

COMPANY: Golden Triangle
 PROJECT: Main Creek Magnesite
 HOLE NUMBER: MC 32

Commenced:	06 Feb 98
Completed:	18 Feb 98
Logged By:	L A Newnham
Drilled By:	Dia. Drill Tas

Purpose of Hole
To test the Bowry Creek magnesite deposit north of MC 29

Comments on Completion
hole intersected a 118.5 m (ETT 102 m) wide zone of high grade magnesite, with low (<3 %) CaO; the HW section of this interval was low in silica, underlain by a zone of moderate (7 %) silica, which in turn was underlain by a narrow zone of lower silica and very low calcium; ground conditions excellent; much of the above interval is above OO RL;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5,397,645	347,522	221	-50	231

Length (m)
408.8

Hole Size	
To (m)	Size
28.7	PG
107.9	HQ
408.8	NG

Significant Core Loss Zones		
From	To	%Rec.
27.0	45.8	<50 see log

Hole Condition on Completion
PQ could not be recovered and was left in hole; top drill rod protruding from hole when dozer repairing road walked over it, making later recovery attempts impossible;

Summary of Results:

Depth		Recovery	Description	Assays				
From	To			%	Length	MgO	CaO	SiO ₂
202.9	321.4	100	magnesite, variably dolomitised & silicified (<3% CaO, >40% MgO)	118.5	43.16	2.19	2.67	1.95
incl 202.9	283.8	100	low SiO ₂ zone on HW of above unit	80.9	43.6	2.31	1.26	2.21
incl 283.8	311.1	100	high SiO ₂ zone immediately below low zone	27.3	41.48	2.06	6.84	1.56
incl 311.1	321.4	100	low CaO zone, on FW of high silica zone	10.3	43.92	1.70	2.91	1.09

DOWN HOLE SURVEY DATA

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Depth (m)	Dip	Bearing (AMG)	Interval		Length (D)	Vertical Distance		Horizontal Distance		Co-ordinates			
			From	To		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	231					221.00		0.00		5,397,645.0		347,522.0
0	-50	231	0	60	60	45.96	175.04	38.57	38.57	-24.27	5,397,620.7	-29.97	347,492.0
120	-48	233	60	145	85	63.17	111.87	56.88	95.44	-34.23	5,397,586.5	-45.42	347,446.6
170	-48	235	145	195	50	37.16	74.71	33.46	128.90	-19.19	5,397,567.3	-27.41	347,419.2
220	-47	236	195	245	50	36.57	38.15	34.10	163.00	-19.07	5,397,548.2	-28.27	347,390.9
270	-47	236	245	295	50	36.57	1.58	34.10	197.10	-19.07	5,397,529.2	-28.27	347,362.7
320	-46	240	295	345	50	35.97	-34.39	34.73	231.83	-17.37	5,397,511.8	-30.08	347,332.6
370	-45	240	345	389.4	44.4	31.40	-65.79	31.40	263.23	-15.70	5,397,496.1	-27.19	347,305.4
408.8	-45	247	389.4	408.8	19.4	13.72	-79.50	13.72	276.95	-5.36	5,397,490.7	-12.63	347,292.8
408.8													

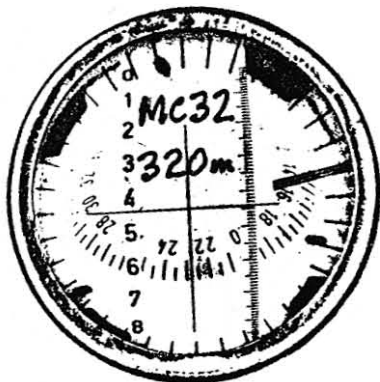
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120m.
-48 dip
221 Mag: 233 AMG.



220m.
-47 dip
224 Mag; 236 AMG.



320m
-46 Dip
228 Mag 240 AMG



408m
-45 dip
235 Mag 247 AMG.



170m.
-48 dip
223 Mag: 235 AMG.



270m:
-47 dip
223 Mag
235 AMG.



-45 dip
228 Mag.
240 AMG

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Description		Core Recovery			RQD			Assays											
From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO ₂	Fe ₂ O ₃					
0.0	12.0	WEATHERED SCHIST and CLAY: PQ coring; orange, brown and red clays; decomposed schist interbedded with light gray less weathered siltstone(?); SCA 50; ground completely broken and weathered;	0.0	2.0	40														
			2.0	3.5	30	0.0	12.0	0											
			3.5	5.0	30														
			5.0	6.5	90														
			6.5	11.0	100														
12.0	25.5	DECOMPOSED IRON RICH ROCKS: decomposed and very weathered red - orange muds and clays; possibly equivalent to magnetite formations further south cf. MC 29; SCA 45-50;	11.0	12.5	80														
			12.5	14.0	100														
			14.0	15.5	90	12.0	25.5	0											
			15.5	17.0	60														
			17.0	18.5	50														
25.5	41.8	WEATHERED SCHISTS: dark brown-orange, highly decomposed weathered schistose volcanics (?); recoveries very poor in parts; reduced to HQ at 28.7 m;	18.5	20.0	20														
			20.0	21.2	35														
			21.2	24.0	100	25.5	32.7	0											
			24.0	25.5	60	32.7	38.4	5											
			25.5	27.0	100	38.4	46.1	20											
41.8	44.8	CAVITY: no core recovered; rods dropped;	27.0	28.7	40														
			28.7	30.8	40														
			30.8	32.5	100														
			32.5	36.0	20														
44.8	53.2	CARBONATE with minor SCHIST: mottled light-dark gray carbonate, medium grained, probably mixture dolomite and magnesite; (3.0 m. cavity) pink coloration towards base; narrow pyritic schist bands as follows: 45.1 m: 300 mm. 47.1 m: 150 mm. 50.8 m: 400 mm. only rare patches white magnesite; carbonate units very competent, schist bands soft and very fractured;	36.0	38.2	70														
			38.2	40.3	65														
			40.3	41.8	33	46.1	49.5	90	47.3	48.3	19.98	27.25	4.21	3.85					
			41.8	45.8	25	49.5	53.0	85	48.3	49.3	18.41	27.02	7.32	3.65					
53.2	56.2	SCHIST: dark gray, fresh, schistose fine-medium grained siltstone(?); non-magnetic; 1-3% pyrite on schistosity surfaces or as disseminated grains and thin streaks or veinlets; SCA 50;	45.8	53.2	100														
			52.2	56.2	100	53.0	56.4	80											

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Description		Core Recovery			RQD			Assays								
From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO ₂	Fe ₂ O ₃		
56.2	83.9	INTERBEDDED CARBONATE and SCHIST: interbedded gray, cream and white carbonates with mottled or marbled texture, interbedded with dark gray pyritic schists; 56.2-58.2: large clasts creamy magnesite set in dark gray dolomite; 58.2-60.6: mottled cream-white magnesite with patches white-clear quartz-carbonate; 60.6: 100 mm schist; 60.7-65.2: dark gray partially silicified dolomite 65.2-75.8: dark gray speckled schist; 1-3 % pyrite; minor (<200 mm) carbonate beds; minor quartz veining; SCA 45-50; moderately competent, with widely spaced breaks parallel to schistosity; 75.8-79.8: mixed dolomite and magnesite with minor (<200mm) schist bands; quartz-magnesite veining in carbonate; 79.8-83.9: dark gray pyritic schist with significant carbonate content giving streaky appearance; pervasive 1-3 % pyrite but some sections up to 10 % as veinlets and disseminated on schistosity surfaces; fracturing parallel to schistosity, along greasy talcose surfaces, common;	56.2	83.9	100	56.4	60.2	100	57.4	58.4	27.89	3.50	25.59	6.12		
						60.2	63.7	95	58.4	59.4	24.95	4.64	30.19	6.16		
						63.7	67.2	70	59.4	60.7	29.05	2.62	23.96	7.00		
						67.2	70.8	80								
						70.8	74.4	80								
						74.4	77.8	95								
						77.8	81.2	70								
						81.2	84.8	75								
83.9	98.5	CARBONATE with minor SCHIST BANDS: 83.9-88.3: mixed dolomite and magnesite; 200 mm. band 5-10 % pyrite at 84.3; minor disseminated pyrite in more dolomitic sections; 87.9 m: 100 mm pyritic schist band; 88.3-89.9: dark gray schist with 700mm. mottled carbonate bed in middle; pyritic stylolitic surfaces in carbonate; 89.9-95.9: magnesite, fine grained, creamy white with irregular patches gray dolomite and some composite silicified	83.9	98.5	100	84.8	88.2	100	85.0	86.0	20.54	29.11	0.36	2.76		
						88.2	92.0	95	86.0	87.8	21.80	19.35	17.17	2.92		
						92.0	95.4	100	89.9	90.9	36.36	2.57	14.26	2.99		
						95.4	98.7	90	90.9	91.9	41.68	4.90	0.68	2.07		
									91.9	93.0	39.78	6.26	2.89	1.74		
									93.0	94.0	37.76	6.61	5.27	2.19		
									94.0	95.0	41.32	2.47	4.69	2.71		
								95.0	95.9	37.34	1.08	13.97	3.38			

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From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO ₂	Fe ₂ O ₃			
160.1	181.0	cont..... dolomite to 181.0; core very competent with widely spaced jointing 30 CA;															
181.0	181.4	SCHIST: brown pyritic schist; SCA 60;	181.0	181.4	100												
181.4	202.9	DOLOMITE with minor MAGNESITE: gray dolomite cut by abundant white magnesite and quartz veins; trace disseminated pyrite; ground generally very competent; widely spaced jointing 30 and 60 CA; becoming increasingly more magnesite rich towards base then grades into unit below	181.4	202.9	100	181.6	186.3	90	183.0	184.0	21.72	23.94	9.27	1.60			
						186.3	190.7	95									
						190.7	195.3	85	189.8	190.8	20.92	28.69	3.33	1.05			
						195.3	204.6	100	190.8	191.8	17.42	23.26	20.56	1.08			
									191.8	192.8	16.98	6.73	50.44	1.08			
									196.0	197.0	23.43	25.87	1.51	2.49			
202.9	208.3	DOLOMITIC MAGNESITE: gradational with units above and below; white fine grained magnesite interspersed with beds gray dolomite, both cut by later veins of white-clear crystalline magnesite and minor quartz veins; trace disseminated pyrite in gray dolomite; ground conditions excellent;	202.9	208.3	100	204.6	209.2	90	202.9	203.9	43.86	1.07	2.44	2.59			
									203.9	204.9	43.73	2.25	<0.05	3.08			
									204.9	205.9	43.37	3.37	<0.05	2.66			
									205.9	206.9	42.65	3.91	<0.05	2.46			
									206.9	207.9	43.58	3.04	<0.05	2.26			
									207.9	208.9	42.96	3.73	<0.05	2.62			
									208.9	209.9	44.76	1.96	<0.05	2.27			
									209.9	210.9	44.10	2.73	<0.05	2.29			
									210.9	211.9	44.51	2.13	<0.05	2.07			
208.3	223.2	MAGNESITE: gradational with unit above; massive white fine grained magnesite, marbled texture in places by gray dolomite; cut by veins clear-white crystalline magnesite; 221.5-221.8: dark gray schist;	208.3	223.2	100	209.2	218.6	100	211.9	212.9	44.89	1.66	0.48	2.25			
						218.6	223.0	95	212.9	213.9	43.14	2.68	1.80	2.05			
									213.9	214.9	44.65	1.97	1.28	1.68			
									214.9	215.9	44.10	2.13	1.15	1.61			
									215.9	216.9	42.61	2.73	3.64	1.77			
									216.9	217.9	43.65	2.02	2.71	1.81			
223.2	257.1	MAGNESITE, minor DOLOMITE: gradational with unit above; mottled/marbled texture with light gray dolomite surrounding irregular white magnesite patches; magnesite patches very fine grained and often cut by colorless crystalline magnesite veins; minor disseminated pyrite associated with dolomite..	223.2	257.1	100	223.0	227.6	85	217.9	218.9	43.20	2.55	2.80	1.52			
						227.6	241.3	100	218.9	219.9	43.47	2.31	2.83	1.45			
						241.3	245.8	80	219.9	221.5	40.27	6.09	1.48	1.84			
						245.8	250.5	100									
						250.5	255.2	95	221.8	222.8	45.16	0.80	0.44	2.25			
						255.2	259.7	90	222.8	223.8	43.56	3.06	1.02	1.57			
									223.8	224.8	42.59	3.54	1.10	1.74			
									224.8	225.8	43.35	2.79	0.99	1.89			

Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO ₂	Fe ₂ O ₃		
223.2	257.1	cont.... and along irregular stylolitic fracture surfaces; dolomitic sections 2-3 % pyrite; proportion of dolomitic material varies but overall decrease towards base of unit, with striking marbled texture below 255 m; minor schist bands as follow: 241.6: 400 mm band; 242.4: 40 mm; 242.8: 400 mm; 252.6: 700 mm; core extremely competent with some widely spaced jointing at 60 CA;							225.8	226.8	43.16	2.59	1.49	1.57		
									226.8	227.8	44.31	1.77	1.73	1.43		
									227.8	228.8	43.80	1.71	1.81	1.77		
									228.8	229.8	43.14	3.57	1.18	1.41		
									229.8	230.8	44.34	2.00	1.66	1.44		
									230.8	231.8	44.59	2.09	1.03	1.30		
									231.8	232.8	43.97	2.38	0.91	1.47		
									232.8	233.8	44.56	1.88	0.52	1.63		
									233.8	234.8	43.87	2.37	1.21	1.87		
									234.8	235.8	44.12	2.11	1.16	1.79		
									235.8	236.8	43.78	2.49	1.78	1.69		
									236.8	237.8	42.64	2.26	2.31	2.22		
									237.8	238.8	44.12	2.01	1.16	1.95		
257.1	258.8	SCHIST: brown and gray schist with quartz and carbonate veining common;	257.1	258.8	100				238.8	239.8	43.07	2.08	1.53	2.70		
									239.8	240.8	44.11	1.47	0.68	2.73		
									240.8	241.8	44.18	1.12	1.62	2.71		
									241.8	243.8*	44.09	2.01	0.18	2.39		
258.8	268.2	MAGNESITE with minor DOLOMITE: massive crystalline magnesite with irregular gray dolomite resulting in mottled/marbled texture; magnesite and dolomite cut by abundant crystalline magnesite veins and occasional quartz veins; pyrite 2-3 % disseminated in dolomite and common along stylolitic surfaces in dolomite; ground conditions excellent;	258.8	268.2	100	259.7	264.6	100	243.8	244.8	44.14	1.97	0.75	1.79		
						264.6	269.1	95	244.8	245.8	43.66	2.56	1.32	1.99		
									245.8	246.8	44.18	1.93	1.45	2.04		
									246.8	247.8	43.93	2.45	1.32	1.91		
									247.8	248.8	43.93	1.81	2.10	1.90		
									248.8	249.8	40.68	3.01	5.74	1.88		
									249.8	250.8	43.49	2.14	1.98	2.16		
									250.8	251.8	42.85	1.63	4.71	1.90		
									251.8	253.8*	43.74	1.45	0.95	3.37		
									253.8	254.8	41.33	1.49	7.17	2.49		
268.2	271.3	SCHIST: dark gray-green schist, weakly magnetic, cut by abundant 5-10 mm. soft carbonate veins; moderately competent SCA 60;	268.2	271.3	100	269.1	273.8	100	254.8	255.8	43.63	1.26	1.38	3.19		
									255.8	257.1*	44.08	1.15	<0.05	3.65		
									258.8	259.8	43.51	2.50	0.13	3.05		
									259.8	260.8	42.76	3.61	0.19	2.67		
271.3	327.4	MAGNESITE with minor SCHIST BANDS: massive white crystalline magnesite, mottled light gray dolomitic coloration in places; abundant late stage crystalline magnesite as large irregular patches and veins; trace disseminated pyrite in gray dolomitic zones; quality of magnes. below 296 m. appears good;	271.3	327.4	100	273.8	278.1	90	260.8	261.8	43.50	2.43	1.07	2.28		
						278.1	282.7	90	261.8	262.8	43.87	2.69	0.38	2.25		
						282.7	287.4	95	262.8	263.8	43.69	2.67	0.21	2.48		
						287.4	292.1	100	263.8	264.8	43.76	2.49	0.27	2.51		
						292.1	296.1	85	264.8	265.8	44.14	1.61	0.51	2.66		
						296.1	301.4	100	265.8	266.8	42.99	2.15	<0.05	4.08		
						301.4	306.0	70	266.8	268.1*	43.08	1.69	3.63	2.72		

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From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO ₂	Fe ₂ O ₃		
331.2	375.1	cont.... slightly vuggy; 374.8-375.1: magnesite becoming dolomitic; ground conditions excellent throughout;							316.3	317.3	43.49	1.77	3.77	1.01		
									317.3	318.4*	43.82	1.63	3.62	1.08		
									318.4	319.4	43.78	1.47	2.56	1.28		
									319.4	320.4	44.02	2.05	2.22	1.18		
									320.4	321.4	44.76	1.50	2.34	1.09		
375.1	377.2	SCHIST: dark gray pyritic schist; soft and talcy towards base; SCA 60;	375.1	377.2	100				321.4	322.4	42.09	5.52	0.40	1.21		
									322.4	323.4	42.75	5.26	<0.05	1.07		
									323.4	324.5*	41.60	6.51	<0.05	1.04		
									324.5	325.5	44.10	3.31	0.40	1.22		
									325.5	326.5	39.35	8.93	0.15	1.43		
									326.5	327.5	37.90	9.63	1.59	1.18		
377.2	387.5	MAGNESITE: magnesite becoming progressively more dolomitic and pyritic towards base, with occasional thin schist beds; pyrite 1-2% but occasionally up to 5 % as large coarse aggregates; ground conditions excellent;	377.2	387.5	100	378.4	387.7	100	331.6	332.6	41.76	3.76	2.42	2.39		
									332.6	333.8*	42.60	2.63	2.97	1.57		
									333.8	334.8	43.83	1.93	2.14	1.22		
									334.8	335.8	42.96	2.83	1.98	1.19		
									335.8	336.8	43.69	2.30	1.61	1.22		
387.5	392.6	SCHIST and CARBONATE INTERBEDDED: dark gray pyritic schist interbedded with dolomitic magnesite; 1-2 % disseminated pyrite, semi-massive in places in schist; SCA 60; schist moderately fractured along schistosity planes;	387.5	392.6	100				336.8	337.8	43.30	2.44	1.80	1.71		
									337.8	338.8	43.95	2.86	0.38	1.22		
									338.8	339.8	44.53	2.57	0.24	1.21		
									339.8	340.8	41.88	5.47	0.12	1.44		
									340.8	341.8	43.66	3.36	<0.05	1.43		
									341.8	342.8	42.81	4.14	0.30	1.28		
									342.8	343.8	43.61	3.44	0.29	1.25		
									343.8	344.8	42.80	4.28	<0.05	1.27		
									344.8	345.8	41.06	6.16	0.45	1.56		
									345.8	346.8	44.58	1.81	0.13	1.63		
									346.8	347.8	41.67	5.28	<0.05	1.86		
									347.8	348.8	41.17	5.65	0.41	1.84		
									348.8	349.8	40.10	7.04	0.14	1.52		
									349.8	350.8	38.29	7.89	1.87	1.89		
									350.8	351.8	28.06	20.21	3.12	1.65		
									351.8	352.8	30.29	16.89	3.76	1.60		
									352.8	353.8	36.70	7.23	5.21	2.93		
									353.8	354.8	36.61	8.64	3.74	2.67		
									354.8	355.8	41.08	5.96	1.03	1.49		
									355.8	356.8	42.14	5.25	0.16	1.55		
									356.8	357.8	41.85	5.75	<0.05	1.80		
									357.8	358.8	42.47	4.64	0.29	1.65		
									358.8	359.8	40.03	6.14	1.44	2.31		
		END of HOLE														

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								359.8	360.8	37.67	8.88	1.85	2.06		
								360.8	361.8	40.43	6.93	0.45	1.63		
								361.8	362.8	42.51	5.53	0.23	1.18		
								362.8	363.8	39.49	8.46	0.46	1.18		
								364.8	365.8	33.62	12.92	4.89	1.62		
								365.8	366.8	42.98	4.08	0.26	1.00		
								366.8	367.8	40.42	7.02	0.75	0.91		
								367.8	368.8	37.44	9.09	6.01	1.22		
								368.8	369.8	39.36	9.20	1.21	0.91		
								369.8	370.8	44.33	3.48	<0.05	0.76		
								370.8	371.8	43.67	3.58	<0.05	1.03		
								371.8	372.8	38.54	9.40	1.59	1.43		
								372.8	373.8	40.46	6.60	0.22	1.32		
								373.8	374.8	43.68	3.48	0.42	1.12		
								377.0	378.8	41.95	5.68	0.21	1.24		
								378.8	379.8	37.13	10.34	2.16	1.54		
								379.8	380.8	29.85	17.69	5.25	2.07		
								380.8	381.8	31.78	17.53	1.24	1.36		
								381.8	382.8	38.08	9.66	2.23	1.78		
								382.8	383.8	33.09	12.64	9.86	1.87		
								383.8	384.8	33.62	16.09	0.38	1.23		
								384.8	385.8	40.13	7.91	0.87	1.23		
								385.8	386.8	35.49	12.84	1.87	1.47		