPTION	MINERALISATION	04							ASSAY DATA					CORE REC'D	
FROM	TO			SAMPLE No.	8-13 FROM	14-19 TO	CORE REC'D	Sample Length	20-25 Pb%	26-31 Zn%	32-37 Cu%	38-43 Ag - g/t	44-49 Au - g/t	50-55 Fe%	RUN	SHORT	
0	31.5	Zone of oxidation and broken core. Iron oxide staining abundant, especially in finer grained rocks. Core loss average 30% over total interval; more lost from finer-grained rocks.												5.0	4.5		
														6.3	0.5		
														7.9	1.2		
														11.8	0.2		
														12.2	-		
0	9.3	Very broken iron stained dark grey siltstone with clasts and disrupted laminae of pale grey fine grained sandstone. Solution pits and cavities after carbonate veins are common.												13.0	-		
														13.7	0.2		
														15.7	1.0		
														16.4	-		
9.3	11.5	Pale grey mg massive quartz arenite with iron oxide staining on joint surfaces and thin carbonate veins now largely trails of solution cavities.												19.1	1.9		
														24.3	-		
														25.0	0.2		
														25.9	0.2		
														30.2	-		
11.5	20.1	Very broken core largely iron oxide stained dark grey siltstone as per 0-9.3m with scattered larger fragments of quartzite representing thin bands as per 9.3-11.5m 16.5-19.5 Fragments of soft greenish grey cleaved chlorite spotted mudstone.												31.7	0.1		
														93.2	-		
														94.2	0.4		
														95.1	0.2		
														96.2	0.2		
														568.5	-		
20.1	22.0	Pale grey f-mg quartz Arenite as per 9.3-11.5															
22.0	24.8	Breccia. Disrupted laminae of dark grey to black siltstone and pale grey f-mg. Quartz sandstone and pale grey fg lithic arenite. The dark siltstone forms a matrix to clasts and disrupted beds of sandstone. Locally bedding is less disrupted and varies from 5 to 50°															
24.8	27.2	Pale grey f-mg Quartz Arenite as per 9.3-11.5															
27.2	28.7	Grey f-mg lithic arenite. Quartz-feldspathic volcanic liths plus black mudstone liths. Core weakly oxidised and very broken.															

ASSAY RESULTS FOR DDH RRP 239Results in ppm

Sample No.	From	To	Sample Length	Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe%	Cr
57924	8.0	8.5	0.5	8			85	X	30	265	60	170	3.35	55
57925	10.0	10.5	0.5	8			51	0.5	50	35	40	240	1.00	40
57926	16.0	16.5	0.5	6			51	X	55	110	40	240	1.56	40
57927	21.0	21.5	0.5	X			4	X	20	5	35	115	0.55	25
57928	23.0	23.5	0.5	X			39	0.5	25	45	40	65	1.70	20
57929	28.0	28.5	0.5	X			14	X	25	5	35	260	0.80	40
57930	32.0	32.5	0.5	X			14	X	10	65	40	680	2.15	40
57931	35.0	35.5	0.5	X			14	0.5	15	45	105	2950	5.85	35
57932	39.5	40.0	0.5	X			9	X	5	20	45	1450	5.20	20
57933	46.0	46.5	0.5	X			77	0.5	95	25	35	1050	2.95	25
57934	55.0	55.5	0.5	X			47	X	75	5	35	1000	3.55	25
57935	65.0	65.5	0.5	3			51	0.5	50	5	35	640	2.95	20
57936	70.0	70.5	0.5	X			7	X	10	15	30	900	3.15	25
57937	81.0	81.5	0.5	X			25	X	80	10	20	870	3.10	20
57938	89.0	89.5	0.5	X			72	X	100	10	35	830	3.45	15
57939	100.0	100.5	0.5	X			8	X	20	15	35	900	1.60	100
57940	104.5	105.0	0.5	X			11	X	15	40	30	710	1.40	60
57941	115.0	115.5	0.5	X			20	X	20	25	50	880	3.00	40
57942	122.5	123.0	0.5	X			12	X	170	10	90	950	4.40	50
57943	123.5	124.0	0.5	X			11	X	30	10	75	1100	3.15	40
57944	130.0	130.5	0.5	X			11	X	15	5	35	1050	2.45	35
57945	136.0	136.5	0.5	X			20	X	145	205	140	2950	5.25	50
57946	140.0	140.5	0.5	X			25	X	20	30	50	1050	3.10	35
57947	150.0	150.5	0.5	X			17	X	30	25	35	550	2.30	35
57948	158.0	158.5	0.5	X			88	X	30	55	60	650	2.25	35
57949	167.6	168.0	0.4	6			54	X	30	15	30	3050	3.15	65
57950	169.0	169.5	0.5	5			68	0.5	10	20	45	1600	3.30	50
57951	171.0	171.5	0.5	X			91	X	20	40	45	1500	2.10	40
57952	175.0	175.5	0.5	X			74	X	15	15	20	830	2.05	30
57953	179.5	180.0	0.5	X			24	X	20	15	30	710	2.25	80
57954	185.0	185.5	0.5	X			52	X	35	25	20	190	1.95	30
57955	191.0	191.5	0.5	X			34	X	45	X	35	650	2.95	50
57956	195.0	195.5	0.5	X			19	X	15	X	25	560	3.40	55
57957	205.5	206.0	0.5	X			26	X	25	15	115	960	3.20	45
57958	212.0	212.5	0.5	X			2	X	10	45	45	740	2.15	95
57959	215.0	215.5	0.5	X			12	X	20	X	45	390	3.20	260
57960	216.5	217.0	0.5	X			10	X	10	10	50	600	2.10	575

Results in ppm

Sample No.	From	To	Sample Length	Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe%	Cr
57961	225.5	226.0	0.5	X			34	X	15	15	40	1400	3.20	30
57962	230.0	230.5	0.5	X			40	X	5	35	35	1350	2.20	25
57963	237.0	237.5	0.5	X			210	0.5	40	30	85	3500	5.25	40
57964	241.0	241.5	0.5	X			41	0.5	5	20	110	5800	8.70	65
57965	245.0	245.5	0.5	X			38	1.0	185	25	120	1.15%	8.70	375
57966	250.0	250.5	0.5	X			22	X	20	20	95	3200	8.15	95
57967	252.0	252.5	0.5	X			9	X	10	15	85	2050	7.15	70
57968	259.0	259.5	0.5	X			62	4.0	200	60	90	4500	7.25	65
57969	261.0	261.5	0.5	X			41	0.5	20	30	125	6500	11.50	255
57970	265.0	265.5	0.5	X			4	X	10	20	85	3510	7.55	85
57971	268.0	268.5	0.5	X			1	X	10	15	70	970	5.95	85
57972	275.0	275.5	0.5	X			2	0.5	45	15	55	785	3.45	135
57973	280.0	280.5	0.5	X			9	X	110	X	65	310	3.60	90
57974	285.0	285.5	0.5	X			10	X	20	X	60	910	4.25	55
57975	291.0	291.5	0.5	X			2	X	35	X	65	820	4.3	65
57976	296.0	296.5	0.5	X			11	X	30	40	125	2550	3.70	55
57977	297.5	298.0	0.5	X			6	0.5	45	35	160	5050	4.95	50
57978	300.0	300.5	0.5	X			13	0.5	20	10	125	1410	2.30	105
57979	304.0	304.5	0.5	X			13	0.5	20	X	75	2200	4.20	80
57980	306.0	306.5	0.5	X			20	0.5	45	35	70	5510	6.10	50
57981	310.0	310.5	0.5	X			36	0.5	40	5	75	1480	2.60	30
57982	316.0	316.5	0.5	X			21	0.5	35	5	40	2510	3.20	100
57983	323.0	323.5	0.5	X			7	X	30	X	50	2650	2.95	80
57984	330.0	330.5	0.5	11			21	0.5	10	20	50	5200	2.95	110
57985	335.0	335.5	0.5	X			55	0.5	35	15	85	6000	6.30	30
57986	340.0	340.5	0.5	X			23	X	35	5	70	830	4.25	55
57987	345.0	345.5	0.5	X			13	X	45	5	65	870	4.00	65
57988	350.0	350.5	0.5	X			9	0.5	20	15	75	2100	4.00	30
57989	356.0	356.5	0.5	X			12	1.0	50	X	85	1200	6.05	95
57990	360.0	360.5	0.5	X			16	0.5	165	X	120	1250	6.00	70
57991	367.0	367.5	0.5	X			4	X	90	10	80	2400	5.65	50
57992	373.5	374.0	0.5	X			13	0.5	140	30	105	2050	5.75	60
57993	379.0	379.5	0.5	X			16	0.5	125	10	85	1250	6.10	95
57994	382.5	383.0	0.5	X			16	1.0	55	X	65	6900	5.90	50
57995	385.0	385.5	0.5	X			56	1.5	260	35	100	1.20%	7.45	65
57996	389.0	389.5	0.5	X			58	0.5	15	X	90	5500	6.85	110
57997	391.5	392.0	0.5	X			19	0.5	30	X	30	780	2.05	60
57998	394.0	394.5	0.5	X			6	0.5	10	X	90	1250	2.95	90

ASSAY RESULTS FOR DDH RRP 239

Results in ppm

Sample No.	From	To	Sample Length	Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe%	Cr
57999	397.0	397.4	0.4	X			22	1.0	10	X	20	490	1.85	30
S57902	397.4	397.9	0.5	16	X	X	1800	X	135	5	20	1200	1.90	75
S57903	397.9	398.3	0.40	14	X	X	150	X	20	X	15	190	1.20	35
S57904	398.3	399.0	0.70	4	X	0.08	280	3	55	10	15	160	1.65	75
S57905	399.0	399.35	0.35	X	X	0.07	250	2	80	X	15	360	1.15	150
S57906	399.35	399.70	0.35	11	X	0.07	2200	64	195	155	20	265	3.10	85
S57907	399.70	400.40	0.70	24	X	0.04	2100	52	75	140	15	230	1.25	130
S57908	400.4	400.7	0.30	39	X	0.13	2.15%	17	1250	15	25	820	7.05	105
S57909	400.7	401.4	0.70	22	X	0.06	1.85%	193	455	390	15	190	3.30	65
S57910	401.4	402.2	0.80	11	X	0.03	950	5.5	40	25	15	75	1.15	25
S57911	402.2	402.9	0.70	27	X	0.18	2.10%	84	125	520	15	495	2.65	80
S57912	402.9	403.3	0.40	X	X	0.60	850	2	60	10	15	455	1.45	235
S57913	403.3	403.9	0.60	16	X	0.04	520	5	50	50	25	265	1.80	75
S57914	403.9	404.15	0.25	72	X	0.07	640	19	235	200	20	750	4.05	55
S57915	404.15	404.5	0.35	26	11	0.13	2300	1.5	335	30	40	1250	5.50	65
S57916	404.5	405.3	0.8	14	15	0.10	9200	1.0	90	15	95	6000	11.00	75
58000	405.3	406.0	0.7	8			15	0.5	40	15	90	1.35%	8.40	90
58001	407.0	407.5	0.5	X			99	0.5	50	X	90	4800	5.80	115
58002	410.0	410.5	0.5	X			14	X	40	X	55	740	3.60	40
58003	413.0	413.5	0.5	X			1	X	15	X	90	2200	8.65	45
58004	417.0	417.5	0.5	X			4	0.5	40	20	90	1850	6.50	45
58005	424.0	424.5	0.5	X			4	0.5	20	20	105	1350	7.95	45
58006	429.5	430.0	0.5	X			4	X	105	10	125	1150	8.65	80
58007	433.0	433.5	0.5	X			2	2.0	90	5	90	710	6.25	100
58008	440.0	440.5	0.5	X			3	X	65	10	120	1150	6.35	110
58009	445.0	445.5	0.5	X			9	0.5	20	15	120	1800	6.50	195
58010	447.0	447.5	0.5	X			180	0.5	165	15	120	3000	8.25	520
58011	449.0	449.5	0.5	X			7	0.5	90	15	190	2700	5.35	320
58012	454.0	454.5	0.5	X			3	X	55	15	150	1350	7.10	450
58013	460.0	460.5	0.5	X			6	0.5	85	20	185	1450	7.90	435
58014	464.5	465.0	0.5	X			2	X	175	40	995	1750	6.55	250
58015	467.0	467.5	0.5	X			16	0.5	160	10	170	1150	8.40	450
58016	472.0	472.5	0.5	X			14	X	80	10	145	2300	7.40	380
58017	478.0	478.5	0.5	X			3	X	185	10	150	740	8.60	320
58018	481.0	481.5	0.5	X			26	0.5	90	25	150	1650	7.75	490
58019	483.0	483.5	0.5	X			3	X	130	15	1650	1600	5.60	240
58020	485.0	485.5	0.5	X			6	0.5	110	15	230	1100	7.05	255
58021	489.0	489.5	0.5	X			12	X	170	20	100	740	6.25	80

ASSAY RESULTS FOR DDH RRP 239

Results in ppm

Sample No.	From	To	Sample Length	Sn	W	Au	As	Ag	Cu	Pb	Zn	Mn	Fe%	Cr
58022	493.0	493.5	0.5	X			3	X	100	10	145	1700	8.60	375
58023	496.0	496.5	0.5	X			33	0.5	125	40	140	990	7.85	300
58024	498.5	499.0	0.5	X			36	0.5	85	20	90	1800	8.25	210
58025	500.0	500.5	0.5	X			13	X	90	10	120	1600	8.80	310
58026	501.5	502.0	0.5	X			7	X	100	15	110	1650	8.05	110
58027	505.5	506.0	0.5	X			60	X	150	15	110	2000	8.95	300
58028	510.0	510.5	0.5	X			21	0.5	200	30	60	2550	8.10	44
58029	515.0	515.5	0.5	X			150	X	130	5	120	1500	9.00	310
S57917	518.7	519.7	1.00	3	X	0.03	400	7.5	2850	X	165	6400	6.50	375
S57918	519.7	520.3	0.60	X	X	0.12	140	X	195	5	130	6400	8.40	425
S57919	520.3	521.0	0.70	X	30	0.08	90	X	140	X	125	5500	9.45	470
S57920	521.0	521.6	0.60	19	55	0.65	2700	X	10	X	110	3400	11.00	245
S57921	521.6	521.95	0.35	11	X	0.03	15.0%	0.5	80	5	65	3400	7.20	190
S57922	521.95	522.6	0.65	26	38	0.06	1300	X	60	X	130	5100	11.00	210
S57923	522.6	523.3	0.70	26	X	0.005	320	X	110	X	95	3400	7.65	165
58030	525.0	525.5	0.5	X			47	X	90	5	110	2250	7.45	280
58031	528.5	529.0	0.5	X			1.0%	1.5	270	25	85	3700	7.55	355
58032	533.0	533.5	0.5	X			180	1.0	120	40	60	1350	7.95	150
58033	540.0	540.5	0.5	X			71	1.0	145	35	55	1400	7.60	100
58034	546.5	547.0	0.5	X			18	X	190	5	70	680	7.45	50
58035	549.0	549.5	0.5	X			23	X	45	5	60	770	8.15	85
58036	551.0	551.5	0.5	X			8	0.5	900	X	55	1950	6.95	140
58037	553.0	553.5	0.5	X			63	1.0	50	30	55	1200	7.40	120
58038	556.0	556.5	0.5	11			39	0.5	15	35	15	180	1.90	20
58039	562.0	562.5	0.5	X			19	X	15	5	15	360	1.60	20