COMPANY: GOLDSTREAM MINING NL/TITAN RESOURCES NL
PROJECT: MOINA RL 8810
HOLE NUMBER: HS 5

Commenced:	Jan 96
Completed:	Jan 96
Logged By:	LA Newnham
Drilled By:	Dia. Drill Tas.

Purpose of Hole
To test the Hugo Skarn extension south east of SMD 16

Comments on Completion
.only 12m. of skarn were intersected and gold and zinc values in this interval were very low; sandstones in bottom half of hole cut by swarm of greisen veins carrying abundant coarse wolframite - molybdenite; only the major vein zones were assayed in the first instance;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5406100	423730	618	-90	-

co-ordinates approx. only- hole not surveyed

Length (m)
141.4

Hole Size	
To (m)	**Size**
63.0	HQ
141.4	NQ

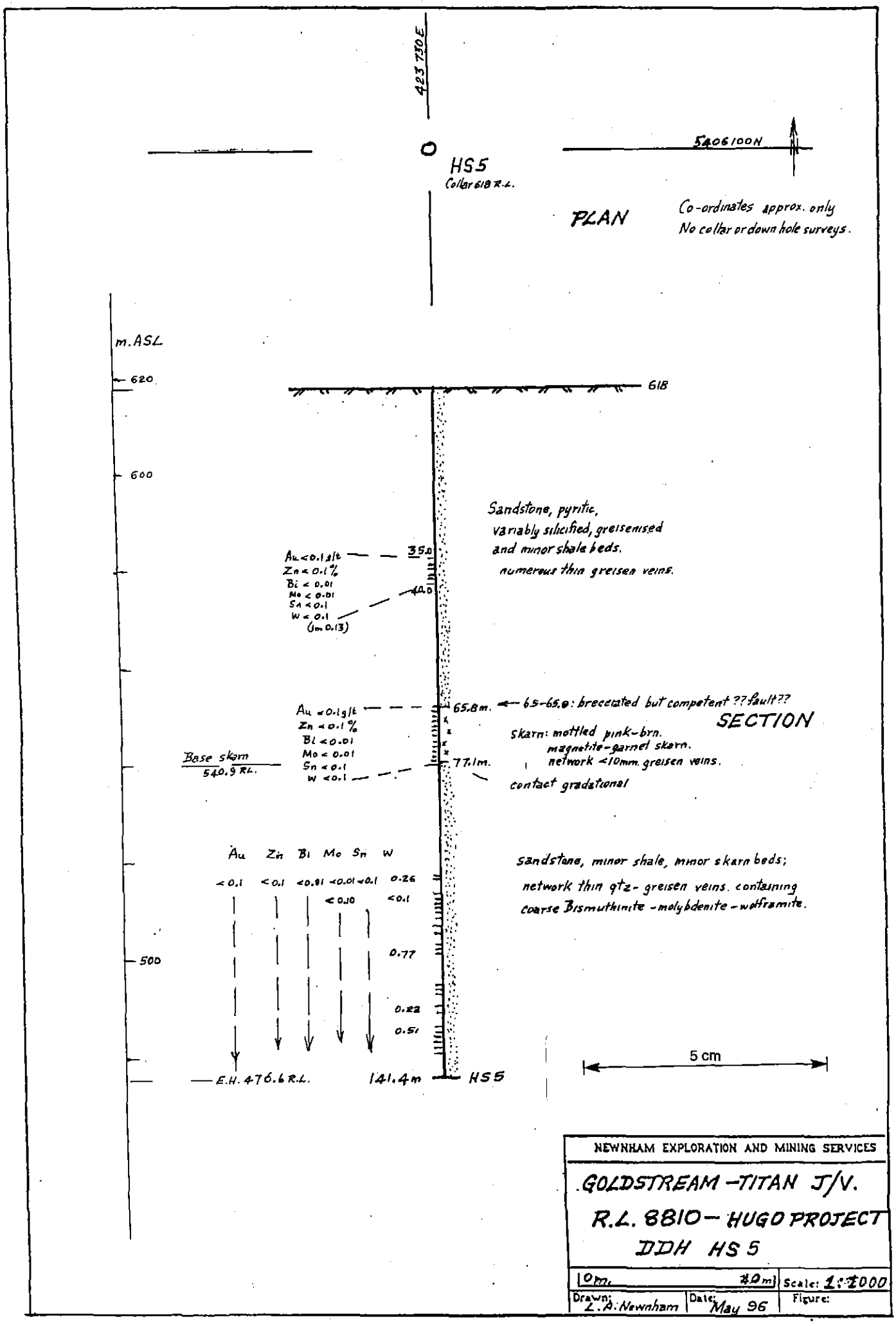
Significant Core Loss Zones		
From	**To**	**%Rec.**
0.0	12.4	minor loss-
see log		

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

Summary of Results

Depth		Recovery	Description	Assays							
From	**To**	**%**		**Length**	**W**	**Mo**					
			major quartz veins in Moina sandstone assayed:								
100.5	101.5	100	quartz-wolframite vein	1.0	0.26	0.08					
114.6	115.6	100	" " "	1.0	0.77	0.04					
127.5	128.9	100	" " "	1.4	0.22	0.03					
131.5	132.5	100	" " "	1.0	0.51	0.01					

243026


423 730E
5406 100N
HS5
Collar 618 R.L.
PLAN
Co-ordinates approx. only
No collar or down hole surveys.
m. ASL
620
600
500
618
Sandstone, pyritic, variably silicified, greisenised and minor shale beds.
numerous thin greisen veins.
Au < 0.1 g/t
Zn < 0.1 %
Bi < 0.01
Mo < 0.01
Sn < 0.1
W < 0.1
(1m 0.13)
35.0
40.0
65.8m.
65-65.8: brecciated but competent ?? fault ??
SECTION
Skarn: mottled pink-brn. magnetite-garnet skarn.
network < 10mm greisen veins.
Base skarn
540.9 R.L.
77.1m.
contact gradational
Au Zn Bi Mo Sn W
< 0.1 < 0.1 < 0.01 < 0.01 < 0.1 0.26
< 0.10 < 0.1
0.77
0.22
0.51
sandstone, minor shale, minor skarn beds;
network thin qtz-greisen veins. containing
coarse Bismuthinite - molybdenite - wolframite.
E.H. 476.6 R.L.
141.4m
HS5
5 cm
NEWNHAM EXPLORATION AND MINING SERVICES
GOLDSTREAM - TITAN J/V.
R.L. 8810 - HUGO PROJECT
DDH HS 5
10m
40m
Scale: 1:1000
Drawn: L.A. Newnham
Date: May 96
Figure:

COMPANY: GOLDSTREAM-TITAN
PROJECT: *MOINA RL 8810*
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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au	Zn	Bi	Mo	Sn	W
		SUMMARY LOG:														
0.0	65.8	sandstone														
65.8	77.1	skarn														
77.1	141.4	sandstone and shale with greisen veins														
		DETAILED LOG:														
0.0	65.8	**SANDSTONE:**														
		light-medium gray medium grained sandstone, silicified and greisenised;	0.0	1.3	30											
		cut by numerous <2 mm. quartz-mica greisen veins;	1.3	2.7	58											
		pyrite 1-2% but locally more abundant, as clots, aggregates and disseminated in greisen veins;	2.7	8.0	100											
		several darker zones of more intense greisenisation;	8.0	8.7	57											
		strongly jointed with limonite and pyrite on all joints; greisen veins commonly weathered to soft sericitic material;	8.7	9.4	87											
		below 11.0 m., dark green ?diopside?-pyritic greisen zones in sandstone common, resulting in core having blotchy appearance;	9.4	11.0	63											
		below 17.5 m., dark gray silicified shaley beds, interbedded with greisenised sandstone; 1-2% pyrite;	11.0	12.4	93											
		greisenisation (mica, fluorite, pyrite) increasing down hole, giving sandstone a very dark appearance; greisen veins common up to 5 mm., ocassionally with minor soft silvery mineral;	12.4	65.8	100											
		30-35 m., fine grained light brown sandstone unit with speckeled appearance due to soft dark brown spotting;							35.0	36.0	<0.01	53	<5	10	73	700
		below 35 m., darker greisen patches ocassionally with soft silvery mineral; thick intervals of brown-green coloration due to alteration of felspathic groundmass in sandstone to sericite?							36.0	37.0	<0.01	58	<5	26	81	1200
									37.0	38.0	<0.01	60	<5	14	99	220
									38.0	39.0	<0.01	65	<5	18	84	65
									39.0	40.0	0.010	48	<5	12	61	340
		below 46 m., grading to more uniform finer														

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au	Zn	Bi	Mo	Sn	W
0.0	65.8	grained sandstone;														
cont....	...	"fabric" in rock is 50-60 CA;														
		thin 1-2 mm. mica-fluorite-pyrite greisen														
		veins remain common;														
		below 50m., massive dark fine grained														
		sandstone;														
		63.4-65.8m., dark gray-green greisenised														
		felspathic sandstone with abundant thin dark														
		gray greisen veins semi parallel to CA;														
		below 65 m. core has a silicified brecciated														
		appearance but is very competent ?? fault??														
65.8	77.1	**SKARN:**														
		abrupt change to light brown-pink mottled	65.8	77.1	100				65.8	66.8	<0.01	110	<5	18	340	520
		idocrase-epidote-magnetite-?garnet skarn;							66.8	67.8	0.06	100	15	14	260	220
		cut by intense network thin <10mm. greisen							67.8	68.8	<0.01	54	<5	<3	400	80
		veins composed of magnetite-mica-fluorite-							68.8	69.8	0.03	80	10	<3	260	35
		chlorite;							69.8	70.8	0.02	46	<5	<3	220	80
		magnetite also occurs as large irregular							70.8	71.8	0.02	61	5	<3	360	<10
		masses in skarn;							71.8	72.8	<0.01	61	<5	<3	340	35
		minor coarse euhedral pyrite grains pervasive;							72.8	73.8	0.01	69	<5	<3	280	30
		greisen veins generally low angle 20-30 CA (ie)							73.8	74.8	0.04	91	10	6	240	20
		greisen veining is steep and appears							74.8	75.8	0.09	120	15	8	380	<10
		concentrated along two conjugate joint sets							75.8	76.8	0.01	65	<5	<3	400	<10
		each approx 20-30 CA.							76.8	77.8	0.03	760	40	<3	175	90
		several narrow zones of hard light gray calc-														
		silicate material;														
		patches of green chlorite becoming more														
		common towards base of unit;														
		no base metal mineralisation observed;														
		core reasonably competent;														
		crushed broken zone at base of unit;														
77.1	141.4	**ALTERED SANDSTONE, SHALE with**	77.1	141.4	100				100.5	101.5	0.01	67	<5	820	72	2600
		SWARM OF MINERALISED QUARTZ VEINS:														
		sequence of interbedded sandstone and shale;							104.5	105.5	<0.01	69	5	62	135	135
		intensely metasomatised (greisenised) and							105.5	106.5	<0.01	155	15	600	240	85
		intruded by swarm of narrow mineralised														
		quartz veins;							107.0	108.0	<0.01	220	10	195	340	165
		contact with skarn above appears gradational							108.0	109.0	<0.01	220	<5	80	240	80
		except for narrow broken zone on skarn FW;														
		77.1-88.0m. *mottled micaceous sandstone*														
		and interbedded shale and calc silicate; high							111.6	112.6	<0.01	110	<5	720	60	440

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Description			Core Recovery			RQD			Assays							
From	To		From	To	%	From	To	%	From	To	Au	Zn	Bi	Mo	Sn	W
77.1 cont.....	141.4	angled (20 CA) <5 mm. greisen veins common, filled with mica-quartz-fluorite; bedding 70-80 CA; **88-141.4 m.** altered sandstone with minor shaley beds, generally dark gray and medium grained and micaceous; pervasive purple fluorite spotting throughout; 0.5-1% coarse euhedral pyrite as clots, aggregates and individual grains; unit cut by a swarm of greisen veins varying in thickness from 1-200 mm., composed mainly of quartz-fluorite-mica-topaz-pyrite and abundant wolframite and molybdenite; wolframite is often present as large crystals, constituting up to 10% of the vein; wolframite typically accompanied by coarse blebs of molybdenite; major veins: 101.1-101.4: quartz-fluorite-topaz-pyrite-mica vein with abundant coarse wolframite and moly. 107.4: 20 mm. 112.0: 20 mm. 114.8: 20 mm. 123.3: 5-10 mm. 128.5: 5-10 mm 131.7: 15-20 mm. 136.0: 15 mm. most veins 20-30 CA; cumulatively, veins represent approximately 5% of core; core generally competent but several broken clayey zones due to fracturing along sericitic joints and veins; purple fluorite spotting and mineralised veins continue to end of hole (ie) hole still in strongly metasomatised sandstone-shale unit with mineralised steep dipping greisen veins; **END OF HOLE**							114.6	115.6	<0.01	89	<5	440	52	7700
									115.6	116.6	<0.01	64	<5	16	57	100
									123.0	124.0	<0.01	40	<5	115	26	70
									124.0	125.0	<0.01	41	<5	30	37	125
									127.5	128.9	<0.01	40	<5	280	24	2200
									131.5	132.5	<0.01	72	5	110	62	5100
									133.5	134.5	0.01	100	25	20	60	110
									135.4	136.9	<0.01	48	<5	18	42	720