828175

COMPANY: Golden Triangle
PROJECT: Main Creek Magnesite
HOLE NUMBER: MC 50

Commenced:	03 March 99
Completed:	07 March 99
Logged By:	L.A.Newnham
Drilled By:	Almac Drilling

Purpose of Hole

To test the central section of the Carbonate Sequence close to the Footwall Schists (ie) at shallow depth;

Comments on Completion

only a few very narrow zones of high grade magnesite intersected; major lenses appear to be poorly developed in this area;
magnesite near FW of Carbonate Sequence was water worn but no water flowed at the collar;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5399302.8	346678.7	2134.3	-50	242

Length (m)
162.2

Hole Size	
To (m)	Size
17.6	HW
21.5	HQ
162.2	NQ

Significant Core Loss Zones		
From	To	%Rec.
0.0	18.0	0

Hole Condition on Completion

all casing and rods removed; 6 m. pvc collar pipe remained in hole; hole not making water;

Summary of Results:

Depth		Recovery	Description	Assays							
From	To	%		Length	MgO	CaO	SiO_2	Fe_2O_3			
			no significant high grade magnesite zones intersected								

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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	242					2134.30		0.00		5,399,302.8		346,678.7
0	-50	242	0	25	25	19.15	2115.15	16.07	16.07	-7.54	5,399,295.3	-14.19	346,664.5
50	-50	239	25	75	50	38.30	2076.85	32.14	48.21	-16.55	5,399,278.7	-27.55	346,637.0
100	-50	239	75	125	50	38.30	2038.54	32.14	80.35	-16.55	5,399,262.1	-27.55	346,609.4
150	-50	239	125	156.1	31.1	23.82	2014.72	19.99	100.34	-10.30	5,399,251.9	-17.14	346,592.3
162.2	-50	239	156.1	162.2	6.1	4.67	2010.05	3.92	104.26	-2.02	5,399,249.8	-3.36	346,588.9
162.2													

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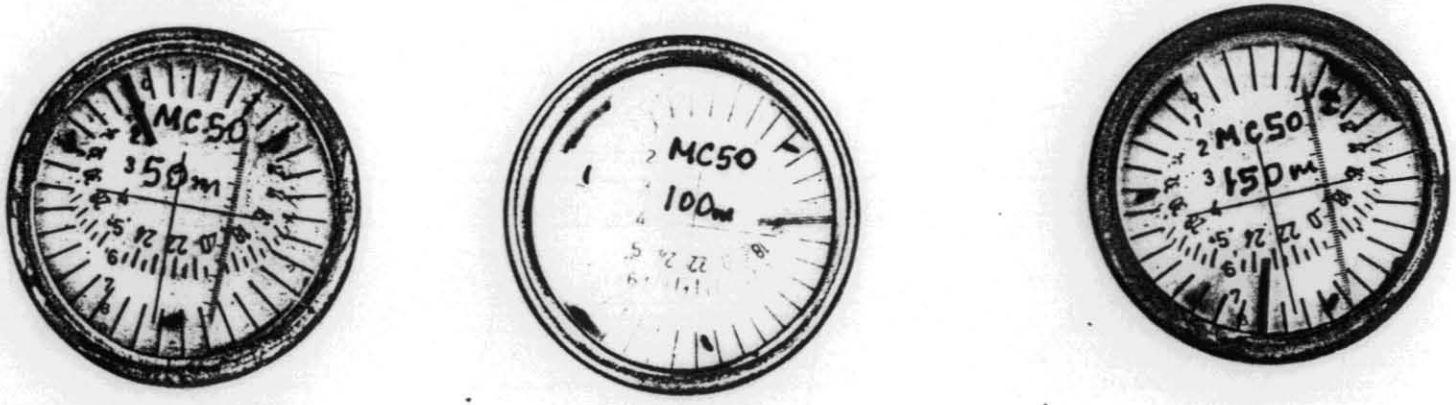

5 cm

MC 50

828178

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HOLE NUMBER: MC 50

Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
0.0	18.0	**HW TRICONE, no core;**	0.0	18.0	0											
18.0	31.1	**SCHIST, pyritic:** dark gray talcose schist with minor dolomite-magnesite beds; strongly pyritic with overall 10% pyrite, occuring as massive and semi-massive seams and veins, generally parallel to schistosity; typically composed of coarse grained euhedral pyrite but some of the semi-massive bands are fine grained; unit talcose, soft, slumped (including the pyrite) and overall very broken and incompetent; many fractures parallel to schistosity, which is semi parallel CA in places; SCA towards base of unit becoming more consistent 30-40 CA; sharp but irregular contact with unit below;	18.0	21.5	95	18.0	21.5	20								
			21.5	23.0	95	21.5	26.2	50								
			23.0	26.0	98	26.2	30.8	40								
			26.0	29.0	95											
			29.0	31.1	100											
31.1	49.7	**MAGNESITE, minor schist bands:** **31.1-35.7 m:** strongly talcose dolomitic magnesite; 50 mm dark schist seam at 32.1 m; light-dark gray dolomitic magnesite, extensively altered to talcose green-white-gray soft magnesite; generally only minor pyrite but locally 3-5% over 50 mm zone at 34.7 m; core very soft and weak due to talc component but core moderately competent; lower contact 25 CA; **35.7-36.7 m:** soft dark gray talcose schist, with 1-2% pyrite; SCA 30; **36.7-49.7 m:** light gray fine grained dolomitic magnesite, extensively replaced by gray-white crystalline magnesite resulting in vague mottled appearance; minor talc and very rare pyrite as finely disseminated grains; becoming darker gray, more dolomitic below 49.0 m; ground conditions excellent;	31.1	32.0	100	30.8	35.2	60	37.0	38.0	28.20	19.38	7.65	1.07		
			32.0	32.5	75	35.2	39.8	75	38.0	39.0	36.45	8.81	7.62	0.90		
			32.5	35.0	100	39.8	49.1	100	39.0	40.0	33.47	9.34	12.99	0.85		
			35.0	37.4	90				40.0	41.0	33.77	9.28	12.05	0.79		
			37.4	49.7	100				41.0	42.0	38.92	5.73	8.51	0.77		
									42.0	43.0	37.41	4.49	13.08	0.63		
									43.0	44.0	38.61	4.51	10.87	0.52		
									44.0	45.0	36.08	6.62	13.11	0.61		
									45.0	46.0	32.84	9.17	14.39	0.54		
									46.0	47.0	39.99	3.23	9.13	0.73		
									47.0	48.0	42.66	3.94	2.97	0.78		
									48.0	49.0	27.10	21.27	4.42	0.70		

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PROJECT: Main Creek
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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
49.7	70.4	**DOLOMITE, minor schist and magnesite:** gray-white mottled dolomite interbedded with dark gray talcose schist and thin white magnesite beds; **49.7-50.7 m:** dark gray soft talcose schist with minor pyrite; SCA variable but generally 60 CA; unit soft and broken; **50.7-52.1 m:** light gray magnesite extensively replaced by crystalline magnesite; minor talc; trace fine grained disseminated pyrite; grades into..... **52.1-61.9 m:** white-gray magnesite almost totally replaced by gray dolomite resulting in overall dark gray mottled appearance; minor talc and silica patches towards base of interval; 1-10 mm. veins white crystalline magnesite common; trace fine grained disseminated pyrite throughout; interval competent; principal joint sets 30 and 60 CA; sharp contact with unit below 80 CA; **61.9-62.3 m:** dark gray schist, calcareous and pyritic; talcose on margins; **62.3-63.1 m:** dolomite as for 52.1 m...; siliceous; **63.1-63.5 m:** dark gray talcose schist, 20 mm quartz vein: **63.5-67.7 m:** dolomitised magnesite as for 52.1 m.....; **67.7-68.4 m:** dark gray weakly pyritic schist; SCA 60; **68.4-70.4 m:** magnesite, dolomitised, talcose and silicified; lower margin pyritic and distorted;	49.7	70.4	100	49.1 53.4 58.0 62.6 67.5	53.4 58.0 62.6 67.5 71.6	85 90 90 85 50									
70.4	82.4	**SCHIST:** dark gray schist (?schistose volcanic); weakly calcareous in part and generally weakly magnetic; 2-3% medium grained disseminated euhedral pyrite throughout as aggregates and seams	70.4	82.4	100	71.6 76.0	76.0 80.7	50 85								

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
70.4 continued	82.4	parallel to schistosity; 1-5 mm randomly orientated carbonate veins common; laths of black mineral near base, possibly amphibole (? hornblende); SCA 40-50; ground moderately competent but with some broken zones; most fracturing along greasy breaks parallel to schistosity;														
82.4	110.0	**MAGNESITE, upper section pyritic:** **82.4-95.2 m:** massive white-light gray magnesite, extensively replaced by crystalline magnesite and coarse crystalline magnesite as large veins and irregular masses; minor schist material in top 2 m; magnesite of similar quality to magnesite below but 2-3% pyrite, typically in 5-10 mm. wide disjointed bands of semi massive pyrite or as aggregates; continuous with unit below; **95.2-110.0 m:** magnesite as for 82.4 m. above but only trace pyrite; no talc; feature of unit is abundance of coarse crystalline magnesite; core moderately competent but broken in places due to strong joint set 0-20 CA; other joint sets 30 and 40 CA; at 109.2-110.0 m., 800 mm of core ground away;	82.4	106.9	100	80.7	85.4	80	95.2	96.0	42.58	5.15	0.21	0.81		
			106.9	110.0	75	85.4	90.0	95	96.0	97.0	44.44	3.21	0.21	0.72		
						90.0	94.4	90	97.0	98.0	45.29	2.35	<0.05	0.75		
						94.4	98.7	70	98.0	99.0	43.21	4.85	<0.05	0.82		
						98.7	102.9	55	99.0	100.0	38.75	9.63	0.19	0.92		
						102.9	107.5	80	100.0	101.0	42.58	5.52	<0.05	0.72		
						107.5	112.9	70	101.0	102.0	37.10	11.72	0.10	0.84		
									102.0	103.0	41.07	6.55	1.29	0.89		
									103.0	104.0	35.07	12.97	2.21	0.91		
									104.0	105.0	40.44	7.30	0.95	0.81		
									105.0	106.0	37.16	10.71	1.47	1.12		
									106.0	107.0	38.98	8.80	1.73	0.82		
									107.0	108.0	37.95	10.87	0.72	0.88		
									108.0	109.0	38.13	9.21	2.24	1.21		
110.0	112.4	**INTERBEDDED SCHIST and MAGNESITE:** **110.0 m:** 100 mm dark gray talcose schist; **110.1 m:** 500 mm light gray talcose and sulfidic carbonate bed; **110.5 m:** 800 mm dark gray weakly schistose volcanic; pyritic, weakly magnetic; talcose margins;	110.0	112.4	100											
112.4	126.3	**MAGNESITE, pyritic in part:** **112.4-121.0 m:** white-light gray magnesite extensively replaced by crystalline magnesite; coarse crystalline magnesite as veins and irregular masses; 3-5% pyrite as abundant fine euhedral.....	112.4	126.3	100	112.9	117.5	100								
						117.5	122.0	70								
						122.0	126.5	95								

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From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
112.4 continued.....	126.3	disseminated grains resulting in "peppered" appearance, as irregular seams and aggregates,typically associated with green-gray talc; core very competent; minor jointing 10-20 CA; grades abruptly into.... **121.0-126.3 m:** massive white magnesite similar to unit above but <1% pyrite as fine disseminated euhedral grains; core generally competent except for several joints semi parallel to CA near top of unit;							121.0	122.0	42.00	5.77	0.43	0.96		
									122.0	123.0	42.33	5.29	<0.05	0.97		
									123.0	124.0	43.69	4.03	<0.05	1.20		
									124.0	125.0	44.19	2.72	<0.05	1.63		
									125.0	126.3	32.90	15.98	1.51	1.37		
126.3	127.5	**SCHIST:** dark gray-brown soft talcose schist; 200 mm white magnesite in middle; minor pyrite; soft and broken; SCA 60;	126.3	127.5	100	126.5	131.2	90								
127.5	131.3	**MAGNESITE:** white magnesite, largely replaced by white crystalline magnesite; large masses and veins of coarse crystalline magnesite; 0.5% fine grained disseminated pyrite; ground conditions excellent;	127.5	131.3	100				127.5	128.5	38.26	9.72	0.48	1.40		
									128.5	129.5	43.64	3.42	<0.05	1.52		
									129.5	130.5	42.60	3.95	1.13	1.58		
									130.5	131.3	42.39	4.07	0.97	1.86		
131.3	132.0	**SCHIST:** dark gray schistose (?) volcanic; SCA 45;	131.3	132.0	100	131.2	135.8	70								
132.0	142.1	**MAGNESITE, water worn, minor schist:** cream colored (dolomitic) magnesite, fractured and then replaced by light gray crystalline magnesite and numerous fine 1-10 mm veins white coarse crystalline magnesite; non-pyritic; dark gray weakly calcareous schist bands at: 138.4 m: 300 mm; 140.7 m: 200 mm core moderately competent but weak and crumbly where water leaching is most prolific;	132.0	140.0	100	135.8	140.3	80	132.0	133.0	38.30	9.29	1.23	1.43		
			140.0	143.6	90	140.3	145.0	35	133.0	134.0	37.51	10.88	0.21	1.35		
									134.0	135.0	35.71	12.46	0.52	1.63		
									135.0	136.0	39.36	8.65	0.56	1.49		
									136.0	137.0	39.47	8.89	0.32	1.10		
									137.0	138.0	34.48	15.05	0.29	0.95		
									138.0	139.0	38.80	9.54	0.13	1.61		
									139.0	140.0	41.51	6.08	<0.05	1.34		
									140.0	141.0	38.69	9.24	0.75	1.49		
									141.0	142.0	38.71	8.59	0.61	2.04		
142.1	144.0	**SCHIST:** dark gray schistose volcanic (?), talcose near HW; variably magnetic; minor disseminated...														

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
142.1 continued.....	144.0	pyrite in whispy structures; SCA 70; abundant breaks along schistosity and low angle joint set;														
144.0	155.0	**MAGNESITE, water worn:** as for 132.0 m. above..... trace disseminated pyrite throughout <0.5% but locally 0.5-1.0% core generally competent but crumbly and soft where water action advanced;	143.6 146.0 148.4	146.0 148.4 155.0	100 85 100	145.0 149.6	149.6 154.1	70 85	144.0 145.0 146.0 147.0 148.0 149.0 150.0	145.0 146.0 147.0 148.0 149.0 150.0 151.0	38.03 37.14 34.26 37.06 39.53 38.20 38.83	9.13 10.81 13.48 10.69 8.21 10.03 9.22	2.46 0.88 1.95 1.61 0.41 <0.05 <0.05	1.33 1.52 1.71 1.52 1.47 1.54 1.61		
155.0	162.6	**FOOTWALL SCHIST:** dark gray speckeled schistose (?) volcanics; calcareous in upper section; water worn (vuggy) variably magnetic; ocassional thin cream colored (dolomitic) magnesite bands; speckeled texture possibly carbonate alteration; 1-2% pervasive fine-medium grained pyrite; well developed schistosity 60-70 CA; **END OF HOLE**	155.0 157.5 161.0	157.5 161.0 162.6	85 100 90	154.1 158.7	158.7 162.6	35 30	151.0 152.0 153.0 154.0	152.0 153.0 154.0 155.0	41.68 33.06 38.71 35.96	5.63 14.60 9.03 12.04	0.89 2.40 1.10 1.51	1.73 2.00 1.42 1.48		