COMPANY: GOLDSTREAM MINING NL/TITAN RESOURCES NL
PROJECT: MOINA RL 8810
HOLE NUMBER: HS 6

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

Purpose of Hole
To test the Hugo Skarn between SMD 16 and HS 5

Comments on Completion
.100 v.m. skarn zone intersected; minor Au and Zn near HW of skarn within a 83 v.m. gold anomalous zone; this zone also tin anomalous; bottom half of skarn W anomalous; minor Zn in sandstone above skarn;

Collar Details

Grid	Northing	Easting	Elevation	Dip	Bearing
AMG	5406233	423650	612	-90	-

co-ordinates approx. only- hole not surveyed

Length (m)
151.1

Hole Size	
To (m)	**Size**
41.9	HQ
151.1	NQ

Significant Core Loss Zones		
From	**To**	**%Rec.**
0.0	5.2	severe loss <50%
5.2	19.8	minor loss

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

Summary of Results

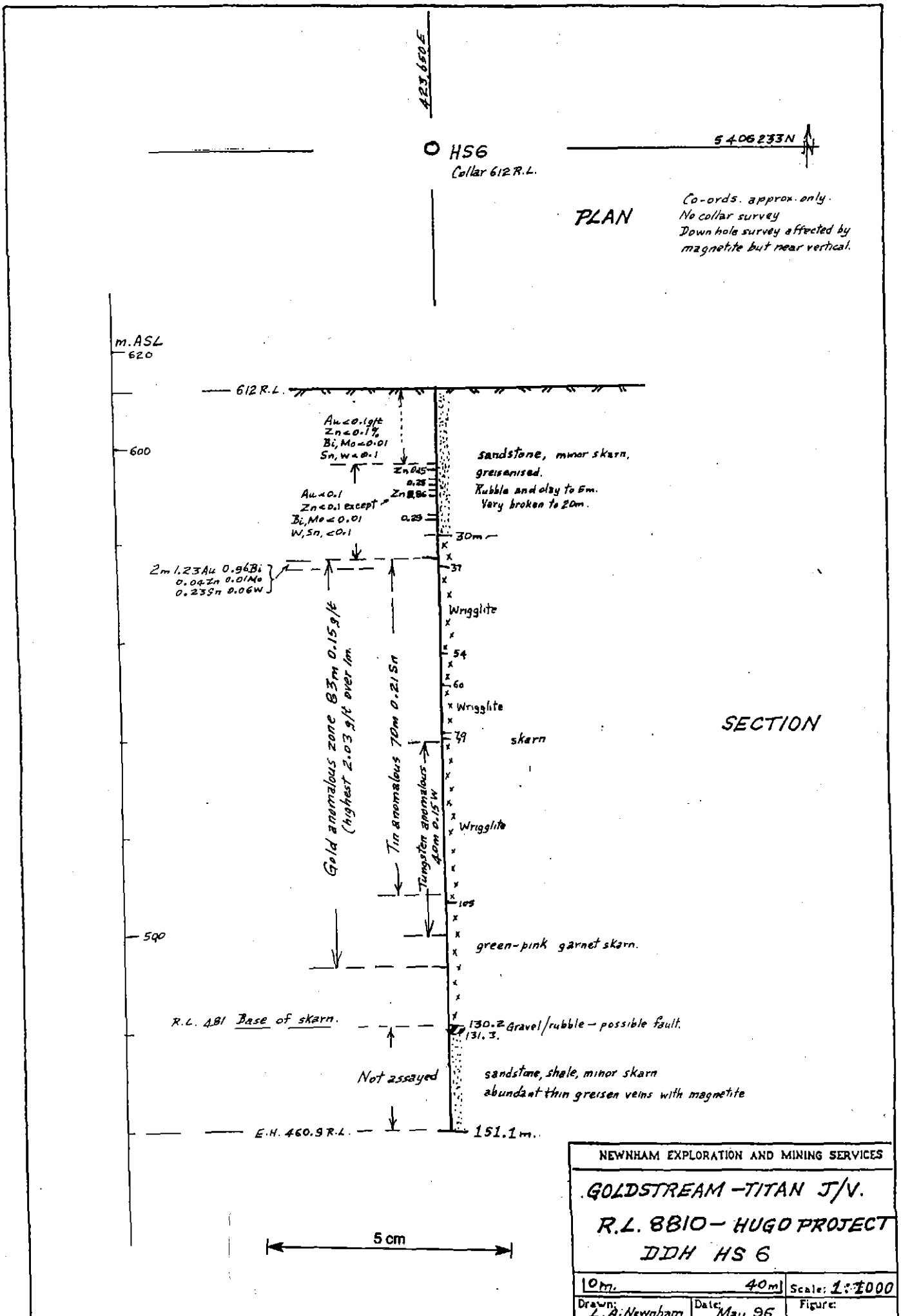
Depth		Recovery	Description	Assays							
From	**To**	**%**		**Length**	**Au**	**Zn**	**Bi**	**Mo**	**Sn**	**W**	
35.0	118.0	100	skarn	83.0	0.15						
35.0	37.0	100		2.0	1.23	0.04	0.96	0.01	0.23	0.06	
41.0	44.0	100		3.0	0.1	0.28	0.1		0.15	0.08	
34.0	104.0	100		70.0					0.21		
72.0	112.0	100		40.0						0.15	

DOWN HOLE SURVEY DATA

COMPANY: Goldstream Mining N.L.-Titan Resources N.L.
PROJECT: Hugo Skarn
HOLE NUMBER: HS 6

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	-90	0					612.00		0.00		5,406,233.0		423,650.0
0	-90		0	51	51	51.00	561.00	0.00	0.00	0.00	5,406,233.0	0.00	423,650.0
102	-89.5	325	51	126	75	75.00	486.00	0.65	0.65	0.54	5,406,233.5	-0.38	423,649.6
150	-89.5	324	126	150.55	24.55	24.55	461.45	0.21	0.87	0.17	5,406,233.7	-0.13	423,649.5
151.1	-89.5	324	150.55	151.1	0.55	0.55	460.90	0.00	0.87	0.00	5,406,233.7	-0.00	423,649.5
151.1													

243032


423,650E
HS6
Collar 612 R.L.
5406233N
PLAN
Co-ords. approx. only.
No collar survey
Down hole survey affected by magnetite but near vertical.
m.ASL
620
600
590
612 R.L.
Au <0.1g/t
Zn <0.1%
Bi, Mo <0.01
Sn, W <0.1
Zn 0.45
0.25
Zn 2.86
Au <0.1
Zn <0.1 except
Bi, Mo <0.01
W, Sn, <0.1
0.29
sandstone, minor skarn, greisenised.
Rubble and clay to 6m.
Very broken to 20m.
30m
2m 1.23Au 0.96Bi
0.04Zn 0.01Mo
0.23Sn 0.06W
37
Wrigglite
54
60
Wrigglite
79
skarn
Wrigglite
105
Gold anomalous zone 83m 0.15g/t (highest 2.03 g/t over 1m.
Tin anomalous 70m 0.21Sn
Tungsten anomalous 40m 0.15W
green-pink garnet skarn.
R.L. 481 Base of skarn.
130.2
131.3
Gravel/rubble – possible fault.
Not assayed
sandstone, shale, minor skarn
abundant thin greisen veins with magnetite
E.H. 460.9 R.L.
151.1m.
SECTION
5 cm
NEWNHAM EXPLORATION AND MINING SERVICES
GOLDSTREAM – TITAN J/V.
R.L. 8810 – HUGO PROJECT
DDH HS 6
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	30.0	sandstone and minor skarn														
30.0	130.2	skarn														
130.2	131.3	? fault zone?														
131.3	151.1	sandstone, minor shale,skarn														
		DETAILED LOG:														
0.0	5.2	**SAND, CLAY, SANDSTONE RUBBLE:** limonitic clayey sands with ocassional lumps	0.0	1.2	45				0.0	3.7	<0.01	640	10	8	110	30
		light gray sandstone:	1.2	2.2	0											
		very poor core recovery;	2.2	3.7	33											
			3.7	5.2	0											
5.2	30.0	**GREISENISED SANDSTONE and minor skarn beds:**	5.2	6.2	80				5.2	6.2	<0.01	125	<5	6	300	40
		light gray, medium grained sandstone	6.2	9.1	100				6.2	7.2	<0.01	125	<5	<3	26	<10
		interbedded with weathered green-brown	9.1	11.1	85				7.2	8.2	0.02	46	<5	<3	20	20
		skarn units consisting dominantly of talc-	11.1	12.6	100				8.2	9.2	0.01	150	20	20	135	50
		chlorite-magnetite-idocrase?;	12.6	13.7	64				9.2	10.2	0.01	150	10	10	115	25
		greisen veins up to 20 mm. common	13.7	16.6	100				10.2	11.2	0.01	200	10	6	135	35
		throughout, at 40 and 60 CA, consisting	16.6	18.0	72				11.2	12.2	0.01	240	10	12	175	25
		mainly of silvery mica-quartz-fluorite;	18.6	19.8	60				12.2	13.2	0.01	240	5	4	63	50
		pyrite common along joint surfaces,	19.8	30.0	100				13.2	14.2	0.01	320	5	6	90	105
		ocassionally along margins of greisen veins							14.2	15.2	<0.01	240	5	48	92	85
		and as large aggregates in some sandstone							15.2	16.2	0.01	1500	10	52	99	380
		beds;							16.2	18.0	<0.01	105	15	12	560	240
		core very broken and weathered to 19 m., then							18.0	19.0	<0.01	150	10	4	700	240
		becomes more competent and fresher;							19.0	20.0	0.01	2500	20	51	93	190
		joint surfaces near top of hole coated with							20.0	21.0	0.01	97	15	52	80	280
		bluish gray ??Mn material;							21.0	22.0	0.02	8600	100	34	360	820
		below 27 m., greisen veins become abundant							22.0	23.0	<0.01	86	15	81	155	90
		and darker- generally with fluorite-quartz core							23.0	24.0	<0.01	125	15	40	400	260
		and dark mica margins;							24.0	25.0	<0.01	150	15	64	520	105
		increase in magnetite content below 29m.;							25.0	26.0	<0.01	57	5	53	47	195
		sharp conformable contact with skarn unit							26.0	27.0	<0.01	2900	10	51	89	200
		below;							27.0	28.0	<0.01	125	5	185	260	380
30.0	130.2	**SKARN:**	30.0	130.2	100				28.0	29.0	<0.01	125	<5	130	155	380
		sharp conformable contact with unit above;														

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From	To		From	To	%	From	To	%	From	To	Au	Zn	Bi	Mo	Sn	W
30.0 cont.....	130.2	**30-36.7m.** mottled light brown-green-black chlorite,diopside, magnetite skarn; wrigglite textures in places; upper section of unit cut by 1-20 mm. greisen veins 60 CA, with light gray quartz-felspar-?topaz cores and dark gray magnetite-mica margins; **below 34.5m.,** proportion of magnetite increases with 1-2% soft silvery mineral ?? bismuthinite, as disseminated grains and small aggregates; **from 36.7m.,** wrigglite skarn; cut by numerous pink felspar veins and minor topaz-quartz-mica greisen veins; wrigglite is defined as a dark gray magnetite-fluorite skarn with a characteristic swirling texture; patches and veins of mica-topaz greisen with soft green talcose mineral common; some sections of wrigglite have common pyrite as clots and veinlets conformable with wrigglite texture; pink felspar veins typically have green altered cores; **54.4-60.3 m.,** mottled green-light brown-black chlorite-talc-diopside-magnetite skarn, cut by altered pink felspar veins and some patches wrigglite; minor pyrite <5% as disseminated grains and small aggregates; **60.3-69.5 m.,** massive dark gray-black wrigglite; **below 69.5 m.,** wrigglite and pyroxene-magnetite skarn intermixed, and cut by numerous pink felspar veins at variable angles; trace bismuthinite?? in feldspar veins; very coarse zoned pyroxene crystals in places (eg) 78.4m. 0.5-1% pyrite and trace chalcopyrite as grains and clusters in wrigglite; dark gray-black mineral with white streak in pyroxene skarn at 70-71m; **71-84m.,** massive wrigglite skarn with																
									29.0	30.0	<0.01	760	140	32	560	220
									30.0	31.0	<0.01	130	<5	66	420	280
									31.0	32.0	<0.01	240	<5	86	580	580
									32.0	33.0	<0.01	120	<5	50	760	580
									33.0	34.0	<0.01	125	80	<3	900	20
									34.0	35.0	0.06	185	380	40	1000	420
									35.0	36.0	2.03	440	12400	76	2600	820
									36.0	37.0	0.43	400	6900	160	2100	380
									37.0	38.0	0.07	320	820	61	1200	880
									38.0	39.0	0.02	170	540	51	2000	480
									39.0	40.0	0.07	220	560	87	1500	1200
									40.0	41.0	0.05	640	1200	66	1100	500
									41.0	42.0	0.06	2800	940	46	1500	860
									42.0	44.0	0.12	2800	1100	46	1500	840
									44.0	46.0	0.02	150	680	52	2300	400
									46.0	48.0	<0.01	90	500	40	1100	600
									48.0	50.0	0.12	150	680	38	1700	500
									50.0	52.0	0.10	160	360	36	2300	320
									52.0	54.0	0.16	185	520	44	1600	700
									54.0	56.0	0.14	195	880	22	2000	400
									56.0	58.0	0.04	135	320	14	3200	320
									58.0	60.0	0.10	180	400	8	4100	175
									60.0	62.0	0.05	1500	640	16	2300	320
									62.0	64.0	0.05	180	740	4	3900	540
									64.0	66.0	0.13	160	600	18	1700	320
									66.0	68.0	0.09	200	660	16	2200	580
									68.0	70.0	0.14	460	780	18	2200	560
									70.0	72.0	0.09	300	560	20	2400	400
									72.0	74.0	0.32	180	1400	67	1800	1100
									74.0	76.0	0.07	170	480	64	1700	820
									76.0	78.0	0.10	165	680	66	1600	860
									78.0	80.0	0.05	780	360	105	1600	1900
									80.0	82.0	0.18	980	600	38	2400	720
									82.0	84.0	0.12	680	720	100	2200	920
									84.0	86.0	0.04	1500	700	155	2100	1300
									86.0	88.0	0.02	260	580	200	1900	660
									88.0	90.0	0.01	175	340	240	3900	360
									90.0	92.0	0.03	150	360	340	1600	1200

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From	To		From	To	%	From	To	%	From	To	Au	Zn	Bi	Mo	Sn	W
30.0 cont.....	130.2	numerous 1-5mm. pink felspar veins;														
		84-104.6m., wrigglite skarn cut by numerous							92.0	94.0	0.01	160	300	260	2600	1200
		5-30mm. quartz-fluorite-topaz?-mica veins							94.0	96.0	0.02	135	480	640	1500	2800
		containing significant molybdenite-							96.0	98.0	0.04	96	320	860	2300	2000
		bismuthinite-wolframite mineralisation;							98.0	100.0	0.08	165	680	180	3200	2400
		wolframite crystals up to10 mm. long;							100.0	102.0	0.01	200	500	100	1600	2700
		these veins typically 50-60 CA (ie) moderately							102.0	104.0	0.11	240	600	125	1400	1100
		flat;														
		core very broken 103-104.6 m., but appears to														
		be fracturing along talcy joint surfaces rather														
		than faulting;														
		104.6-127.0 m., mottled pink-green-brown														
		pyroxene-amphibole-garnet skarn cut by							104.0	106.0	0.08	240	420	180	940	1100
		numerous greisen veins, typically containing							106.0	108.0	1.06	75	2400	380	760	800
		significant molybdenite-wolframite;							108.0	110.0	0.07	69	300	93	660	220
		pervasive clots dark green-black mineral,							110.0	112.0	0.16	65	240	380	740	5300
		probably an amphibole;							112.0	114.0	0.16	87	640	16	780	65
		greisen veins 40-60 CA, with dark magnetite							114.0	116.0	0.50	67	480	195	340	780
		margins and white mica-quartz-topaz?-soft							116.0	118.0	0.25	69	130	150	280	580
		bright green mineral cores; molybdenite and							118.0	120.0	0.07	110	65	520	300	1300
		wolframite common;							120.0	122.0	0.02	105	35	300	220	440
		greisen veins 10-50 mm. and constitute up to							122.0	124.0	0.01	95	170	28	280	135
		10%of rock;							124.0	126.0	0.06	100	280	28	220	420
		massive 100 mm. wide greisen veins at 119.4														
		and 126.5 m., containing abundant														
		molybdenite;														
		ocassional steeper white quartz-fluorite veins														
		70 CA;														
		minor disseminated molybdenite in skarn;														
		core competent to 117.5 m. then quite broken														
		along talcy - sericitic joint surfaces and														
		narrow shear zones; molybdenite common on														
		some fracture surfaces;														
		127-130.2 m., dark gray-black calc silicate														
		and wrigglite cut by numerous quartz -mica-														
		topaz? greisen veins 45 CA, up to 75 mm.														
		wide and constituting up to 10% of unit;							126.0	128.0	0.04	220	70	1600	175	1600
		veins contain abundant molybdenite and							128.0	130.0	0.04	280	25	1100	200	620
		wolframite;														
		moly also common on joint surfaces and in														
		narrow shear zones;														

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From	To		From	To	%	From	To	%	From	To	Au	Zn	Bi	Mo	Sn	W
130.2	131.3	**GRAVEL, RUBBLE, MUD, POSSIBLE FAULT** unit consisting entirely of brown mud, finely fragmented rock and sand;	130.2	131.3	100											
131.3	151.1	**SANDSTONE, SHALE, minor calc-silicate and skarn:**	131.3	132.5	100											
		131.3-132.5 m., soft greenish-brown rock (skarn) cut by several greisen veins withmagnetite-amphibole margins and pink quartz-fluorite-topaz? cores; minor molybdenite;	132.5	134.0	66											
		below 132.5 m., sequence of greisenised sandstone and shale, latter with convoluted bedding and mottled appearance; sandstone has light greenish appearance and is cut by abundant thin dark gray-black greisen veins 1-10 mm. wide, mainly amphibole-magnetite, minor mica-quartz-topaz?-molybdenite-crystalline wolframite; greisen veining and accompanying mineralisation not as abundant as in skarn unit above; unit generally very broken along conjugate joint sets 60 CA and third set 30 CA; joints commonly clay coated;	134.0	151.1	100											
		END OF HOLE														