

REPORT ON PROSPECTING SURVEY OF  
WHITEDOME #1 MINERAL CLAIM

- ALBERNI MINING DIVISION
- NTS LOCATION 92L/2W
- LAT. 126 <sup>52.0'</sup>~~52.0'~~ W LONG. 50 07.3'
- OWNERS/OPERATORS RON BILQUIST  
LES ALLEN

FILMED

AUTHOR RON BILQUIST

MARCH 1986

**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**14,508**

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WHITE DOME  
CLAIM

INDEX MAP



R.J.B 1986

Introduction: This report concerns the prospecting survey carried out on the Whitedome #1 mineral claim, record number 2527. This claim is situated near the headwaters of the Artlish River, 16 kilometers north of Zeballos. The claims lie within the 1 : 50000 map sheet 92L/2W. Access to the claim is by road, a distance of 26 kilometers from Zeballos.

The Whitedome #1 claim consists of one 20 unit claim located by Ron Bilquist on the 18th and 19th of February, 1985. The current owners/operators are Ron Bilquist and Les Allen. Falconbridge Ltd. owns old two post claims (Hiller Claims) within the Whitedome boundaries. Prospecting of the Whitedome claim was limited to that ground owned by Allen and Bilquist. The two post claims owned by Falconbridge Ltd. have been misplotted on the government claims maps since they were staked in the early 1960's and as yet have not been corrected.

The majority of the claim area owned by Allen and Bilquist was loosely prospected to determine its merit. A number of grab samples ( 26 ) were taken from various locations to assist in determining geology, geologic trends, as well as the economic potential.

This area was mapped for the GSC by J.E. Muller during 1968 and 1969, map 4-74, which accompanies Paper 74-8 by J.E. Muller, K.E. Northcote and D. Carlisle. Some other companies and individuals active in the area include Falconbridge Ltd. (Hiller Claims), Esperanza Exploration Ltd. (Whitedome Claim) and Dave Murphy (Valentine Claims). The results of work carried out by



these people is what spurred the present owners to become active in the area.

Prospectors Report (Technical Data and Interpretation):

Purpose - The claims were originally staked to cover areas of interest previously outlined by other companies and individuals working in the area. The regional geology (Muller, 1974) also appeared favorable for skarn-type deposits. The owners interest was to assess and extend known mineral occurrences if possible, prospect and locate new showings and, finally, determine the local geology. Dips and strikes were taken wherever possible.

Results and Interpretation - When it was discovered that Falconbridge Ltd. owned the key ground within the claim the owners had to redirect their efforts and restrict the work to only that ground legally owned by them. The prospecting of that portion of the claim did come up with some positive information.

The overall geological picture the prospectors saw was one not dissimilar to that portrayed by Muller. Two distinct and mapable rock units were noted within the claim boundary. The first rock type is a massive grey limestone, likely the Quatsino Formation. The second rock unit consists of calcareous siltstones, shales and sedimentary breccias, likely the Parson Bay Formation. Some fossils which appear to be bivalve molluscs were found in the latter rock type. The contact between the two rock types cuts the northeast corner of the claim with the limestone being on the northeast.

Basic dykes were also seen in a few locations on the claims. The only <sup>two</sup> the dykes had in common was that they generally had a vertical or near vertical dip. Two of the dykes had sheared quartz

3.

along the wall rock.

Near the north central portion of the claims a few outcrops of an intensely fractured graphitic shale occur. Calcite stringers, normally common in the sediments, are replaced by quartz. Pyrite and traces of chalcopyrite were observed here.

In another location two samples of almost massive sulphides consisting mainly of pyrite and chalcopyrite were found in float in a stream bed. The sample numbers are W-11 and W-15 and their location is the central western area of the claims. This float was found near the Hiller Claim boundary and likely came from within these same claims.

Conclusions and Recommendations - Although the prospecting survey was severely hampered by the discovery of the old misplotted 2-post claims (Hiller Claims) within the Whitedome #1 boundary, enough time was spent on the claims to determine the worth of the remaining ground.

The northeast corner of the claims requires little or no further work as it is mainly limestone displaying no alteration except where the occasional dyke cuts it.

The northern central portion of the claims, where the graphitic shales were located, seems to be the area with the most potential. The rock is a highly fractured graphitic shale which is occasionally silicified. Calcite stringers have been replaced by quartz here and both pyrite and chalcopyrite were seen. It is recommended that further work be carried out in this area. The work should consist of a small tight grid for control followed by more prospecting and geological mapping. Soil geochemistry would be another useful tool as well as hand trenching in specific locations.

The western portin<sup>o</sup><sub>^</sub> of the claims was for the most part ignored this time around due to extreme terrane coupled with active logging. It is recommended that a few prospecting traverses are done in this area when conditions permit.

Respectfully submitted,

*Ron Bilquist*

Ron Bilquist

Prospector

CONSECUTIVE LISTING

Year (19)85

Project WHITEDOME #1

5. Tick or Blank

SAMPLE NUMBER (# letters & digits)	DATE (Month Day)	DATE	TYPE	REGION	CLAIM NAME AND NUMBER	COMMENTS Maximum 48 Characters Including Spaces	5.			
							CLAIM BLOCK	Flagged in Field?	Analyzed or sent for?	Witness Sample?
W-01	09-21	RB	RK GRAB		WHITEDOME #1	ANDESITE DYKE ; PY	✓	✓		
02	↓	↓	FLAT			DYKE; ANDESITE - ODD RED MIN.	✓	✓		
03	↓	↓	RK GRAB			ANDESITE DYKE; PY	✓	✓		
04	↓	↓				" " "	✓	✓		
05	↓	↓				QUARTZ	✓	✓		
06	09-21	↓				LIMEY SED. BRECCIA.	✓	✓		
07	09-22	↓				GREEN SILT STONE ?	✓	✓		
08	↓	↓				BLACK SILT STONE, PY, FOSSIL (CLAM)	✓	✓		
09	↓	↓				BLUE SED. PY; QTZ-STRINGERS	✓	✓		
10	09-22	↓	RK GRAB			FRACTURED GRAPHITIC SHALE; PY, CU	✓	✓		
11	09-23	RB	FLAT			MASSIVE PY, QTZ STRINGERS, TR. CU	✓	✓		
12	09-21	LA	RK GRAB			ANDESITE DYKE; PY	✓	✓		
13	09-21	↓	RK GRAB			QTZ-IN SHEARED SED.	✓	✓		
14	09-22	↓	FLAT			SILICEOUS SED.	✓	✓		
15	09-22	LA	FLAT			MASSIVE SULPHIDES; PY, CU?	✓	✓		
16	07-18	RB	RK GRAB			DYKE ROCK (BASAL ?)	✓	✓		
17	07-18	RB	FLAT			BASAL VOLCANIC FLOAT, PY	✓	✓		
18	07-18	RB	RK GRAB			ACIDIC DYKE ROCK	✓	✓		
19	09-21	LA	RK GRAB			ANDESITE DYKE	✓	✓		
W-20	09-21	LA	RK GRAB		WHITEDOME #1	GREED SEDIMENT	✓	✓		

ROCK SAMPLES

COPY 1 WHITE: To Office (project files)

COPY 2 YELLOW: To Office (data entry)

COPY 3 PINK: Field





STATEMENT OF QUALIFICATIONS

F.J. Bilquist

March 1986

1. I have worked in the mining exploration business for a period of 17 years employed by:
  - a. Stokes Exploration Management Company from 1969 to 1975 as a field technician, party chief and prospector;
  - b. D.G. Leighton and Associates Ltd. from 1975 to 1981 as prospector;
  - c. Minequest Exploration Associates Ltd. during 1982 and 1983 as prospector.
2. I have been mainly self employed as a prospector during 1984 and 1985.
3. I have written an exam to qualify for the prospectors assistance grants. The exam took place at the Department of Mines and Petroleum Resources office in Nanaimo, 1975, and was supervised by W.C. Robinson, P. Eng.

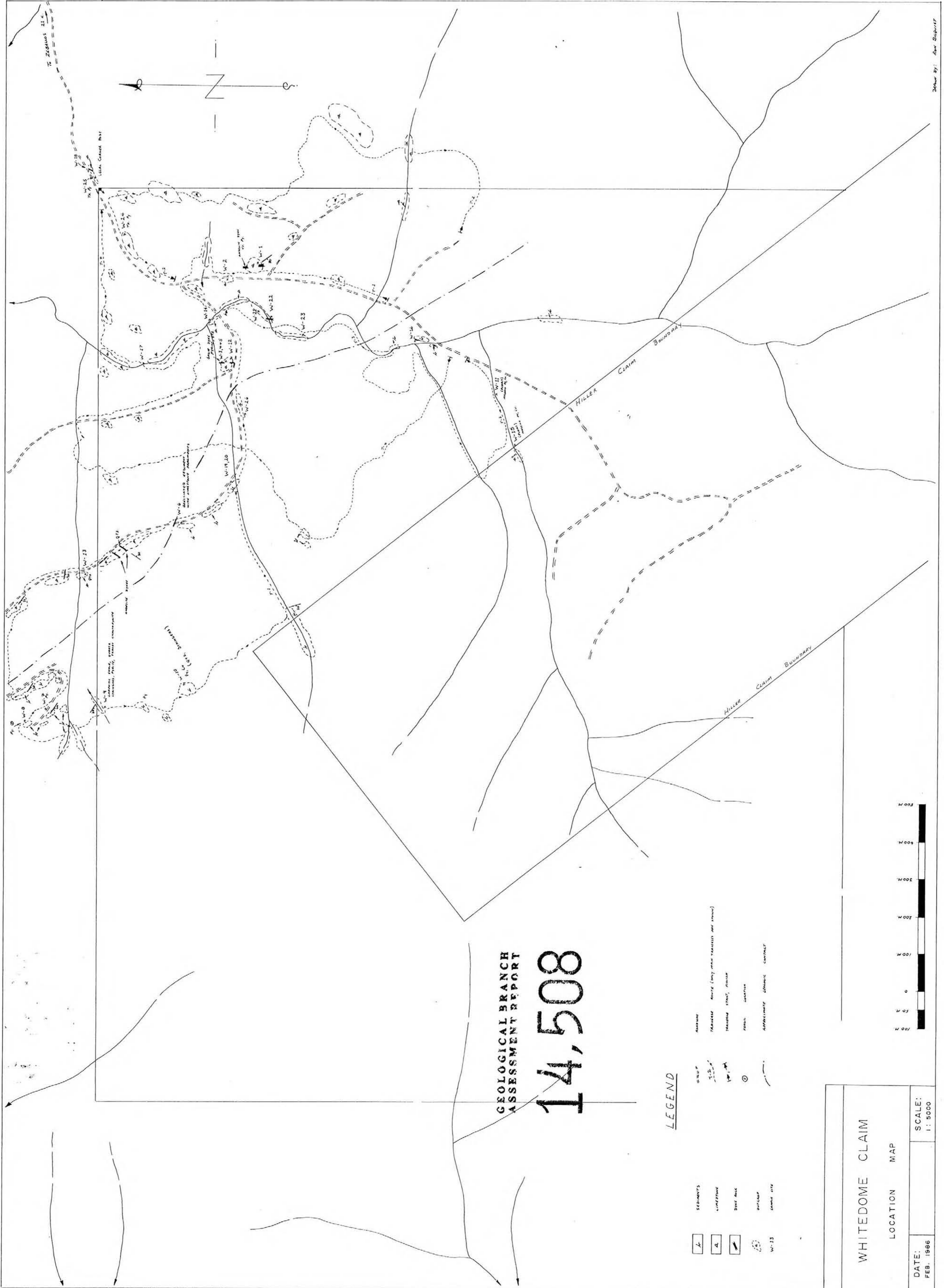
I, Ronald John Bilquist, prospector, hereby certify that the above is a true representation of my experience as a prospector, and submit the above as my statement of qualifications to the Department of Mines and Petroleum Resources of British Columbia.



Ron Bilquist

Prospector





GEOLOGICAL BRANCH  
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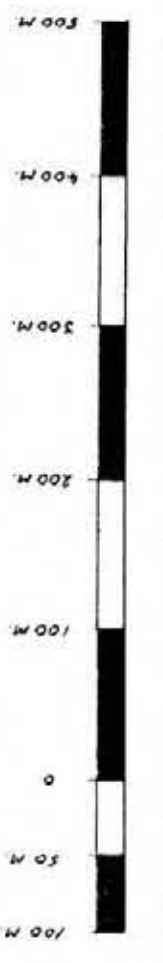
LEGEND

- |  |                        |  |                        |
|--|------------------------|--|------------------------|
|  | SECONDARY              |  | LIMESTONE              |
|  | DIKE ROCK              |  | SAMPLE SITE            |
|  | FAULT                  |  | APPROXIMATE CONTOUR    |
|  | HILLIER CLAIM BOUNDARY |  | SECONDARY              |
|  | LIMESTONE              |  | SAMPLE SITE            |
|  | DIKE ROCK              |  | APPROXIMATE CONTOUR    |
|  | FAULT                  |  | HILLIER CLAIM BOUNDARY |
|  | APPROXIMATE CONTOUR    |  | SECONDARY              |

WHITEDOME CLAIM

LOCATION MAP

DATE: FEB. 1986  
SCALE: 1:5000



Drawn by: Ann Soper