828100

COMPANY: Golden Triangle
PROJECT: Main Creek Magnesite
HOLE NUMBER: MC 43

Commenced:	23 January 99
Completed:	24 January 99
Logged By:	L A Newnham
Drilled By:	Almac Drilling

Purpose of Hole

To test footwall section of Carbonate Sequence at shallow depth, towards southern section of Main Creek deposit

Comments on Completion

hole intersected two zones of +40% MgO but both zones were generally >3% CaO; high pyrite content in much of the magnesite; collared in FW of main magnesite units;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5398954.9	346739.9	2149.5	-45	241

Length (m)
134.0

Hole Size

To (m)	Size
3.0	HW
36.7	HQ
134.0	NQ

Significant Core Loss Zones

From	To	%Rec.
9.7	19.1	< 20n

Hole Condition on Completion

all rods and casing removed from hole; hole not flowing water;

Summary of Results:

Depth		Recovery	Description	Assays							
From	To	%		Length	MgO	CaO	SiO_2	Fe_2O_3			
			no significant sections with MgO >40% and CaO<3%;								

DOWN HOLE SURVEY DATA

828101

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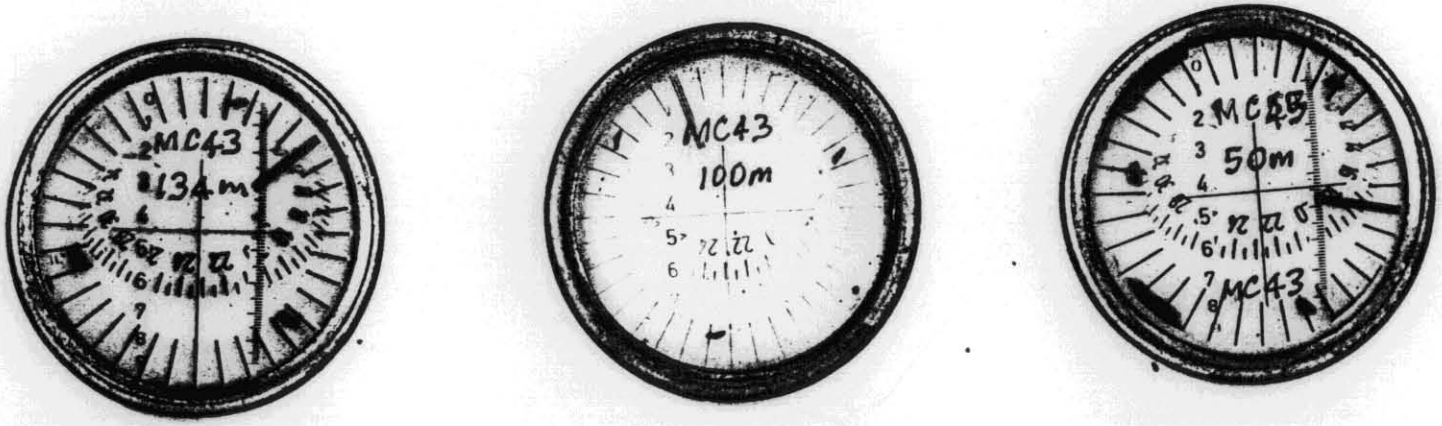
Depth	Dip	Bearing	Interval		Length	Vertical Distance		Horizontal Distance		Co-ordinates			
(m)		(AMG)	From	To	(D)	D.sin dip	R.L.	D. cos dip (HD)	Cumulative HD	N. distance HD. cos brg.	N. co-ordinate	E. distance HD. sin brg.	E. co-ordinate
COLLAR	-45	241					2149.50		0.00		5,398,954.9		346,739.9
0	-45	241	0	25	25	17.68	2131.82	17.68	17.68	-8.57	5,398,946.3	-15.46	346,724.4
50	-46	240	25	75	50	35.97	2095.86	34.73	52.41	-17.37	5,398,929.0	-30.08	346,694.4
100	-46	242	75	117	42	30.21	2065.64	29.18	81.59	-13.70	5,398,915.3	-25.76	346,668.6
134	-46	245	117	134	17	12.23	2053.41	11.81	93.40	-4.99	5,398,910.3	-10.70	346,657.9
134													

828102



5 cm

MC 43

828103

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
0.0	2.0	**HW TRICONE: no core:** collared in grat schist exposed on drill pad;	0.0	2.0	0											
2.0	9.7	**SCHIST:** dark gray, partly weathered pyritic schist (volcanic?); weathering accentuates abundant black amphibole(?) laths; coarse euhedral pyrite as individual grains, clusters and in thin veinlets; core severely broken along several joint sets from low to high angle to CA; all joint surfaces iron stained;	2.0	6.1	100	2.0	19.7	0								
			6.1	8.0	60											
			8.0	9.7	100											
9.7	19.1	**CAVITY ZONE with soft SCHIST UNITS:** zone of major core loss; driller considered zone to be series of sand and rubble filled cavities, separated by very decomposed narrow schist bands; core recovered is mainly light brown, extremely decomposed talcose schist; SCA 35-40;	9.7	11.0	25											
			11.0	14.0	15											
			14.0	17.0	6											
			17.0	19.1	10											
19.1	29.2	**SCHIST:** light gray, soft, talcose non-calcareous schist, cut at irregular orientations by several generations of numerous 1-25 mm. white carbonate veins; rare fine grained disseminated pyrite; core soft and fissile with numerous fractures along schistosity planes, typically 30 CA; overall unit moderately brokenand weak, but improving down hole; sharp contact with unit below 40 CA;	19.1	29.2	100	19.7	24.8	80								
						24.8	29.2	50								
29.2	66.5	**MAGNESITE, dolomitic:** soft white magnesite extensively replaced by crystalline magnesite; large lumps magnesite set in light gray dolomitic (?) matrix of crystalline carbonate, resulting in mottled appearance; extent of replacement/alteration increases down hole; **below approx. 54 m:** light gray replacement..	29.2	66.5	100	29.2	36.3	100	29.2	30.0	36.07	11.25	2.02	1.76		
						36.3	41.2	95	30.0	31.0	41.34	6.96	<0.05	1.22		
						41.2	68.5	100	31.0	32.0	42.42	5.52	0.16	1.11		
									32.0	33.0	43.07	4.47	0.37	1.08		
									33.0	34.0	42.66	5.38	0.31	1.12		
									34.0	35.0	41.45	6.64	0.12	1.05		
									35.0	36.0	44.05	3.78	<0.05	1.04		
									36.0	37.0	43.44	4.28	<0.05	0.98		

828104

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
		carbonate dominant, resulting in overall gray crystalline appearance, with sparse lumps residual magnesite; 5-10 mm veins coarse crystalline magnesite common; rare fine grained pyrite associated with replacement carbonate; ground conditions excellent; grades into unit below;							37.0	38.0	43.98	3.95	<0.05	1.03		
									38.0	39.0	42.44	5.44	<0.05	0.95		
									39.0	40.0	42.49	5.42	<0.05	0.97		
									40.0	41.0	39.57	8.72	<0.05	1.05		
									41.0	42.0	22.81	28.18	0.24	1.25		
									42.0	43.0	41.42	6.61	<0.05	1.13		
									43.0	44.0	41.72	6.57	<0.05	0.82		
									44.0	45.0	39.24	9.39	<0.05	0.76		
									45.0	46.0	42.71	5.16	<0.05	0.85		
66.5	95.0	**MAGNESITE, dolomitic and pyritic:** gradational with units above and below; arbitary boundaries based on abundance of pyrite; overall grayish crystalline carbonatewith numerous irregular relict masses white magnesite; several 1-5 mm. late stage veins coarse crystalline magnesite; pyrite common throughout, averaging 2-5%; some intervals contain 5-10% pyrite as masses and irregular veinlets of semi massive coarse euhedral pyrite; **72.4 m:** 200 mm. very soft and broken talcose schist band; this magnesite unit was not assayed because of sulfide content; the carbonate composition is probably similar to that of unit above; ground conditions excellent;	66.5	95.0	100	68.5	73.3	90	46.0	47.0	41.44	6.79	<0.05	1.00		
						73.3	96.3	100	47.0	48.0	37.34	11.12	0.17	1.31		
									48.0	49.0	39.22	8.78	1.03	0.89		
									49.0	50.0	40.26	8.22	<0.05	0.83		
									50.0	51.0	41.26	7.32	<0.05	0.82		
									51.0	52.0	42.28	6.16	<0.05	0.82		
									52.0	53.0	40.60	8.12	<0.05	0.80		
									53.0	54.0	39.78	8.96	<0.05	0.71		
									54.0	55.0	39.35	8.67	<0.05	0.92		
									55.0	56.0	35.76	13.27	<0.05	1.30		
									56.0	57.0	27.20	22.22	1.26	1.62		
									57.0	58.0	35.12	13.06	0.53	1.78		
									58.0	59.0	33.85	14.98	0.52	1.48		
									59.0	60.0	39.66	7.92	0.28	1.74		
									60.0	61.0	32.17	16.66	0.77	1.85		
									61.0	62.0	33.70	14.94	0.42	2.01		
									62.0	63.0	38.33	9.51	0.38	1.98		
									63.0	64.0	36.27	11.92	0.14	2.03		
									64.0	65.0	39.49	7.78	0.31	2.23		
95.0	119.7	**MAGNESITE:** gradational with unit above; marked by increase in proportion of relict white magnesite and decrease in pyrite; irregular masses magnesite set in matrix of crystalline carbonate (dolomitic?); coarse crystalline magnesite as 1-5 mm veinlets and ocassional large irregular masses; fine grained euhedral pyrite <1%,disseminated in crystalline carbonate, resulting in 'peppered' appearance in places; **below 118 m:** magnesite becomes creamy color (dolomitic) and proportion of crystalline	95.0	119.7	100	96.3	100.8	100	65.0	66.5	35.46	12.67	<0.05	2.07		
						100.8	105.1	95								
						105.1	109.7	100	95.0	96.0	41.73	5.66	0.50	1.57		
						109.7	114.3	95	96.0	97.0	42.63	4.50	0.17	1.78		
						114.3	119.7	100	97.0	98.0	42.13	5.00	<0.05	2.01		
									98.0	99.0	41.35	6.28	<0.05	1.61		
									99.0	100.0	42.24	4.75	<0.05	1.78		
									100.0	101.0	40.09	7.22	0.20	1.86		
									101.0	102.0	41.30	6.15	<0.05	1.56		
									102.0	103.0	43.95	3.05	<0.05	1.61		
									103.0	104.0	44.05	2.90	<0.05	1.57		
									104.0	105.0	43.65	2.94	<0.05	1.95		

828105

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	MgO	CaO	SiO_2	Fe_2O_3		
		magnesite and pyrite increase; ground conditions generally excellent; principal joint direction set wide spaced 40 CA; contact with FW unit below sharp 45 CA;							105.0	106.0	43.94	2.04	0.11	2.25		
									106.0	107.0	41.99	3.77	<0.05	2.67		
									107.0	108.0	42.75	3.04	<0.05	2.99		
									108.0	109.0	42.69	3.51	<0.05	2.72		
									109.0	110.0	43.19	2.73	<0.05	2.97		
									110.0	111.0	42.22	3.14	0.09	3.68		
119.7	134.0	**FOOTWALL SCHIST:** dark gray micaceous schist with abundant fine bands white carbonate parallel to schistosity, resulting in uniform banded appearance; 5-10 mm. quartz veins becoming more abundant towards bottom of hole; 1-3% pervasive fine-medium grained euhedral pyrite; SCA 50; fine porous appearance suggests high permeability; ground conditions generally reasonable, with most fractures parallel to schistosity;	119.7	134.0	100	119.7	123.0	80	111.0	112.0	40.72	5.60	0.19	3.13		
						123.0	127.3	65	112.0	113.0	43.02	2.71	<0.05	2.74		
						127.3	134.0	60	113.0	114.0	42.48	3.03	0.11	3.06		
									114.0	115.0	42.32	3.14	<0.05	3.48		
									115.0	116.0	40.14	5.85	0.34	3.54		
									116.0	117.0	37.22	8.58	0.36	3.95		
									117.0	118.0	31.59	15.51	0.51	3.78		
									118.0	119.7	32.27	14.12	0.40	4.16		
		END OF HOLE														