

5/86

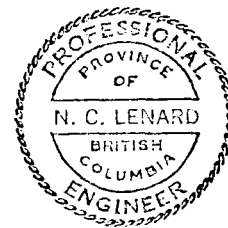
GEOLOGICAL EVALUATION
of
BOND 2-7 CLAIMS, KELOWNA, B.C.

50°00'33"N; 119°33'30"W: NTS 82L/4E
BEAR CREEK: 14Km NNW of Kelowna
Vernon Mining Div., British Columbia
by

N.C. Lenard, P.Geol., P.Eng.
Consulting Geologist, Westbank, B.C.
May 15, 1985

Field Work Done: Sept. 29, 1984; April 16,
May 13, 1985

Owner: N.C. Lenard



Ex. Date Dec. 31/1985

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

13,704

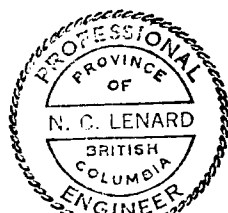
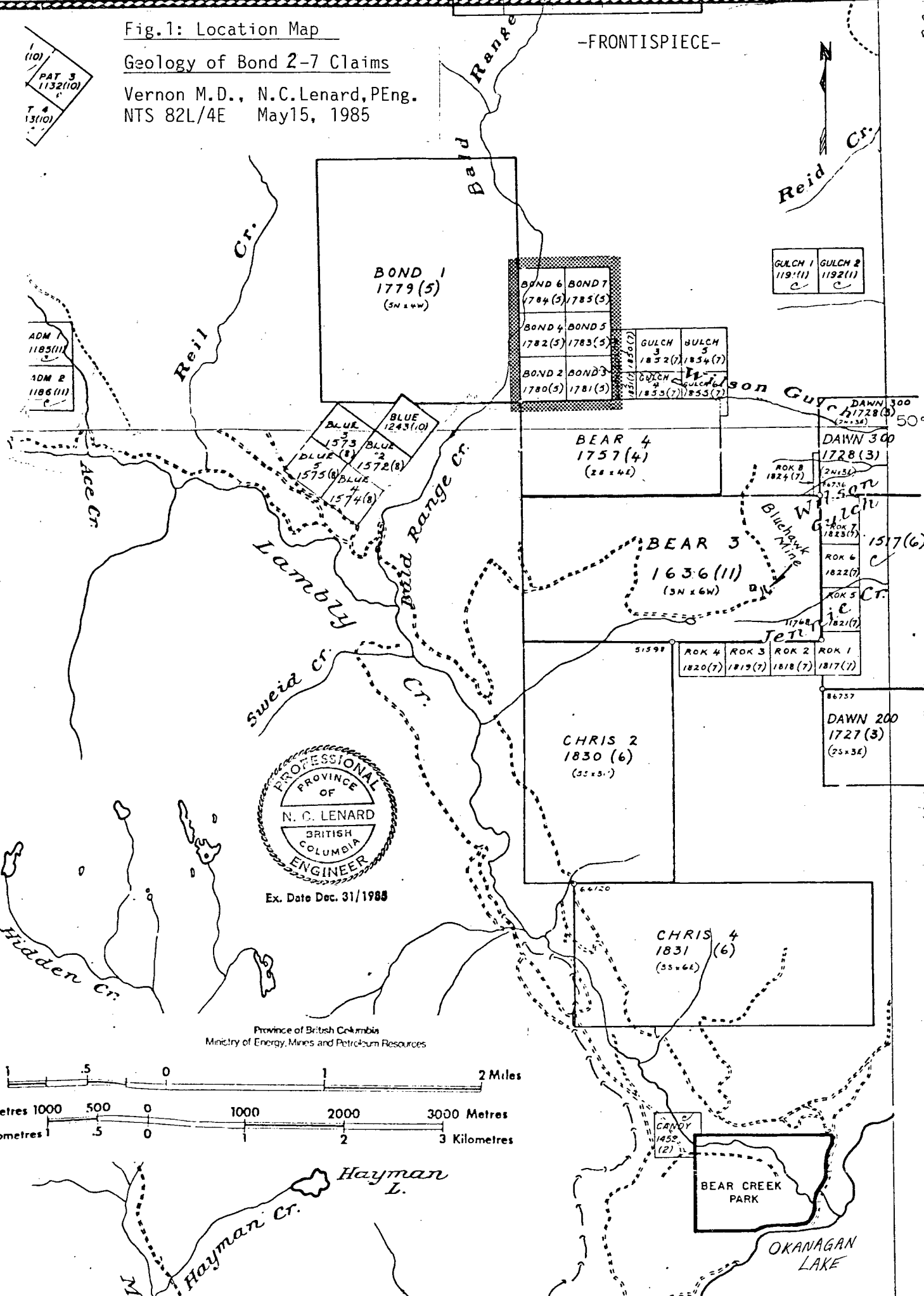
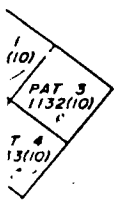
-CONTENTS-

	Page
Introduction	1
Purpose	1
Location & Access	1
Property & Ownership	1
Work History	2
Geology	2
Summary & Conclusions	3
Recommendations	3
Certificate	4
Expenditures	5
References	6
Illustrations	
Fig. 1 Index Location Map	Frontispiece
Fig. 2	Pocket

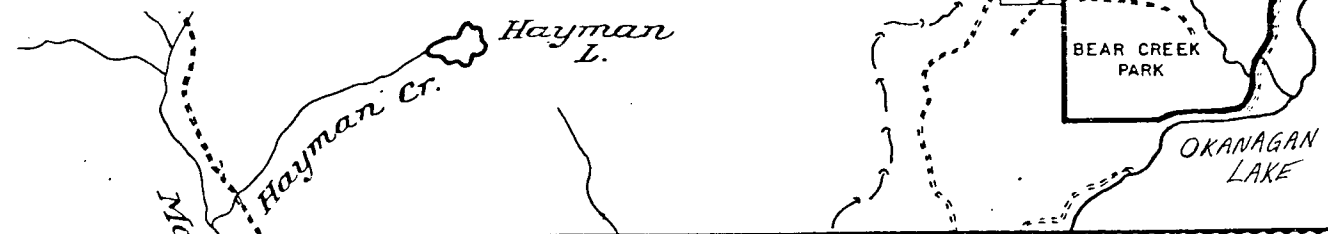
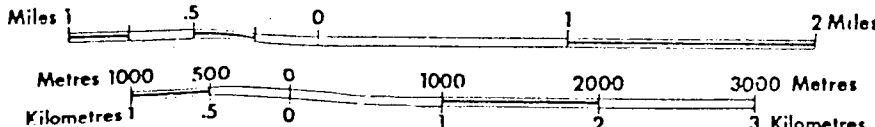
Fig.1: Location Map
 Geology of Bond 2-7 Claims

Vernon M.D., N.C.Lenard, PEng.
 NTS 82L/4E May15, 1985

-FRONTISPIECE-



Province of British Columbia
 Ministry of Energy, Mines and Petroleum Resources



GEOLOGY OF BOND 2-7 CLAIMS

Vernon Min. Div., British Columbia

INTRODUCTION:

This report is a preliminary geological appraisal of the potential for gold-bearing structures on the subject property, which has no previous record of such features on it. It is on the east slope of Bald Range Creek, which flows southerly into Bear (Lambly) Creek. The claims are about 14 Km northwest of Kelowna, and about 3 Km northwest of the old Bluehawk gold mine on Bluegrouse Mountain.

Evaluation is based on data gathered in the field by belt chain and compass tied to roads and topographic features, done on Sept. 29, 1984; and April 16, May 13, 1985.

PURPOSE:

Aim of this work was to preliminary-map the geologic setting: the contact fringe of a granodiorite batholith bordered by quartz diorite, which intrudes Paleozoic metasediments and andesites. Gold and silver values occur in quartz veins in dioritic plugs at the Bluehawk mine, and on the Bond 1, 20-unit claim adjoining to the west.

LOCATION & ACCESS:

The claims are about 4½ Km west of Okanagan Lake at an altitude of 3,500 ft. (1,070m), or 2,390 ft. (729m) above sea level.

Access is by auto via logging roads north of Bear Lake road, in the valley bottom of Bald Range Creek, or by Terrace Main road, which traverses Bond 2, 4 and 6 claims. Bear (Lambly) Lake road is reached via Highway 97 north from the Westside turnoff, about one mile west of Kelowna bridge.

PROPERTY:

The property consists of Bond 2 - Bond 7 two-post claims that were staked to cover an inferred trend of prospective gold-bearing structures southeasterly from adjoining Bond 1 claim.

<u>Claim</u>	<u>Units</u>	<u>Record No.</u>	<u>Tag No.</u>	<u>Record Date</u>	<u>Owner</u>
Bond 2	1	1780	528716M	May 23, 1984	N.C. Lenard
Bond 3	1	1781	528717M	May 23, 1984	N.C. Lenard
Bond 4	1	1782	528718M	May 23, 1984	N.C. Lenard
Bond 5	1	1783	528719M	May 23, 1984	N.C. Lenard
Bond 6	1	1784	528720M	May 23, 1984	N.C. Lenard
Bond 7	1	1785	528721M	May 23, 1984	N.C. Lenard

WORK HISTORY:

The writer is not aware of any previous exploration work on this property, nor is there any evidence found to date of surface workings, surveys or prospecting. Widespread overburden, even on steep slopes, likely inhibited prospecting in the area.

GENERAL GEOLOGY:

These claims are on the western border of the Shuswap metamorphic terrane, a broad region of old sedimentary belts and granitic plutons.

The southwest edge of a Jura-Cretaceous granitic pluton, the Vernon quartz monzonite, trends across the middle of the property, marked by the obscured contact of its quartz-diorite border phase with metasediments and andesites of the late Paleozoic Thompson Assemblage, which may be an eastern facies of the Cache Creek Group, or may be a discrete terrane (G.S.C. Open File 637, Map B).

LOCAL GEOLOGY:

Drainage linears trend NW-SE across the property, interrupted by zig-zag northerly linears of Bald Range Creek bordering the west side of the claims.

As outcrops are scarce, interpretations are based on roadside geology along Terrace Main Road and on forest access roads that have relatively few bedrock exposures. Geology mapped along Bald Range Creek is projected southwest onto the property where feasible.

This preliminary appraisal suggests the presence of a dominant northwest-southeast trend of deep-seated normal faulting across the property with subordinate northerly trending faults evidenced by Bald Range Creek and

scarce drainage linears. Moderate to strong hematization and silicification is common to both faulting trends. Intrusive plugs occur along the southwest front of the Vernon granitic pluton, and one such plug, a pyritic diorite mass, lies on the southeast corner of Bond 3 claim. Gold and silver bearing quartz veins occur in a similar plug at the Bluehawk mine to the southeast.

An oval topographic high on Bond 4 and 5 claims may reflect a quartz diorite plug. Outcrops are lacking, but lamprophyre dykes cut the northwest toe of this feature, which could be a cupola high finger projecting from the pluton.

SUMMARY & CONCLUSIONS:

The structural intersection of Bald Range Creek and inferred NW-SE major faulting could be a favorable site for structurally controlled gold-silver deposits of the quartz vein and breccia lode types, in satellite plugs, Cache Creek beds, and in the Nelson age quartz diorite rim of the Vernon granitic pluton.

RECOMMENDATIONS:

1. Accordingly, the pyritic, faulted diorite area on Bond 3 should be prospected for quartz veins and hydrothermal alteration.
2. The anomalous high on Bond 4 and 5 should be geochemically surveyed for gold and silver and related values in arsenic, tin, tungsten and molybdenum as guides to further exploration.
3. Outcrops should be sought further to delineate the porphyritic quartz monzonite core of the batholith, which may be of Tertiary (Valhalla) age, and, be gold-related.

+++++

-CERTIFICATION-

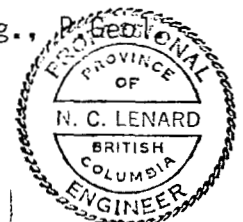
I, Neall Curtis Lenard, of the settlement of Westbank in the Province of British Columbia do hereby certify:

1. that I am a consulting geologist with an office mailing address of Box 863, Westbank, British Columbia, VOH 2A0,
2. that I graduated from the University of British Columbia with a Bachelor of Arts Degree in 1949 (Honours Geology),
3. that I have practised my profession continuously for thirty-four years,
4. that I am the sole owner of the subject Bond 2-7 mineral claims.
5. that the statements made in this report are based on personal examination of the claims on September 29, 1984; April 16, May 13, 1985, and on a study of published and unpublished reports on the property area,
6. that I am a member of the Associations of Professional Engineers of British Columbia and Alberta,
7. that no legal survey has been conducted over the subject mining properties and, therefore, in accordance with the mining laws of the appropriate jurisdiction in which such properties are situate, the existence of and the area of such properties could be in doubt; and,
8. that I attended an extension short course on Exploration Geochemistry at the University of Calgary in 1970; and, a short course in Mining sponsored by the Northwest Mining Association at Spokane, Washington in April, 1981.

DATED AT: The Settlement of Westbank, in the Province of British Columbia, this fifteenth day of May, 1985.

N. C. Lenard

Neall Curtis Lenard, P.Eng., P.



-EXPENDITURES-

PERSONNEL:

N.C.Lenard, P.Geol., 3 days @ \$400. \$1,200.00

TRANSPORTATION:

Vehicle: 4 days @ \$30.00 120.00

REPORT PREPARATION:

N.C.Lenard, P.Geol.: 1 day @ \$400. 400.00

Drafting: 2 hr. @ \$15.00 30.00

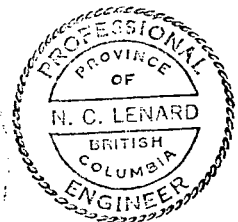
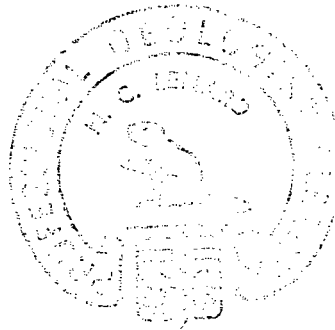
Typing, reproduction, mail 50.00

TOTAL DISBURSEMENTS \$1,800.00

I certify that the above statement accurately represents expenditures made for the geological survey of the Bond 2-7 claims conducted on September 29, 1984; April 16, May 13, 1985.

N.C. Lenard

N.C.Lenard, P.Geol., P.Eng.



Ex. Date Dec. 31/1985

--REFERENCES--

OKULITCH, A.V. & CAMPBELL, R.V. 1980:

Geol. Surv. Canada. Open File 637, Thompson-Shuswap-Okanagan

B.C. DEPT. MINES, PETROL. RESOURCES:

ASSESSMENT REPORTS:

N.C.Lenard, P.Geol. 1981 No. 100-9074: Bear Claims
1984 Bond Claims.

+++++

13,704

Fig.2: PROPERTY & GEOLOGY











BOND 2-7 CLAIMS, VERNON M.D.

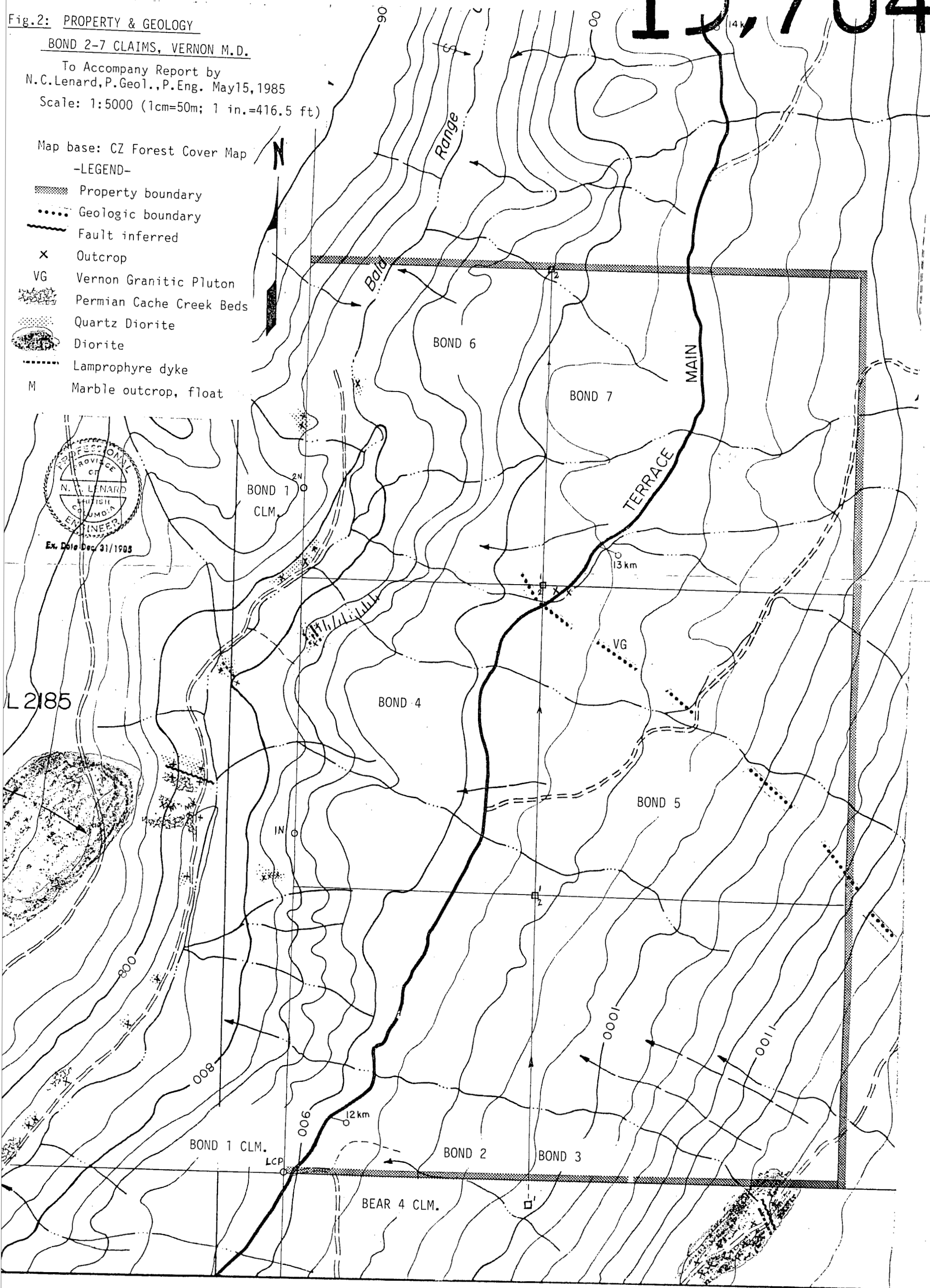
To Accompany Report by
N.C.Lenard, P.Geol., P.Eng. May 15, 1985

Scale: 1:5000 (1cm=50m; 1 in.=416.5 ft)

Map base: CZ Forest Cover Map

-LEGEND-

-  Property boundary
-  Geologic boundary
-  Fault inferred
-  Outcrop
-  Vernon Granitic Pluton
-  Permian Cache Creek Beds
-  Quartz Diorite
-  Diorite
-  Lamprophyre dyke
-  Marble outcrop, float



13,704

Fig.2: PROPERTY & GEOLOGY






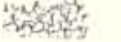




BOND 2-7 CLAIMS, VERNON M.D.

To Accompany Report by
N.C.Lenard, P.Geol., P.Eng. May 15, 1985

Scale: 1:5000 (1cm=50m; 1 in.=416.5 ft)

Map base: CZ Forest Cover Map

-LEGEND-

-  Property boundary
-  Geologic boundary
-  Fault inferred
-  Outcrop
-  Vernon Granitic Pluton
-  Permian Cache Creek Beds
-  Quartz Diorite
-  Diorite
-  Lamprophyre dyke
-  Marble outcrop, float

