BREAKDOWN OF COSTS - DIAMOND DRILL
HOLE NO. 1 - M-21 GROUP OF MINERAL
CLAIMS, TEXADA ISLAND, B. C.
JUNE 2 to 5, 1975
MARBLE BAY FRACTION #2

LABOUR COSTS

Field Superintendent, J. A. Stewart, and Chief Driller, 3 days @ $80.00/day	240.00	
Driller, Leo Ouellette 28-1/2 hrs @ $7.36/hr.	209.76	
Driller Helper, David Lyons 28-1/2 hrs. @ $7.36/hr.	209.76	
Bushmen: Clearing and moving drill equipment to new site		
David Murphy, 9-1/2 hrs @ $5.60/hr.	53.20	
George Beyko, 5-1/2 hrs.@ $5.60/hr.	30.80	
J. White, 12 hrs. @ $5.60/hr.	53.27	
		$ 796.79

FOOD AND ACCOMODATION

15 man days @ $15.00/day	225.00

MATERIALS AND SUPPLIES

Bits used and additional supplies	397.30
Drill Equipment Costs, $50.00/day, 3 days	150.00

GROUND TRANSPORTATION

3 days - 3/4 ton GMC truck 1 ton IHC 4 x 4 truck $50.00 per day	150.00

TOTAL $1,719.09

STATEMENT OF QUALIFICATIONS

1. I, K. Warren Geiger, an a consulting geologist with head office at: 12225 - 105 Avenue, Edmonton, Alberta, and reside at Box 368, Rocky Mountain House, Alberta.

2. I have a B.Sc., in Mining Engineering from the University of Alberta at Edmonton and M.S. and Ph.D., degrees in Geology from Cornell University, Ithaca, New York.

3. I am a Professional Geologist registered with the Association of Professional Engineers, Geologists and Geophysicists of Alberta.

4. I am a Professional Engineer registered by non-resident license with the Association of Professional Engineers of the Province of British Columbia.

5. I possess nineteen years of experience in the fields of mineral exploration, mining and groundwater geology.

Within the scope of this submission, all information and conclusions are believed to be accurate.

July 10, 1975.

K. Warren Geiger

K. Warren Geiger, Ph.D., P.Eng., P.Geol.
Consulting Geologist
122225 - 105 Avenue,
Edmonton, Alberta.

DIAMOND DRILL RECORD

CLAIM NO. Marble Bay Fraction #2 PROPERTY M-21 HOLE NO. 1

LATITUDE ELEVATION BEARING 050° DEPTH STARTED June 2, 1975 COMPLETED June 5, 1975

DEPARTURE SECTION DIP -45° DRILLED BY J, A. Stewart Leo Quellette LOGGED BY K. W. Geiger

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS			
0' -34.0'	Overburden								
34.0'-36.0'	Dike - Serpentine								
36.0'-38.0'	Limestone - Altered to light gray or white with mottled color-								
	ation, probably incipient alteration.								
38.0'-40.3'	Limestone - Light gray to medium gray. Very fine black bands								
	present through most of the section.								
49.3'-50.3'	Limestone - Light gray, highly fractured with crenulated black								
	bands (carbon?). Some very fine metallics (gold?)						- -		
50.3'-55.0'	Marble - White to very light gray. Greenish mineral (possibly								
	malachite) smeared along a few fractures.								
55.0'-56.6'	Limestone - Mottled light gray to white, highly fractured with								
	crenulated black to greenish bands.								
56.6'-58.8'	Limestone - Altered to marble.								
58.8'-62.9'	Limestone - Medium gray - much very fine black banding, some								
	very fine metallics (some gold?).								
62.9'-68.0'	Limestone - Mottled, light gray.								
68.0'-69.0'	Limestone - Mottled, light gray - fractured.								
69.0'-69.2'	Dike - Serpentine								
69.2'-70.2'	Limestone - Marble - Fractured with concentrations of black bands								

K.W.G.

CLAIM NO. Marble Bay Fraction #2

DIAMOND DRILL RECORD

PROPERTY M-21 HOLE NO. 1

LATITUDE ..... ELEVATION ..... BEARING 050° DEPTH ..... STARTED June 2, 1975 COMPLETED June 5, 1975

DEPARTURE ..... SECTION ..... DIP -45° DRILLED BY J. A. Stewart, Leo Ouellette LOGGED BY K. W. Geiger

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
70.2'-71.6'	Limestone - White to very light gray marble.					
71.6'-76.4'	Limestone - Light gray - mottled.					
76.4'-82.0'	Limestone - Medium gray - very fine black banding. Very fine metallics here and there throughout.					
82.0'-90.5'	Limestone - Light gray - Generally alternating bleached sections irregular and mottled banded sections, with fractured sections. Minor very fine metallics usually with banding.					
90.5' - 102.0'	Limestone - Medium gray - generally finely banded throughout Some minor fracturing and recrystallization - carbonaceous looking material with interesting metallics along fractures.					
102.0' - 103.6'	Limestone - Mottled light gray to white.					
103.6' - 114.3'	Dike - Andesite - Some skarn mineralization near both contacts. Some shattering with development of epidote and chlorite. Pyrite common in bands throughout.					
114.3' - 115.8'	Limestone - Light gray mottled to white.					
115.8' - 116.8'	Limestone - Medium gray - fractured with black material (carbon?) along fractures.					
116.8' - 119.4'	Limestone - Medium gray - fine black banding throughout. Minor metallics seen.					

K.W.G.

CLAIM NO. Marble Bay Fraction #2

DIAMOND DRILL RECORD

PROPERTY M-21 HOLE NO. 1

LATITUDE ..... ELEVATION ..... BEARING 050° DEPTH ..... STARTED June 2, 1975 COMPLETED June 5, 1975

DEPARTURE ..... SECTION ..... DIP -45° DRILLED BY J. A. Stewart, Leo Ouellette LOGGED BY K. W. Geiger

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
119.4' - 123.8'	Limestone - Medium gray to light gray to white in zones. Generally mottled appearance.					
123.8' - 124.8'	Limestone - Bleached to white - some fracturing with black material and minor metallics.					
124.8' - 125.2'	Dike - Serpentine- Shattered and much epidote.					
125.2' - 137.0'	Limestone - Medium gray - generally banded but banding mottled in appearance. Some segments bleached nearly white. Minor metallics here and there. Slight shattering and offset of earlier bands in many places.					
137.6' - 143.3'	Limestone - Bleached to white or very whitish-gray.					
143.3' - 150.4'	Limestone - Light gray to bleached - Generally bleached appearance throughout. Remnant banding somewhat shattered. Some minor metallics.					
150.4' - 159.1'	Limestone - Medium gray. Mottled banding and minor shattering.					
159.1' - 160.7'	Dike - Green Andesite - Somewhat serpentenized.					
160.7' - 162.3'	Limestone - Medium gray. Various banding and shattering.					
162.3' - 166.5'	Limestone - Bleached white to very light gray. Metallics along some bands - Serpentine-like alteration along a few fractures.					
166.5' - 174.0'	Limestone - Medium gray - Granulated appearance apparently shattered, ground and rehealed (Marble).					

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DIAMOND DRILL RECORD

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LATITUDE ..... ELEVATION ..... BEARING 050° DEPTH ..... STARTED June 2, 1975 COMPLETED June 5, 1975

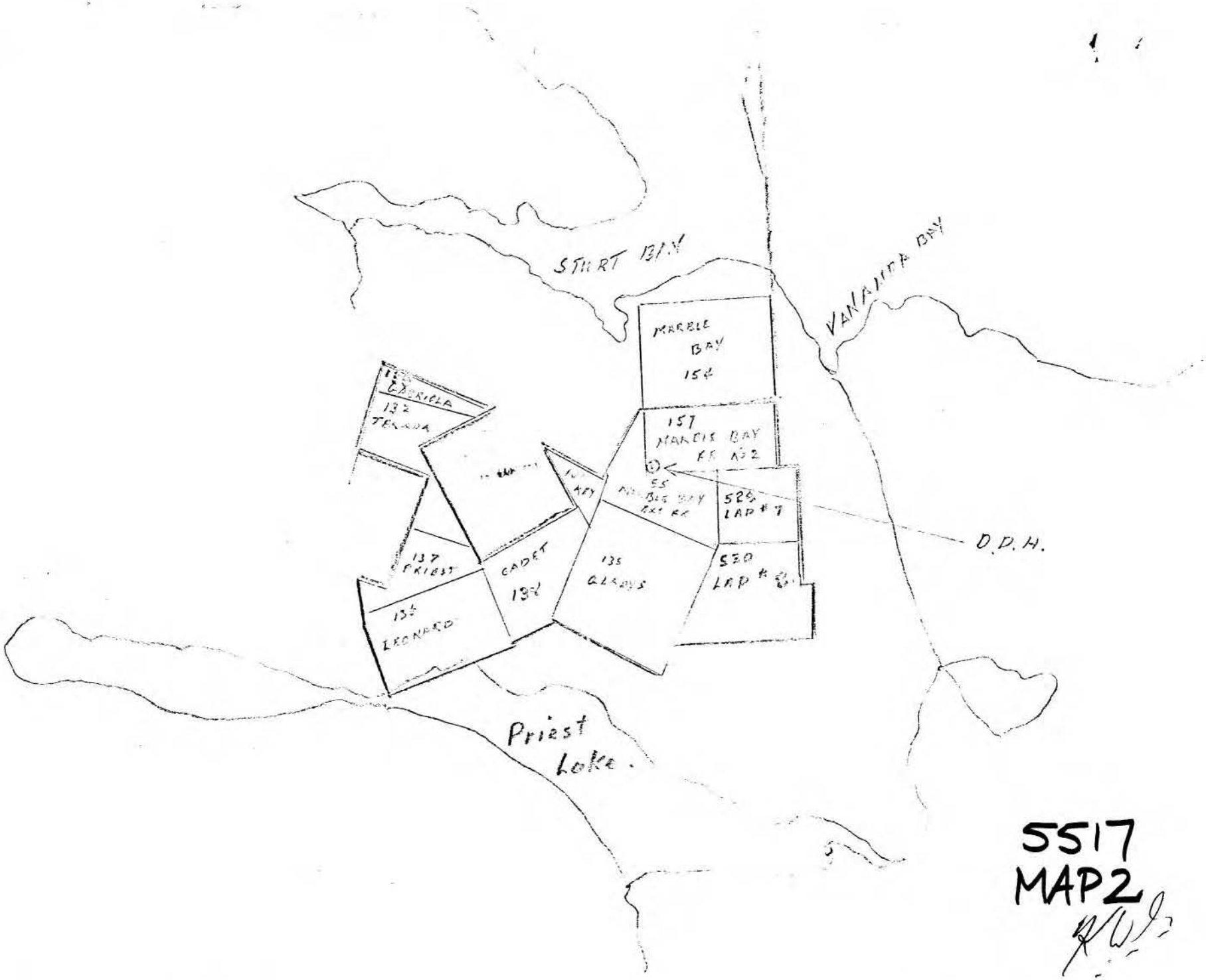
DEPARTURE ..... SECTION ..... DIP -45° DRILLED BY J. A. Stewart and Leo Ouilette LOGGED BY K. W. Geiger

DEPTH FEET	FORMATION	SAMPLE NO.	FROM	TO	WIDTH	ASSAYS
174.0' - 178.0'	Limestone - Medium Gray - Banding, some bleaching and mottling.					
178.0' 186.0'	Limestone - White - some light gray - granulated (serpentine-					
	like). Fractured with green alteration along contorted and					
	irregular fractures, best developed between 183' and 184'					
	(really marble).					
186.0' - 195.9'	Limestone - Light to medium gray - granulated rehealed (Marble).					
195.9' - 280.8'	Limestone - Light to medium gray, bleached white in some					
	sections. Generally appears sheared, fractured, and rehealed					
	and largely changed to marble with the granulated appearance and					
	overall mottled effect. More recent fracturing with irregular					
	dark bands are present here and there. Bleached section with					
	green serpentine-like alteration along fractures between:					
	219.5'-221.5'; 225.0'-226.5'; 228.5'-230.5'; 232.2'-235.8';					
	237.6'-238.6'; 260.8'-267.8'; 272.1-276.6'					
	Note: Size of core = AQ (Wireline)					
	Core stored at camp of Longbar Minerals Ltd.,					
	on Texada Island.					

K.W.G.

Location, M-21 Group
(from map 92F/15E)

5517
MAP 1



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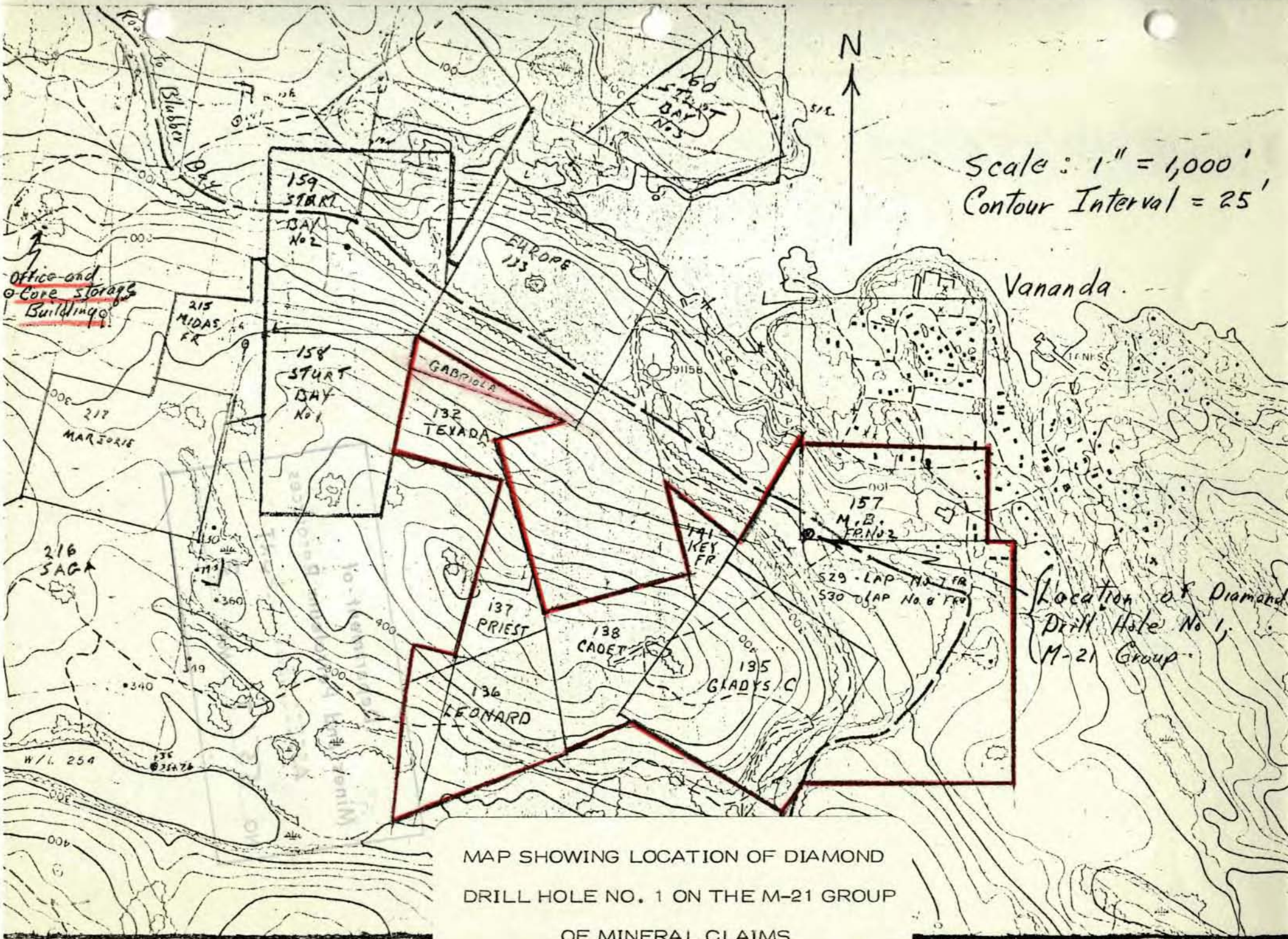
MAP 2

Location, M-21 Group,
Texada Island, B. C.

Scale 1" = 1,500'



MAP SHOWING LOCATION OF DIAMOND DRILL HOLE NO. 1 ON THE M-21 GROUP OF MINERAL CLAIMS

5517 MAP 3