COMPANY: Golden Triangle
PROJECT: Main Creek Magnesite
HOLE NUMBER: MC 29

Commenced:	21 Jan 98
Completed:	04 Feb 98
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
.To test the southern end of the Bowry magnesite deposit in the immediate footwall of the Long Plains magnetite deposit.

Comments on Completion
a 20m. intersection, 17m. estm. true thickness, of high grade magnesite was intersected near the FW of a 206 m (ETT) thick carbonate unit, dipping 70 to the east. Pyrite-magnetite mineralisation of the Long Plains deposit was intersected on the HW of this carbonate formation

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5,396,934	347,774	264	- 50	250

Length (m)
348.0

Hole Size	
To (m)	**Size**
27.5	PQ
110.7	HQ
348.0	NQ

Significant Core Loss Zones		
From	**To**	**%Rec.**
29.0	37.8	<10
48.6	57.6	50
72.6	77.6	25
84.6	89.6	8

Hole Condition on Completion
.PQ stuck and left in hole. All other steel removed.

Summary of Results:

Depth		Recovery	Description	Assays							
From	To	%		Length	MgO	CaO	SiO_2	Fe_2O_3			
285.9	305.9	305.9	magnesite, weakly silicified and dolomitised	20.0	42.16	2.59	2.61	2.88			

DOWN HOLE SURVEY DATA

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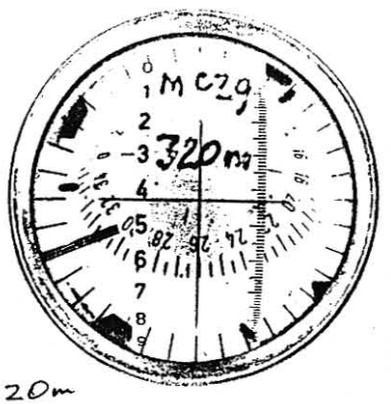
Depth	Dip	Bearing	Interval		Length	Vertical Distance		Horizontal Distance		Co-ordinates			
(m)		(AMG)	From	To	(D)	D.sin dip	R.L.	D. cos dip (HD)	Cumulative HD	N. distance HD. cos brg.	N. co-ordinate	E. distance HD. sin brg.	E. co-ordinate
COLLAR	-50	250					262.00		0.00		5,396,940.0		347,784.0
0	-50	250	0	60	60	45.96	216.04	38.57	38.57	-13.19	5,396,926.8	-36.24	347,747.8
120	-51	260	60	145	85	66.06	149.98	53.49	92.06	-9.29	5,396,917.5	-52.68	347,695.1
170	-49	277	145	195	50	37.74	112.24	32.80	124.86	4.00	5,396,921.5	-32.56	347,662.5
220	-48	270	195	245	50	37.16	75.09	33.46	158.32	0.00	5,396,921.5	-33.46	347,629.1
270	-47	267	245	295	50	36.57	38.52	34.10	192.42	-1.78	5,396,919.7	-34.05	347,595.0
320	-46	272	295	334	39	28.05	10.47	27.09	219.51	0.95	5,396,920.7	-27.08	347,567.9
348	-45	272	334	348	14	9.90	0.57	9.90	229.41	0.35	5,396,921.0	-9.89	347,558.0
348													

MC 29

Collar: – 50

238 Mag/250 AMG



320m

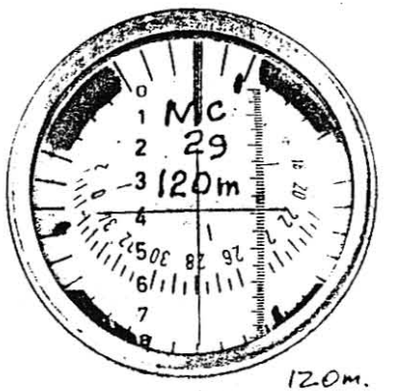
– 46° dip.

260 Mag: 272 AMG.

220m:

– 48 dip.

258 Mag: 270 AMG



120m.

– 51 dip

279 Mag: 291 AMG.

270m.

– 47 dip.

255 Mag: 267 AMG

170m. – 49 dip

265 Mag: 277 AMG

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To						
.0.0	2.0	.IRONSTONE RUBBLE	0.0	2.0	25	0.0	5.5	0								
2.0	6.7	**CLAYSTONE:** Completely weathered schistose volcanics (?)	2.0	3.5	50											
			3.5	5.5	75											
			5.5	7.5	75	5.5	9.5	0								
6.7	10.5	**PYRITIC MAGNETITE:** Massive magnetite and pyrite, intensely weathered.	7.5	8.5	80											
			8.5	9.5	70											
			9.5	10.5	60	9.5	13.2	0								
10.5	12.9	**CLAYSTONE:** Intensely weathered and broken schistose volcanics (?), minor magnetite;	10.5	12.5	75											
12.9	16.9	**PYRITIC MAGNETITE:** very broken and weathered magnetite and disseminated pyrite;	12.5	15.5	100	13.2	16.2	16								
			15.5	16.5	80											
16.9	27.5	**WEATHERED VOLCANICS (?):** very weathered volcanics with minor	16.5	17.5	100	16.2	19.0	0								
		disseminatedpyrite and sparse green	17.5	18.5	95											
		serpentinite as veinlets	18.5	27.5	100	19.0	22.3	10								
		BCA 45				22.3	27.5	0								
27.5	29.8	**PYRITIC MAGNETITE:** oxidised and broken magnetite with disseminated pyrite;	27.5	29.0	100	27.5	32.2	15								
		reduced to HQ at 27.5;														
29.8	34.8	**WEATHERED VOLCANICS (?) :** light brown, very weathered volcanics (?) with minor pyrite;	29.0	33.3	40	32.2	40.2	15								
34.8	37.9	**PYRITIC MAGNETITE:** weathered pyritic magnetite with minor green	33.3	36.1	40											
		serpentine bands;	36.1	37.8	24											
		broken and weathered;														
37.9	47.1	**WEATHERED INTRUSIVE:** fine grained intrusive (?) with sparse green	37.8	38.3	80	40.2	44.3	40								
		serpentine on fractures;	38.3	39.5	90	44.3	48.6	25								
		very weathered;	39.5	44.7	100											
			44.7	47.2	80											

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From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
.47.1	52.5	**.PYRITIC MAGNETITE:** leached, weathered and broken.	47.2	48.6	100	48.6	54	0								
			48.6	51.6	50											
52.5	57.6	**PYRITIC MAGNETITE:** very weathered and oxidised, broken, poor recoveries.	51.6	54.6	60	54	60.1	10								
			54.6	57.6	40											
57.6	60.1	**DECOMPOSED SEDIMENTS (?) :** purple and orange talcose-micaceous clays; possibly decomposed magnesite (?).	57.6	60.1	75											
60.1	65.3	**PYRITIC MAGNETITE:** very weathered, and broken in places; talcose zones;				60.1	64.8	15								
			60.1	62.7	100											
			62.7	65.2	80											
65.3	67.5	**TALC-MAGNETITE ROCK:** very soft light gray massive talc rockwith minor patches magnetite;	65.2	66.6	80	64.8	69.0	0								
67.5	78.0	**CLAY with MINOR UMBER AND OCHRE:** very weathered sediment, possibly magnesite;	66.6	69.6	90	69.0	77.7	0								
			69.6	72.6	70											
78.0	89.3	**SEDIMENT, WEATHERED DOLOMITE (?) :** very soft, clayey weathered sediment; possibly weathered carbonate; BCA 75; cavity > 2m. at 87 m. significant core loss in this interval;	72.6	75.6	25											
			75.6	77.6	25	77.7	81.6	2								
			77.6	78.3	100	81.6	89.6	4								
			78.3	81.0	90											
			81.0	83.4	100											
			83.4	84.6	85											
89.3	92.3	**MAGNESITE:** white crystalline magnesite, with magnesite rubble on HW; dark gray dolomitic component; 90.4-90.6 m: dark gray dolomitic siltstone; minor quartz veining; joint surfaces with iron staining;	84.6	89.3	8											
			89.3	92.3	100	89.6	93.8	55	89.6	90.4	36.08	3.38	12.89	3.52		
									90.6	92.2	33.41	5.34	11.6	5.67		
92.3	98.4	**DOLOMITIC SILTSTONE:** dark gray well bedded dolomitic siltstone, cut by numerous 1-5 mm white-cream crystalline carbonate veins; BCA 50;	92.3	98.4	100	93.8	98.4	65								

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From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
92.3	98.4	cont..... most fractures parallel bedding; widely spaced jointing 30CA, dipping opposite to bedding;														
98.4	108.7	**INTERBEDDED MAGNESITE & SILTSTONE:** dark gray siltstone with carbonate beds as follows: 98.4-99.2: mottled crystalline magnesite and dolomite; 99.5-100.5: crystalline magnesite; 101.0-101.7: crystalline magnesite; 101.8-102.9: mottled magnesite and dolomite; 103.0-104.6: mottled magnesite and dolomite; 105.2-105.6: magnesite; 105.8-107.3: magnesite; siltstone units are moderately broken with fractures parallel bedding and typically talcose	98.4	108.7	100	98.4 102.7 107.2	102.7 107.2 110.7	75 70 75	98.4 99.5 101.0 101.8 103.0 105.2 105.8	99.0 100.5 101.7 102.9 104.6 105.6 107.3	36.15 38.34 40.09 39.74 37.66 38.31 37.74	5.77 6.72 2.97 3.42 6.41 4.84 6.09	6.42 2.63 5.94 5.24 4.77 5.72 4.78	4.56 3.6 3.28 4.11 3.24 5.02 3.96		
108.7	125.5	**MAGNESITE:** reduced to NQ at 110.7 m; massive and siliceous magnesite, mottled texture; patches and veins of gray and white chalcedonic quartz; 119.1-119.3: pyritic schist; ground conditions excellent; widely spaced fractures 60 CA, with ocassional 30 CA fracturing;	108.7	125.5	100	110.7 115.4 120.2	115.4 120.2 125.0	90 90 100	108.7 109.3 110.7 111.7 112.7 113.7 114.7 115.7 116.7	109.1 110.7 111.7 112.7 113.7 114.7 115.7 116.7 117.7	30.82 32.71 30.39 31.44 30.84 32.82 24.28 25.77 24.97	5.35 3.9 2.8 14.46 9.79 2.77 21.17 19.48 19.78	20.75 20.67 28.83 6.63 15.48 22.96 9.91 10.52 11.5	3.65 2.69 1.97 1.58 1.68 2.27 1.26 1.27 1.03		
125.5	153.8	**INTERBEDDED CARBONATE AND SCHIST:** mottled white and gray dolomitic and siliceous magnesite interbedded with dark gray schists speckled and streaked with white carbonate; 2-3 % disseminated pyrite in schists; carbonate units commonly gray and hard due to silicification; mottled zones have brecciated appearance in places, with large angular fragments of white magnesite "replaced" by gray siliceous dolomite; SCA 60; excellent ground conditions	125.5	153.8	100	125.0 129.6 134.4 139.1 143.8 148.4	129.6 134.4 139.1 143.8 148.4 153.0	90 95 75 90 80 90	117.7 119.4 120.4 121.4 122.4 123.4 124.4 127.6 128.6	119.0 120.4 121.4 122.4 123.4 124.4 125.5 128.6 129.6	26.4 35.73 30.02 30.01 34.36 30.7 34.37 34.52 34.47	20.04 1.01 15.56 16.99 8.6 15.1 7.49 3.11 1.51	8.51 18.79 8.09 6.23 9.12 7.82 11.04 16.66 18.43	1.56 3.33 1.45 0.86 1.08 0.9 2.58 3.94 3.32		

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From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
153.8	175.8	**MAGNESITE, silicified and dolomitic:** cream-white fine grained magnesite intermixed with light gray-translucent chalcedonic quartz and dark gray siliceous dolomite; irregular patches crystalline magnesite and quartz; widely spaced jointing 60 CA; ground conditions are excellent with most fractures being driller fractures;	153.8	175.8	100	153	157.6	95	129.6	131.2	35.87	1.52	15.48	4.94		
						157.6	176	100								
									131.4	132.4	36.85	2.89	10.47	4.40		
									132.4	133.8	39.86	1.99	7.23	3.86		
									134.1	134.7	34.28	5.56	12.28	4.29		
									135.1	136.8	39.66	3.06	3.61	5.54		
									136.9	137.8	36.56	4.71	3.28	7.70		
175.8	198.4	**PYRITIC SCHIST:** dark gray schist with streaky-speckeled appearance due to white carbonate component; 2-5% coarse euhedral pyrite; some darker units moderately magnetic; SCA 30-60 but generally 40-50;	175.8	198.4	100	176.0	185.5	100	143.9	145.1	19.13	21.80	12.62	5.71		
						185.5	190.0	90								
						190.0	194.8	100	146.9	148.9	21.86	3.43	44.40	2.51		
						194.8	199.4	65								
									149.4	150.4	20.69	2.19	45.77	4.67		
									152.8	153.6	29.50	0.42	30.02	4.69		
198.4	226.3	**INTERBEDDED SCHIST and CARBONATES:** **198.4-205.6 m:** silicified pinkish dolomite with unusual ornate texture giving appearance of combined chemical replacement and brecciation; disseminated pyrite 1-2% **205.6-207.8 m:** dark gray pyritic schist: SCA 50: **207.8-226.3 m:** zone of interbedded narrow bands talcose-pyritic schist and dolomite-magnesite, extensively silicified with minor pyrite along replacement boundaries; minor talc bands in carbonates; talcose nature of schists results in poor ground conditions in places, with fracturing along schistosity at 50 CA and 30 CA jointing;	198.4	226.3	100	199.4	204.2	100	153.8	154.6	34.78	0.33	17.81	5.68		
						204.2	208.6	75	154.7	155.7	37.14	1.93	11.36	4.80		
						208.6	213.2	70	155.7	156.7	34.12	0.93	20.88	4.21		
						213.2	217.9	85	156.7	157.7	34.01	1.79	19.38	3.81		
						217.9	222.5	90	157.7	158.7	34.40	0.86	19.86	3.79		
						222.5	225.7	90	158.7	159.7	38.41	1.32	7.34	5.79		
									159.7	160.7	35.24	0.92	16.87	5.04		
									160.7	161.7	35.93	1.27	14.22	5.19		
									161.7	162.7	37.14	2.71	10.64	4.49		
									162.7	163.7	36.71	1.65	14.14	4.42		
									163.7	164.7	39.14	1.14	10.94	3.35		
									164.7	165.7	36.49	1.44	17.04	2.78		
									165.7	166.7	31.71	1.87	26.00	2.89		
									166.7	167.7	37.18	2.70	13.49	2.70		
									167.7	168.7	37.16	1.84	14.38	3.29		
226.3	251.8	**MIXED SILICIFIED DOLOMITE and MAGNESITE:** light gray dolomitic carbonates extensively silicified; large masses recrystallised magnesite and quartz; 1% pyrite along replacement boundaries; stylolites with pyrite common below 238 m;	226.3	251.8	100	225.7	231.1	100	168.7	169.7	35.57	1.72	18.05	2.93		
						231.1	235.6	90	169.7	170.7	37.06	1.61	15.00	2.72		
						235.6	240.3	90	170.7	171.7	34.78	1.83	19.13	2.62		
						240.3	244.8	90	171.7	172.7	38.77	1.33	12.32	2.63		
						244.8	249.5	100	172.7	173.7	35.09	1.56	19.68	2.92		
						249.5	254.2	90	173.7	174.7	37.78	0.99	14.32	3.08		
									174.7	176.1	36.56	0.94	16.65	3.65		

Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Mg O	CaO	SiO_2	Fe_2O_3		
226.3	251.8	cont.... 236.6 m: 200 mm. pyritic schist band: core very competent with wide spaced joint set 50 CA;							199.4 201.4 216.8	201.4 203.4 218.8	27.55 21.02 34.37	9.26 16.62 3.28	17.14 23.01 15.01	5.60 2.57 4.62		
251.8	267.0	**INTERBEDDED SCHIST AND CARBONATES:** dark gray pyritic schist interbedded with light gray - white mottled carbonates (mixture of dolomite and magnesite); extensive silicification to the point of chert development in places; trace pyrite disseminated throughout carbonates; SCA 50; core very competent;	251.8	267.0	100	254.2 258.8 263.3	258.8 263.3 267.9	90 100 95	226.3 231.1 233.1 238.4 246.6 255.5	228.3 233.1 235.1 240.4 247.6 256.6	24.27 19.41 19.64 19.96 19.89 27.91	19.47 26.82 27.48 28.24 28.07 5.97	11.98 6.42 6.81 4.56 6.43 22.63	2.11 3.20 2.21 1.87 1.73 5.27		
267.0	279.9	**SCHIST WITH MINOR CARBONATE BEDS:** dark gray schists, 1-2% disseminated pyrite; uniform SCA 60; 271.8-272.5: carbonate, mottled dolomite and magnesite, silicified; 278.2-279.4: silicified dolomite;	267.0	279.9	100	267.9 272.5 277.1	272.5 277.1 281.7	70 90 90	260.6	261.8	24.54	2.92	37.07	4.04		
279.9	309.2	**SILICIFIED MAGNESITE AND DOLOMITE:** mottled white-gray mixed magnesite and dolomite with silicification overprint; trace pyrite(<1%) associated with dark gray dolomite or silicified zones- typically not in purer magnesite zones; appears to be most promising zone in this hole; ground conditions excellent; widely spaced joint pattern 60 CA;	279.9	309.2	100	281.7 305.1	305.1 309.7	100 95	279.9 280.9 281.9 282.9 283.9 284.9 285.9 286.9 287.9	280.9 281.9 282.9 283.9 284.9 285.9 286.9 287.9 288.9	40.94 37.87 31.94 29.60 36.61 38.54 42.37 40.88 42.26	2.45 1.84 1.90 5.12 6.90 6.37 1.61 1.76 2.08	1.33 12.36 26.17 25.05 5.37 2.21 3.87 6.93 3.94	5.02 2.94 2.39 2.20 3.68 3.66 3.15 2.60 2.76		
309.2	318.8	**INTERBEDDED SCHIST AND CARBONATE:** carbonate as in unit above but with increasing schist component down hole; schist 2-5% pyrite;	309.2	318.8	100	309.7 314.4	314.4 319.0	95 95	288.9 289.9 290.9 291.9	289.9 290.9 291.9 292.9	42.32 42.63 41.19 41.67	1.96 2.11 3.26 2.85	3.00 2.45 3.22 3.13	3.00 2.74 2.64 2.91		
318.8	348.0	**SCHIST:** alternating light-dark gray units to 324.5 m., then more uniform dark gray-black;	318.8	348.0	100	319.0 323.5	323.5 328.0	70 75	292.9 293.9 294.9 295.9	293.9 294.9 295.9 296.9	41.08 42.15 41.48 40.05	3.91 3.73 2.35 3.15	1.19 0.32 3.36 6.08	3.23 3.12 3.04 2.77		

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From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
318.8	348.0	cont.....				328.0	332.5	30	296.9	297.9	42.84	1.47	2.51	3.07		
		calcareous in lighter intervals and pyritic;				332.5	337.0	50	297.9	298.9	43.87	1.36	1.54	2.95		
		weakly magnetic in places;				337.0	341.6	75	298.9	299.9	42.85	1.45	3.67	2.68		
		fine carbonate veining throughout;				341.6	345.1	85	299.9	300.9	42.24	3.46	0.62	3.01		
		330-330.9: 900 mm. quartz-carbonate-sphalerite-magnetite vein; carbonate is pinkish in color; sphalerite 10-15 % in central section of vein;				345.1	348.0	20	300.9	301.9	44.12	1.24	1.62	2.84		
									301.9	302.9	43.82	2.20	0.26	2.87		
									302.9	303.9	41.66	4.86	<0.05	2.76		
									303.9	304.9	41.30	3.97	3.60	2.40		
		330.9-332.0: carbonate veining very broken and leached (possible water channel);							304.9	305.9	42.42	3.05	0.89	3.21		
		332-348.0: dark gray schists, strongly leached and broken in places; unit possibly very porous; approx 5% coarse euhedral pyrite; SCA 50 and constant;							306.1	307.1	23.96	13.77	22.94	1.83		
									307.1	308.1	29.60	7.24	21.56	2.47		
									308.1	309.2	30.11	5.54	22.39	3.10		
									310.1	311.1	30.32	2.64	25.69	3.97		
									311.2	313.0	31.30	9.16	14.18	2.76		
		END of HOLE							313.2	314.2	31.87	13.29	6.49	2.46		
									314.2	315.2	29.44	4.02	27.05	2.76		
									317.1	318.8	26.82	12.91	17.15	2.81		