

84-1352-13152

ASSESSMENT ON THE STUMP LAKE PROJECT  
NICOLA MINING DIVISION  
TRENCHING, DRILLING, GEOPHYSICAL, AND GECHEMICAL REPORTS

N.T.S.: 921/8W

LATITUDE: 50°20'N; LONGITUDE: 120°22'W

OWNER: CELEBRITY ENERGY CORP. AND MAURICE MATHIEU  
812-475 HOWE ST. BOX 1101  
VANCOUVER, B.C. MERRITT, B.C.  
V6C 2B3 VOK 2B0

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DATE OF REPORT: OCTOBER 11, 1984

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

13,152

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of 2

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## A) PHYSICAL WORK

METRIC DIMENSIONS OF TRENCHES

<u>SOUTH GROUP</u>	<u>LENGTH</u>	<u>WIDTH</u>	<u>DEPTH</u>	<u>TOTAL VOLUME</u>
Trench 84-1	24	5	2	240
Trench 84-2	39	5	2	390
Trench 84-3	34	5	1.5	255
Trench 84-4	24	5	3	360
Trench 84-5	34	5	3	510
Trench 84-6	35	5	2	350
Trench 84-7	30	5	1.5	225
Trench 84-8	22	5	1.5	165
Trench 84-9	36.5	5	3.5	<u>638.75</u>
			Total Volume	3,133.75
<u>NORTH GROUP</u>				
Trench 84-10	35	5	1.5	262.5
Trench 84-11	31	5	1.5	232.5
Trench 84-12	4	3	3	36
Trench 84-13	4	3	3	36
Trench 84-14	40	5	2	400
Trench 84-15	46	5	4	920
Trench 84-16	32.5	5	1.5	243.75
Trench 84-17	17	5	3	255
Trench 84-18	29	5	1	145
Trench 84-19	35.5	5	3	<u>532.5</u>
			Total Volume	3,063.25

ITEMIZED COST STATEMENTTRENCHINGSOUTH GROUPApril 26 - April 30, 1984

- Cat rental; D-6D; 3½ days work @ 10 hours/day @ \$65.00/hour	\$4,550.00
- Trench work in earth and/or gravel; 3133.75 cubic metres @ 20.00/cubic metre	\$62,675.00
- Truck rental for cat skinner; fuel inclusive; 3½ days @ \$40.00 per day	140.00

GEOLOGIST, PETER HANNIGAN

Supervision of trenching; 3½ days @ 190.00/day	<u>\$665.00</u>
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TOTAL FOR SOUTH GROUP:	\$68,030.00
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NORTH GROUPApril 30 - May 4, 1984

- Cat rental; D-6D; 3½ days work @ 10 hours/day @ \$65.00/hour	\$4,550.00
- Trench work in earth and/or gravel; 3063.25 cubic metres @ \$20.00/cubic metre	\$61,265.00
- truck rental; catskinner; fuel inclusive 3½ days @ 40.00 per	\$140.00

GEOLOGIST, PETER HANNIGAN

Supervision of trenching, 3½ days @ \$190/day	<u>\$665.00</u>
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TOTAL FOR NORTH GROUP:	\$66,620.00
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## B) DRILLING REPORT

I. INTRODUCTIONa) Geography and Physiography

The Stump Lake area is located in southwestern British Columbia forty kilometres northeast of Merritt and about the same distance south of Kamloops. Highway 5 passes through the western portion of the claim group. Both towns have rail service and scheduled airlines service in Kamloops. Logging and ranch roads give good access to most parts of the property. (See figure B-1).

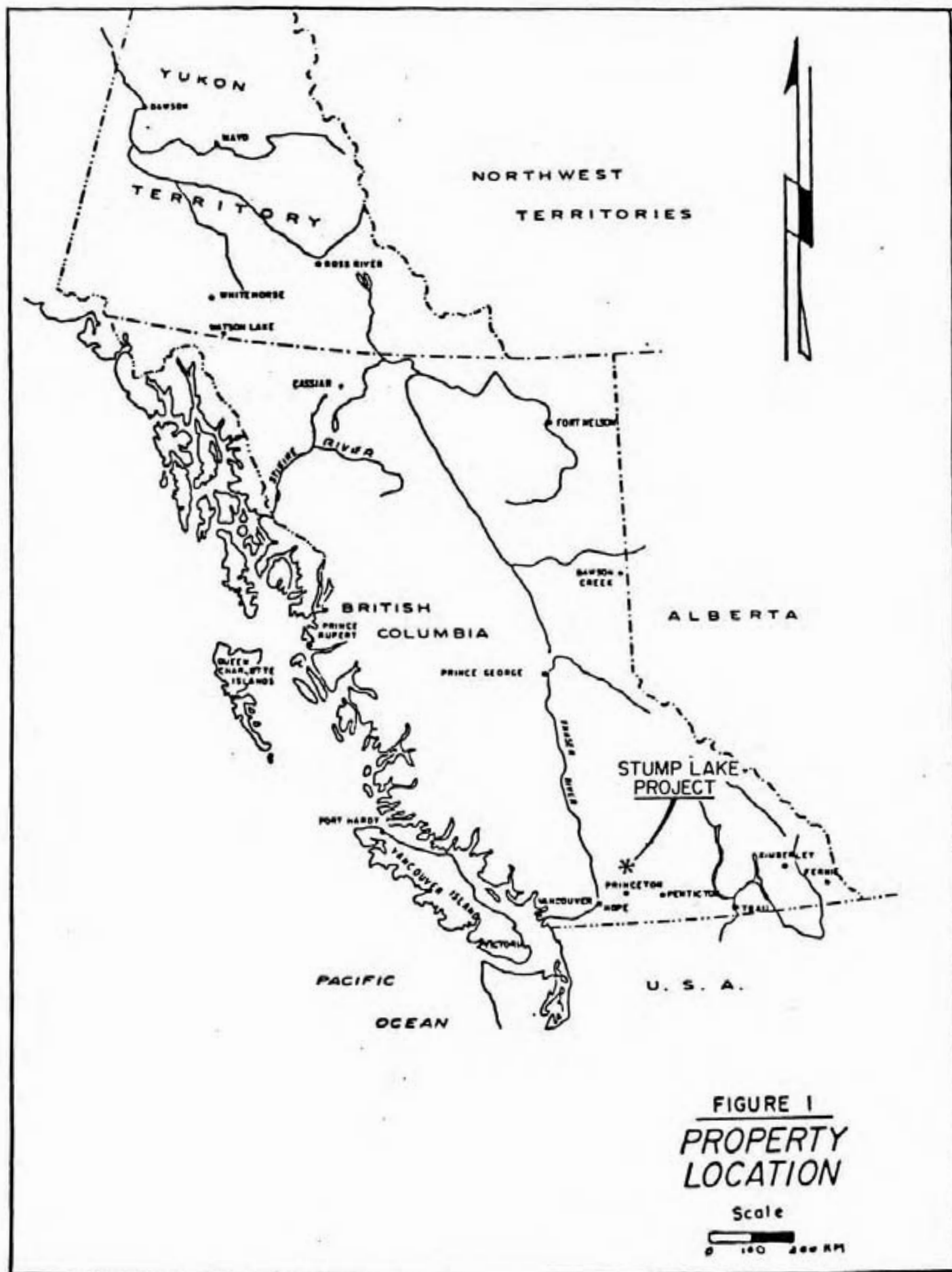
The property occurs on the southern portion of the interior plateau of British Columbia. From the southeast shore of Stump Lake, the property extends about six kilometres to the southeast along the Nicola Valley. The higher areas are sparsely treed while the lower areas consist of open grassland. The elevation varies from 720 to 900 metres above sea level.

The Stump Lake group consists of five modified grid claims which cover a series of crown grant mineral claims (55 in total). There are also two two-post claims. (see figure B-2).

b) History and Previous Work

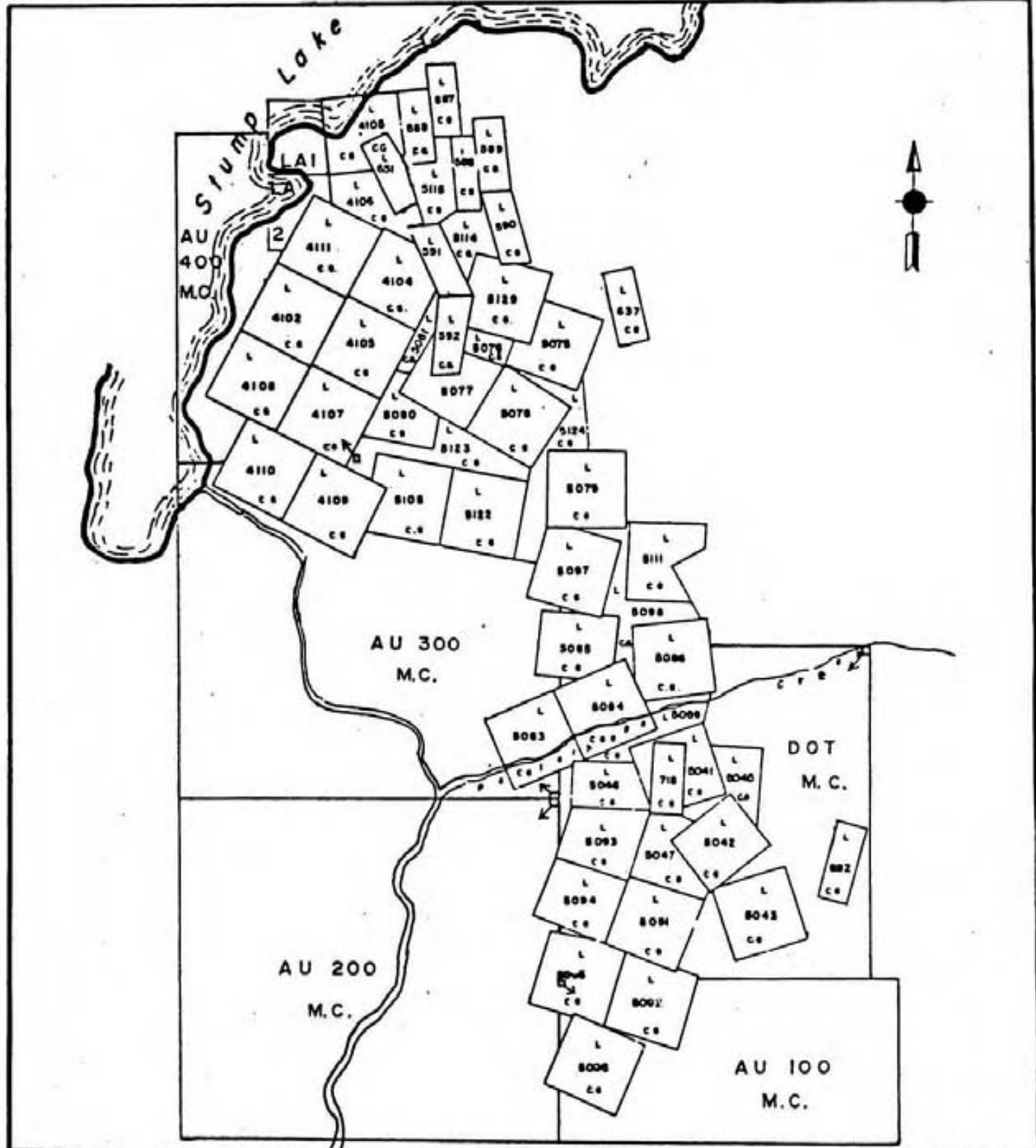
The property has had various owners from the 1880's and has produced at various times. Original claim staking occurred between 1882 and 1885. Nicola Mining and Milling Company performed the first major development on the property prior to 1890 by sinking the Joshua, Tubal Cain and King William Shafts. At the same time, Star Company sunk the Star (Enterprise) and Planet Shafts. In the interval between 1890 and 1916, little work was accomplished. Then in 1916, Donahue Mines Company Limited started to develop the Joshua and Tubal Cain veins. A mill was constructed but work was suspended in 1920.

Then, in 1925, Planet Mines and Reduction Company Limited worked on the Enterprise vein. The shaft was



**FIGURE 1**  
**PROPERTY**  
**LOCATION**





**SCALE**

1:50 000



**CLAIM MAP**

**STUMP LAKE CLAIMS**

Fig. 2

deepened to 320 feet and the crosscut adit was excavated. A mill was constructed and operated from 1929 to 1931. Nicola Mines and Metals Company acquired the property in 1931 and continued development work on the Enterprise and also restarted development work on the Joshua and Tubal Cain veins. Production occurred at this time. A reorganization took place in 1937 where Consolidated Nicola Goldfields Limited acquired the property. Between 1939 and 1942, there was more development and the mill was rebuilt. Operations were suspended in 1942.

Between 1935 and 1936, the Jenny Long vein was separately developed by Kootenay Nevada Company.

Since 1942, various companies have performed work on the property, particularly Stump Lake Mines Ltd. and Copper Hill Mining and Exploration, but it was only limited surface work. In 1974, Juniper Mines Ltd. geologically mapped the property at a scale of one inch to 400 feet.

A diamond drill hole about 100 metres long intersected the vein zone in the Jenny Long area. No drill information is available, however. Juniper Mines apparently halted work in 1975.

From 1975 to 1983, various companies have controlled parts of the camp. The only significant work recorded were two diamond drill holes in the Azela claim.

Production figures have been compiled by the B.C. Department of Mines. 77,605 tons of ore was mined, yielding 8,494 ounces of gold, 252,939 ounces of silver, 40,822 pounds of copper, 2,206,555 pounds of lead and 367,869 pounds of zinc. Grade recovered was 0.109 ounces/ton gold, 3.26 ounces/ton silver, 0.026% copper, 1.42% lead and 0.24% zinc. Production occurred between 1916 and 1944 and came exclusively from the Enterprise, King William, Tubal Cain and Joshua veins.

A 35-ton mill was constructed on the Jenny Long property in the mid-1930's but no production record is available.

In 1983, Celebrity Energy Corporation acquired the

Stump Lake Property. A grid was erected across the whole property, with a picketline interval of 100 metres and a baseline interval of 800 metres. Pickets were erected every 20 metres.

A geological grid map was constructed by the author (see Maps # 1-A, B, D). For a discussion of regional and local geology, please refer to appropriate section in geophysical report in this assessment report. (Section D).

Thirteen diamond drill holes were completed on the Stump Lake property in 1984. BQ core size was used and 1019.2 metres were drilled.

The claims upon which drilling was performed are as follows:

SOUTH GROUP

<u>CLAIM NAME</u>	<u>RECORD NO.</u>
Scotia	686
Au #100	1338

NORTH GROUP

No Surrender	357
Maybelle Fraction	363
Sheelah	369

II. DETAILED TECHNICAL DATA AND INTERPRETATION

After abundant surface work, such as geological mapping, EM and magnetometer geophysical surveys, soil geochemistry, and cat trenching; drilling was then recommended in areas of interest.

a) South Survey area.

Five drill holes totalling 434.8 metres were completed in this area. A high geochemical anomaly and electromagnetic conductors as well as magnetic anomalies were delineated in this area. Narrow magnetic lows may suggest faults and/or alteration zones which are significant for areas of mineral potential.

Diamond drill hole #84-1 was drilled on a weak EM conductor and a general magnetic high. Geochem was not particularly anomalous at this locality. The hole was abandoned before it intersected the conductor because of severe faulting and caving. No impressive assay results were encountered.

Diamond drill hole #84-2 was drilled on the same anomaly but in the opposite direction. This hole was successful in intersecting the geophysical anomalies. Altered zones were encountered halfway down the hole and continued to the end. Bleached pyritiferous quartz and pyrite-rich material constituted the altered greenstone. Grey sulphides were noted in parts. Silver values of 0.35 and 0.15 and 0.26 ounces/ton were assayed.

Diamond drill holes #84-3 and 4 were testing a conductor with a reasonably strong response. These holes were drilled from the same set-up. Altered zones were encountered in both holes. Fault gouge and brecciated zones were also delineated in these holes. Mineralization seemed to be associated with alteration zones as well as quartz veins. An assay of 0.58 ounces/ton silver was intersected in hole #4 over 0.4 metres. This significant value corresponded with a brecciated quartz vein. In hole #3, significant silver values were 0.15 ounces/ton over 0.6 metres and 0.26 ounces/ton over 0.6 metres. Here, there are 2 quartz -(carbonate) veins with 5 percent volume pyrite and magnetite. Wallrock also contains 5% pyrite.

The next drill hole (84-5) occurred on a conductor with good copper, zinc and silver geochemical values. The drill hole is also under a trench that was excavated and mapped by Celebrity in 1984. This trench showed strong carbonate alteration with abundant quartz veins, lenses and pods with no preferred direction. Quartz flooding along shears and fractures in a shatter zone above a buried intrusive may explain the quartz emplacement. Sulphides (pyrite, chalcopyrite, and

sphalerite) are abundant as fracture-fillers. Assay values returned are 0.96, 2.83 and 0.20 ounces/ton silver, 1.02% copper and 0.80% zinc.

The drill hole itself encountered extensive intersections of healed brecciated zones. Abundant quartz-carbonate fracture fillers occur in the brecciated zones. Some of the zones are highly altered and bleached. Pyrite is abundant while chalcopyrite occurs in parts. Significant intersections are 0.18 ounces/ton silver over 1.0 metre and 0.29 ounces/ton silver over 1.0 metre. These intersections occur in the altered brecciated zones.

b) North Survey Area.

A time-domain electromagnetometer survey was conducted over 14.5 kilometers over this northern group. Numerous conductors were delineated and they correlate quite well with old workings and geochemical anomalies.

The first drill hole (DDH #84-6) tested a conductor that could be an extension of the Tubal Cain vein system. The conductor was defined as the best confined conductive response. The hole intersected the conductor near the bottom of the hole as noted by the presence of abundant sulphides. Chalcopyrite and grey sulphides seem to be exclusively associated with quartz veins. Highly altered porphyritic greenstone are present as wallrocks. A significant intersection of mineralization assayed 2.10 ounces/ton silver and 1.75% lead over 1.2 metres.

Diamond drill hole #84-7 was offset from Hole #6 by 50 metres to the north and the same conductor was tested. Highly altered brecciated material with abundant pyrite, and minor galena and chalcopyrite assayed 0.26 ounces/ton silver over 0.8 metres. Significant quartz veins are not apparent in this hole.

The next hole (DDH #84-8) was also drilled on the same conductor but in the opposite direction. Quartz veins were encountered right at the overburden/bedrock

interface which would represent the Joshua vein system. Altered bands and fault gouge were noted in this section as well. Poor assay results were obtained.

Further downhole, an extensive altered band was encountered with quartz veins and veinlets and shearing. Three to five percent pyrite and very minor gray sulphides were noted. This would correspond with the conductor and Tubal Cain vein system. Again assay results were disappointing.

An attempt was made to test the first vein system from diamond drill hole #8 in diamond drill hole #9. The vein system was encountered as two mineralized veins. These veins consisted of white quartz that contained blebs of sulphides. One vein assayed 4.87 ounces/ton silver, 0.89% lead and 0.23% zinc over 35 centimetres. The other vein assayed 0.068 ounces/ton gold and 0.09 ounces/ton silver over 55 centimetres.

Diamond Drill holes #84-10, 11, and 12 were completed underneath the Emulator workings. These workings may be an extension to the south of the Tubal Cain vein system. A geochemical high was noted near the workings, that is, higher copper, lead and zinc values. Altered material is present as wallrock beside a quartz vein in an open cut on surface. A grab sample of quartz revealed assay values of 0.097 ounces/ton gold, 5.44 ounces/ton silver and 2.30% lead.

Diamond drill hole #84-10 encountered three mineralized quartz veins directly below the drift. The first vein intersected was a quartz vein with altered fragments and consisted of pyrite and galena with some blebs of sphalerite and chalcopyrite. This vein assayed 0.298 ounces/ton gold, 6.40 ounces/ton silver, 0.62% lead and 0.35% zinc over 80 centimetres. The next vein encountered was 64 centimetres wide and had similar mineralization. It assayed 0.312 ounces/ton gold, 0.76 ounces/ton silver, 0.67% lead and 0.98% zinc. The last quartz vein (10 centimetres wide) has up to 50% Sulphides.

It assayed 0.130 ounces/ton gold, 3.50 ounces/ton silver, 2.6% lead and 2.61% zinc.

The next hole (#84-11) was drilled at the same set-up as hole #10 but at a steeper angle. The down-dip projection of the Emulator vein appears as a gray altered zone with 3-4% finely disseminated pyrite with occasional blebs of gray sulphides (galena, etc.). This zone produced assay values of 0.032 ounces/ton gold, and 0.23 ounces/ton silver over 2.0 metres.

Diamond drill hole #84-12 was drilled under the Emulator adit from the opposite direction to holes #10 and 11. Altered gray andesite rock was encountered through most of the hole. A 14 centimetre quartz vein with fine veinlets of galena and pyrite was encountered first in the hole. This section assayed 0.23 ounces/ton silver. Further down hole, alteration was more intense with disseminated pyrite within it. Brecciation occurred in parts with abundant fragments and 5% disseminated pyrite. This brecciated section which is probably the Emulator vein assayed 0.55 ounces/ton silver.

Diamond drill hole #13 was the last drill hole completed at this time. It was testing the downward extension of a 30 centimetre wide quartz vein in an open cut presumably on the northern extension of the King William vein system. A chip sample of the vein at this location revealed values of 0.035 ounces/ton gold and 1.52 ounces/ton silver over 30 centimetres. Pyrite, galena and gray sulphides were noted in the sample. The EM survey delineated conductors on both sides of the drill set-up which might suggest that these conductors may form the edges of a major shear zone along which these ore shoots have developed. A high geochemical response was also noted in the immediate area with high values for all elements.

This hole intersected the quartz vein but only as 2 small quartz veins with little or no mineralization. The two quartz veins assayed 0.47 ounces/ton and 0.41

ounces/ton silver over 0.1 metres and 0.4 metres respectively.

For location of the drill hole collars, see Maps 1A and 1D.

The core is stored in the shop of Scope Exploration Services Ltd., 2549 Nicola Avenue, Merritt, B.C.

### III. CONCLUSIONS AND RECOMMENDATIONS

#### a) South Group

The large geochemical and coinciding geophysical conductors are conducive to further investigation. Further cat and/or backhoe trenching should be attempted at the intersections of the geophysical conductors with the large geochemical anomaly.

No work had as yet been completed in the Jenny Long area, a former producer. A large geochemical anomaly coincides with the tailings extent but there should be prospecting in the area to confirm that the tailings are not the sole cause for the anomaly. The southern extension of this vein system should be prospected and tested by trenching. An EM geophysical survey could be useful in this area.

#### b) North Group

Prospecting of any geochemical anomalies would be recommended. Also it would be useful to clean out all the old hand trenches and collect chip samples. More drilling on the extensions of known vein systems are recommended.



ITEMIZED COST STATEMENTDRILLINGSouth GroupJune 20 - June 30, 1984

DDH CEC 84-1; 170 feet @ \$20.00 per/foot	\$3,400.00
DDH CEC 84-2; 18 feet @ \$20.00/foot	360.00
Mobilization	800.00
Waterline	1,364.88
Set-up Waterline	1,365.00
Additional waterline	800.00
Supply costs - drilling mud, core boxes etc.	1,488.34
Assay costs	<u>142.50</u>
Subtotal	\$9,720.72

July 1 - 15, 1984

DDH CEC 84-2; 355 feet @ \$20.00 per	\$7,100.00
DDH CEC 84-3; 323 feet @ \$20.00/foot	6,460.00
DDH CEC 84-4; 308 feet @ \$20.00/foot	6,160.00
DDH CEC 84-5; 252 feet @ \$20.00/foot	5,040.00
Supply costs	864.88
Assay costs	<u>1,997.00</u>
Subtotal	\$27,621.88

Surveyor, Draftsman - Rick Mitchell

Drafting drill hole sections - 5 man days @ \$140.00 per day	\$700.00
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Geologist - Ray Wells

Logging core - 5 man days @ \$225.00 per	\$1,125.00
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Truck Rental

4x4 truck for driller and helper 26 days @ \$40.00 per day	\$1,040.00
Total for the South Group	<u>\$40,207.60</u>

North GroupJuly 16 - July 30, 1984

Drill move from south group to north group	
6 man days @ \$150.00 per day	\$900.00
DDH CEC 84-6; 249 feet @ \$20.00/foot	4,980.00
DDH CEC 84-7; 249 feet @ \$20.00/foot	4,980.00
DDH CEC 84-8; 463 feet @ \$20.00/foot	9,260.00
Cost of Supplies	1,552.58
Assay costs	<u>955.00</u>
Subtotal	\$22,627.58

August 1- August 15, 1984

DDH CEC 84-9; 224 feet @ \$20.00/foot	4,480.00
Drill move; 9 hours for 2 men @ 16.00/hr	288.00
8 hours for 1 man @ \$16.00/hr.	129.00
Supplies	519.60
Assay costs	<u>101.00</u>
Subtotal	\$5,071.60

August 16 - September 4, 1984

DDH CEC 84-10; 181 feet @ \$20.00/foot	\$3,620.00
DDH CEC 84-11; 258 feet @ \$20.00/foot	5,160.00
DDH CEC 84-12; 154 feet @ \$20.00/foot	3,080.00
Supplies	1,784.41
Assay Costs	<u>742.75</u>

Subtotal	\$14,387.40
<u>September 10 - September 13, 1984</u>	
DDH CEC 84-13; 94 feet @ \$ 20.00/foot	\$1,880.00
Drill move; 16 hours for 2 men @ \$16.00/hr.	512.00
Assay costs	<u>71.25</u>
Subtotal	\$2,463.25
<u>Surveyor, draftsman - Rick Mitchell</u>	
Drafting drill hole sections -	
8 man days @ \$140.00 /day	\$1,120.00
<u>Geologist, Ray Wells</u>	
Logging Core	
8 man days @ \$225.00/day	\$1,800.00
<u>Geologist, Peter Hannigan</u>	
Logging core - 1 man day @ 190.00/day	
Preparing drilling assessment report	
3½ man days @ \$190.00 per	\$655.00
<u>Truck Rental</u>	
4x4 drill truck for driller and helper	
45 days @ \$40.00 per day	<u>\$1,800.00</u>
Subtotal	\$5,575.00
Total for the North Group	<u><u>\$50,124.83</u></u>

# DIAMOND WELL RECORD

PROPERTY .. STUMP LAKE .. CELEBRITY .....

HOLE No. DDH 84-1 .....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected
	- 45°	

Hole No. 84-1 ..... Sheet No. 1 ..... Lat. BASELINE AT L54+00S ..... Total Depth 51.8m (170ft) .....  
 Section ..... Dep. .... Logged By R. WELLS .....  
 Date Begun JUNE '84 ..... Bearing DRILLING EAST ON L54+00S .....  
 Date Finished JUNE '84 ..... Elev. Collar ..... Core Size BQ .....

*J. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
0 - 7.6m	No core, end of overburden					
FROM 7.6m	GREENSTONE (ANDESITE)					
	-Fig., weak flow banding, weakly porphyritic, blurred textures, chlorite/epidote alteration prevalent (flow banding; mafic alignment @ 50° to C. A.)					
	-Occasional blebs and patches of pyrite rimmed with magnetite or spec. hematite <1% sulphides					
	-Weak to non-magnetic					
	-Weak development of spotty black (augite?) phenocrysts to 2mm size.					
	-Some fracturing @ 55-60°					
	-Occasional bleached (pale green) portions to 10cm size (at times unmineralized, at times associated with spotty pyrite/mag.)					
	-Occasional calcite stringers (associated limonite/hematite)					
	@ 29.0; 3cm quartz vein at 35°, some pyrite & magnetite (quartz smokey blue)					
	@ 29.5; ditto					
	@ 30.55; 15cm gouge, appears barren, high					

B-13

# DIAMOND DRILL RECORD

PROPERTY... STUMP LAKE... CELEBRITY.....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-1 ..... Sheet No. 2 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	carbonate content.						
	@ 31.0; thin pyrite bands along flow banding (some thin cross-fractures grey quartz with pyrite 1-3%). There is an orange oxide associated with the pyrite-possibly magnetite oxidized to hematite?) some magnetite, flow bands @ 55°, gradual increase in white tendrils of irregular calcite.						
	@ 31.4; 8 cm grey quartz-carbonate, irregular vein @ N 35°, patches of pyrite.						
	@ 34.4; 3 cm grey quartz with patchy pyrite						
	@ 35.3; irregular patches of quartz-carbonate veining for 10 cm, occasional pyrite patches.						
	@ 36.0; 30 cm quartz-carbonate brecciation, patchy pyrite						
	@ 37.4; 10 cm gouge, some pyrite						
	@ 38.7; 1.5 cm grey quartz, some pyrite						
	@ 39.0; 7 cm quartz, some calcite, patchy pyrite, hematitic shearing/ slicken sides @ 40°						
	@ 39.6; quartz carbonate 2 cm vein, banded, bits						

11-97

# DIAMOND DRILL RECORD

PROPERTY ... STUMP LAKE ... CELEBRITY .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-1 ..... Sheet No. 3 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE		
	pyrite				
	@ 35.0; noticeable increase in brecciation and calcite tendrils variable gouge & shearing to end of hole pyrite visible in the greenstone fragments but not noticeable in the white quartz-carbonate or semi-consolidated portions, or gouge.				
	@ 41.8; increasing semi-consolidated portions, white quartz-carbrate irregular filling, brecciation, 2-4% pyrite in the greenstone fragments.				
	@ 50.5; small quartz-carbonate vein @ 30 <sup>0</sup> , trace pyrite, possible minor grey sulphides.				
	49.2-51.8; greenstone sand size & mud size particles, unconsolidated but not necessarily gouge.				
	51.5m (170 feet) - END OF HOLE				
	SAMPLES FOR ANALYSIS				
	(1) 31.0 - 32.0m			Au	Ag
				.005	L.01
					TAG #
					9085

8-15

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-1 ..... Sheet No. 4 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			TAG #
				Au	Ag	
(2)	33 - 34			L.001	L.01	9086
(3)	36 - 37			L.001	L.01	9087
(4)	38 - 39			L.001	L.01	9088
(5)	40 - 41			L.001	L.01	9089
(6)	42 - 43			L.001	L.01	9090
(7)	44 - 45			L.001	L.01	9091
(8)	46 - 47			L.001	L.01	9092
(9)	48 - 48.5* (short due to local poor recovery)			L.001	L.01	9093
(10)	50 - 51			L.001	L.01	9094

(B-16)

# DIAMOND WELL RECORD

PROPERTY ... STUMP LAKE ... CELEBRITY .....

HOLE No. DDH... 84-2 .....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected
	- 45°	

Hole No. 84-2 ..... Sheet No. 1 ..... Lat COLLAR AT 154+00S, 1705E Total Depth 113.69m (373ft)  
 Section ..... Dep. .... Logged By R. WELLS .....  
 Date Begun JULY 84 ..... Bearing DRILLING WESTERLY ..... Claim .....  
 Date Finished JULY 84 ..... Elev. Collar ALONG 154+00S Core Size BQ .....

*R. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
0 - 15.24	Overburden					
15.24 - 30.78	"AUGITE PORPHYRY" - GREENSTONE -More porphyritic appearance than DDH 84-1, the strength of the flow banding (@50° to C. A.) is variable (alignment of the mafics), mafics to 3 mm size. -Weak to non-magnetic, pyrite generally <1% (0-2% range), red rimming of the pyrite is common - probably specular hematite. @ 15.7; 1 cm white calcite vein @ 30° (minor hematitic boundaries) @ 16.75; 7 cm irregular quartz fracture fill, minor pyrite. 17.0-19.1; Altered massive dark green-greenstone much irregular fracture filling of quartz, some epidote alteration associated, some spotty pyrite, minor calcite. @ 23.9; White quartz-carbonate 2 cm vein @ 40°, barren @ 24.3; 0.5 cm brecciated calcite fill @ 60°					

8-17



# DIAMOND DRILL RECORD

PROPERTY ..STUMP LAKE ..CELEBRITY.....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-2 ..... Sheet No. 2 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	@ 25.8; 1 cm quartz/calcite vein @ 40°						
	@ 27.1; 1 cm quartz vein, epidote outer edges 0.5 cm each, @ 45°, traces pyrite and specular hematite.						
	@ 29.1; 3 cm quartz vein banded @ 50°, trace pyrite.						
	@ 30.6; 2 cm irregular quartz-carbonate fracture fill, barren.						
30.78 - 113.69	BANDED GREENSTONE						
	-Porphyritic texture no longer evident						
	-Color banding at 50-60°, variable in strength (cause-mafic alignment)						
	-Weak to non-magnetic						
	-Generally 1-2% pyrite (mainly disseminated)						
	@ 54.9; 3 cm quartz-calcite vein @ 70°, traces pyrite and spec. hematite.						
	@ 55.8; 2 cm quartz-calcite banded vein at 70°, traces pyrite.						
	-Pyrite content appears to be increasing beyond the 40 m point to 2-4% range.						
	@ 64.75; 15 cm altered portion (quartz & epidote						

18-13

# DIAMOND DRILL RECORD

PROPERTY . STUMP . LAKE . . . CELEBRITY . . . . .

HOLE No. . . . .

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-2 Sheet No. 3 Lat. . . . . Total Depth . . . . .  
 Section . . . . . Dep. . . . . Logged By . . . . .  
 Date Begun . . . . . Bearing . . . . . Claim . . . . .  
 Date Finished . . . . . Elev. Collar . . . . . Core Size . . . . .

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	alteration - limited pyrite).						
	@ 65.3; 15 cm altered portion (ditto)						
	@ 66.9; 1 cm quartz-calcite vein at 70°						
	@ 67.3; 10 cm altered portion, silicified, bleached some epidote, low sulphides						
	@ 68.4; 25 cm (ditto 67.3)						
	@ 72.3; 15 cm veining at 75°, bit of pyrite and possibly grey sulphides.						
	@ 76.85; 30 cm altered portion @ 70°, pale green grey, thin tendrils of a soft grey metallic mineral (soft like graphite), bits of pyrite.						
	@ 79.3; 50 cm altered portion (typical bleached pale green appearance) some visible disseminated pyrite.						
	84-85; Few portions barren quartz calcite fracture fills, bit of hematite stain.						
	86.1-86.75; pale buff dyke with green 3 mm size altered phenocrysts, some associated pyrite with specular hematite (rims the pyrite in some cases) - at times red oxide, at times metallic grey						

61-87

# DIAMOND DRILL RECORD

PROPERTY...STUMP LAKE...CELEBRITY.....

HOLE No. ....

DIP TEST		
ANGLE		
Footage	Reading	Corrected

Hole No. 84-2 ..... Sheet No. 4 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	TAG #	Au	Ag	Pb	Zn	W
	crystals.								
92-93;	Somewhat altered (bleached), typical amount of pyrite.								
95.6-96.6;	Ditto (some pyrite and minor fine grained grey sulphides)								
@ 98.6;	4 cm quartz-calcite veining at 45°	17-18m							
101.9;	25 cm quartz-calcite veining, up to 5% pyrite locally (disseminated cubes), traces specular hematite	51.5-52.5							
		61-62							
		72.15-72.35		17994	L.001	.35	.18	.15	-
108-109;	Somewhat altered, 3% pyrite (some unidentified grey sulphides)	76.7-77.10		17995	L.001	.06	L.01	.01	-
		79-80		17996	L.001	.03	L.01	L.01	-
109.7;	8 cm quartz-calcite, pale pink and green, traces pyrite and spec. hematite(?)	86-87		17997	L.001	.06	.01	L.01	-
		90-91		17998	L.001	.06	.01	L.01	-
113.35;	3 cm irregular quartz-calcite fracture fill with good pyrite and bits of mineral x - soft like graphite, grey, metallic	92-93		17999	L.001	.06	.01	L.01	-
		97.5-98.5		18000	L.001	.03	.01	L.01	-
		101.8-102.3		17752	.001	.06	.01	.01	-
	-Bottom of the hole; Somewhat altered, 1-2% pyrite (typical throughout the hole)	104-105		17751	L.001	.03	.01	.01	-
		108-109		17753	L.001	.03	.01	.01	-
		112.5-113.5		17754	L.001	.03	.01	.01	-
	END OF HOLE 113.69m (373ft)								

LB-20)

# DIAMOND HILL RECORD

PROPERTY . CELEBRITY .....

HOLE No. DDH... 84-3 .....

DIP TEST		
ANGLE		
Footage	Reading	Corrected
	- 60°	EASTERLY ALONG GRID CROSSLINE

Hole No. .... Sheet No. 1 ..... Lat. .... Total Depth 98.6 (323.5 ft) .....  
 Section ..... Dep. .... Logged By R. WELLS .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size 80 .....

*R. Wells*

DEPTH metric	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
0 - 6.09m	Casing					
6.09 - 28	PORPHYRITIC "AUGITE" ANDESITE (GREENSTONE)					
	-Some portions contain weak "flow" banding					
	- (subtle alignment of residual mafics at 80° to C. A.)					
	- Generally typical greenstone appearance with mafic phenocrysts 0.1-0.4 cm size common (random orientation), blurred textures					
	-pyrite content scattered, 1% volume common					
	-Generally non-magnetic except at times near mineralized sections.					
	6.09-6.90; 1-2% pyrite in random dissemination and micro fractures subparallel core					
	@ 6.90; 1-2 cm quartz vein (minor calcite) at 20° to C. A., some pyrite, few spots probable scheelite in the quartz, minor grey sulphides (non-magnetic, v. soft like graphite-not apparently specular hematite)					
	@ 10.55; Small 1 cm quartz-calcite vein sub-parallel core, traces probable scheelite					
	@ 11.60; Small sheared slickensides, hematite					

L-8-21)

# DIAMOND DRILL RECORD

PROPERTY...CELEBRITY.....

HOLE No.....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-3..... Sheet No. 2..... Lat..... Total Depth.....  
 Section..... Dep..... Logged By.....  
 Date Begun..... Bearing..... Claim.....  
 Date Finished..... Elev. Collar..... Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	red coated.						
	@ 12.2; 4 cm quartz-calcite vein at 20°, some pyrite						
	@ 13.1; 0,5 cm calcite vein at 35°, streaks red hematite						
	@ 14.0; 2 cm altered zone at 70° (silicification and epidote common, some pyrite and magnetite at 20°, small quartz-calcite veins included with pyrite/magnetite.						
	@ 14.2; 10 cm similar to 14.0, quartz & epidote, weak pyrite/magnetite.						
	@ 15.0; 5-7 cm white quartz vein at 15° to C. A. (30 cm lineal in core box), 1-2% irregular pyrite- pyrite also lines the Vn/host interface. ~ 1% silver blue metallic mineral (very soft), appears to have a grey streak & platy crystal appearance in irregular fractures (mineral x) [possibly graphite, moly(?), spec. hematite - but no red streak?]						
	16.5-17; Pyrite in fractures @ 20-35°						
	@ 17.0; 5 cm silicified over, pyrite & traces of						

18-22

# DIAMOND DRILL RECORD

PROPERTY ...CELEBRITY.....

HOLE No.....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. B4-3..... Sheet No. 3..... Lat..... Total Depth.....  
 Section..... Dep..... Logged By.....  
 Date Begun..... Bearing..... Claim.....  
 Date Finished..... Elev. Collar..... Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	mineral x.						
	@ 17.5; Small shear (red hem. slickensides) at 20°.						
	@ 18.0; 1 cm quartz-calcite vein at 55°, traces pyrite & magnetite,						
	@ 18.5; 5 cm altered quartz-calcite portion with good pyrite/magnetite at 70°						
	17.5-19.8; Core is broken & more pyritic than usual. ~30 cm of sandy green gouge. (19.5-19.8), appears to be <sup>to</sup> altered to retain any possible original sulphides						
	20.73-21.60; 2 to 4% pyrite, some hair fractures 20° to subparallel core axis.						
	21.6-22.2; Pale green altered zone (some silicious, some carbonate), irregular bands rich in fine grained pyrite & an unidentified grey metallic mineral at 15-20° to C. A.						
	22.8-24.1; Shear zone (shears at various angles with red slickensides - hematite), not much pyrite						
	26.1; 0.5 cm quartz vein at 10°, some pyrite						

B-23

# DIAMOND DRILL RECORD

PROPERTY CELEBRITY.....

HOLE No.....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-3 Sheet No. 4 Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	26.5; Thin shear subparallel core (red coated)						
	26.7; 2 cm altered zone at 80° - quartz, epidote, calcite, some pyrite & spec. hematite.						
	27.75; Calcite stockwork/veins, 3 cm hematite stained tendrils.						
28.0 - 58.0	NON-BANDED TUFFACEOUS "ANDESITE" (GREENSTONE) -Variable fragment sizes, some portions are porphyrite similiar to higher in the hole.						
	27.8-29.6; Irregular thin tendrils of calcite throughout about 5% volume, some pyrite & hematite						
	29.6-34.4; 30% volume quartz-calcite veins and stockwork at 30°-50° to C. A., pale green bleached alteration, sulphide content up to 5% volume (variable pyrite & grey metallic mineral x)						
	35.45-36.0; Pale grey fine grained dike, pyrite 2-4% volume estimated (some possible f. g. grey sulphides)						
	36-37.3; Pyrite in irregular hair fractures						
	37.3-42.2; * * FAULT ZONE - Some portions grey & fine grained with white						

18-24

# DIAMOND DRILL RECORD

P. PARTY...CELEBRITY.....

HOLE No.....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-3..... Sheet No. 5..... Lat..... Total Depth.....  
 Section..... Dep..... Logged By.....  
 Date Begun..... Bearing..... Claim.....  
 Date Finished..... Elev. Collar..... Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE							
	quartz-calcite stockwork, some protions semi-consolidated mud, pyrite variable throughout 0-5% volume									
	-At the lower end; 40 cm sandy gouge, no sulphides visible									
	43.3-44.15; Irregular barren calcite stockwork, some red hematite shears at 45-50°									
	44.15-44.50; Quartz vein some calcite, brecciated host fragments, scattered pyrite & some mineral x.									
	44.8; 1.5 cm pink fracture fill at 20° (intrusive origin?), spots of pyrite.									
					oz/ton	%	%	%	%	%
				TAG #	Au	Ag	Pb	Zn	Mo	W
		ALL SAMPLES								
	44.85; 28 cm pale green fault gouge (bit of hematite stain, no sulphides evident)		6.7-7.2	17976	L.001	.01	L.01	.01	-	L.01
			14-14.4	17977	L.001	.03	L.01	.01	-	-
	48.75; 1 cm calcite fill (hematite slickensides), bits of pyrite.		15-15.35	17978	.003	L.01	L.01	L.01	.067	-
			16-17	17979	L.001	L.01	L.01	L.01	-	-
	50.5; 3 cm quartz vein at 20°, some pyrite (locally the wallrock is well pyritized ~5% volume)		17-18	17980	L.001	L.01	L.01	.01	-	-
			18-19.8	17991	L.001	L.01	L.01	L.01	-	-
			20.7-21	2 17982	L.001	L.01	L.01	L.01	-	-
	50.75; 2 cm quartz vein at 20,(ditto)									
	51.75; 6 cm (ditto)		21.2-22	2 17983	L.001	L.01	L.01	L.01	-	-

18-15)



# DIAMOND DRILL RECORD

PROPERTY ... CELEBRITY .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-3 ..... Sheet No. 6 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	TAG #	Au	Ag	Pb	Zn	Mo	W
	51.8; ~30 cm of hair fractures of pyrite at 35-60°		23-24	17984	L.001	L.01	L.01	L.01	-	-
			28-29	17985	L.001	L.01	L.01	L.01	-	-
58.0 - 98.6	BANDED GREENSTONE (ANDESITE)		29-30	17986	L.001	.01	L.01	.01	-	-
	-Bands at 70° to core axis		30-31	17987	L.001	.03	L.01	.01	-	-
	58.25; 0.5 cm calcite vein		31-32	17988	L.001	L.01	L.01	.01	-	-
	62.60-65.13; Altered zone, variably bleached, epidote common, intermittent quartz		35.45-36	17989	L.001	.01	L.01	L.01	-	-
	calcite veining		37-38	17990	L.001	.01	L.01	.01	-	-
	62.70; 1 cm quartz-calcite vein at 25°, some shearing, some pyrite with orange oxide		39-40	17991	L.001	.01	L.01	.01	-	-
			41-42	17992	L.001	L.01	L.01	L.01	-	-
			44.15-44.50	17993	L.001	.01	L.01	.01	.065	-
	63.4; 25 cm quartz-calcite veining (variable in the altered zone, bits of pyrite and occasional magnetite clusters beyond 63.4		50.3-51.5	17155	L.001	.03	L.01	.01	-	-
	in the wallrock (banding at 50° common)		62.6-63.6	17756	L.001	.03	.01	.01	-	-
			67.1-67.6	17757	L.001	.06	.01	.01	-	-
	67.1-67.67; Altered zone, some quartz-carbonate infill at 20° to subparallel core		79-80.4	17758	L.001	.15	.03	.04	-	-
	some shearing, some pyrite, possibly some fine grained grey sulphide		96.2-96.8	17760	L.001	.26	.13	.07	-	L.01
	68.5; 1 cm quartz-calcite vein at 30°, some pyrite		97.7-98.3	17759	L.001	.06	L.01	.01	-	L.01
	68.3-71; 30% volume scattered patches of bleached altered rock (epidote, quartz,									

18-26

# DIAMOND HILL RECORD

PROPERTY...CELEBRITY.....

HOLE No.....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No...84-3..... Sheet No...7.... Lat..... Total Depth.....  
 Section..... Dep..... Logged By.....  
 Date Begun..... Bearing..... Claim.....  
 Date Finished..... Elev. Collar..... Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	calcite typically)						
70.9;	10 cm quartz-calcite vein at 60°, pyrite & orange oxide, and magnetite						
73.7;	1 cm quartz-calcite vein with pyrite, has a 2 cm altered epidote portion for wallrock (typical altered fracture)						
74.65;	2 cm quartz-calcite vein with epidote boundaries similiar to 73.7, pyrite & magnetite						
78.5;	30 cm of qurtz vein at 30° (20 cm true thickness) 5% volume pyrite/magnetite (intimately related), 50 cm wallrock on both sides contains 5% volume pyrite.						
80.1;	Quartz-calcite-epidote vein at 60°. 25 cm intermittant veining, pyrite & bits of magnetite						
84.3-84.1;	2 small pink & white fracture fills (intrusive origin(?)), some epidote, bits of pyrite						
90.5;	1 cm quartz-calcite infil subparallel core						
96.5;	4 cm intrusive(?) infil, some pyrite & minor grey sulphides						

18-27)



# DIAMOND WELL RECORD

PROPERTY ... STUMP LAKE ... CELEBRITY .....

HOLE No. ... DDH. 84-4 .....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected
	-45°	ALONG GRID CROSSLINE TO THE EAST

Hole No. 84-4 ..... Sheet No. 1 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By R. WELLS .....  
 Date Begun JULY 84 ..... Bearing ..... Claim .....  
 Date Finished JULY 84 ..... Elev. Collar ..... Core Size BQ .....

*R. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
0 - 6.70	Casing						
6.7 -	GREENSTONE (LARGELY PORPHYRITIC "AUGITE" ANDESITE)						
	-Occasional weak mafic alignment "flow" banding at 65°						
	@ 10.75; 3.5 cm white quartz vein (minor calcite) at 15°, parallel greenish bands, pyrite clusters on outer edges of the vein with orange oxide contact. For the next 20 cm pale grey wallrock due to alteration (original textures blurred)						
	@ 11.8; 1.5 cm grey white quartz vein, irregular sharp contact at 20°, some pyrite.						
	@ 13.0; 1 cm light grey quartz vein at 50° (minor pyrite and orange oxide)						
	@ 13.6; 30 cm shearing subparallel core (red coated slickensides)						
	17.25-17.50; Altered bleached section, epidote green with 15% light grey quartz infills. minor pyrite						
	@ 17.85; 8 cm (see 17.25-17.50)						
	@ 18.35; 1 cm quartz vein @ 20°, minor pyrite						
	18.59-18.85; Ditto (17.25-17.50)						

8-29

# DIAMOND DRILL RECORD

PROPERTY .....

HOLE No. ....

DIP TEST		
ANGLE		
Footage	Reading	Corrected

Hole No. 84-4 ..... Sheet No. 2 ..... Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
	@ 19.25; 14 cm ditto (17.25-17.50)					
	@ 19.55; 40 cm* ditto (17.25-17.50)					
	@ 27.45; 5 cm altered zone (quartz-calcite-epidote) with 20 cm wallrock both sides 2-3% dissem. pyrite					
	@ 33.0; 15-20 cm quartz-calcite banded at 35°, some pyrite and fine grained soft grey metallic (mineral x). Approx. 0.5 m wallrock; lower side 2-3% vol. pyrite.					
	@ 39; 10-15 cm healed brecciation (infil of fine grained black mineral & possibly a bit of intrusive origin, minor pyrite)					
	39.15-39.65; Grey "dike", 2-4% f. g. pyrite, contacts quite sharp at 80°					
	@ 40.5; 2 cm brown mud (gouge) with fragments					
	@ 40.6; Dark grey "dike", irregular sharp boundary (black near contact). Grades into a bleached altered zone with a 2-4 cm quartz-calcite vein subparallel the core, pyrite patchy throughout (clustered and disseminated) & evidence of some fine grained mineral x, alteration					

LB-30)

# DIAMOND DRILL RECORD

PROPERTY.....

HOLE No.....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-4.....	Sheet No. 3.....	Lat.....	Total Depth.....
Section.....	Dep.....	Bearing.....	Logged By.....
Date Begun.....	Elev. Collar.....	Claim.....	Core Size.....
Date Finished.....			

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	T <sub>H</sub> =	% / ton				
					Au	Ag	Pb	Zn	Mo
	largely grades out by 41.5 m								
	43.55-44.15; 60 cm 2-4% pyrite near a 1 cm vein		32.8-33.1	17761	1.001	1.01	1.01	.01	-
	subparallel the core (some f. g.		40.5-41.5	17762	1.001	1.01	1.01	.01	-
	mineral x)		56-57	17763	1.001	1.0	1.01	.01	-
	@ 48.4; Thin 0.4 cm fracture fill at 50° (pyrite/		58-59	17764	.001	1.01	1.01	.01	-
	magnetite)		60.5-61.5	17765	.001	1.01	1.01	.01	.067
	53.5-54.4; 1 cm quartz vein at 10-15°, associated		62.3-62.7	17766	.006	.58	.07	.07	.008
	pyrite		74.2-75.2	17767	1.001	1.01	1.01	.01	.133
**	56.2-61; Altered zone, leucocratic pink & white		75.2-76.2	17768	1.001	1.01	1.01	.01	.048
	infil (possibly intrusive source),								
	parallel the core to various angles,								
	averages ~5% volume pyrite (minor mineral								
	x & occasional spots magnetite)								
**	61-61.5; At 61.0 is a 2 cm quartz vein, at 61.2								
	is a 4 cm quartz vein (these veins								
	contain much mineral x - graphite??,								
	in bands parallel the core at angles of								
	30°, mixed pyrite (perhaps 5% vol.)								
	occasional spots of magnetite associated								
	with the pyrite.								
	61.5-62.3; Very bleached altered zone (pale								
	green) with 2-3% volume disseminated								

(8-31)

# DIAMOND DRILL RECORD

PROPERTY .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-4..... Sheet No. 4..... Lat..... Total Depth.....  
 Section..... Dep..... Logged By.....  
 Date Begun..... Bearing..... Claim.....  
 Date Finished..... Elev. Collar..... Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	pyrite.						
	62.3-62.7; 40 cm vein at 45° (?), brecciated healed quartz, some pyrite.						
	62.7-64.90; Altered zone: variable bleaching, some epidote rich, some silicious portions, 2-4% vol. pyrite, one small 1 cm vein at 45° - graphitic gouge on surfaces.						
	68.5-68.75; Altered zone (epidote & quartz predominantly)						
	73.0-76.8; Altered zone, controlled by pink & white intrusive infil (at subparallel to various angles), up to 5% vol. pyrite, ~1% grey "metallic" soft mineral x (Graphite??), traces magnetite, epidote common.						
	@ 79.65; 1 cm calcite vein at 50° to C. A. , trace pyrite						
	@ 82.8; 3 cm altered fracture fill at 65°, quartz calcite-epidote, some pyrite/magnetite						
	from 82.7; Variable banding is evident at 65° to C. A.						

C8-32

# DIAMOND DRILL RECORD

PROPERTY .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. ...84-4..... Sheet No. ...5.... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	85.3-85.7; Strongly banded portion, few small quartz calcite vein, pyrite and magnetite in the bands (3-5% vol.)						
	85.7-86.5; Subparallel pink & white tendrils (intrusive origin), some pyrite as usual						
	from 87.0; Coarse augite porphyry (phenocrysts 0.3-0.5 cm size), phenocrysts development of variable intensity [appears to correlate to DDH 84-3 : 87.0-93.5]						
	93.88 m (308 ft) END OF HOLE						

8-33



# DIAMOND WELL RECORD

PROPERTY ..CEC... STUMP LAKE .....

HOLE No... DDH 84-5 .....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-5 Sheet No. 1 Lat. .... Total Depth 76.81m (252 ft)  
 Section ..... Dep. .... Logged By R. WELLS  
 Date Begun JULY 84 Bearing ..... Claim .....  
 Date Finished JULY 84 Elev. Collar ..... Core Size BQ

*R. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE		
0 - 4.52m	Casing				
4.52 - 76.81	GREENSTONE (PORPHYRITIC "AUGITE" ANDESITE)				
	-The most striking feature about this hole is that it is variably brecciated throughout and the irregular voids are filled & healed with white quartz & some calcite (sulphides occur in the void fillings).				
	-The rock is typically dark green (f.g.) with typical .1-.03 cm size. Mafic phenocrysts of "augite" (poor to well developed crystals). Occasional mafic alignment occurs ("flow" banding). A few portions appear to contain pyroclasts of the same typical greenstone but tend to be light green (may be preferential bleaching alteration ??)				
	-Generally weak to non-magnetic except the portions which are strongly porphyritic & unaltered (moderate magnetism)				
	5.0-6.9; 25% quartz & calcite irregular infilling, clusters of pyrite to 3 cm size (brecciation healed area)				
	7.7-8.23; 50% volume (same as 5.0-6.9), pyrite				

8-34

# DIAMOND DRILL RECORD

PROPERTY... CEC... STUMP LAKE.....

HOLE No.....

DIP TEST		
ANGLE		
Footage	Reading	Corrected

Hole No. 84-5 Sheet No. 2 Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
	is variable up to 5% volume.					
	@ 8.4; Sheared 35° with brecciated 2 cm quartz-calcite. Some pyrite.					
	9.35-12.6; 25% volume quartz-calcite (Q.C.) infill at various irregular angles as usual, pyrite content as usual, some shiny metallic soft grey mineral (mineral x = graphite?), few small portions are pink & white (like leucocratic intrusive origin?)					
	13.75-15.0; Typical variable bleached alteration, epidote is common, 10% volume Q.C. infil					
	16.5-19.25; Highly altered pale green-yellowish portion 20% volume Q.C. infil, much evidence throughout of healed brecciation, some specular hematite, 2-5% volume pyrite clusters usually associated with the infilling, some other f.g. grey sulphides (unidentified), appears to be the odd bit of chalcopyrite.					

LB-35)

# DIAMOND DRILL RECORD

PROPERTY ... CEC - STUMP LAKE .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-5 ..... Sheet No. 3 ... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	21.8-26.25; Brecciated zone, 20% volume Q.C. infil of variable intensity, 5% pyrite in the infilling, much "graphite", possible existance of some f.g. unidentified grey sulphides, trace cpy.						
	28-34.4; Mafic pheno. alignment trending at 30° to CA., moderately magnetic.						
	@ 27.3; 30 cm Q.C. infil brecciation, graphite & pyrite						
	@ 28.0; 15 cm Q.C. brecciated fill, graphite, pyrite.						
	31.2-31.5; 30 cm Q.C. brecciated fill, some pyrite.						
	@ 31.7; 5 cm Q.C. (ditto), good pyrite clusters						
	32.05-33.35; 40% Q.C. infil brecciation, variable pyrite to 5% vol., some portions up to .5% graphite, traces cpy.						
	34.4-34.7; 40% Q.C. infil brecciation, some pyrite 10 cm bleached altered boundary						
	@ 35.0; 14 cm pale grey altered portion, minor Q.C. stockwork, some pyrite.						

18-36

# DIAMOND DRILL RECORD

PROPERTY ... CEC. - STUMP LAKE .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-5 Sheet No. 4 Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE							
	36.86-37.0; Infil with 5% vol. pyrite clusters & streaks on cluster contains a sectile grey sulphide 0.3 cm, massive (?)									
	@ 37.6; 10 cm of 50% volume pink & white infill (quartz & feldspar?), associated pyrite									
	38-39.2; 10% Q.C. stockwork infil, low sulphide content, some color banding at 30°									
	@ 43.2; 3 cm Q.C. infil at 20°, banded, low sulphides									
	43.7-44.5; 10% quartz-feldspar infil, variable pyrite (at 44.0; 8 cm of 50% pyrite clusters)									
	45.1-46.85; 20% infil (ditto 43.7-44.5), some portions 5% <sup>+</sup> pyrite clusters (at 46.0; some shearing), some pink calcite.									
	47.6-47.9; 30 cm Q.C. infil brecciation, some pyrite clusters, one narrow 1 cm splinter of grey sectile sulphide (metallic)		(meters)							
	@ 48.9; Ditto (47.6-47.9) for 20 cm, 40% vol.		9.4-10.4	TAG # 17716	Low	.03	Low	.01	.06	Low

28-37



# DIAMOND WELL RECORD

PROPERTY ... DEC. ... STUMP LAKE .....

HOLE No. DDH 84-6 .....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-6 ..... Sheet No. 1 ..... Lat. .... Total Depth 75.9 m (249 ft)  
 Section ..... Dep. .... Logged By R. WELLS .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size BQ .....

*R. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
0 - 4.5	No Core - Casing					
4.5 - 60.14	GREENSTONE (ANDESITE)					
	-1 - 2mm sized grains, blurred crystal boundaries, 2-3 % f.g. mafics, 0-1% pyrite, about 20% sections with light-dark color banding, 1-5% "pyroclasts" (0.5 cm size common, some to 2 cm size - subangular to subround)					
	-Colour banding at 45-50° (usually finer grained and contains centers of pale green - probably related to increased alteration)					
	-Low calcite content except for occasional small white irregular calcite stringers					
	-Generally v. weak magnetism (moderate magnetism from 4.5-12.5 m) - cause uncertain. In general only the odd darker green colored sections have higher magnetic response.					
	13.71-14.47; Deep wine colored altered portion (weak feldspar porphyry stained with hematite). 5% volume infill quartz calcite (* at 14.47; 0.5 cm pyritized band at 45° with quartz calcite - some grey sulphides - possible					

LB-39)

# DIAMOND HILL RECORD

PROPERTY ... CEC ... STUMP LAKE .....

HOLE No. ....

DIP TEST		
ANGLE		
Footage	Reading	Corrected

Hole No. 84-6 ..... Sheet No. 2 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	galena ??)						
	22.5-24.5; Some banding						
	29.4-31.0; Ditto						
	35.6-41.0; Banded portion						
	41.8-42.3; Banded portion (typical 0-1% dissem. pyrite)						
	45.1-48; Banded portion						
	@ 47.4; 1 cm portion in the higher altered pale green banded section is a soft non-carbonate (deep blue to purple hue - unidentified mineral)						
	From 48.0 to 60.14; pyroclasts increase significantly in size (to 2 cm size) and in % volume						
	54.45-54.90; Dark green section, moderate magnetism						
	54.9-59.73; Banded altered portion (variable alteration) - bleached sections, v. low pyrite content.						
	59.73-60.10; Dark green, non-banded						
*	60.1-64.75; MAFIC PORPHYRY						
	Mafic phenocrysts (blurred crystal boundaries 0.3 cm size common)						

104-82

# DIAMOND DRILL RECORD

PROPERTY .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-6 ..... Sheet No. 3 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	Contact is sharp but irregular						
	(61-62; Grey massive appearance - likely the porphyry altered - some pale green where most intense - some f.g. pyrite)						
	64.75-66.34; Highly altered porphyry to pale grey color (few barren white quartz veins at 25° to 3 cm size) some f.g. pyrite cubes.						
**	66.34-68.06; 1.72 m of vein. Upper contact at 30°, shattered & healed with tendrils of grey sulphides & pyrite (fine grained), occasional host fragment. lower contact 20-25°						
	68.06-69.77; (similar to 64.75-66.34) @ 69.35; 0.5 cm infil of quartz at 20°, some grey sulphides with quartz)						
	-evidence of brecciation with quartz tendrils as healing mechanism (bits of pyrite & trace grey sulphides associated with the quartz)						
	69.77-70.68; Mineralized vein						

17-41



# DIAMOND DRILL RECORD

PROPERTY .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. ...84-6..... Sheet No. ...4..... Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE							
	-Lower contact ~50° (but bands at 30° occasionally in the vein), much evidence of brecciation - healed with minerals of grey sulphides & pyrite (f.g.) from 70.4 - 70.69; 24 cm good high grade fine grained grey sulphides - galena, tetrahedrite, pyrite, irregular lower content.									
	70.68-70.84; 16 cm altered host, pale green									
	70.84-70.92; 8 cm mineralized vein, contacts at ~50° to C. A. Good sulphides as above plus some chalcopyrite									
	70.92-72; Altered porphyry (similar to 64.75-66.34), gradually decreases from pale green into regular green porphyry (Mafic phenocrysts)									
	72-74.1; Mild altered porphyry with 5% irregular white quartz infilling									
	74.1-74.3; 20 cm of gouge, with some grey sulphides, upper contact 2 cm quartz at 35°, lower contact 6 cm quartz at 35°									
	From 74.7-75.9; MASSIVE (APPEARING) GREENSTONE									

TAG #	Au	Ag	Pb	Zn	Cu	U
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13.7-14.5	17810	.004	.03	.02	.04	.01	L.01
66.25-67.0	17808	.002	.06	.03	.02	.01	L.01
67.0-68.15	17809	.002	.09	.52	.02	.01	L.01
68.15-69.7	17811	L.001	L.01	.01	.02	.01	L.01
69.7-70.9	17812	.022	2.10	1.75	.66	.06	-
70.9-71.9	17813	L.001	L.01	.01	.01	.01	-
73-74.6	17814	L.001	L.01	.01	.01	.01	-

17807

# DIAMOND DRILL RECORD

PROPERTY .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-6 ..... Sheet No. 5 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	<u>-Variable pale-dark green alteration,</u>						
	<u>healed brecciation evident but no</u>						
	<u>visible sulphides.</u>						
	<u>END OF HOLE - 75.9 m (249 ft.)</u>						

fe 1-97

# DIAMOND DRILL RECORD

PROPERTY ...CEC... STUMP LAKE.....

HOLE No. ....84-7.A.....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-7.A Sheet No. 1 Lat. .... Total Depth 13.72 m. (45 ft.)  
 Section ..... Dep. .... Logged By R. Wells  
 Date Begun JULY 84 Bearing ..... Claim .....  
 Date Finished JULY 84 Elev. Collar ..... Core Size BQ

*R. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
0 - 7.92	Casing					
7.92 - 13.72	GREENSTONE ("Andesite")					
	-F.g. with blurred crystal boundaries, occasional sections with pyroclasts to 1 cm size, occasional weak "flow" banding at 50°.					
	-Few veinlets ( $\leq$ .5 cm size) of quartz-calcite at various angles - contain a mix of specular hematite and magnetite					
	-Pyrite 0 - 1% volume					
	-Weak to moderate magnetism					
	-Generally massive (green sandy appearance)					
	END OF HOLE (13.72 m, 45 feet)					
	Hole abandoned due to broken casing					

84-7A

# DIAMOND DRILL RECORD

PROPERTY ... CEC. ... STUMP LAKE .....

HOLE No. ... 84-7.A .....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-7.A Sheet No. 1 Lat. .... Total Depth 13.72 m. (45 ft.)  
 Section ..... Dep. .... Logged By R. Wells  
 Date Begun JULY 84 Bearing ..... Claim .....  
 Date Finished JULY 84 Elev. Collar ..... Core Size BQ

*R. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
0 - 7.92	Casing					
7.92 - 13.72	<p style="text-align: center;">GREENSTONE ("Andesite")</p> <p>-F.g. with blurred crystal boundaries, occasional sections with pyroclasts to 1 cm size, occasional weak "flow" banding at 50°.</p> <p>-Few veinlets (<math>\leq</math> .5 cm size) of quartz-calcite at various angles - contain a mix of specular hematite and magnetite</p> <p>-Pyrite 0 - 1% volume</p> <p>-Weak to moderate magnetism</p> <p>-Generally massive (green sandy appearance)</p>					
	END OF HOLE (13.72 m, 45 feet)					
	Hole abandoned due to broken casing					

144-87

# DIAMOND (WELL RECORD)

PROPERTY...CEC...STUMP LAKE.....

HOLE No...DDH 84-7 B.....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-7 B... Sheet No. 1... Lat. .... Total Depth 75.9 m (249 ft)  
 Section ..... Dep. .... Logged By R. Wells  
 Date Begun July 84... Bearing ..... Claim .....  
 Date Finished July 84... Elev. Collar ..... Core Size BQ

*R. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
0 - 6.55	Casing					
6.55 - 69.0	GREENSTONE (WEAKLY PORPHYRITIC ANDESITE)					
	-Occasional sections appear pyroclastic (sub-angular to subround fragments to 1 cm size)					
	-Few quartz-calcite veinlets (various angles, some associated magnetite & spec. hematite)					
	-Weak to moderate magnetic					
	-Pyrite 0-1% volume.					
	@ ~9.0; Few slips with 0.5 cm of gouge (pale green - unmineralized)					
	@ 12.6; 2 cm quartz calcite infill with angular 0.5 cm size greenstone fragments (infil at 65° to C. A.)					
	@ 16.1; 10-15 cm of f.g. dark grey (cherty looking) dyke? (appears to be volcanic origin), moderately magnetic.					
	17.0-17.68; Fault?, greenstone sand (sand size fragments - not rounded generally - possibly the clay gouge was washed out, unaltered appearance - no abnormal sulphides or oxides evident)					
	23.05-23.45; Quartz calcite infil ~1 cm wide					

8-45

# DIAMOND DRILL RECORD

PROPERTY ... CEC. S. STUMP LAKE.....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. ... 84-7.. B.. Sheet No. ... 2..... Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
	subparallel core some specular hematite					
	& weakly magnetic.					
	23.45-28.4; Occasional infil at various angles					
	similar to (23.05-23.45), generally					
	thin, Few 0.5 cm size at ~65°					
	27.4-28.4; Gradual increase in bleaching alteration					
	(does not become intense - merely a					
	paling of the greenstone)					
	28.4-29.0; Pale grey altered zone (brecciated)					
	-heavily bleached with sharp irregular					
	boundries, contains f.g., disseminated					
	pyrite (perhaps 2% volume), some					
	quartz infilling healing the brecc-					
	iation.					
	27.5-30.0; Periodic infil assessorry of a trans-					
	parent pale yellow soft non carbonate-					
	perhaps a zeolite					
	29.0-31.8; ~5% volume irregular brecciated infil					
	predominantly <u>calcite</u> (no sulphides					
	visible)					
	31.8-32.1; altered silicified zone, pale grey,					
	5% f.g. disseminated pyrite, irregular					

28-46

# DIAMOND DRILL RECORD

PROPERTY .... CEC. - STUMP LAKE .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-7.B ..... Sheet No. 3 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE							
	blurred contacts.									
	32.1-34.45; Mild alteration with healed dark hair fractures throughout (mixed pale to dark green color).									
					TAB					
					#	Au	Ag	Pb	Zn	Cu
**	34.45-36.30; Highly altered pale grey, healed brecciation with calcite, occasional bands at 30°-40° to C. A., (from 35.5-36.1; High f.g. pyrite to 10% volume contains the odd speck of galena & chalcopryite & perhaps graphite), in some places the brecciated fragments are very apparant.		28.35-29.15	17815	.008	.01	.01	.01	.01	.01
			31.8-32.20	17816	.004	.09	.02	.04	.02	.02
			34.5-35.5	17817	.001	.01	.01	.02	.01	.01
			35.5-36.3	17818	.004	.26	.02	.03	.02	.02
	36.3-39.15; Altered similar to (32.1-34.45)									
	39.15-40.5; DYKE?, f.g. crystalline, very dark grey, weak feldspar phenocrysts, ** moderate to strongly magnetic, upper contact sharp but somewhat irregular at 70°, lower contact gradational over 20 cm.									
	40.5-44.2; Mild alteration (various shades of green), occasional quartz calcite infils (<1 cm size) at various angles,									

17818

# DIAMOND DRILL RECORD

PROPERTY....CEC...STUMP LAKE.....

HOLE No.....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No...84-7-B... Sheet No...4... Lat..... Total Depth.....  
 Section..... Dep..... Logged By.....  
 Date Begun..... Bearing..... Claim.....  
 Date Finished..... Elev. Collar..... Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
	no visible sulphides					
	44.2-48.6; HIGHLY ALTERED GREY ZONE					
	-80% volume altered with short inter-					
	ludes similar to (40.5-44.2)					
	-contacts blurred at 60°-70° (2 cm					
	transition zone common)					
	-some portions brecciated & healed					
	with white quartz-calcite					
	-generally just intense bleaching of					
	the greenstone with some infilling,					
	aside from a bit of selective hematite					
	coloring appears barren of sulphides.					
	48.6-50.14; Similar to 40.5-44.2, mild alteration					
	with a few small sections with white					
	quartz-calcite veinlets & accompanying					
	grey alteration.					
	@ 50.0; 4 cm gouge with fragments (shear), pale					
	grey, some quartz-calcite.					
	50.14-52.64; ALTERED SECTION					
	30% volume of brecciation with intense					
	grey alteration (51.7-52.2: 50 cm					
	brecciation healed with quartz-					



# DIAMOND DRILL RECORD

PROPERTY.....GEC.....STENN LAKE.....

HOLE No.....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No.....91-7..B.. Sheet No...5..... Lat..... Total Depth.....  
 Section..... Dep..... Logged By.....  
 Date Begun..... Bearing..... Claim.....  
 Date Finished..... Elev. Collar..... Core Size.....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
	calcite & bits of transparent pale yellow soft mineral-zeolite?, no sulphides evident, (some purple stained sections likely due to hematite.					
	52.64-54.56; Mild alteration similar to 40.5-44.2					
	54.56-56.2; GREY ALTERED SECTION (80% volume) Contains some quartz-calcite stock-work and a 25 cm brecciated portion traces hematite & pyrite.					
	* 56.2-60.0; Greenstone continues of same type as described in the introduction, periodic 0.5 cm size white quartz-calcite infils occur at ~70° to C.A.					
	57.82-58.5; ALTERED SECTION Purple & buff altered greenstone some quartz-calcite, traces pyrite & perhaps traces of unidentified grey sulphide (?).					
	62.86-63.0; 14 cm pale altered portion (typical & barren of sulphides)					
	64.78-65.3; Altered portion (similar to 62.86-63.0)					

# DIAMOND HILL RECORD

PROPERTY ... CCG - STUMP LAKE .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 81-5-D Sheet No. 6 Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE						
	66.08-66.22; 14 cm pale altered with quartz-calcite veining at various angles.								
	66.5-66.9; 40 cm typical pale grey alteration with some quartz-calcite								
	67.05-68.65; Brecciated ALTERED GREY PORTION, some portions due to faulting (gouge with fragments), some f.g. pyrite in selective spots, 25 cm portion of dark green massive greenstone-moderately magnetic, notable amount of quartz-calcite infilling associated with the brecciated areas.								
	69.0-69.5; Pale grey altered greenstone (some quartz-calcite)								
	69.5-72.8 & 74.7-75.0; "GABBROIC" rock -dark mottled green/black appearance -significant moderate magnetism (high magnetite content)								
	72.8-74.7; Greenstone (mildly altered). Contacts appear to be gradational over 0.5 m length (alteration halo)								

END OF HOLE 75.9 m (249 ft.)

B-50

# DIAMOND DRILL RECORD

PROPERTY ... CELEBRITY ... STUMP LAKE .....

HOLE No. .... D.D.H. 84-8 .....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. ... 84-8 ..... Sheet No. ... 1 ..... Lat. ....  
 Section ..... Dep. ....  
 Date Begun ... JULY 84 ..... Bearing .....  
 Date Finished ... JULY 31/84 ..... Elev. Collar .....  
 Total Depth 141.2 m (463 ft.)  
 Logged By R. WELLS  
 Claim .....  
 Core Size BQ

*R. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
0 - 7.62	No core						
7.62 - 16.6	Overburden -Composed of a variety of rapid changes from banded, pyroclastic, tuffaceous, hematitic altered greenstone varieties plus sections of mud/sand "dirt".						
★ 16.6 - 20.53	MIX OF VEIN PLUS ALTERED GREENSTONE -50% volume quartz portions, contains some horses of greenstone with residual ghost textures & much probable bright green maraposite staining and infils healed with quartz. some quartz bands at 40-60° to C.A.; disseminated pyrite cubes variable concentration (~2% volume).						
20.53 - 21.8	ALTERED GREY BLEACHED GREENSTONE -This is an alteration halo related to the vein, contains 2-4% volume f.g. cube pyrite and several small quartz infils at 70-80° to C.A. @ 20.73; 20 cm grey gouge with fragments						
21.8 - 77.7	MASSIVE F.G. GREENSTONE (ANDESITE) -f.g. crystalline, low pyrite 0-1% volume, some portions appear to be weakly pyroclastic (contain occasional subangular to subround fragments of a somewhat similar crystalline "andesite") -Generally weak to non-magnetic						

# DIAMOND DRILL RECORD

PROPERTY... CELEBRITY... STUMP LAKE.....

HOLE No.....

DIP TEST		
ANGLE		
Footage	Reading	Corrected

Hole No. 84-8 Sheet No. 2 Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	23.12-23.7; This portion contains evidence of shearing with a bit of gouge, occasional hematite stain.						
	24.0-24.3; Weak color banding (subtle) at 10° to C.A.						
	@ 25.5; 20 cm grey altered greenstone with a 1 cm pyritized quartz vein at 50° to C.A.						
	@ 25.9; 1 cm quartz-calcite vein at 25° to C.A., contains some specular hematite & red hematite staining.						
	From 21.8-31.5 <sup>+</sup> ; Occasional tendrils of quartz-calcite at 65-80° to C.A. (commonly).						
	-* Occasional flow banding at 20° to C.A.						
	@ 35.9; 2 cm quartz-calcite infill at 80° (some hematite)						
	36.5-37; Altered brownish-purple greenstone (due to hematite stain (?), no sulphides)						
	@ 37.7; 1 cm quartz-calcite vien at 38°						
	44.1-45.20; Similar to (36.5-37.0)						
	42.5-46.5; Some periodic dark hair fractures with minor hematite, quartz-calcite at ~75° to C.A.						
	46.5-48.9; Altered similar to (36.5-37.0), some quartz-calcite infill subparallel core, trace cpy						
	** 49.9-51.4; Pale grey altered zone						
	-Contains a 40 cm quartz vein at 28-30° to C.A.						

# DIAMOND DRILL RECORD

PROPERTY . . . CELEBRITY . . . STUMP LAKE . . . . .

HOLE No. . . . .

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-8 . . . . . Sheet No. 3 . . . . . Lat. . . . . Total Depth . . . . .  
 Section . . . . . Dep. . . . . Logged By . . . . .  
 Date Begun . . . . . Bearing . . . . . Claim . . . . .  
 Date Finished . . . . . Elev. Collar . . . . . Core Size . . . . .

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	-Some brecciated fragments of original greenstone (but pale altered) in the white quartz, appears barren.						
	51.85-52.3; Similar to (36.5-37.0), minor gouge & quartz-calcite at 70°						
	53.5-54.2; Similar to (36.5-37.0); some brecciation healed with white quartz-calcite						
	⇒ 60.4-74.6; PYROCLASTIC GREENSTONE						
	-Fragments 1 cm size common (gradually peter out by 76.7)						
	73-73.3; Some irregular quartz-calcite infil with some associated pale grey alteration						
77.7 - 81.0	MAFIC PORPHYRY (GREENSTONE)						
	-Porphyritic appearance although original mafic crystals are blurred textures & frequently are dragged out forming an irregular flow feature (at 45-70° to C.A.)						
81.0 - 82.2	GREY ALTERED PORTION						
	-Consists of 15 cm quartz infil at 50-60° to C.A. & typical bleached grey halo, some pyrite cubes (2% locally)						
82.2 - 104.1	PYROCLASTIC GREENSTONE (UPPER CONTACT; IRREGULAR & SHARP AT 50°)						
	@ 91.0; 17 cm Grey altered portion with 3 cm quartz infil						

15-97

# DIAMOND DRILL RECORD

PROPERTY ... CELEBRITY ... STUMP LAKE .....

HOLE No. ....

DIP TEST		
ANGLE		
Footage	Reading	Corrected

Hole No. .... 84-8 ..... Sheet No. ... 4 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
	at 60° to C.A.					
	From 97.5; Noticeable decreases in pyroclast contact					
	99.1-99.4; Few incls of quartz (irregular)					
104.1 - 106.6	DACITE (FORMALLY CALLED GABBROIC ROCK)					
	-Upper contact sharp & irregular with 10 cm chilled margin					
	-Moderately magnetic (dark mottled appearance as previous-typical)					
106.6 - 111.75	PYROCLASTIC GREENSTONE (ANDESITE)					
	-Contact as before, evidence of shattering in the pyroclastic					
	Greenstone while healed with f.g. black infil from the					
	greenstone.					
	-Lower contact is gradational over 50 cm because of flow					
	line at 10° to C.A.					
111.75 - 113.4	DACITE					
	-Lower contact sharp & irregular @ ~40°, chilling effect					
	for ~20 cm, moderately magnetic as usual					
113.4 - 118.85	GREENSTONE (ANDESITE)					
	-Mildly pyroclastic & tuffaceous					
118.85 - 120.5	DACITE					
120.5 - 129.9	(similar to 113.4-118.85)					
	-Several hairline fractures at ~70° to C.A. healed with					
	white calcite (upper contact gradational over about					

# DIAMOND DRILL RECORD

PROPERTY ... CELEBRITY ... STUMP LAKE .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-8 ..... Sheet No. 5 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	Au	Ag	Pb	Zn	Cu
	40 cm - darkening effect but retains texture)		16.6-18.0	L.001	.03	.02	.02	L.01
	@ 123.85; 40 cm altered portion		18.0-19.0	L.001	.01	.02	.01	L.01
	-Consists of 4 cm irregular quartz infil with pale pink alteration halo (color due to hematite)		19.0-20.5	L.001	L.01	.01	.01	L.01
			20.5-21.8	L.001	L.01	L.01	.01	.01
129.9 - 139.7	EXTENSIVE PALE GREY ALTERED PORTION		46.9-47.85	L.001	L.01	L.01	.01	.01
	-Extensively brecciated throughout & healed with white quartz (many tendrils at ~ 70° to C.A.)		50.2-50.9	.02	L.01	.01	.01	.01
			53.5-54.2	L.001	L.01	.01	.02	.01
	-Total quartz content about 10-15% volume.		81-82	L.001	L.01	L.01	.01	L.01
	-Originally greenstone (Andesite)		130-132	L.001	L.01	L.01	.01	L.01
	-125.65-125.95; 30 cm pale gouge (probable fault) with some pyrite cubes nearby.		132-134	L.001	L.01	L.01	.01	.02
			134-136	.001	.01	L.01	.01	.01
	Near 126.75; Traces grey sulphides with the pyrite		136-138	L.001	L.01	L.01	.01	.01
	-135.3-137.2; More f.g. pyrite than usual (~ 2% volume) with occasional trace grey sulphides		138-140	.001	.03	.01	.01	.01
	-137.9-139.3; 3-5% f.g. disseminated sulphides, evidence of shearing (fault brecciation) but is largely healed, some slips at 45-50° to C.A., trace grey sulphides.							
137.9 - 141.2	TYPICAL GREENSTONE (ANDESITE)							
	141.2 m (463 ft.) END OF HOLE							

# DIAMOND ( W I L L R E C O R D

PROPERTY .. CELEBRITY .. STUMP LAKE .....

HOLE No. D,D,H, 84-9 .....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-9 ..... Sheet No. 1 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .. R. WELLS .....  
 Date Begun .. AUGUST .. /84 ..... Bearing ..... Claim .....  
 Date Finished .. AUGUST .. 84 ..... Elev. Collar ..... Core Size .. BQ .....

*R. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
0 - 5.49	No core					
5.49 - 48.2	TUFFACEOUS ANDESITE (GREENSTONE)					
	-Crystalline andesite with some evidence of tuffaceous fragments & scattered pyroclasts to 1 cm size (< 5% volume), ≤ 1% disseminated pyrite & traces of hematite, non-magnetic					
	10.65-11.07; 42 cm typically GREY ALTERED ZONE few tendrils white quartz infil at 40° to core axis, 2 - 4% volume f.g. pyrite cubes					
	12.0-12.4; 40 cm BLEACHED ALTERED ZONE low pyrite, some quartz infil					
	14.6-20.15; ALTERED GREY ZONE (5.55 meters)					
	contains 3 portions 10-30 cm which is brecciated & healed in part with quartz infilling (some associated gouge). The alteration intensity is related to these 3 zones as expected. Some scattered disseminated specular hematite & traces pyrite, this zone appears to cut the core axis at 25°					
	25-25.45; 45 cm ALTERED GREY ZONE					
	contains 25 cm brecciated section healed with barren quartz, contact at 40° to C.A.					

D-5-6



# DIAMOND DRILL RECORD

( PERTY ... CELEBRITY ... STUMP LAKE ..... (

HOLE No. .... (

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. ... 84-9 .....	Sheet No. ... 2 .....	Lat. ....	Total Depth .....
Section .....	Dep. ....	Logged By .....	
Date Begun .....	Bearing .....	Claim .....	
Date Finished .....	Elev. Collar .....	Core Size .....	

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
	@ 28.4; 20 cm PALE ALTERED ZONE					
	contains 2 cm quartz infil at 25° with brecciated fragments (pinkish due to hematite staining)					
	@32.25; 25 cm PALE ALTERED ZONE					
	33.0-42.0; 9 Meters with 2-5% volume white calcite infil at various angles					
	41.9-43.55; ALTERED GREY ZONE					
	contacts at ~25° to core axis, traces pyrite & specular hematite					
	46.1-47.2; ALTERED GREY ZONE					
	contains 25 cm portion of the usual barren brecciated section healed with white barren quartz					
	47.2-51.9; variable alteration to the vein due to bleaching (generally pale green epidote color), contains a few barren quartz infils 2-8 cm size.					
48.45 - 54.2	TUFFACEOUS ANDESITE					
	30-50% volume rounded 0.3 cm size fragments, some portions with a flow alignment (lower contact uncertain due to alteration (significant in that this change in lithology may have provided a preferential control for the input of the mineralized veins)					

( 8 5 )



# DIAMOND DRILL RECORD

PROPERTY ... CELEBRITY - STUMP LAKE .....

HOLE No. D. D. H. 84 - 10 .....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-10 ..... Sheet No. 1 ..... Lat. .... Total Depth 55.17 m (181 ft)  
 Section ..... Dep. .... Logged By R. WELLS .....  
 Date Begun AUGUST 84 ..... Bearing ..... Claim .....  
 Date Finished AUGUST 84 ..... Elev. Collar ..... Core Size 80 .....

*H. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE		
0 - 4.8	No core				
4.8 - 55.17	BANDED ANDESITE (GREENSTONE)				
	-Typical, periodic banding (flow?) at 45-50° to core axis, low pyrite, non-magnetic				
	4.8-7.55; Banded andesite; appears to be bedrock, green relatively unaltered				
	7.55-14.54; GREY ALTERED ZONE ~1% volume pyrite, occasional quartz infils				
	11.6-12.0; Sandy gouge(?), may be ground core, unaltered, @ 13.1; 15 cm healed brecciation				
	19.0-22.5; Few 10-30 cm grey altered portions with a few narrow barren quartz veins.				
	29.8-31.2; ALTERED PORTION -Good remant banding throughout, some dark red hematite stained sections -30 cm buff gouge with host fragments, barren				
	35.08-35.9; GREY ALTERED PORTION Contained 15 cm of brecciated vein (quartz) 2-4% pyrite throughout.				
	37.5-39.2; PYROCLASTIC PORTION Pyroclasts to 2 cm size				

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-10 ..... Sheet No. 2 ..... Lat. .... Total Depth .....  
 Section ..... Dep. .... Logged By .....  
 Date Begun ..... Bearing ..... Claim .....  
 Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
39.2-44.58;	BANDED ANDESITE (GREENSTONE)						
	-Banded portions tend to be finer grained & may be related to alteration, bands at 40-45° to core axis, banded areas tend to have a bleached appearance with pale epidote coloring.						
44.58-55.71;	11.13 m GREY ALTERED MINERALIZED ZONE						
	44.58-46.52; Ghost remnant banding (flow) at 50° to core axis in grey altered greenstone with 2-5% v.f.g. grey appearing pyrite.						
46.52-47.38;	~80 cm MINERALIZED QUARTZ VEIN						
	Some altered host fragments mixed with the quartz, evidence of some brecciation, mineralization consists of a mix of pyrite & galena with some possible sphalerite & chalcopvrite (all as blotches & fine related tendrils)						
47.38-48.07;	Altered similar to 44.58-46.52						
48.07-48.71;	64 cm MINERALIZED QUARTZ VEIN						
	Largely quartz with some incorporated fragments of host & grey clayey gouge;						

# DIAMOND DRILL RECORD

PROPERTY .. CELEBRITY .. STUMP LAKE .....

HOLE No. ....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-10 Sheet No. 3 Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	Au	Ag	Pb	Zn
	mineralization is variable in intensity	17876	44.52-45.50	1.001	.03	.01	.01
	similar to 46.52-47.38; some possible	17877	45.50-46.50	.004	.09	.02	.02
	tetrahedrite at the upper end.	17878	46.50-47.40	.298	6.40	.62	.35
48.71-50.72;	Altered Portion (see 44.58-46.52)	17879	47.40-48.07	.006	.29	.10	.03
	Contains some 1-2 cm quartz veinlets	17880	48.57-48.71	.312	.76	.67	.98
	with a dark grey metallic sulphide	17881	48.71-49.70	.024	.14	.31	.65
	(possibly tetrahedrite)	17882	49.70-50.72	.022	.20	.10	.81
50.72-50.98;	<u>MINERALIZED QUARTZ VEIN</u>	17883	50.72-50.98	.130	3.50	2.60	2.61
	Mineralized as the other veins; the	17884	50.98-53.00	1.001	.06	.03	.02
	last 10 cm has 50% sulphides, pyrite,	17885	53.0-55.17	1.001	.03	.02	.02
	galena, and a very hard dull dark	17886	12.50-13.50	.005	.06	.02	.01
	grey mineral (has an appearance of	17887	35.02-35.30	1.001	.06	.02	.01
	illmenite but is non-magnetic.)						
50.98-55.17;	GREY ALTERED ZONE						
	Variable alteration to end of hole,						
	pyrite content much less (~1% vol.)						
	occasional possible traces grey						
	sulphides, some flow bands at 40° to						
	C.A.						
55.17 m (181 ft.)	END OF HOLE						

# DIAMOND ( HILL RECORD

PROPERTY CELEBRITY ENERGY CORP., STUMP LAKE

HOLE No. DDH 84-11

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-11 Sheet No. 1 Lat. Total Depth 78.64m (258')

Section Dep. Logged By R. Wells

Date Begun August 22, 1984 Bearing Claim

Date Finished August 29, 1984 Elev. Collar Core Size BQ

*R. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
0 - 4.8	NO CORE					
4.8 - 78.64	LARGELY BANDED ANDESITE					
	- similar to 84-10					
	- loading features observed in the color banding at 45-55° C.A.					
	- a few portions are tuffaceous					
	9.7 - 15.54 GREY ALTERED ZONE					
	- bleached by fluids					
	(9.9 - 10.63; 73cm mixed white quartz infilled healed brecciation with 50% highly altered grey host, pyrite cubes 2-3% volume throughout)					
	(15.4 - 15.7; 30cm affected by some shear gouge)					
	- in general 2-5% volume pyrite cubes (disseminated)					
	15.54 - 18.90; 30% volume intermittent sections of pale grey alteration to 60cm size, small quartz infils commonly associated (low pyrite content)					
	- vein infils parallel the banding in the host @ 20.75; 1cm quartz vein at 40°, traces pyrite and magnetic					

B-621

# DIAMOND DRILL RECORD

PROPERTY... CELEBRITY ENERGY CORP. STUMP LAKE

HOLE No. .... DDH 84-11 .....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. ...84-11... Sheet No. ...2... Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
	26.8 - 27.75; GREY ALTERED ZONE					
	- typical low pyrite content, 20cm some gouge					
	33.6 - 36; PYROCLASTIC ANDESITE					
	- pyroclasts subangular 1 - 3cm size					
	39.65 - 40.20; 55cm GREY ALTER ZONE *					
	- contains 16cm brecciated quartz infil at 45-55° to C.A.					
	- the infil contains traces of pyrite with <u>galena</u> and a bit of <u>chalcopryrite</u>					
	43.3 - 48.53; 5.22m GREY ALTERED ZONE					
	- typical, contains a 20cm portion of gouge with some quartz, low overall pyrite 1 - 2% volume					
	50.35 - 55.3; GREY ALTERED ZONE					
	- 70% volume portions are altered, 30% weakly altered banded andesite, occasional quartz veinlets, 3-4 spots contain small splotches of probable <u>tetrahedrite</u> , pyrite variable 1-4% volume					
	(54.85 - 55.05; 30cm dark grey rock - very fine grained, few spots brecciated & healed with quartz infil)					
	56.2 - 59.2; GREY ALTERED ZONE					





# DIAMOND WELL RECORD

PROPERTY CELEBRITY ENERGY CORP. STUMP LAKE

HOLE No. DDH 84-12

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. 84-12 Sheet No. 1  
 Section    
 Date Begun August 30, 1984  
 Date Finished September 4, 1984

Lat.    
 Dep.    
 Bearing    
 Elev. Collar  

Total Depth 46.94m/154ft  
 Logged By R Wells  
 Claim    
 Core Size BQ

*R. Wells*

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
5.10 - 7.32	CASING WITH CORE FRAGMENTS						
7.32 - 46.94	BANDED ANDESITE						
	- similar to DDH 84-11						
	- banding angles to core axis						
	7.5m (65°)                      17.5m (50°)						
	10.0m (50°)                    18.5m (50°)						
	13.0m (50°)                    25.5m (25°)						
	13.8m (40°)						
7.90 - 10.6;	GREY ALTERED ZONE						
	- typical 2-4% volume fine grained disseminated pyrite grains						
	- small amount of irregular veining with possible trace grey sulphides						
13.0 - 21.1;	GREY ALTERED ZONE						
	- contains 3 portions ~40 cm virtually unaltered (13.0 - 14.2; contains a 14cm quartz vein and a few fine veinlets with visible splotches and tendrils of galena and pyrite)						
	16.05 - 18.3; contains about 40cm of rehealed brecciated quartz and occasional quartz veinlets with the odd trace of grey sulphide with the usual pyrite.						

159-97

# DIAMOND DRILL RECORD

PROPERTY... CELEBRITY ENERGY CORP. STUMP LAKE

HOLE No. .... DDH 84-12

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. .... 84-12. Sheet No. ... 2. Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	21.1 - 28.4 INTENSE GREY ALTERED ZONE						
	(21.6 -23.8; 4-5% volume disseminated pyrite with a few veins to 2cm size and thin quartz tendrils containing small amounts of grey sulphides)						
	(23.8 - 25.05; 1.25 meters HEALED BRECCIATED QUARTZ)						
	- contains about 40% volume of host fragments, ~5% volume pyrite in tendrils, fracture fills and dissemination, possible traces grey sulphides						
	(25.05 - 26.9; ~10% volume irregular quartz infil, 2-4% pyrite throughout, possible grey sulphide traces)						
	(26.9 - 28.4; GREY ALTERED PORTION						
	- ghost color banding, 1-2% disseminated pyrite which tends to align along the banding, generally undisturbed otherwise)						
28.4 - 46.94m	ALTERNATING SECTIONS OF ALTERED GREY BANDED ANDESITE AND UNALTERED BANDED ANDESITE						
	(30.2 - 31.6; some quartz infilling and small areas of healed quartz brecciation, pyrite						



# DIAMOND DRILL RECORD

*Peter Hannigan*

PROPERTY CELEBRITY ENERGY CORP. STUMP LAKE

HOLE No. C.E.C. D.D.H. 84-13

DIP TEST		
ANGLE		
Footage	Reading	Corrected

Hole No. 84-13 ..... Sheet No. 1 ..... Lat. 7+22S ..... Total Depth 28.7m .....  
 Section ..... Dep. 2+4.5E ..... Logged By P. Hannigan .....  
 Date Begun Sept. 10, 1984 ..... Bearing 250° ..... Claim No. Surrender .....  
 Date Finished Sept. 11, 1984 ..... Elev. Collar ..... Core Size B.Q. ....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE			
0 - 8.5	Overburden					
8.5 - 8.6	Chert					
	- colour banded siliceous material; dark brown to medium grey; carbonate lenses and veinlets present.					
8.6 - 25.0	Massive andesite					
	- greenish-grey basic intermediate fine-grained volcanic rock; quartz-feldspathic hornblende matrix; large phenocrysts of basic hornblende material in parts; carbonate veinlets in parts					
	8.6 - 11.0 - fine-grained massive andesite					
	11.0-14.0 - fine-grained massive andesite with large phenocrysts of dark grey basic material					
	14.0-14.6 - fine-grained massive andesite					
	14.6-14.7 - band of chert					
	14.7-24.4 - fine-grained massive andesite					
	- at 15.1 quartz-carbonate veinlet core angle at 60°					
	- at 17.0 quartz-carbonate veinlets with black chlorite; hematite in parts					
	24.4-24.5 - band of brecciated chert					

# DIAMOND HILL RECORD

PROPERTY... CELEBRITY ENERGY CORP. STUMP LAKE

HOLE No. C.E.C. D.D.H. 84-13

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. .... Sheet No. 2 Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE				
	24.5-25.0 - massive medium-grained andesite						
25.0 - 25.2	Chert						
	- light grey somewhat brecciated siliceous material; vuggy; disseminated pyrite in parts.						
25.2 - 25.5	Quartz vein and chert	17951	0.3				
	- white quartz with light grey massive chert; disseminated pyrite present throughout.						
25.5 - 25.6	Quartz vein	17952	0.1				
	- white quartz; minor mineralization - pyrite and grey sulphides						
25.6 - 26.35	Quartz vein	17953	0.75				
	- light grey massive siliceous material; disseminated pyrite throughout						
26.35- 26.4	Quartz vein	17954	0.05				
	- white quartz; disseminated pyrite and grey sulphides in parts						
26.4 - 26.8	Chert	17955	0.4				
	- light grey massive siliceous material; disseminated pyrite in parts						
26.8 - 27.4	Chert						
	- light grey massive siliceous material; disseminated pyrite in parts						

69-87

# DIAMOND DRILL RECORD

PROPERTY... CELEBRITY ENERGY CORP. ....

HOLE No. C.E.C. D.D.H. 84-13 .....

DIP TEST		
Footage	ANGLE	
	Reading	Corrected

Hole No. .... Sheet No. <sup>3</sup> ..... Lat. .... Total Depth .....

Section ..... Dep. .... Logged By .....

Date Begun ..... Bearing ..... Claim .....

Date Finished ..... Elev. Collar ..... Core Size .....

DEPTH	DESCRIPTION	SAMPLE No.	WIDTH OF SAMPLE	Au	Ag		
27.4 - 27.6	Andesite	17951	25.2-25.5	.008	0.17		
	- massive basic intermediate volcanic material	17952	25.5-25.6	.006	.47		
27.6 - 28.7	Chert	17953	25.6-26.0	.006	.14		
	- light gray massive siliceous material; vuggy	17954	26.0-26.4	.010	.41		
	in parts; disseminated pyrite in parts	17955	26.4-26.8	.004	.09		
	Core angle @ 28.6 - 75° END OF HOLE.						

101-9

List of claims upon which geophysical work was actually performed:

<u>Claim Name</u>	<u>South Group</u>	<u>Record Number</u>
Bluebird		680
Dorothy		684
The Garden No. 3		688
Brian		685
Wren		681
The Garden No. 4		689
Scotia		686
The Garden No. 5		690
Au #100		1338
Dot		803

North Group

Silver Star		305
Planet No. 1		306
New Star No. 2 Fraction		307
Day Star		308
No Surrender, King William		357
Silver King No. 2		358
Nels Fraction		361
Gentle Annie		362
Maybelle Fraction		363
Sheelah		369
Marion C Fraction		370
Belle Scott		371
Ruby M Fraction, Star Fraction No. 1		397
Georgina M Fraction		399
Esther M Fraction		400
New Star No. 1 Fraction		410
Enterprise		411
Tubal Cain, Christina, Joshua		412
Au #400		1341

ITEMIZED COST STATEMENTGEOPHYSICAL SURVEYSouth GroupMay 5 - May 9, 1984

Geophysical survey, vector pulse electro- magnetometer survey @ \$600.00/day	\$3,000.00
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June 7, 8 and 10, 1984

Additional vector pulse surveying @ \$895/day	\$2,685.00
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May 29 -31; June 8 - 9, 1984

Magnetometer surveying base station mobile magnetometer and operator @ \$425./day	\$2,125.00
--	------------

July 1984

Magnetic survey report compilation	\$450.00
Magnetic survey data processing and Plan Map plotting	<u>\$250.00</u>

Total for the South Group	\$8,510.00
---------------------------	------------

North GroupMay 10 - May 14, 1984

Geophysical survey, vector pulse electro- magnetometer survey @ \$600.00/day	<u>\$3,000.00</u>
---	-------------------

Totals for the North Group	\$3,000.00
----------------------------	------------



## D) GEOCHEMICAL SURVEY

I. INTRODUCTION

For a discussion of the geography and physiography and the history and previous work, refer to the introduction in the drilling report in section B.

Geochemical samples were collected throughout the grid. The majority of the samples taken and analysed were collected in 1983. This report deals exclusively with the samples collected and analysed in 1984. A total of 2,189 geochemical soil samples were collected, of which 1004 of them were analysed. All 1004 samples were analysed for copper, zinc, and silver while 531 samples were also analysed for lead and 77 samples for gold.

List D-1 - Specific claims upon which geochemical samples were taken; samples collected only.

South Group

<u>Claim Name</u>	<u>Record Number</u>
Bluebird	680
The Garden No. 2	687
The Garden No. 3	688
Brian	685
Wren	681
Azela	677
The Garden No. 4	689
The Garden No. 5	690
Au #100	1338
Au #200	1339
Dot	803

North Group

Sun	405
Au #300	1340

List D-2 - Specific claims upon which geochemical samples were taken; samples collected and analysed.

South Group

<u>Claim Name</u>	<u>Record Number</u>
The Garden No. 3	688
Brain	685
The Garden No. 4	689
Scotia	686
The Garden No. 5	690
Au #100	1338
Wren	681
Dot	803

North Group

Silver Star	305
New Star No. 2 Fraction	307
Day Star	308
King William	357
Sheelah	369
Star Fraction No. 1	397
Lee No. 8	404
New Star No. 1 Fraction	410
LA #1	1237
LA #2	1238
Au #300	1340

II. DETAILED TECHNICAL DATA AND INTERPRETATION

The geochemical soil samples were collected every 20 metres. The sampling procedure consisted of digging a hole 20 - 30 centimetres deep with a digging tool. The B-horizon was sampled and 100 - 200 grams of material was stored in appropriately labelled standard brown paper soil bags.

The values obtained from these geochemical soil samples

are plotted on plan maps at a scale of 1:2500 (Maps 3-A, B, and D). A total geochemical plot was established on these maps. Generally, the samples were analysed for copper, silver, lead and zinc. Gold was occasionally assayed.

The analytical laboratory that performed the analyses was Kamloops Research and Assay Laboratory Limited of 912-1 Laval Crescent, Kamloops, B.C. The mesh size fraction used for analyses was -80 mesh. For copper, zinc, lead and silver, hot acid extraction and then atomic absorption was used. The method used for gold was a fire assay and then atomic absorption.

### III. RESULTS

Numerous geochemical anomalies were indicated on the property.

#### Map 3-A

The northwest corner of this map has a large anomaly with high values in all elements. This corresponds with the tailings pond produced the Enterprise and King William veins. The high values in the 1 to 2+00N/3 to 4+00E area seems to correspond with the Tubal Cain vein system. The anomaly at 2+00S/1 to 2+00E coincides the Enterprise workings. Also, the anomaly at 2 to 3+00S/5+50 to 7+50E seems to coincide with the Joshua vein system. The long and narrow anomaly from 5 to 10+00S/2 to 3+00E seems to point out the King William vein system and workings. Another anomaly at 11+00S/2+50 to 3+50E coincides with the Emulator workings.

#### Map 3-B

A geochemical anomaly with high copper, lead and zinc is present just west of the baseline on lines 16 to 17+00S. The area is covered with overburden. A cat trench was excavated on this anomaly and quartz float with lead mineralization was discovered. An old hand trench is

also present on this anomaly with large quartz fragments with lead and copper mineralization. Otherwise, there are a few quartz boulders in the area. There is a possibility that this anomaly is an extension of the shear zone that had a shaft sunk on it on Line 15+00S near the baseline. A backhoe trench is proposed directly south of this hand trench.

A geochemical anomaly is also present between line 18+00S to 23+00S from 3+00 to 6+00W. At this location copper values are high in parts as well as zinc. Very little outcrop is present here and when it is located, it consists of regular country volcanic rocks. A trench and shaft are present here. In the shaft, abundant quartz stringers and lenses are present in limonitic carbonatized altered material. Copper and gray sulphides were noted in the rusty quartz on the dump beside the shaft. The quartz assayed 2.39 ounces/ton silver. A cat trench was excavated on line 20+00S/5+00W and altered material was noted in the trench. Quartz fragments and boulders were noted in a remarkably persistent trend at 340°. This quartz material contained lead and copper in parts. One boulder assayed 0.014 ounces/ton gold and 1.14 ounces/ton silver. Two backhoe trenches were excavated on the strike of the trend but only overburden was encountered.

Also, a geochemical anomaly was noted, principally on lines 23 and 24+00S between 5 and 10+00W. This anomaly had generally higher copper values. Little or no outcrop was mapped in this area. Quartz fragments and boulders were located. This anomaly may be related to a pit excavated on a shear zone directly uphill of the anomaly. Two quartz veins were noted in the pit. A backhoe trench should be attempted at line 23+50S/8+00W.

Another geochemical anomaly was noted to the east of the baseline from 19+00 to 25+00S trending in a northeasterly direction. All four elements (Ag, Pb, Zn, Cu) are anomalous in parts. The majority of the area is covered with overburden but outcrop shows volcanic

andesitic material. A pit is present at 22+00S/5+00E within the anomalous zone. In the pit, altered carbonitized and bleached material with quartz veins and veinlets are present. A shaft and pit are located south of the anomaly as well with quartz veins in altered material. Assays of 1.95 and 0.17 ounces/ton silver are significant in these workings. They may be related to the anomaly.

#### Map 3-D

An anomaly was delineated between lines 38 and 41+00S and 3 to 6+00E. This anomaly seems to be directly related to the Jenny Long vein system and tailings.

Another anomaly was noted between lines 34 and 36+00S and 1 to 3+00E trending in a northwesterly direction. It is possible that it may be related to the Jenny Long system as it seems to be within the general trend of the anomaly at Jenny Long. This seems to be exclusively a copper anomaly with some high zinc values. This anomaly occurs within a creek bed and may prove difficult to evaluate from the surface because of deep overburden.

A high copper anomaly was noted at the eastern end of the grid (specifically lines 40 and 41+00S/12 to 14+00E). Most of the area is covered. The southeast section has outcrops of volcanic andesite but no mineralization or alteration was noted in these rocks.

An interesting anomaly occurs at the southern end of the grid (specifically between lines 48 and 51+00S/2+00W to 4+00E). This anomaly is quite extensive and has high silver and copper values predominantly. A pit was encountered during geological mapping at the north end of this anomaly. The pit walls seemed to consist of brecciated material with blocks of quartz and andesite. Quartz stringers and lenses are present throughout. A grab sample of quartz material gave assays of 0.118 ounces/ton gold and 0.35 ounces/ton silver. A cat trench excavated by Celebrity Energy Corp. located at 50+00S/0+40W indicated well-sheared and fractured material that has been later invaded by quartz. The quartz is abundant

as pods, veins and lenses. Sulphides (pyrite, chalcopryrite and sphalerite) are extensive. Numerous EM conductors (see Map 2-B in geophysical section) were identified in this anomaly as well.

#### IV. CONCLUSIONS AND RECOMMENDATIONS

Contrary to previous reports, geochemical soil surveying methods can delineate known mineralized veins as well as possible new targets. Deep glacial till may still mask other possible vein structures. Copper, lead, zinc seem to be adequate elements for delineation of possible trends.

Cat trenching and/or backhoe trenching should be attempted across these geochemical anomalies to determine possible causes for high values. Geophysical surveys were completed, that is time - domain electromagnetometer surveys and magnetometer surveys. Drilling was also attempted across the best geophysical and geochemical anomalies.

The southern anomaly is amenable to more trenching and drilling in the future. More prospecting and possible trenching should be attempted in the Jenny Long area because the geochemical anomaly may not be solely caused by the tailings and other workings in the area.

Backhoe trenching should be attempted in the Map 3-B area to evaluate the geochemical anomalies

In Map 3-A, hand-trenching and channel sampling in the old pits and trenches should be attempted to try to extend possible trends of the vein systems present there.

ITEMIZED COST STATEMENTGEOCHEMICAL SURVEYMarch 12, 1984Crew Supervision, Fred Klages

1 man day soil sampling @ \$160.00/day \$160.00

Samplers, linecutters, Brent Turmel, John Beggs

2 man days soil sampling @ \$135.00/day \$270.00

March 16, 1984Crew Supervision, Fred Klages

1 man day soil sampling @ \$160.00/day \$160.00

April 16-18, 1984Surveyor, draftsman, Rick Mitchell

3 man days drafting @ \$140.00 per \$420.00

April 30 - May 3, 1984Crew Supervision, Fred Klages

4 man days soil sampling @ \$160.00/day \$640.00

Samplers, Linecutters, Pete Johnston, John Beggs

8 man days soil sampling @ \$135.00/day \$1,080.00

May 4, 1984Samplers, Linecutter, John Beggs

1 man day soil sampling @ \$135.00/day \$135.00

May 7, 1984Samplers, linecutters, Pete Johnston, John Beggs

2 man days soil sampling @ \$135.00/day	\$270.00
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May 8 - 10, 1984

Samplers, linecutters, P. Johnston, J. Beggs  
Brent Turmel

9 man days soil sampling @ \$135.00/day	\$1,215.00
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May 11, 1984

Samplers, Linecutters, Pete Johnston, J. Beggs

2 man days soil sampling @ \$135.00/day	\$270.00
---	----------

June 13 - 14, 1984

Crew Supervisor, Fred Klages

2 man days soil sampling @ \$160.00/day	\$320.00
---	----------

September 12, 1984

Sampler, Linecutter, John Beggs

1 man day soil sampling @ \$135.00/day	\$135.00
--	----------

TRUCK DAYS

15 truck days @ \$52.00/day - fuel inclusive	\$780.00
--	----------

ANALYSES

531 soil samples - analysed for Cu, Pb, Zn, Ag @ \$5.30/sample	\$2,814.30
---	------------

473 soil samples - analysed for Cu, Zn, Ag, @ \$4.40/sample	\$2,081.20
--	------------

77 soil samples - analysed for Au @ \$6.00/sample	\$462.00
--	----------

Sept. 17 - 18, 1984

Geologist, Peter Hannigan

2 man days report preparation @ 190.00/day	\$380.00
--	----------



Total Cost	<u>\$11,592.50</u>
------------	--------------------

NORTH GROUP

70 units - 60% of 11,592.50 = \$6,762.29

Total cost available for North Group	\$6,762.29
--------------------------------------	------------

SOUTH GROUP

50 units - 40% of 11,592.50 = \$4,830.21

Total cost available for South Group	\$4,830.21
--------------------------------------	------------

AUTHOR'S QUALIFICATIONS

I, Peter K. Hannigan of Merritt, British Columbia, do hereby certify that:

1. I am a geologist employed by Scope Exploration Services Ltd., P.O. Box 1101, Merritt, B.C.
2. I am a graduate of the University of Calgary with a BSc Degree in Geology (1975).
3. I have practised my profession since graduation. My previous employers include Sherritt Gordon Mines Limited of Lynn Lake, Manitoba and Geophoto Services Incorporated of Dallas, Texas.
4. This assessment report is based on research and field work conducted by myself and support crew during 1984.

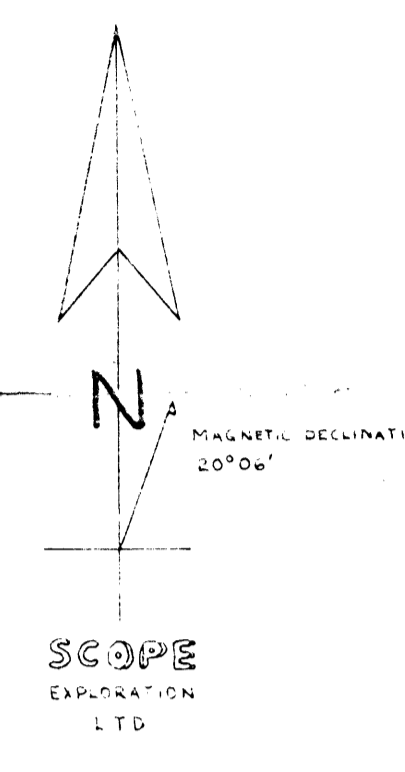
Respectfully submitted,

*Peter Hannigan*

Peter K. Hannigan  
September 24, 1984.

Au#400

STUMP LAKE



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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Part 2 of 2

**LEGEND**

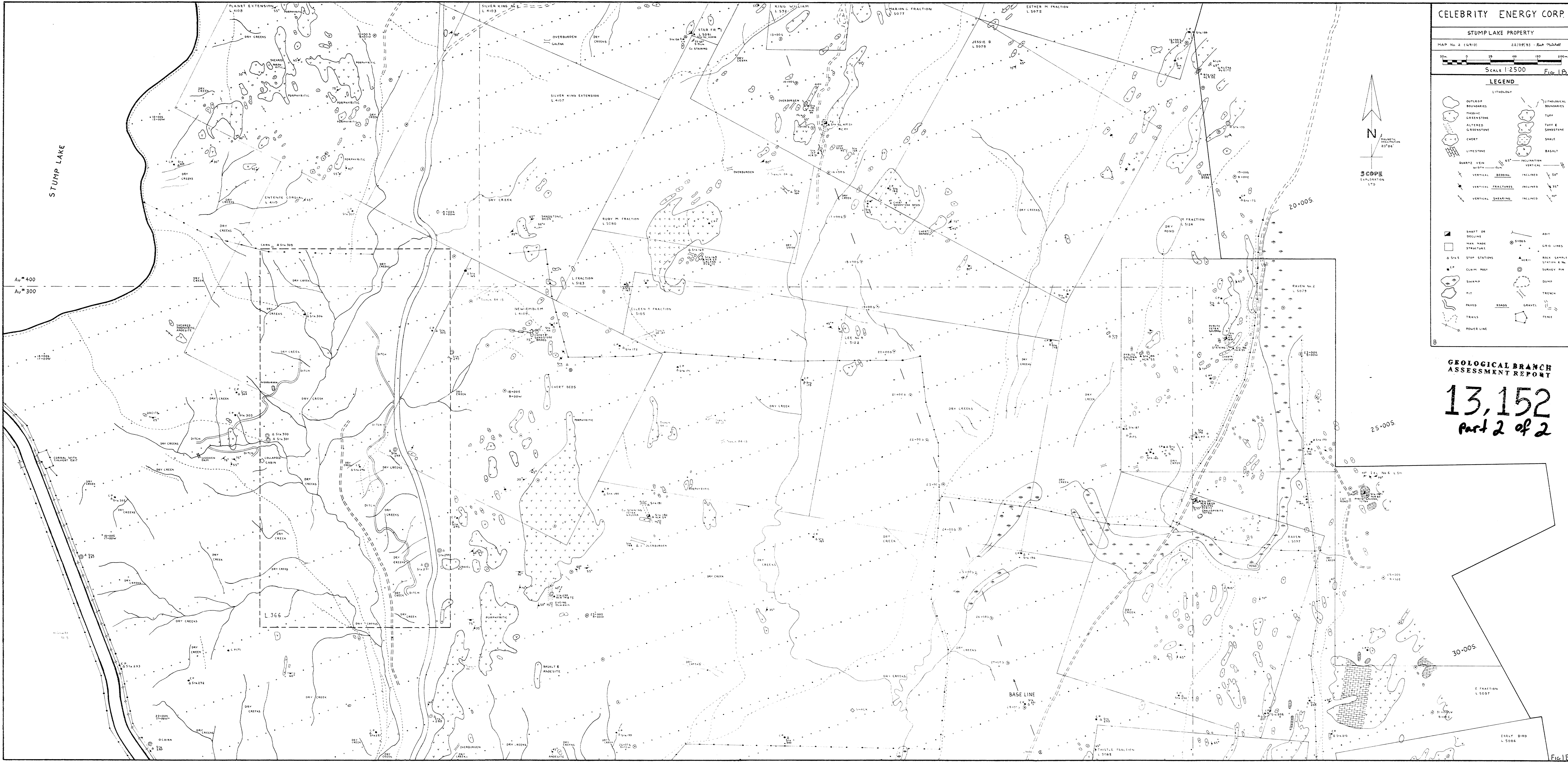
LITHOLOGY	
	QUARTZ VEIN
	LIMESTONE
	GREENSTONE
	ALTERED GREENSTONE
	CHEERT
	TUFF & SANDSTONE
	TUFF
	SHALE
	BASALT
	VERTICAL BEDDING
	VERTICAL FRACTURES, INCLINED 50°
	VERTICAL FRACTURES, INCLINED 35°
	VERTICAL FRACTURES, INCLINED 40°
	FAULT OR DECLINE
	MAN MADE STRUCTURES
	STOP STATIONS
	CLAIM POST
	SWAMP
	PIT
	ROAD
	TRAIL
	DITCH OR DRAIN HOLE
	GRID LINES
	BULK SAMPLE STATION & No.
	SURVEY PIN
	DUMP
	TRENCH
	GRAVEL
	FENCE

CELEBRITY ENERGY CORP.

STUMP LAKE PROPERTY

GEOLOGY BY HARRISON      EWC BY MITCHELL DAVIS

SCALE 1:2500 FIG 1A



**LEGEND**

**LITHOLOGY**

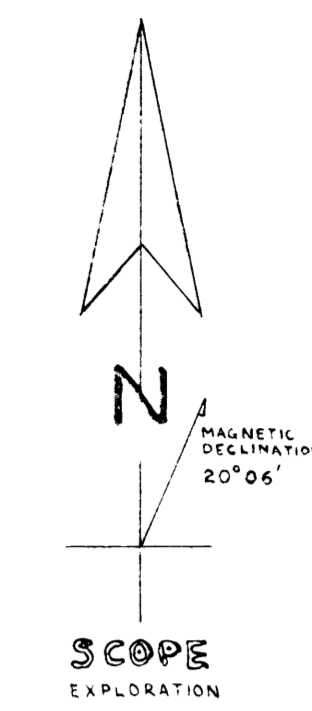
	OUTCROP BOUNDARIES		LITHOLOGICAL BOUNDARIES
	MASSIVE GREENSTONE		TUFF
	ALTERED GREENSTONE		TUFF & SANDSTONE
	CHELT		SHALE
	LIMESTONE		BASALT

**VEIN AND FAULT SYMBOLS**

	QUARTZ VEIN		INCLINATION
	VERTICAL BEDDING		INCLINED
	VERTICAL FRACTURES		INCLINED
	VERTICAL SHEARING		INCLINED

**STRUCTURAL AND SURVEY SYMBOLS**

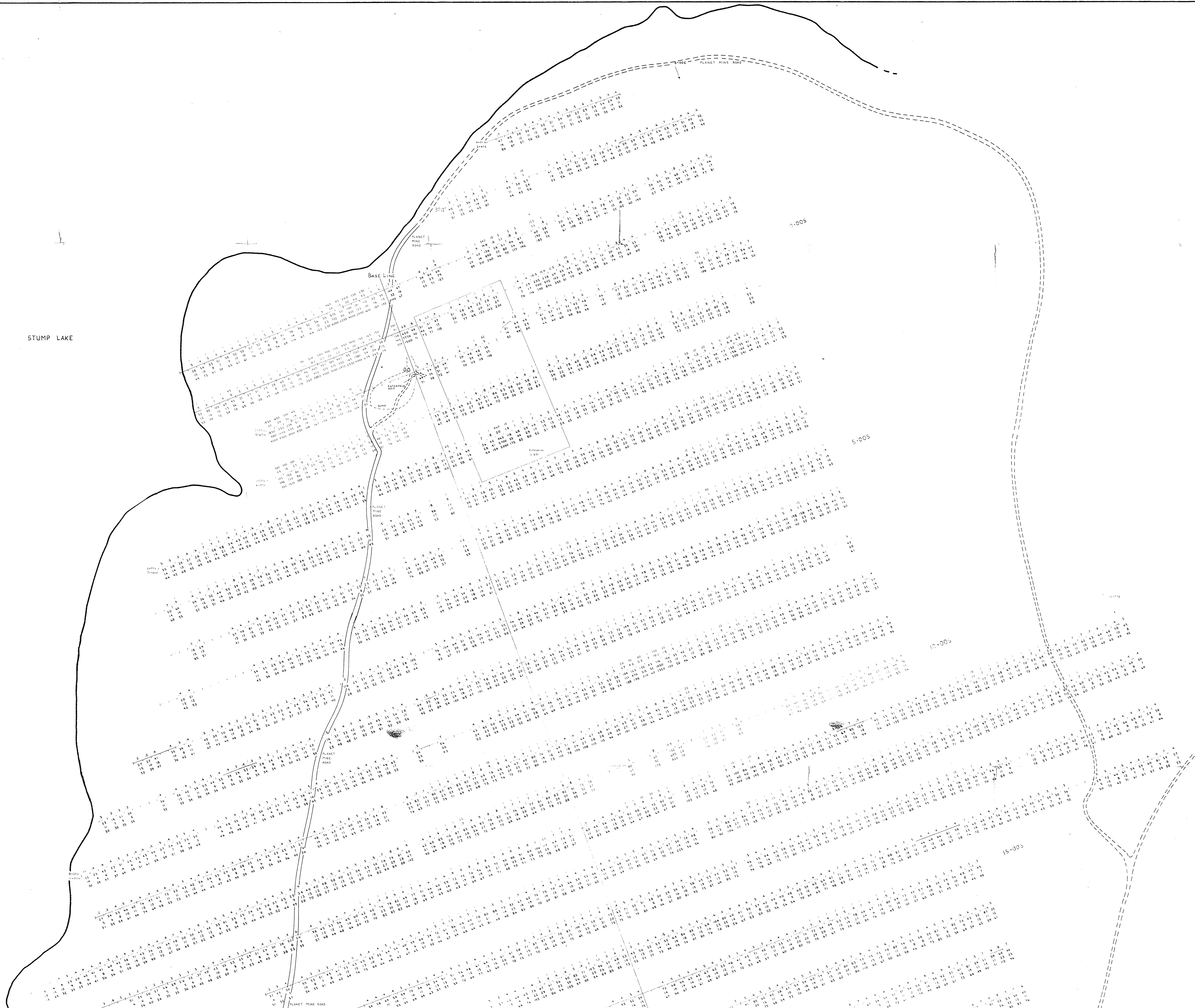
	SHAFT OR DECLINE		ADIT
	MAN MADE STRUCTURE		GRID LINES
	STOP STATIONS		ROCK SAMPLE STATION & No.
	CLAIM POST		SURVEY PIN
	SWAMP		DUMP
	PIT		TRENCH
	PAVED ROADS		GRAVEL
	TRAILS		FENCE
	POWER LINE		



**GEOLOGICAL BRANCH ASSESSMENT REPORT**

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STUMP LAKE



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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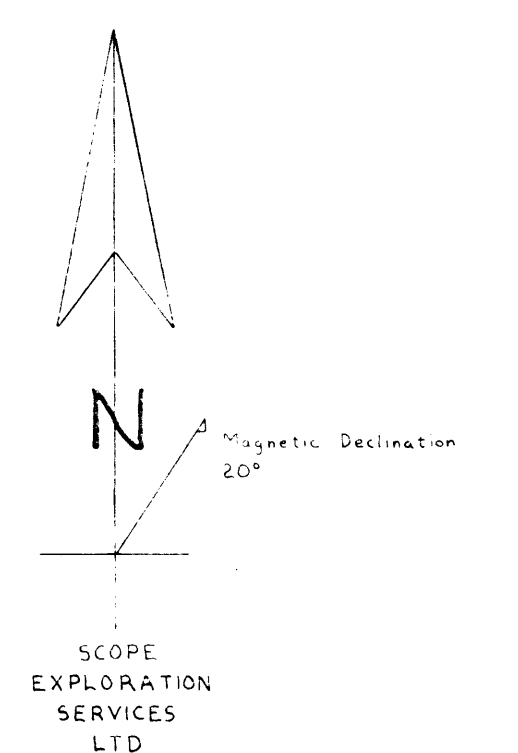
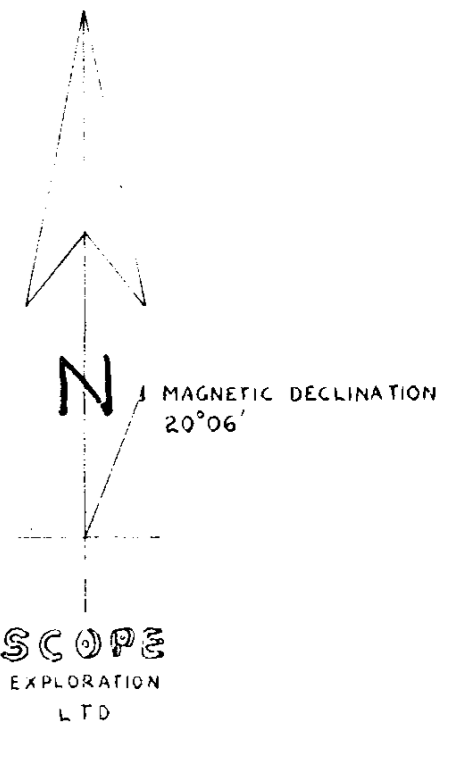


Fig 3A

CELEBRITY ENERGY CORP	
STUMP LAKE PROPERTY	
TOTAL GEOCHEM. PLOT	
100m STATION	20m STATION
100m STATION	20m STATION
SCALE 1:2500	

NORTH

DOT



SCOPE  
EXPLORATION  
LTD

**GEOLOGICAL BRANCH  
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LEGEND	
LITHOLOGY	
	OUTCROP BOUNDARIES
	MASSIVE GREENSTONE
	ALTERED GREENSTONE
	CHELT
	LIMESTONE
	QUARTZ PORPHYRY
	GRANDDIORITE
	QUARTZ VEIN
	VERTICAL BEDDING
	VERTICAL FRACTURES
	VERTICAL SHEARING
	SHARP OR DECLINE
	STOP STATION
	CLAIM POST
	SWAMP
	PIT
	PAVED
	TRAILS
	HYDROLOGICAL BOUNDARIES
	TUFF & SANDSTONE
	SHALE
	BASALT
	65° INCLINATION
	30° INCLINATION
	35° INCLINATION
	50° INCLINATION
	ADP
	GRID LINES
	ROCK SAMPLE STATION #1
	SURVEY PIN
	DUMP
	TRENCH
	GRAVEL
	FENCE

**CELEBRITY ENERGY CORP.**

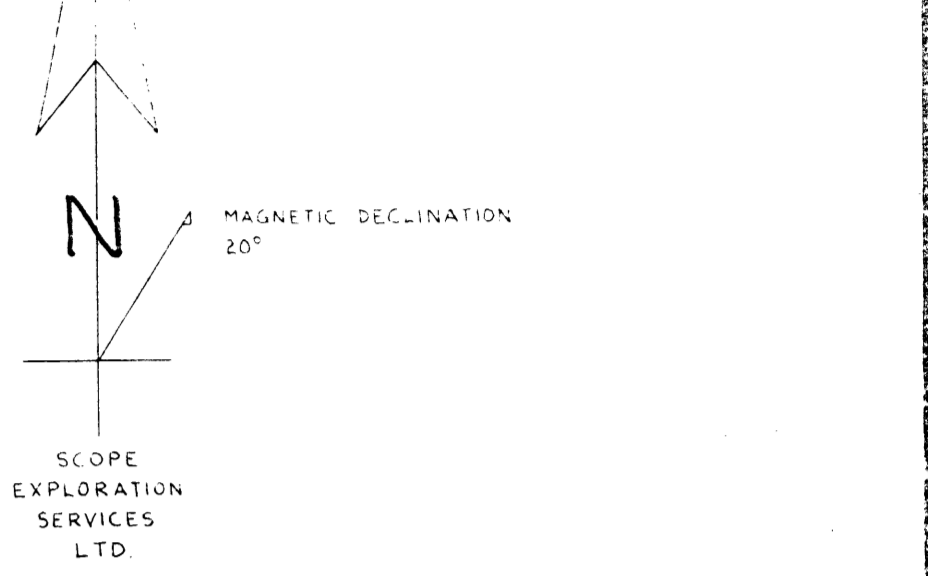
STUMP LAKE PROPERTY

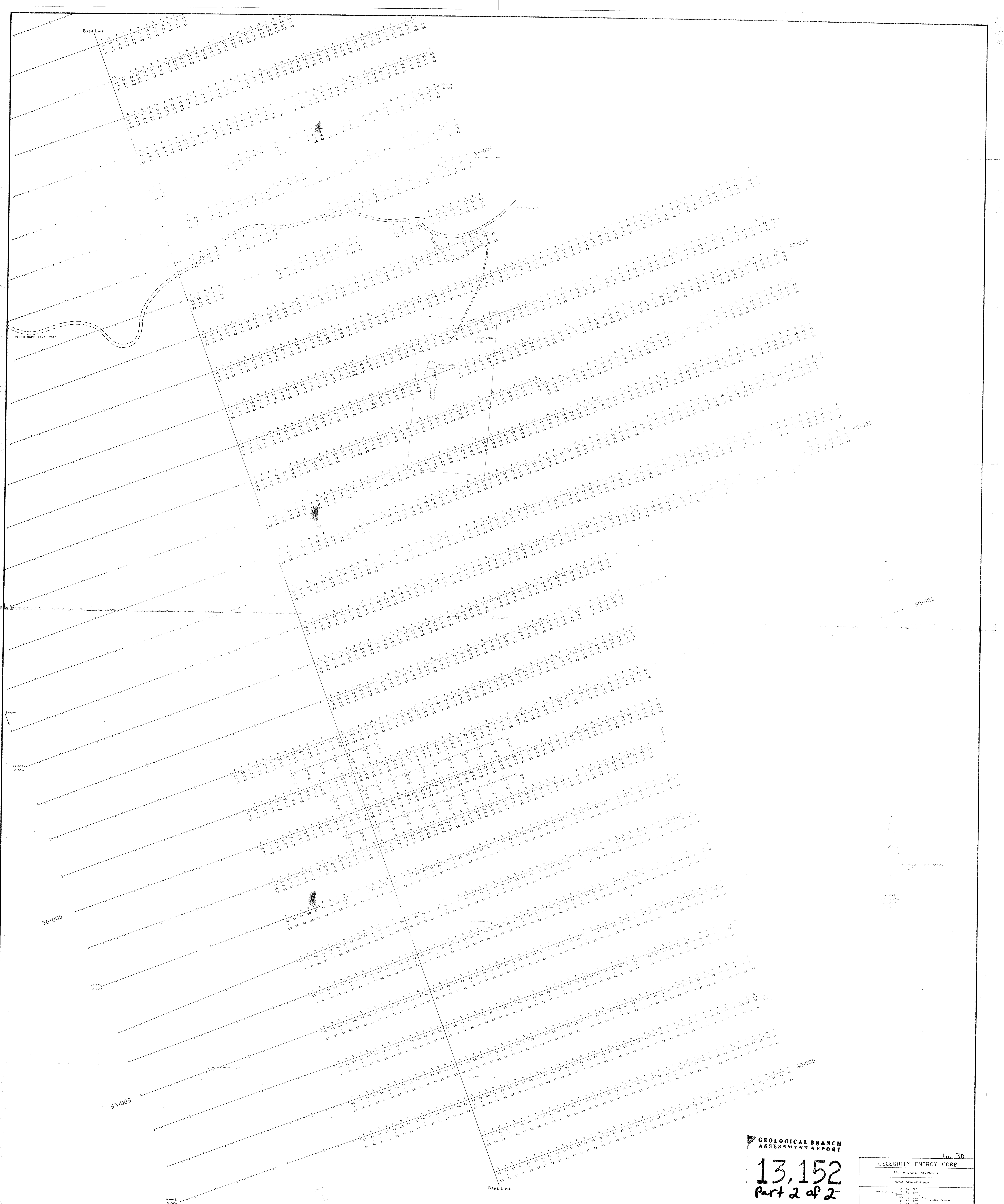
GEOLOGY: P. HANNIGAN      DWG. BY: R. MITCHELL 03/88

SCALE 1:2500      FIG. 1D

GEOLOGICAL BRANCH  
 ASSESSMENT REPORT

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GEOLOGICAL BRANCH  
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Fig. 3D

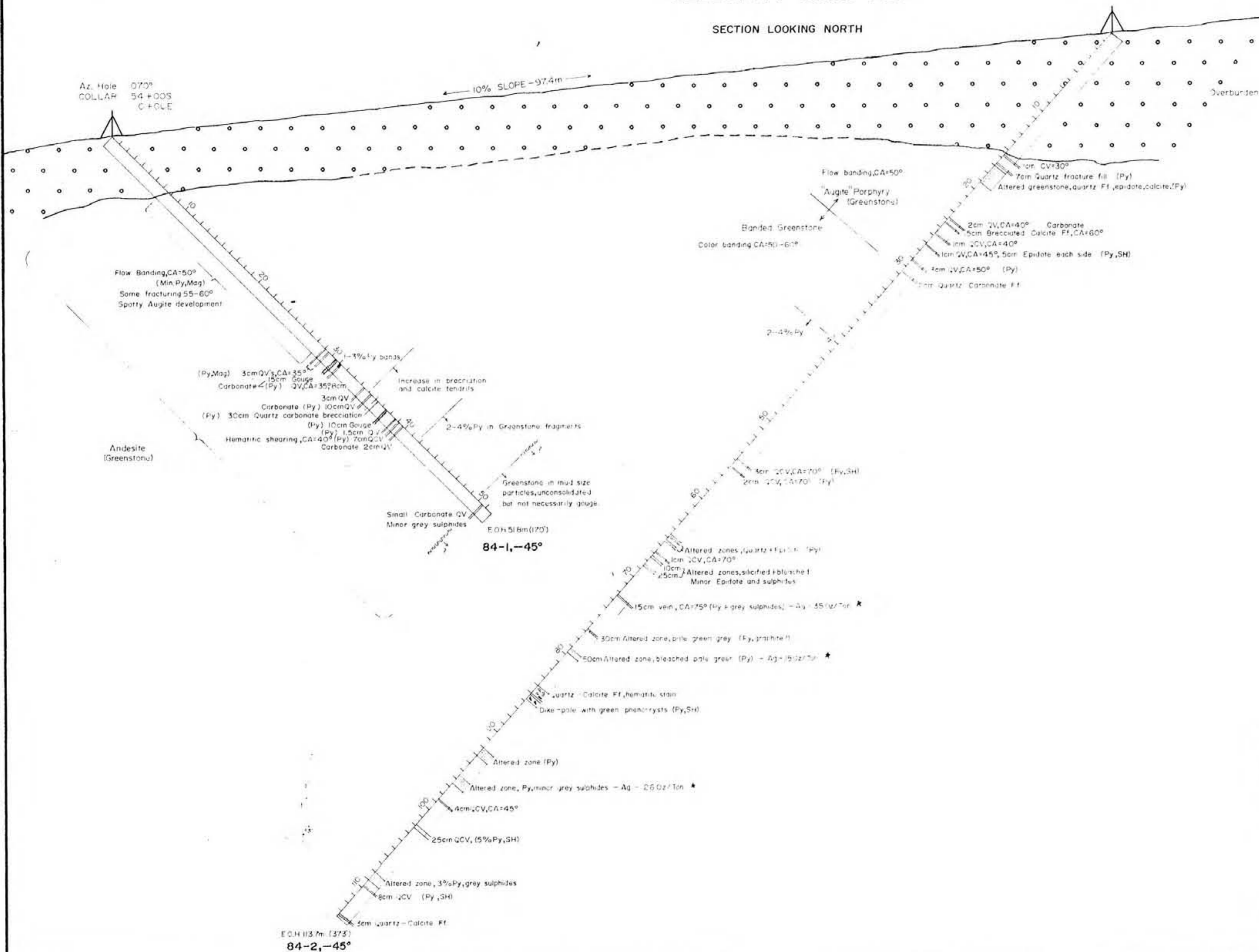
CELEBRITY ENERGY CORP.	
STUMP LAKE PROPERTY	
TOTAL GEOPHYSICAL PLOT	
05m Section	2 A2 200
	3 A4 200
	10 E4 200
	30 F4 200
	80 Z4 200
SCALE 1:2500	



# CELEBRITY D.D.Hs 1+2

SECTION LOOKING NORTH

Az. Hole 250°



GEOLOGICAL BRANCH ASSESSMENT REPORT

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CELEBRITY ENERGY CORP.

STUMP LAKE PROPERTY

SECTION OF D.D.H. 1+2

QV - Quartz Vein  
Py - Pyrite  
Mag - Magnetite  
Mn - Minor

QCV - Quartz, Calcite Vein  
SH - Specular Hematite  
CA - Angle to core axis  
Ft - Fracture filling

GEOLOGY - R.A. WELLS DWG BY R.M. 19/02/84

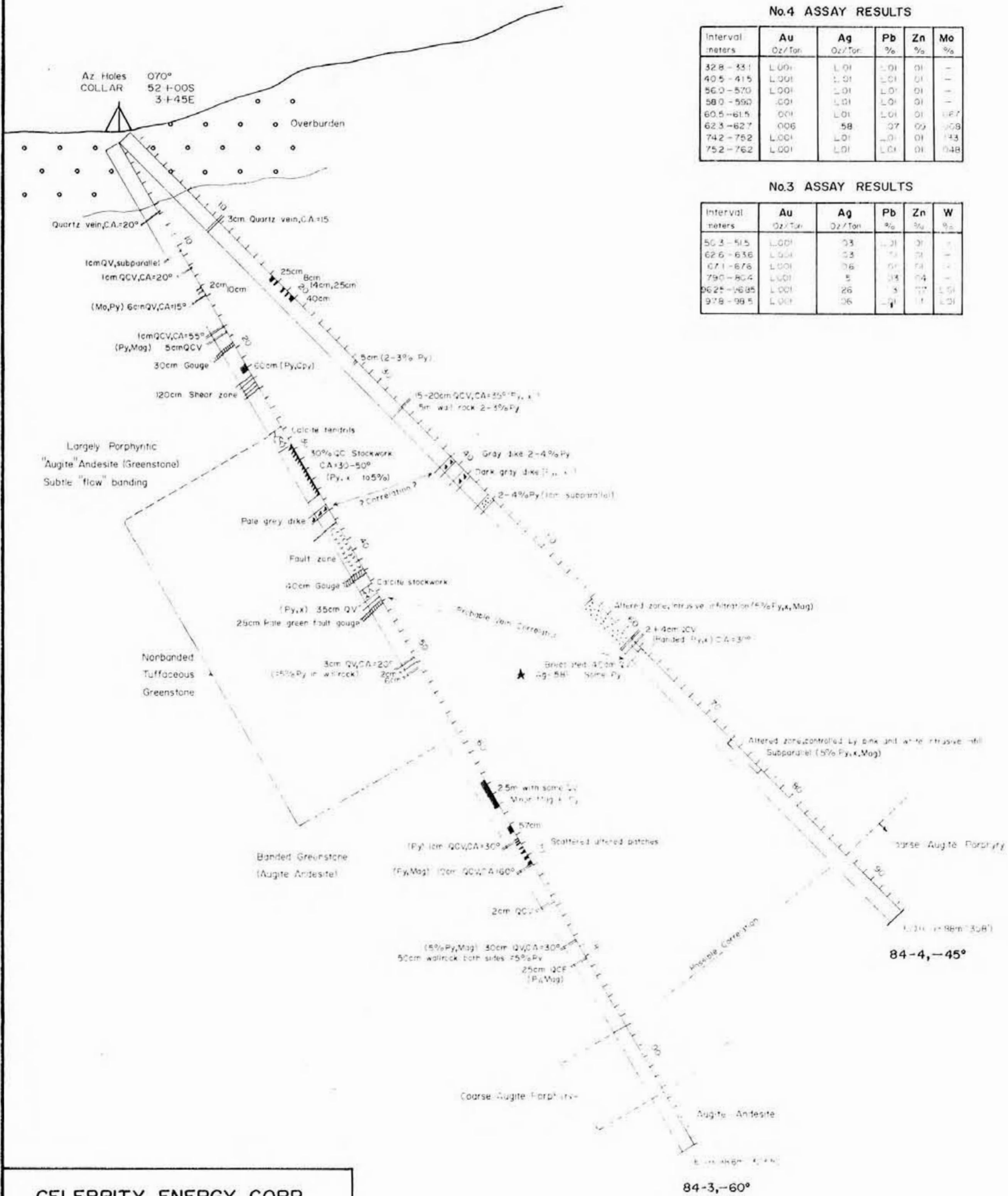


SCALE 1:250

FIG B3

# CELEBRITY DDHs 3+4

SECTION LOOKING NORTH



No.4 ASSAY RESULTS

Interval meters	Au Oz/Ton	Ag Oz/Ton	Pb %	Zn %	Mo %
32.8 - 33.1	L.O.D.	L.O.I.	L.O.I.	01	-
40.5 - 41.5	L.O.D.	L.O.I.	L.O.I.	01	-
56.0 - 57.0	L.O.D.	L.O.I.	L.O.I.	01	-
58.0 - 59.0	L.O.I.	L.O.I.	L.O.I.	01	-
60.5 - 61.5	001	L.O.I.	L.O.I.	01	0.67
62.3 - 62.7	006	58	07	02	0.09
74.2 - 75.2	L.O.D.	L.O.I.	L.O.I.	01	1.43
75.2 - 76.2	L.O.D.	L.O.I.	L.O.I.	01	0.48

No.3 ASSAY RESULTS

Interval meters	Au Oz/Ton	Ag Oz/Ton	Pb %	Zn %	W %
56.3 - 51.5	L.O.D.	03	L.O.I.	01	-
62.6 - 63.6	L.O.D.	03	01	01	-
67.1 - 67.6	L.O.D.	06	01	01	-
79.0 - 80.4	L.O.D.	5	03	04	-
96.25 - 96.85	L.O.D.	26	3	07	1.51
97.8 - 98.5	L.O.D.	06	L.O.I.	01	L.O.I.

CELEBRITY ENERGY CORP.

STUMP LAKE PROPERTY

SECTION OF DDH. 3+4

Q - Quartz vein  
 GCE - Quartz, Calcite, Epidote  
 Py - Pyrite  
 Mag - Magnetite  
 Mo - Molybdenum  
 x - Graphite  
 QCV - Quartz, Calcite vein  
 CA - Angle to core axis  
 Cpy - Chalcopyrite

GEOLOGY - R.A. WELLS  
 DWG. BY R.M. 13/07/84

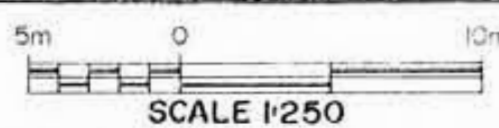


Fig B4

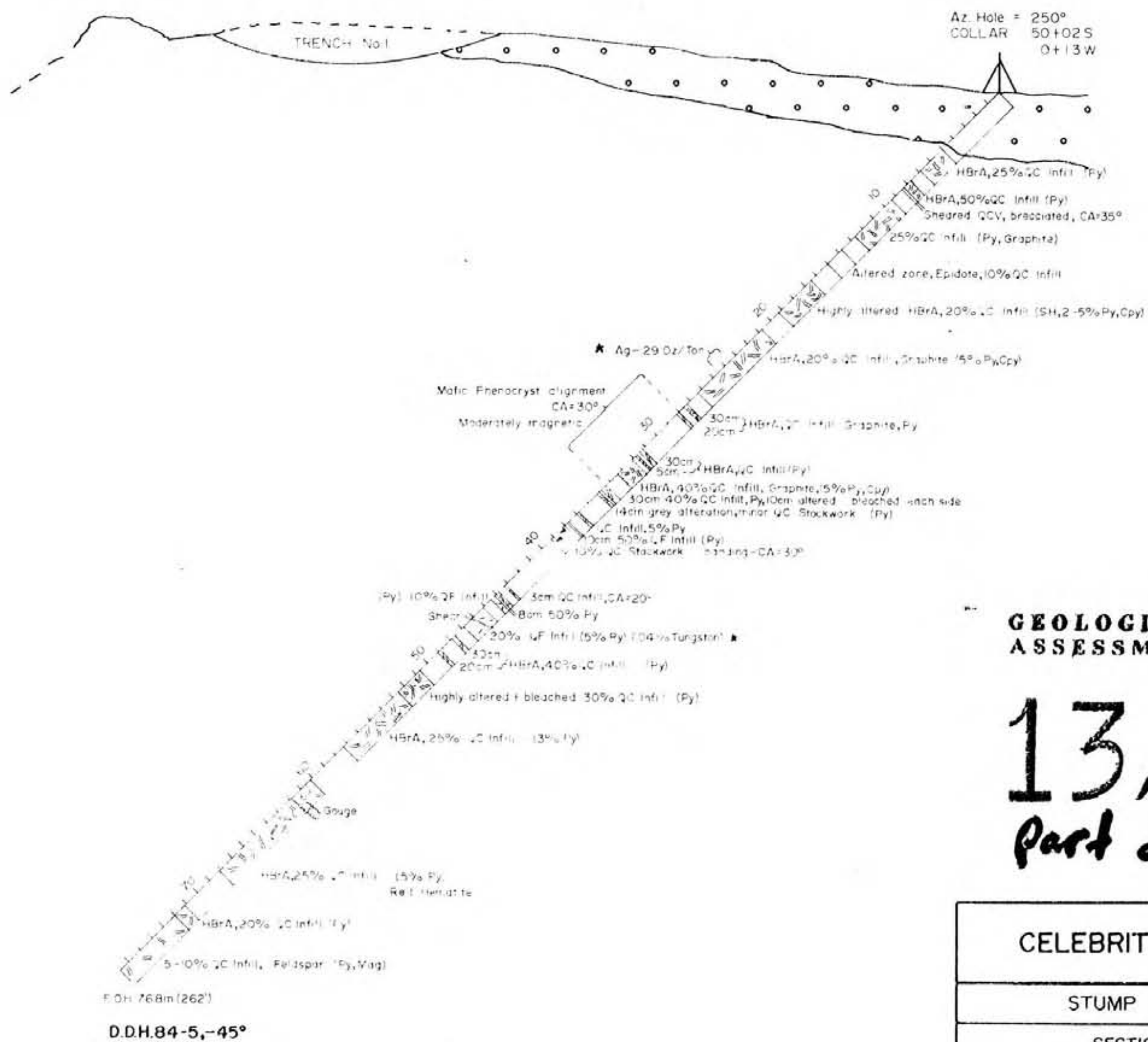
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Fig B4

# CELEBRITY D.DH 84-5

SECTION LOOKING NORTH



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CELEBRITY ENERGY CORP.

STUMP LAKE PROPERTY

SECTION OF DDH, 84-5

QF - Quartz Feldspar  
HBrA - Healed brecciated area  
Py - Pyrite  
Mag - Magnetite

QC - Quartz Calcite  
CA - Angle to core axis  
Cpy - Chalcopyrite  
SH - Specular Hematite

GEOLOGY KAWELLS

DWG BY RM 20/07/84

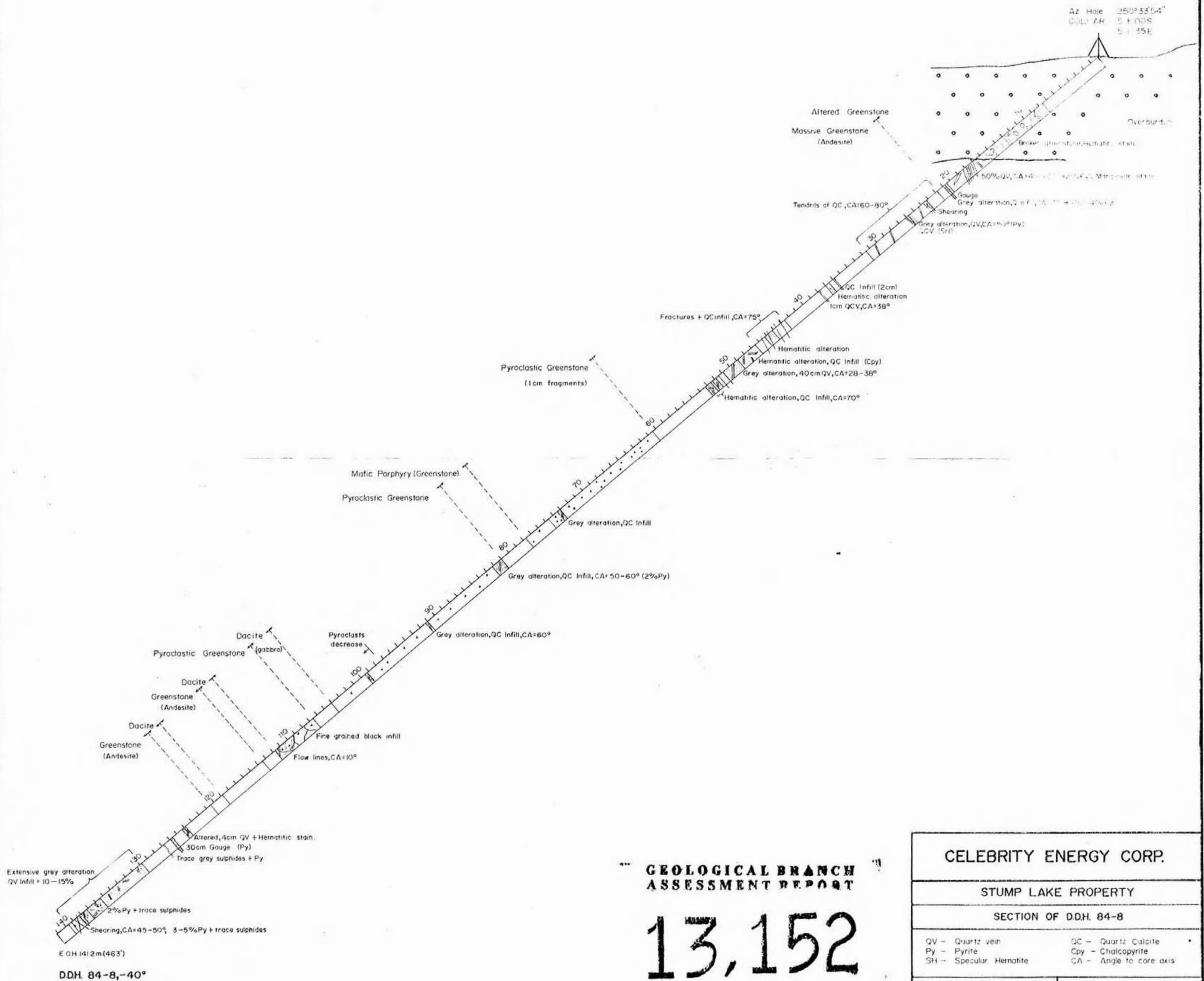


SCALE 1:250

Fig B5

# CELEBRITY DDH. 84-8

SECTION LOOKING NORTH



E OH 1412m (463')

DDH. 84-8, -40°

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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CELEBRITY ENERGY CORP.

STUMP LAKE PROPERTY

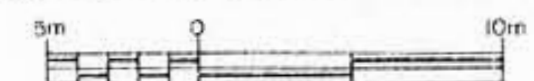
SECTION OF DDH. 84-8

QV - Quartz vein  
Py - Pyrite  
SH - Specular Hematite

QC - Quartz Calcite  
Cpy - Chalcopyrite  
CA - Angle to core axis

GEOLOGY - R.A. WELLS

DWG. BY R.M. 06/08/84



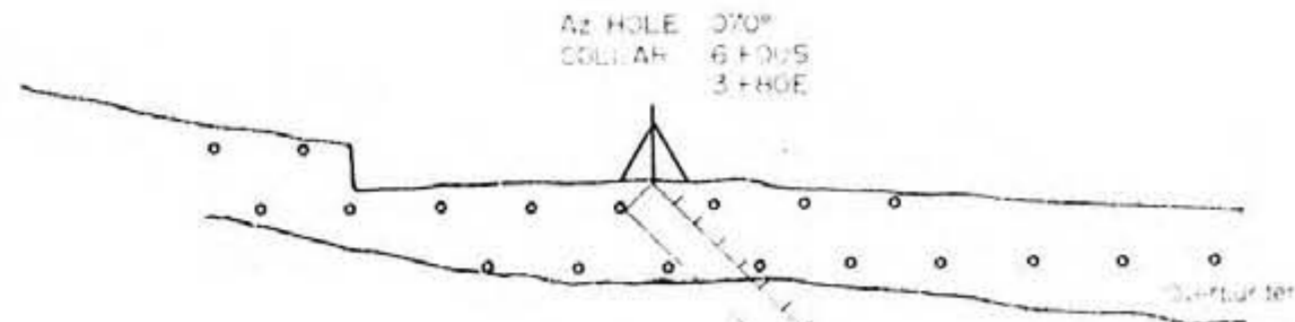
SCALE 1:250

Fig. B8



# CELEBRITY DDH. 84-6

SECTION LOOKING NORTH



(Py, Pb) Felspar porphyry, 5% QZ infill

Flow banding

Flow banding

Flow banding

(Py, Pb) Flow banding

Flow banding

Flow banding

(Mag) Dark green section

(Py) Bleached banded altered portion

Non-banded dark green

3cm Mafic phenocrysts

Py Highly altered porphyry

Shattered QV filled with Grey sulphides, Py

Highly altered porphyry, QV infill

Milky altered porphyry, 5% QV infill

20cm gouge with grey sulphides

2cm + 6cm QV each side, CA=35°

Greenstone (Andesite)

(Fine grain banding, CA=45-50°)

Mafic Porphyry

Mafic Porphyry

E.O.H. 75.9m (249')

DDH. 84-6, -45°

## No.6 ASSAY RESULTS

Interval Meters	Au Oz/ton	Ag Oz/ton	Pb %	Zn %	Cu %	W %
13.7 - 14.5	.004	.03	.04	.02	.01	
66.25 - 67.0	.002	.06	.03	.02	.01	
67.0 - 68.5	.002	.09	.02	.02	.01	
68.5 - 69.7	.00	.01	.01	.02	.01	
69.7 - 70.9	.022	2.10	.75	.66	.06	
70.9 - 71.9	.001	.01	.01	.01	.01	
73.0 - 74.6	.001	.01	.01	.01	.01	

CELEBRITY ENERGY CORP.

STUMP LAKE PROPERTY

SECTION OF DDH. 84-6

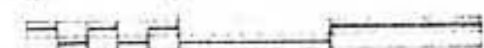
QV - Quartz vein  
Py - Pyrite  
Pb - Galena  
Mag - Magnetite

QC - Quartz Calcite  
Cpy - Chalcopyrite  
Tetra - Tetrahedrite  
CA - Angle to core axis

GEOLOGY - R.A. WELLS

SWG BY RM 2/3/78/84

0m 10m



SCALE 1:250

Fig. B6

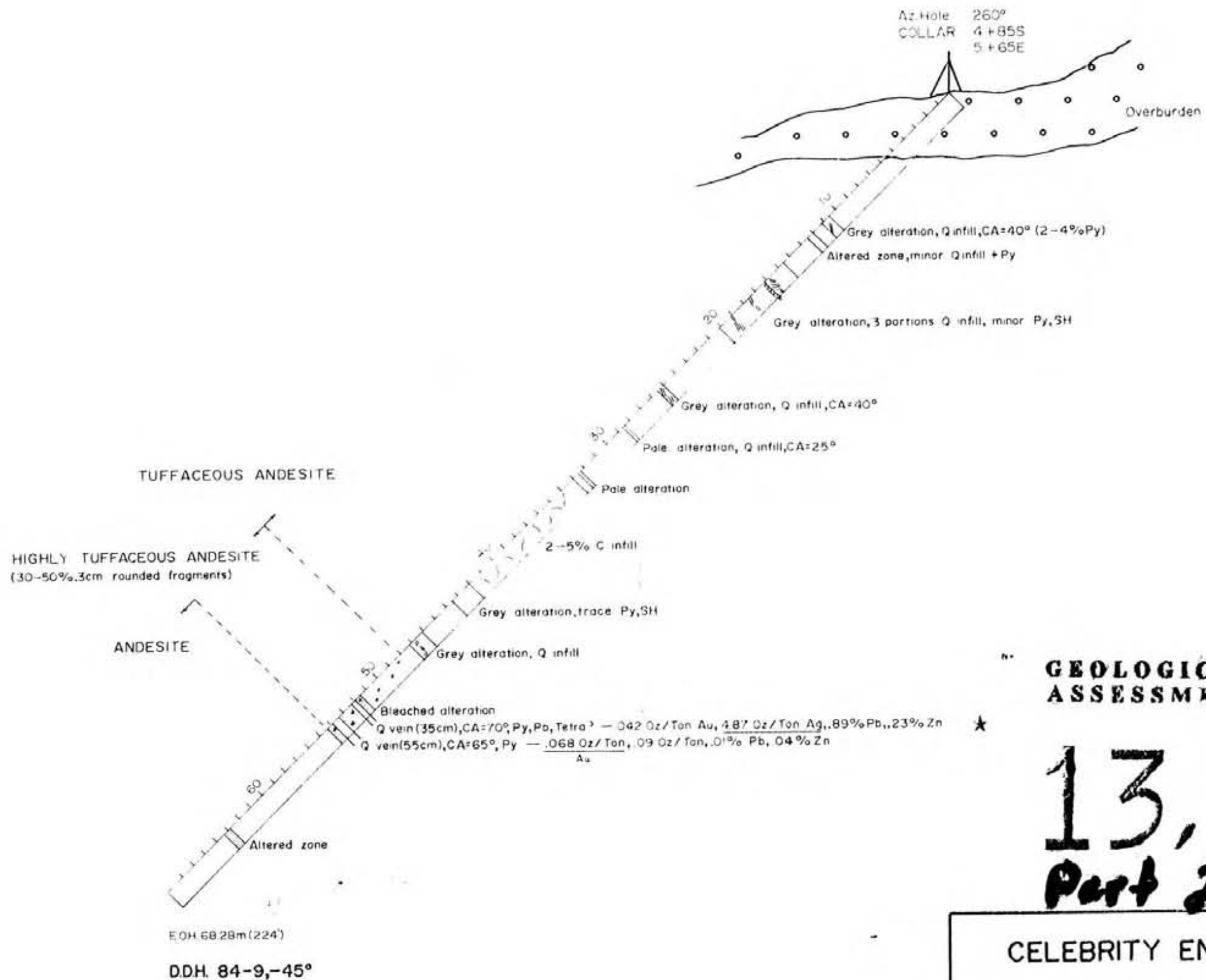
GEOLOGICAL BRANCH  
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Fig. B6

# CELEBRITY D.D.H. 84-9

SECTION LOOKING NORTH



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

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CELEBRITY ENERGY CORP.

STUMP LAKE PROPERTY

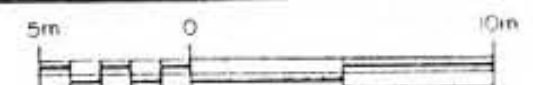
SECTION OF D.D.H. 84-9

Q - Quartz  
C - Calcite  
SH - Specular hematite  
CA - Angle to core axis

Py - Pyrite  
Pb - Galena  
Tetra - Tetrahedrite

GEOLOGY RAWELLS

DWG BY RM 20/08/84

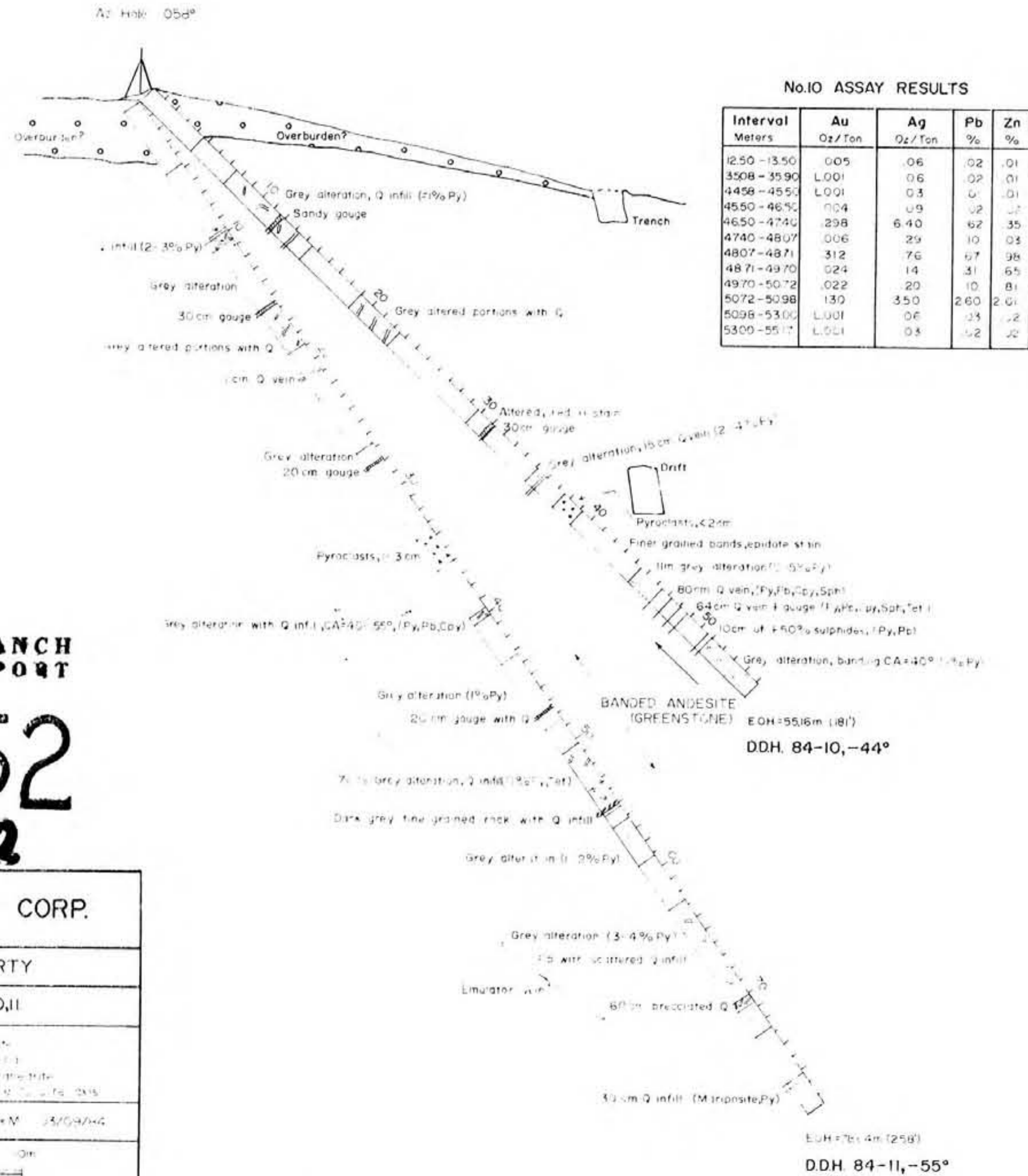


SCALE 1:250

Fig B9

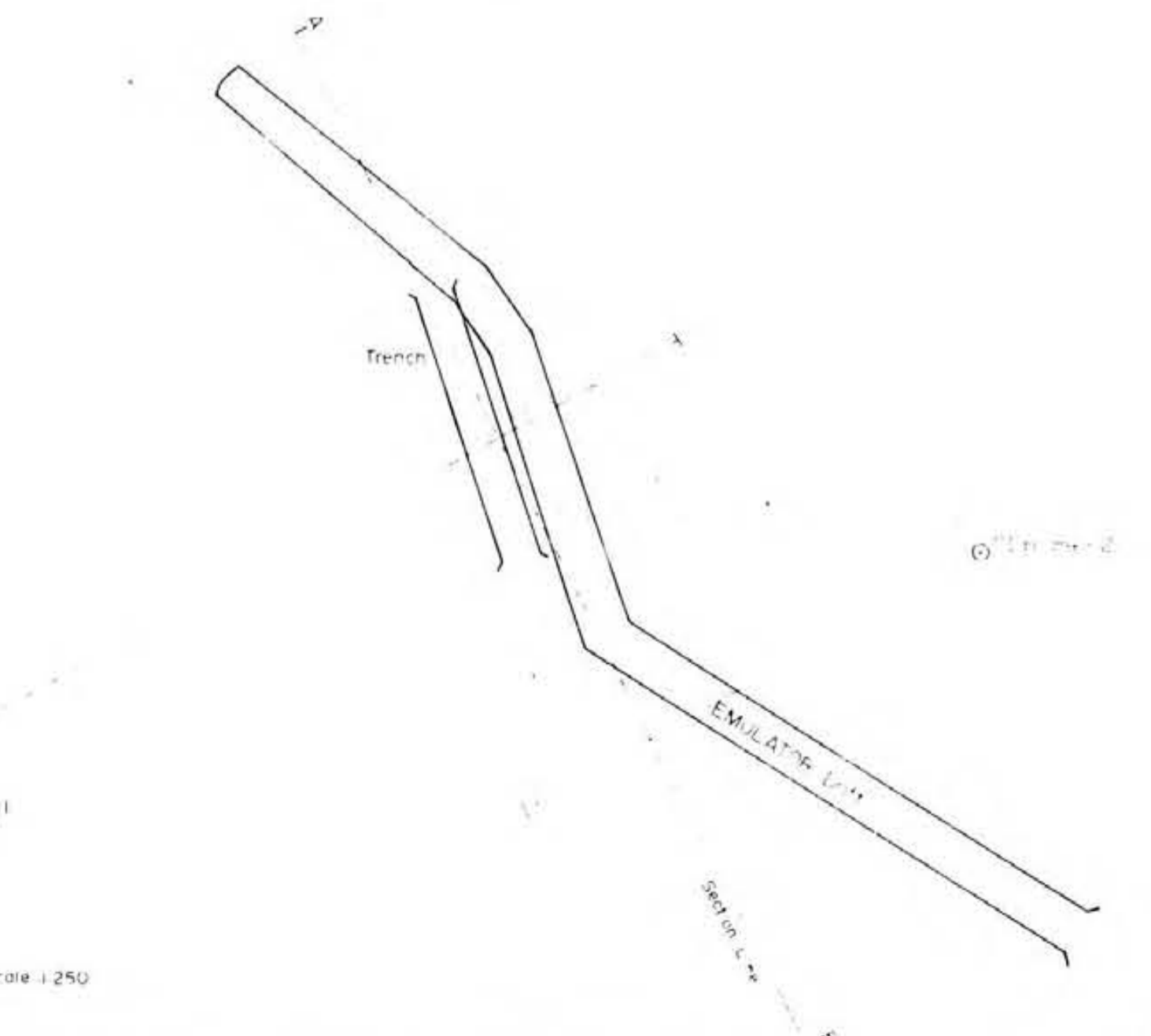
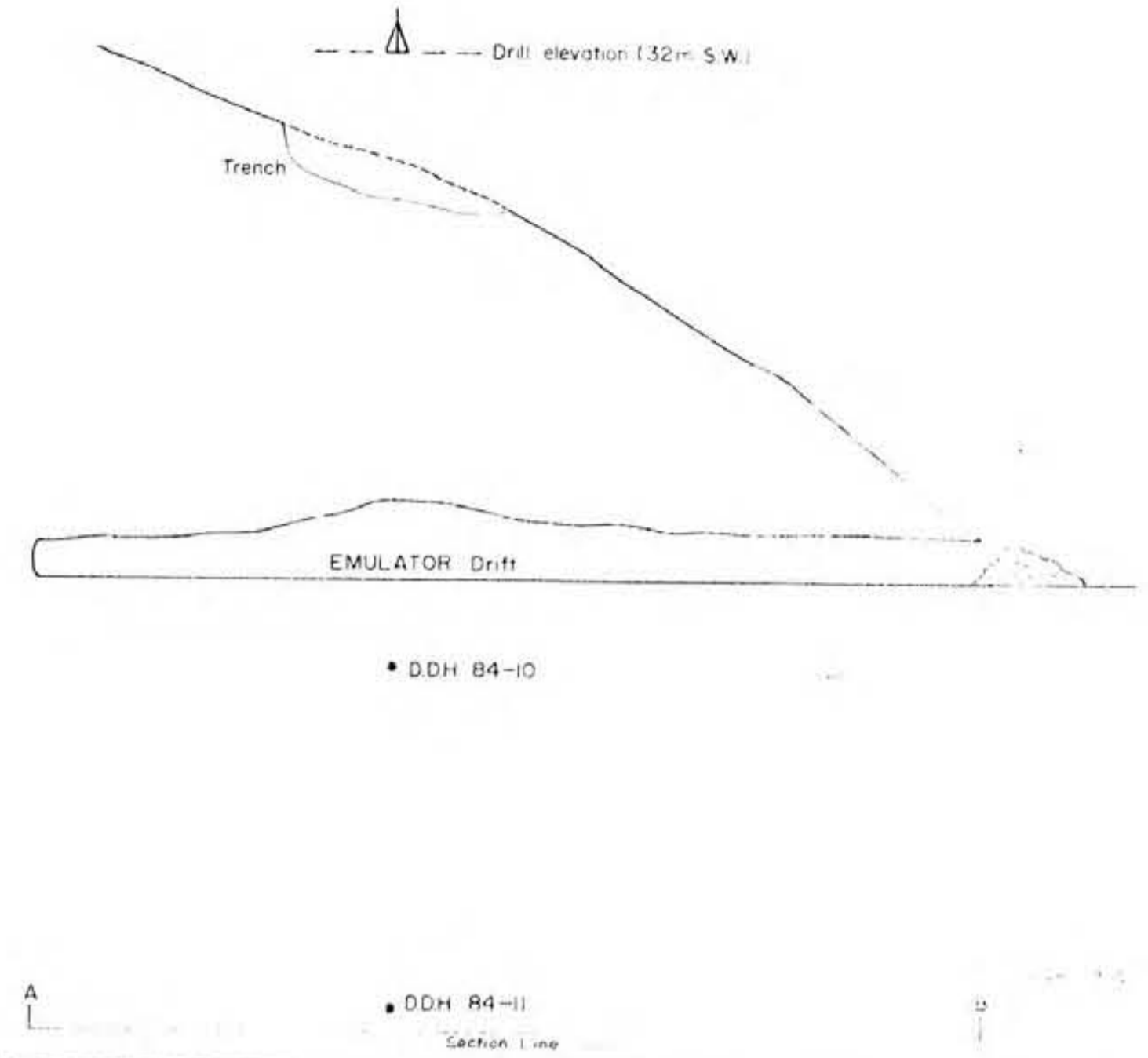
# CELEBRITY D.D.H.s 84-10+11

SECTION LOOKING NORTH



No.10 ASSAY RESULTS

Interval Meters	Au Oz/Ton	Ag Oz/Ton	Pb %	Zn %
12.50 - 13.50	0.05	0.6	0.2	0.1
35.08 - 35.90	L001	0.6	0.2	0.1
44.58 - 45.50	L001	0.3	0.1	0.1
45.50 - 46.50	0.04	0.9	0.2	0.2
46.50 - 47.40	298	6.40	6.2	3.5
47.40 - 48.07	0.06	2.9	1.0	0.3
48.07 - 48.71	3.12	7.6	6.7	9.8
48.71 - 49.70	0.24	1.4	3.1	6.5
49.70 - 50.72	0.22	2.0	1.0	8.1
50.72 - 50.98	1.30	3.50	2.60	2.01
50.98 - 53.00	L001	0.6	0.3	0.2
53.00 - 55.17	L001	0.3	0.2	0.2



GEOLOGICAL BRANCH ASSESSMENT REPORT

13,152  
Part 2 of 2

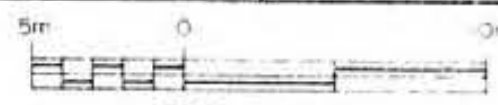
CELEBRITY ENERGY CORP.

STUMP LAKE PROPERTY

SECTION OF DDH. 84-10,11

Q - Quartz  
Cpy - Chalcopyrite  
H - Hematite  
Sph - Sphalerite  
Py - Pyrite  
Fl - Fluorite  
Tet - Tetrahedrite  
CA - Calcite

GEOLOGY RAWELLS DWS BY R.M. 13/09/04



SCALE 1:250

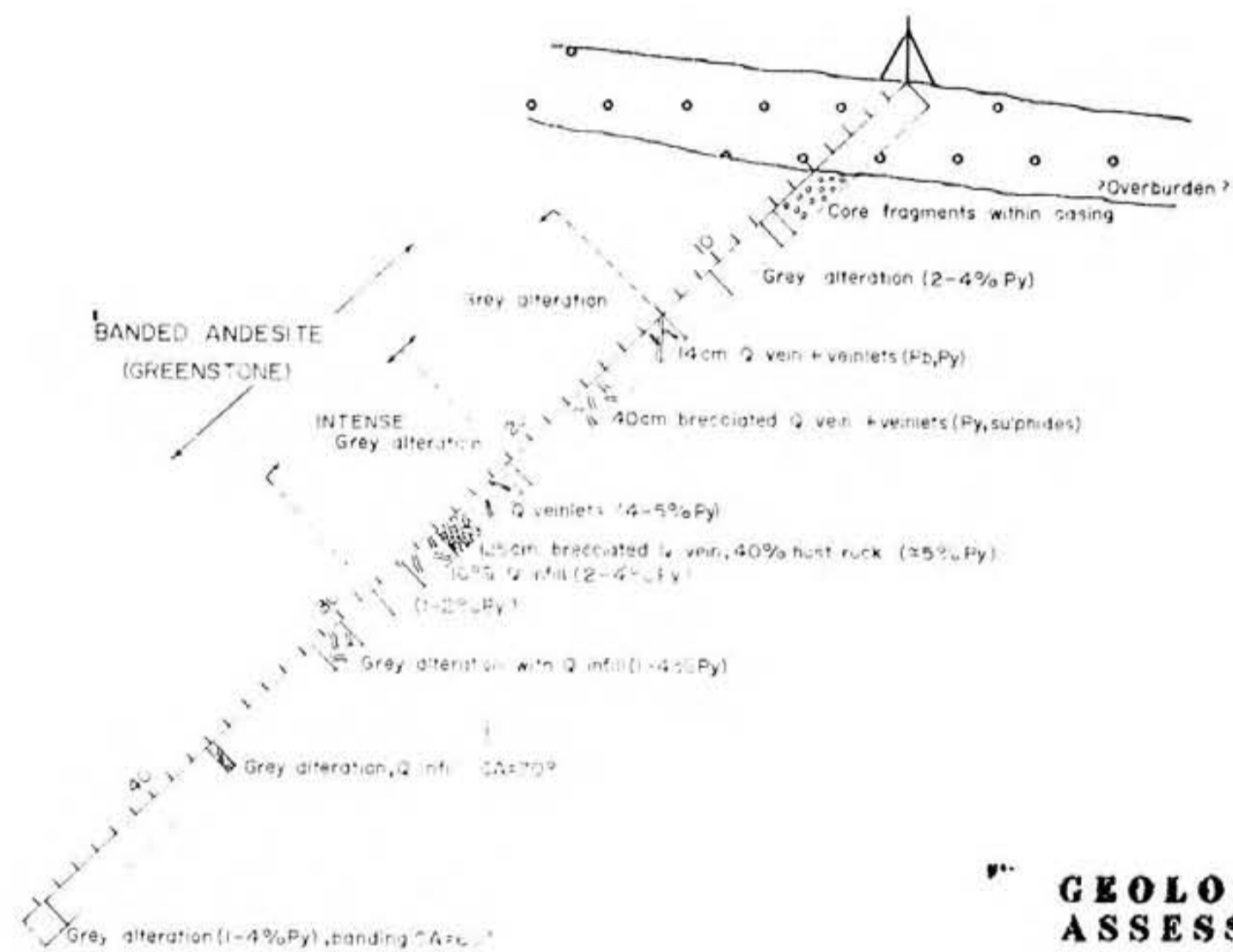
Fig B10

Fig B10



# CELEBRITY DDH. 84-12

SECTION LOOKING NORTH



EDH=4694m (154)

DDH. 84-12, -44°

## GEOLOGICAL BRANCH ASSESSMENT REPORT

# 13,152

*Part 2 of 2*

CELEBRITY ENERGY CORP.

STUMP LAKE PROPERTY

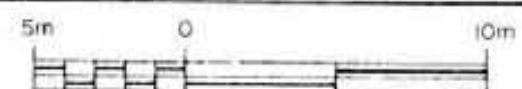
SECTION OF DDH. 84-12

Q - Quartz  
P - Galena

Py - Pyrite  
CA - Angle to core axis

GEOLOGY RAWELLS

DWG BY RM 19/09/84

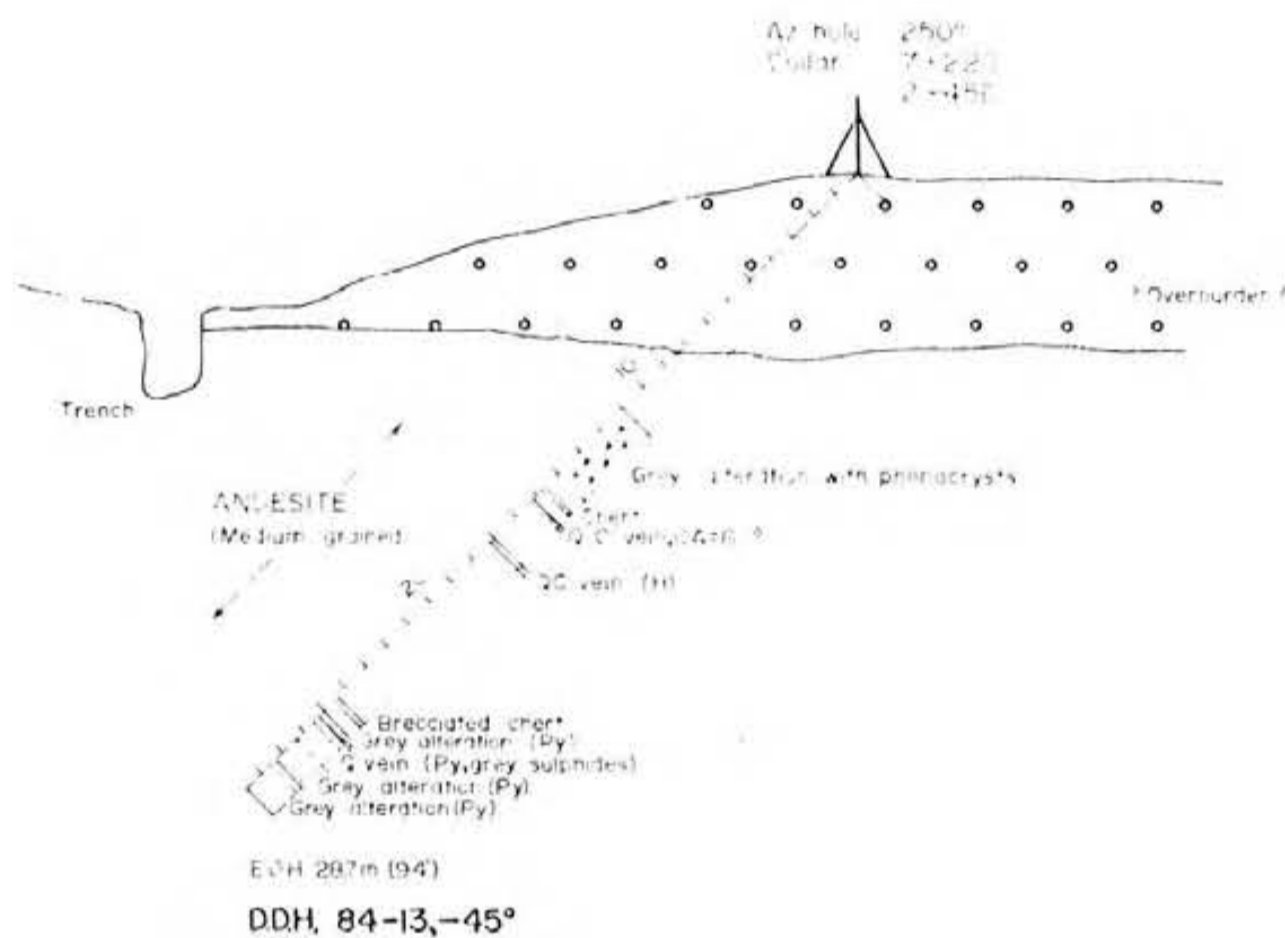


SCALE 1:250

Fig. B11

# CELEBRITY D.D.H. 84-13

SECTION LOOKING NORTH



GEOLOGICAL BRANCH  
ASSESSMENT REPORT

**13,152**  
**Part 2 of 2**

CELEBRITY ENERGY CORP.

STUMP LAKE PROPERTY

SECTION OF D.D.H. 84-13

Q - Quartz  
Py - Pyrite  
CA - Angle to core axis

QC - Quartz-carbonate  
H - Hematite

GEOLOGY P. HANNIGAN

DWG BY RM 09/84



SCALE 1:2500

FIG. B12