

**COMPANY:** GOLDSTREAM MINING NL/TITAN RESOURCES NL  
**PROJECT:** MOINA RL 8810  
**HOLE NUMBER:** HS 7

<b>Commenced:</b>	Feb 96
<b>Completed:</b>	Feb 96
<b>Logged By:</b>	LA Newnham
<b>Drilled By:</b>	Dia. Drill Tas.

Purpose of Hole
To test the south east extensions of the Hugo Skarn.

Comments on Completion
.hole intersected very broken and disrupted sequence of Moina Sandstone. Interpreted as lying east of main downfaulted skarn block; no significant assays;

**Collar Details**

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5 406,125	423,770	642	-90	-

Length (m)
132.5

co-ordinates approx. only- hole not surveyed

Hole Size	
To (m)	Size
53.9	HQ
132.5	NQ

Significant Core Loss Zones		
From	To	%Rec.
0.0	22.8	minor loss

Hole Condition on Completion
All rods and casing removed from hole.

**Summary of Results**

Depth		Recovery	Description	Assays							
From	To	%		Length	Au	Ag	Cu	Pb	Zn	As	S
			no significant assays								

DOWN HOLE SURVEY DATA

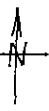
COMPANY: Goldstream Mining N.L.-Titan Resources N.L.  
 PROJECT: Hugo Skarn  
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Depth (m)	Dip	Bearing (AMG)	Interval		Length (D)	Vertical Distance		Horizontal Distance		Co-ordinates			
			From	To		D.sin dip	R.L.	D. cos dip (HD)	Cumulative HD	N. distance HD. cos brg.	N. co-ordinate	E. distance HD. sin brg.	E. co-ordinate
COLLAR	-90	0					642.00		0.00		5,406,125.0		423,770.0
0	-90		0	51	51	51.00	591.00	0.00	0.00	0.00	5,406,125.0	0.00	423,770.0
102	-89	269	51	117.25	66.25	66.24	524.76	1.16	1.16	-0.02	5,406,125.0	-1.16	423,768.8
132.5	-89	269	117.25	132.5	15.25	15.25	509.51	0.27	1.42	-0.00	5,406,125.0	-0.27	423,768.6
132.5													

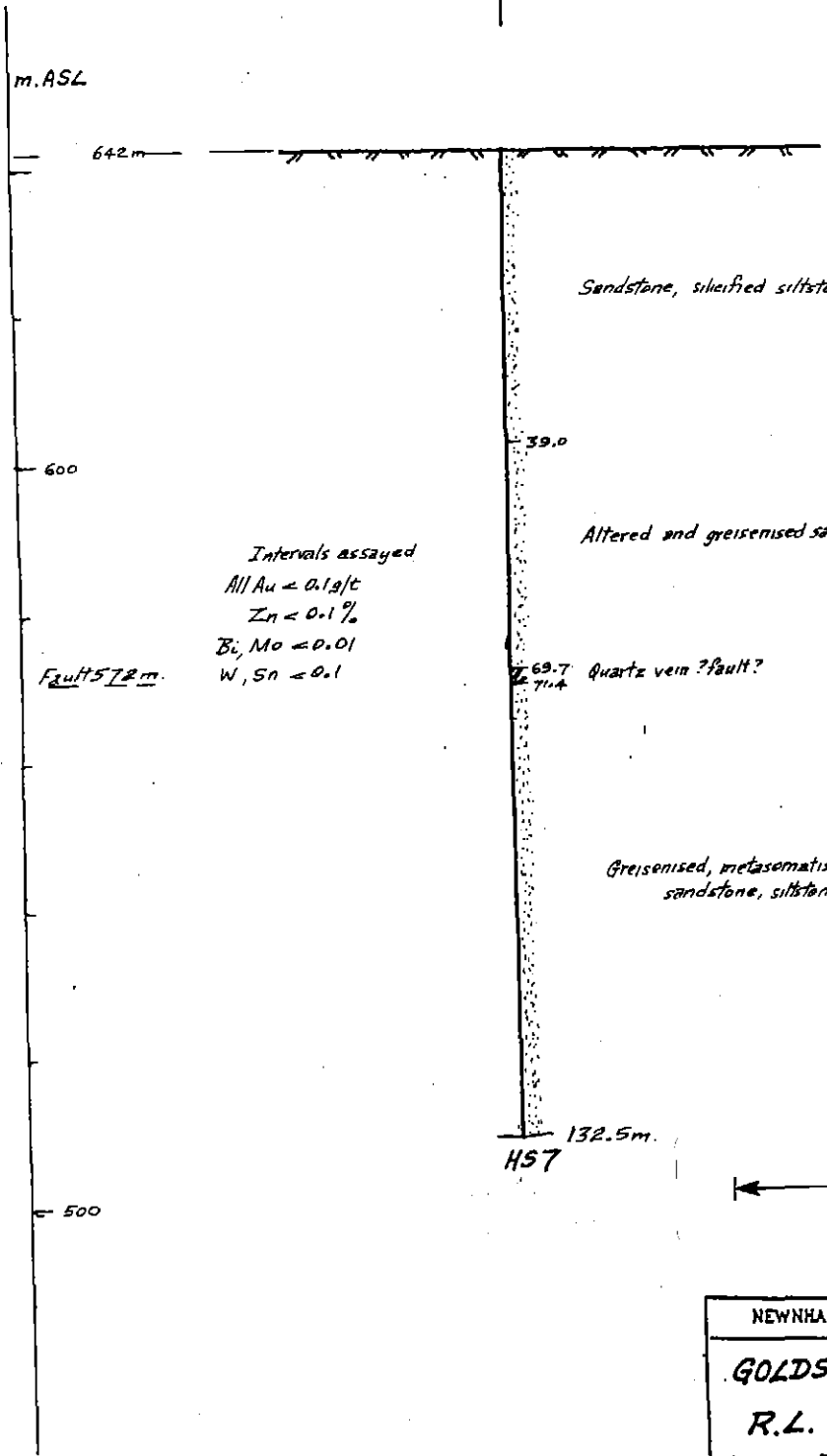
423.770E

○ HS7  
Collar 642RL

5,406,125N



PLAN  
Co-ords. approx. only  
no collar survey.



SECTION

5 cm

NEWNHAM EXPLORATION AND MINING SERVICES		
GOLDSTREAM-TITAN J/V.		
R.L. 8810-HUGO PROJECT		
DDH HS7		
10m	40m	Scale: 1:1000
Drawn: L.A. Newnham	Date: May 96	Figure:

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Description		Core Recovery			RGD			Assays								
From	To		From	To	%	From	To	%	From	To	Au	Zn	Bl	Mo	Sn	W
<b>SUMMARY LOG:</b>																
0.0	39.0	sandstone and silicified siltstone;														
39.0	69.7	altered and greisenised sandstone;														
69.7	71.4	quartz vein ?? fault??;														
71.4	132.5	greisenised and metasomatised sandstones and siltstones;														
<b>DETAILED LOG:</b>																
0.0	39.0	<b>SANDSTONE and SILICIFIED SILTSTONE:</b>														
		light gray pyritic sandstone grading down hole	0.0	1.6	88				15.0	16.0	<0.01	11	10	30	49	70
		into light gray-white fine grained silicified siltstone;	1.6	14.0	100											
		texture in upper section suggests some near vertical shearing; core fresh from the collar;	14.0	15.0	90				21.5	23.5	<0.01	5	<5	8	15	35
		0-8.4 m., light gray sandstone, several dominant fracture sets coated with limonite;	15.0	16.9	80											
		0.5% pervasive disseminated pyrite; 1-5 mm. vuggy quartz veins common;	16.9	18.2	100				31.5	32.5	<0.01	400	10	8	94	95
		8.4-15.2 m., softer, more broken orange-brown siltstone with clay component;	18.2	19.7	90											
		15.2-30.5 m., light gray-white very fine grained silicified siltstone, almost massive quartz in places;	19.7	20.5	50											
		1-10 mm. randomly orientated vuggy quartz veins common throughout giving unit cracked appearance;	20.5	22.8	95											
		one strong joint direction parallel to CA; most fracture surfaces and vuggy veins limonitic, probably after pyrite;	22.8	39.0	100											
		0.5-1% pyrite throughout as disseminated grains and small aggregates;														
		30.5-39.0 m., as above but with light brown-cream felspathic component;														
		1-2% pyrite;														
39.0	69.7	<b>ALTERED and GREISENISED SANDSTONE:</b>														
		intermixed mottled gray-green felspathic sandstone and light gray sandstone;	39.0	54.5	100				39.0	40.0	<0.01	115	10	4	79	70
			54.5	57.5	83				50.0	51.0	<0.01	37	10	65	26	30
			57.5	69.7	100				51.0	52.0	<0.01	65	10	8	58	40
									63.0	64.0	0.01	76	5	12	79	130

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au	Zn	Bi	Mo	Sn	W
39.0 cont.....	69.7	appears to be strongly altered / greisenised; felspathic component degraded to yellow-green clay; thin greisen veins and totally greisenised intervals consist of light silvery mica, quartz, possible topaz and amphibole; 1-2% pervasive pyrite as disseminated grains and small aggregates, infilling fractures and along margins of greisen veins; softer more felspathic units below 46 m., very broken due to their softer altered nature; reduced to NQ at 53.9 m; 57.0 m: 20 mm. quartz-mica greisen vein with minor pyrite and biotite; altered siltstones and sandstones from 46-69.7 m. pyritic, strongly sheared and very broken; shearing 70-80 CA, and accompanied by pyrite and sericite;														
69.7	71.4	<b>QUARTZ VEIN ?? FAULT??:</b> white-smokey gray quartz with 2-3% euhedral pyrite as disseminated grains or in thin pyrite-mica greisen veins at 70-80 CA; strong fracture direction parallel CA; core very broken;	69.7	71.4	100				70.0	71.5	<0.01	61	15	6	34	40
71.4	132.5	<b>GREISENISED and METASOMATISED SANDSTONES and SILTSTONES:</b> light gray silicified siltstones and sandstones; vague bedding trace at 79 m. 70 CA; mottled orange-yellow coloration in places due to alteration of felspathic sandstone; several widely spaced 20-50 mm. quartz veins; steeply dipping 2-10 mm. mica-pyrite greisen veins common with silvery mineral on margins in places; 1-2% pervasive pyrite as disseminated euhedral grains, and semi massive in thin greisen veins; <b>87.5-92.5 m.</b> , several massive 30-200 mm. white quartz veins at 60 CA; <b>93.5-98.0 m.</b> , strongly pyritic felspathic	71.4	93.5	100				87.5	89.0	0.11	45	<5	12	30	40
			93.5	95.6	85						<0.01					
			95.6	132.5	100				91.0	92.0	<0.01	51	<5	10	22	20
									93.5	95.5	<0.01	280	20	12	360	90
									97.0	98.0	<0.01	85	<5	4	8	25
									99.0	100.0	<0.01	100	5	56	26	15
									105.5	107.0	<0.01	200	<5	6	110	50
									114.0	115.5	<0.01	61	5	12	80	40

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