DRILLING AND MAPPING REPORT
ON
THE BONANZA
AND
THE RANCH PROPERTIES

NTS 92L/7W
NANAIMO MINING DIVISION
BRITISH COLUMBIA

FOR
INDUSTRIAL FILLERS LTD.
MAY, 1992

Vanguard Consulting Ltd.

Tel.: (604) 681-3234

22354

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

ASSESSMENT REPORT TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S)	TOTAL COST
GEOLOGICAL	$ 17,647.22

AUTHOR(S) DAVID COFFIN SIGNATURE(S) D. Coffin

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED JUNE 5, 1992 YEAR OF WORK 1992

PROPERTY NAME(S) BONANZA QUATSINO (RANCH)

COMMODITIES PRESENT CALCIUM CARBONATE

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION NANAIMO NTS 92 L 7 W

LATITUDE 50° 20' N LONGITUDE 126° 45' W

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property (Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved):

BONANZA GROUP - BONANZA 1 : 2273, BONANZA 2 : 2774, BONANZA 3 : 3022, ADAM : 303179, LITTLE JOE : 303180, BEN : 303181, HOSS 303182 & QUATSINO GROUP - RANCH : 309545, HOP SING : 303183

OWNER(S)

(1) INDUSTRIAL FILLERS LTD. (2)

MAILING ADDRESS

1255 - 2020 UNIVERSITY ST
MONTREAL PQ H3H 2A5

OPERATOR(S) (that is, Company paying for the work)

(1) SAME (2)

MAILING ADDRESS

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

PROPERTIES CONSIST OF KARMUTSEN VOLCANIC FLOWS, OVERLAIN BY WHITE TO BLACK SEQUENCES OF FINE GRAINED QUATSINO LIMESTONE, IN TURN OVERLAIN, IN PLACES, BY WELL BEDDED & FOLDED SEQUENCES OF DARK MUDSTONES & MINOR CHERT OF THE PARSONS BAY FORMATION. THE UNITS TREND NW TO NNW & DIP MODERATELY TO STEEPLY TO THE SW. THESE UNITS ARE INTRUDED BY HORNBLENDE GRANODIORITE OF THE ISLAND INTRUSIVES IN THE EASTERN PORTION OF THE RANCH PROPERTY. THIN BASALT DYKES CUT THE LIMESTONE IN SEVERAL PLACES.

REFERENCES TO PREVIOUS WORK COFFIN, D.I. & GOUCHO, L. - "DIAMOND DRILL PROGRAM ON THE BONANZA PROPERTY" 1988 ASSESSMENT REPORT; COFFIN, D.I., - "GEOLOGICAL MAPPING REPORT ON THE BONANZA 3 & 4 MINERAL CLAIMS" 1989 ASSESSMENT REPORT.

(over)

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1.1 INTRODUCTION

At the request of Hans Achermann for Industrial Fillers Ltd., a program of diamond drilling and of mapping was completed on the Bonanza and the Ranch Groups of mineral claims by Vanguard Consulting Ltd. from May 7-22, 1992. The claims contain fairly pure, white, calcite rich limestone. The purpose of the program was to obtain a drill section in from the cliff exposure above a bulk sample adit on the Bonanza 2 claim, and to extend preliminary mapping on the Ranch property south onto ground acquired by Industrial Fillers in 1991.

1.2 PROPERTY STATUS

The Bonanza property consists of three modified grid system mineral claims and four two-post mineral claims. The Ranch property consists of one modified grid and one two-post mineral claim. Both groups are located in the Nanaimo Mining division on Mineral Title map 92L/7W. Claim maps are presented as Figures 2a and 2b. Particulars of the claims are as follows:

BONANZA GROUP

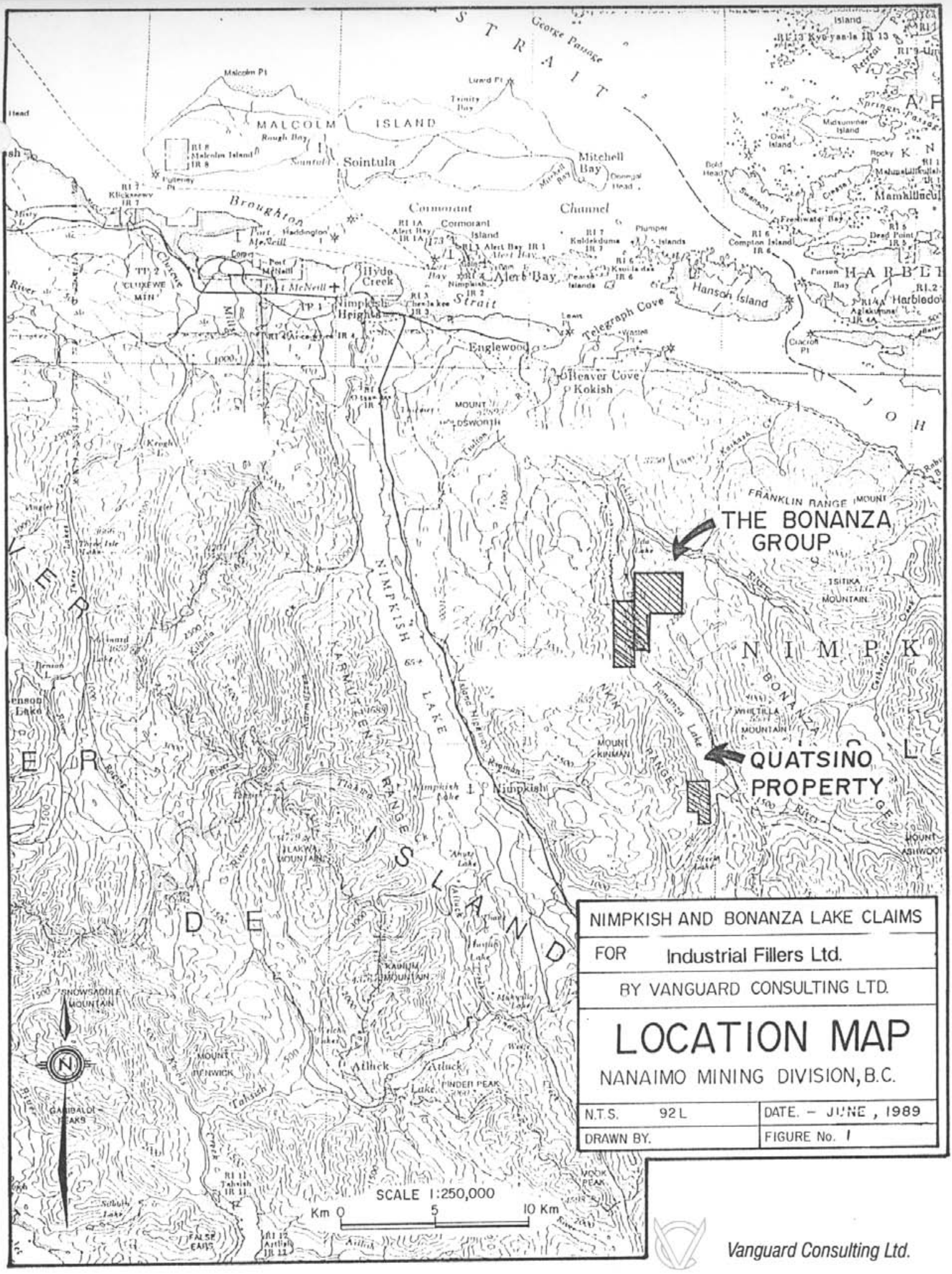
Claim Name	Record No.	Units	Expiry
Bonanza 1	2773(8)	20	8 Aug/94*
Bonanza 2	2774(8)	12	8 Aug/94*
Bonanza 3	3022(7)	10	6 Jul/94*
Adam	303179	1	15 Aug/94*
Little Joe	303180	1	15 Aug/94*
Ben	303181	1	15 Aug/94*
Hoss	303182	1	15 Aug/94*

RANCH GROUP

Claim Name	Record No.	Units	Expiry
Ranch	309545(5)	6	11 May/94*
Hopsing	303183	1	15 Aug/94*

All the claims are registered in the name of Industrial Fillers Ltd. of Montreal, Quebec.

*Upon acceptance of this report for assessment credit.


THE BONANZA GROUP
QUATSINO PROPERTY
NIMPKISH AND BONANZA LAKE CLAIMS
FOR Industrial Fillers Ltd.
BY VANGUARD CONSULTING LTD.
LOCATION MAP
NANAIMO MINING DIVISION, B.C.
N.T.S. 92 L
DATE. – JUNE, 1989
DRAWN BY.
FIGURE No. 1
SCALE 1:250,000
Km 0 5 10 Km
Vanguard Consulting Ltd.

1.3 LOCATION and ACCESS

The Bonanza property straddles the lower Bonanza River about 15 kilometres south of deep harbour at Beaver Cove, on Vancouver Island's Northeast coast. The Ranch property is located at the south end of Bonanza Lake and about 10 km south of the Bonanza property. Port McNeil, the closest supply point to the properties, is approximately 30 air-km or 40 road-km to the northwest. Port McNeil is capable of providing accommodation and other usual requirements for exploration programs.

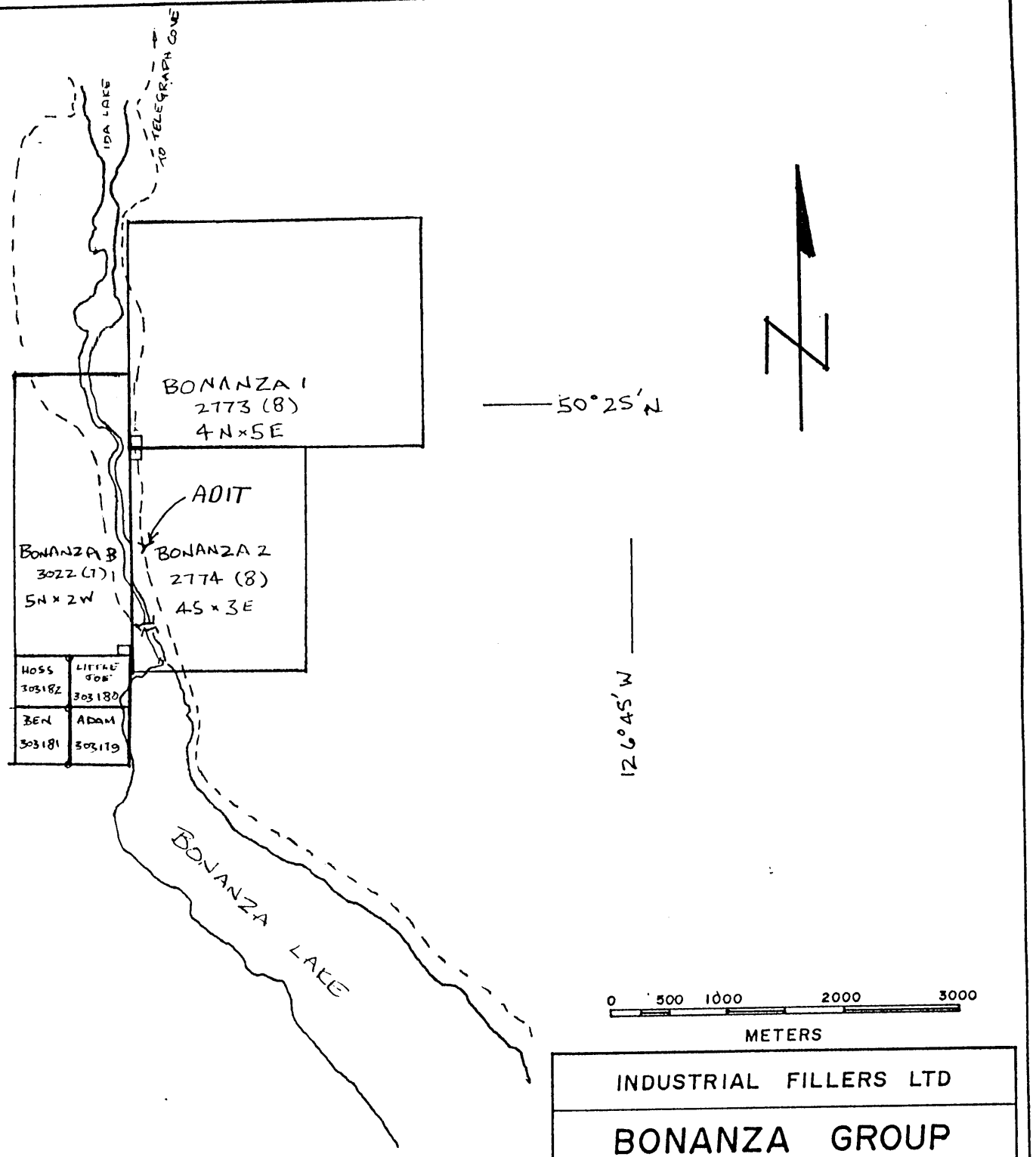
Access to Bonanza property is gained by driving "south" from Port McNeil along B.C. Highway 19 for a distance of 10 km, turning east onto the Telegraph Cove access road and continuing for about 14 km, then turning south to follow the Fletcher Challenge "South Main" along the eastern side of the Kokish River. South Main runs through the property from about the 17 km to the 21 km markers. A secondary road crosses the lower Bonanza River near its source at Bonanza Lake and gives access to the western portions of the property.

The Ranch property is reached by following the South Main for a further 14 km from the lower Bonanza River bridge to Branch 81 which traverses the claim itself. The Branch 81 road has been closed to wheeled vehicles by a series of deep water-bars and culvert removal on its lower portion.

1.4 PHYSIOGRAPHY

The Bonanza property underlies part of the bottom and lower walls of the lower Bonanza River valley. Elevations range from 320 m in the valley bottom to 960 m on the ridge crest in the northeastern part of the property. West of the River slopes are moderate and outcrop is limited to road cuts and occasional short cliff sections while east of the River a series of steep cliffs rise from the valley bottom at an average 35-40° and outcrop exposure is good.

Drainage off the side hills has an immature trellis pattern on



INDUSTRIAL FILLERS LTD

BONANZA GROUP

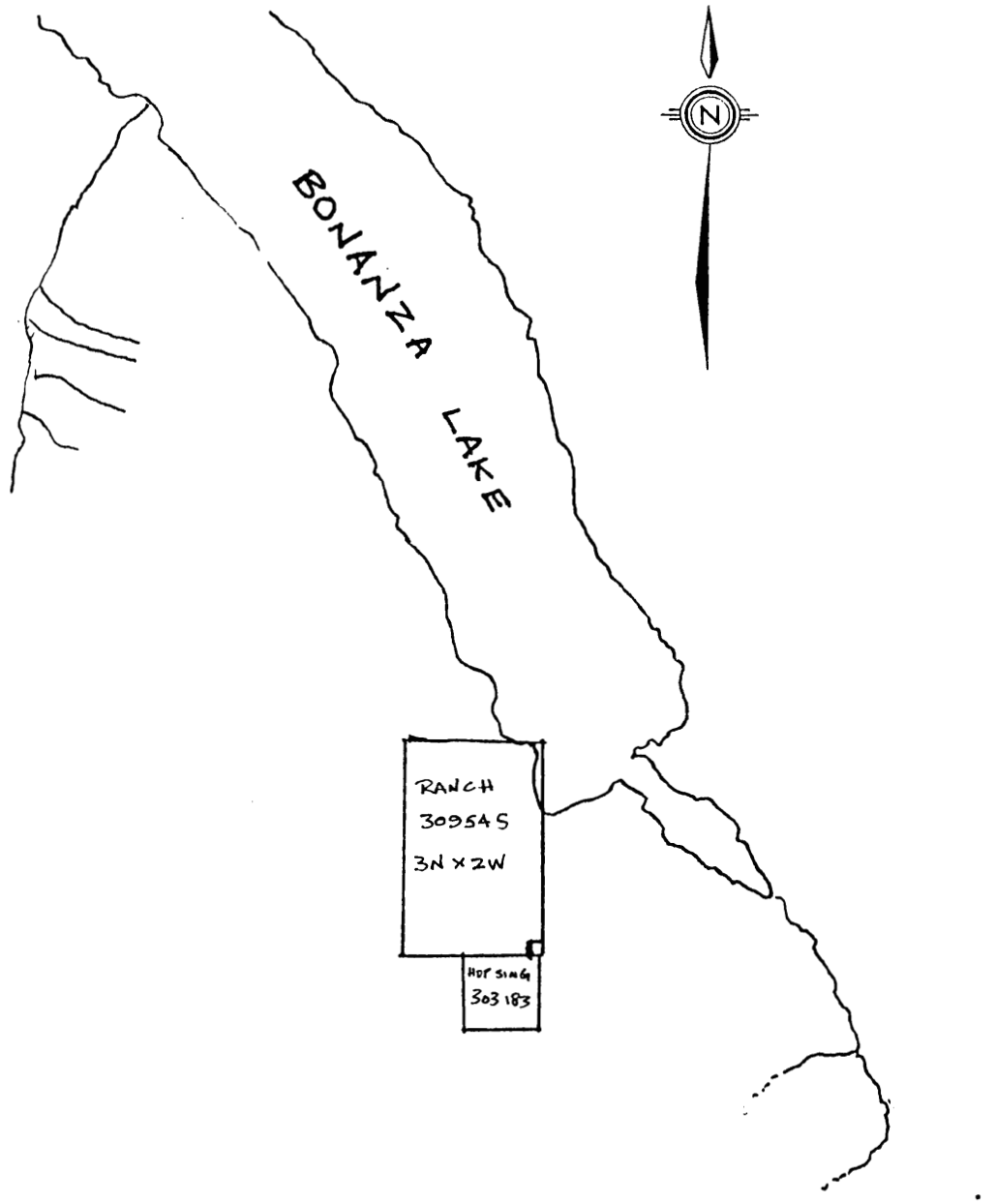
VANCOUVER ISLAND, B.C.

CLAIM MAP

NTS 92L/7W

DATA - Vanguard Consulting Ltd	
DRAWN BY - E.C.	DATE - JUNE, 1992
SCALE - 1:50 000	FIGURE No. 2a

Vanguard Consulting Ltd.



INDUSTRIAL FILLERS LTD

QUATSINO PROPERTY

VANCOUVER ISLAND, B.C.

CLAIM MAP

NTS 92L/7E + 7W

DATA – Vanguard Consulting LTD	
DRAWN BY – P.H. + E.C.	DATE – JUNE, 1992
SCALE – 1 : 50 000	FIGURE No. 2b

the west side and a simple run-off trough pattern on the east side of property. Major creeks maintain flow for most of the year on the west but are seasonal on the east side; the Bonanza River runs year round. The property is covered by stands of first and second growth fir and ceder and by areas of recent logging clear cut.

The Ranch property underlies part of an east facing side hill forming the divide between the Bonanza-Kokish drainage and the Steele Creek-Nimpkish Lake drainage. Slopes are steep where limestone forms cliffs. The lower portions of the property are covered by mature second growth fir; upper portions are covered by first growth fir and ceder north of Steele Creek and by recently clear cut and planted south of the Creek. Steele Creek flows most of the year but is the only source of water other than Bonanza Lake on the property.

The properties lie within a humid section of the Coastal physiographic region. Precipitation is heavy, falling largely as rain during winter months. Snow accumulates at higher elevations. Both the Kokish and Nimpkish drainages empty into the Pacific Ocean on the northeast coast of Vancouver Island.

2.1 REGIONAL GEOLOGY

The region is primarily composed of intermediate volcanic sequences of the Karmutsen Formation conformably overlain by Quatsino Formation limestone, both being members of the Upper Triassic Vancouver Group. In some areas Triassic Parson Bay mixed but primarily clastic sedimentary rock and, in turn, Lower Jurassic Bonanza Group intermediate to felsic volcanic rock overlies the Quatsino Formation. All of this rock trends generally to the northwest, displaying a series of broadly spaced open folds.

All of the above units have been intruded by members of the intermediate to felsic Island Intrusions of Upper Jurassic age. These intrusions are felt responsible for both skarn and hydrothermal metal deposits at numerous locations on Vancouver Island.

Major faults tend to lie sub-parallel to the fold structures, although cross-faulting has been mapped.

2.2 PROPERTIES GEOLOGY

No new mapping was done on the Bonanza property during 1992. Mapping done on the Ranch property did not encounter any new lithology during 1992.

The properties consist of Karmutsen intermediate volcanic flows which are overlain by white to black sequences of generally fine grained Quatsino limestone, in turn overlain in places by well bedded and locally folded sequences of dark mudstones and minor chert of the Parson Bay formation. The units trend generally NW to NNW and dip moderately to steeply to the SW. The above units are intruded by hornblende granodiorite of the Island intrusives in the eastern portion of the Bonanza property and along the southern and eastern portions of the Ranch property. Thin dykes of intermediate composition cut limestone in several areas and are probably related to the Island intrusions.

A description of lithologies is as follows:

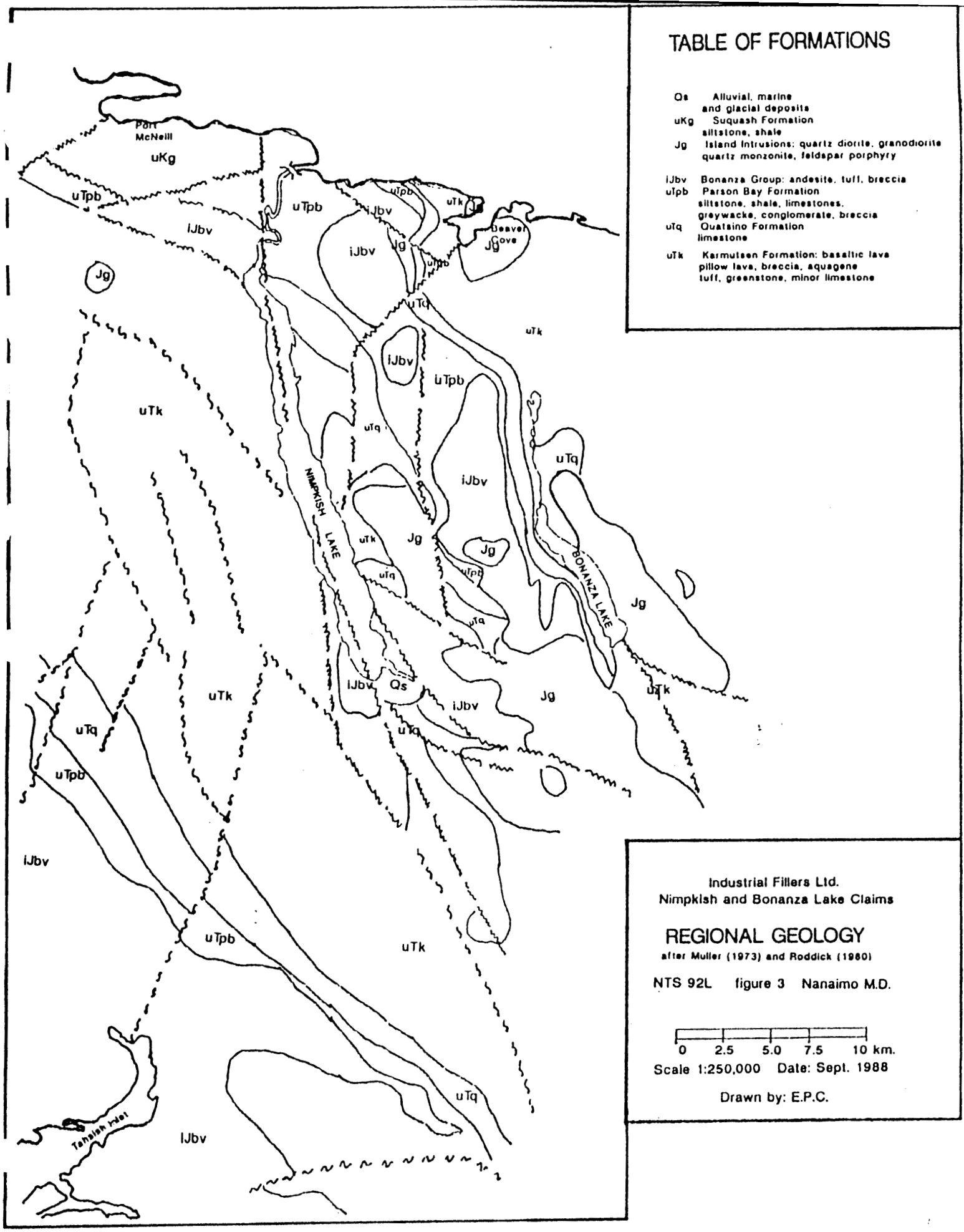


TABLE OF FORMATIONS

Qs	Alluvial, marine and glacial deposits
uKg	Suquash Formation siltstone, shale
Jg	Island Intrusions: quartz diorite, granodiorite quartz monzonite, feldspar porphyry
lJbv	Bonanza Group: andesite, tuff, breccia
uTpb	Parson Bay Formation siltstone, shale, limestones, greywacke, conglomerate, breccia
uTq	Quatsino Formation limestone
uTk	Karmutsen Formation: basaltic lava pillow lava, breccia, aquagene tuff, greenstone, minor limestone

Industrial Fillers Ltd.
Nimpkish and Bonanza Lake Claims

REGIONAL GEOLOGY

after Muller (1973) and Roddick (1980)

NTS 92L figure 3 Nanaimo M.D.

0 2.5 5.0 7.5 10 km.

Scale 1:250,000 Date: Sept. 1988

Drawn by: E.P.C.

Vanguard Consulting Ltd.

(Unit 1); Karmutsen volcanic, composed of buff weathering, dark green to grey, medium grained, massive flows. Occasional discrete gains of pyrite and occasional weak magnetism were noted. Portions of the contact with the Quatsino limestone is altered to silica, crystalline calcite and up to 5% fine crystalline pyrite filling fractures.

(Unit 2); White Quatsino limestone. The unit is black or buff weathering, fine to medium grained, massive, white to light grey in colour and calcite rich. In lower sections the unit is often coarser grained, being composed of intergrown and poorly formed calcite crystals that include patches of opaque to light grey colour which powder white; light grey beds were also seen in the finer grained areas, but their continuity could not be established because of poor outcrop exposure. Streaks of limonite and goethite were occasionally noted.

(Unit 3); Grey Quatsino limestone; Unit 3 is intercalated with Unit 2 near their contact. The unit is fine grained, light to dark grey and calcite rich, being distinguished from Unit 2 by colour and by grain size. Unit 3 is always found to be fine grained and powders off white in colour. The contact between beds of Unit 2 an Unit 3 are sharp and appear in places to relate to original bedding.

(Unit 4); Black, white weathering, very fine grained limestone which in places contains material relating to the clastic sediments referred to as Unit 5 below and is a gradational rock between the two. Powders grey. May represent a lower unit of the Parsons Bay formation in regional stratigraphy.

(Unit 5); Black, well bedded mudstones, and occasional chert. Buff to orange weathering, fine grained , well bedded black clastic sediments. Bedding planes often show smears of pyrite, particularly close to the lower contact. Pyrrhotite also seen in the area of chert horizons. Chert beds are light greyish green, fine grained in beds up to three metres in thickness. Occasional pyrite and pyrrhotite. The unit has undergone soft sediment deformation and in areas chevron folding was noted.

(Unit 6); Island intrusive. Equigranular, medium grained, hornblende granodiorite.

(Unit 7); Intermediate dykes. Dark green, fine grained, pyritic intermediate dykes trending northwesterly.

2.3 BONANZA DRILLING

A single core hole, PBH 92-2, was drilled at a point 30 metres from the portal of the bulk sample adit located near the western boundary of the Bonanza 2 claim; the adit location is shown on figure 2a. The drilling was done by Neills Mining Co. of Victoria using a portable Prospector 89 drill, aluminium rods and a power pack which could be left outside the adit.

The hole was drilled at +35 degrees on an azimuth of 070 degrees and for a length of 153 metres. The hole was aligned so as to test the effect of surface alteration on the section underlying from the cliff which sits above the adit, and to test the effect of hydrothermal alteration seen in the adit. The dip of the hole was such that bedding/banding planes were cut at acute angles. Core recovery was 100% and less then 5% of the core was broken.

Except where altered limestone was white and finely crystalline, and constituted 97% of the hole. The balance of the core was either skarn alteration or intermediate dykes. Skarn contacts were irregular in nature, appeared to be subparallel to bedding and were accompanied by increased pyrite on bedding planes in the overlying limestone. Dykes, unless accompanied by skarn, had sharp contacts and appeared to cut bedding.

Only one short section of fracturing at 62 metes contained secondary iron and there only on the fractures themselves; surface alteration does not appear to be a problem in this area.

The core was boxed, crated and sent, in it's entirety, to Vermont Marble Ltd. in Procter, Vermont. Vermont Marble is an associated company of Industrial Fillers. Vermont Marble intends to carry out specialized analyses on the core specific to the intended end use of the limestone, which is industrial filler. Results of

the analyses have not yet been received.

A 1:500 section of drillhole PBH 92-2 is presented on Figure 4. which can be found in the map pocket of this report. The diamond drill log may be found in Appendix C.

2.4 RANCH MAPPING

Mapping was extended south onto the Hopsing claim, staked in 1991, and further detail from the Ranch (formerly Quatsino 1) claim was mapped and plotted onto a new base map.

The white limestone on the Hopsing claim occupies steep cliffs and is bounded on the south and west by Island granodiorite and on the east by underlying Karmutsen volcanic flows. The limestone ranges from about 315 to 450 meters ASL on the north claim boundary but thins rapidly to the south because of the intrusion and may be cut off by a northeasterly trending fault. Skarn alteration is visible along most of the visible upper contact area but was not seen elsewhere.

3.1 CONCLUSIONS

Drill hole PBH 92-2 indicates that surface alteration of iron or other sulphide minerals is very limited in the area above the adit on Bonanza 2 and should not be a detriment to development. Hydrothermal alteration and dykes, which are probably both related to the granodiorite intrusion, are present over a large volume but in small quantities; pyrite is fairly abundant in the lower part of the hole.

The Hopsing claim contains a block of limestone which is white and appears to be free of impurities other than skarn near the intrusive contact; drilling will need to be done to test the location of the subsurface granodiorite contact and related alteration. The claim covers all of the limestone to the south of the Ranch claim.

REFERENCES 4.1

Brown, H.J.	June 1984	Geology of the Port McNeill(sic) Quarry Area MAP ONLY; Private report.
Coffin, D.J. Soux, C.	Sept 1988	Diamond Drill Program Report on Bonanza Property; for Industrial Fillers Ltd.
Coffin, D.J.	July 1989	Geological Mapping Report of Bonanza 3 & 4 Mineral Claims for Industrial Fillers Ltd.
Gunning, D.F.	May 1980	Assessment Report....Claims IMA4 and IMA5, Nanaimo Mining Division; International Marble & Stone Co. Ltd.
Gunning, H.C. & Hoadley, J.W.	1929/31 1952	Geology of Nimpkish Map Sheet @ 1" = 1 mile; GSC map 1029A
Muller, J.E. & Roddick, J.A.	1973 1980,000;	Geology of Alert Bay - Cape Scott @ 1GSC0mapp1552A

APPENDIX A

COST BREAKDOWN

COST BREAKDOWN

BONANZA DRILLING AND RANCH MAPPING 1992

DRILLING:	153 metres @ $60.00	$ 9,180.00
	Mob/Demob (Drillers)	800.00
	Core Boxes and Lids	169.00
	Sub total	$ 10,149.00
	Accommodations, Groceries, Meals	530.55
	Field Supplies, Fencing Materials, signs	150.11
	Fuel, Ferry Tickets	186.54
	Long Distance Telephone charges	148.30
	Vehicle Rentals	469.60
	Sub total, Expenses	$ 11,634.10
	Add 15%	1,745.16
	TOTAL EXPENSES	$ 13,397.22
PERSONNEL:		
David Coffin:	Drill site Selection Supervision, Mapping Core Logging, Report Writing.	
	9 Field Days @ $325.00	$ 2,925.00
	2 Office Days	650.00
Eric Coffin:	Crating and Shipping Core, Fencing Adit	
	3 Field Days @ $225.00	675.00
TOTAL COSTS		**$ 17,647.22**

APPLIED TO:	**RANCH AND HOP SING:**	**$ 800.00**
	BONANZA :	**$ 16,847.22**
	P.A.C. WITHDRAWAL :	**762.78**
	TOTAL - BONANZA :	**$ 17,600.00**

APPENDIX B

Qualifications

I am a partner with the firm of Vanguard Consulting Ltd. at 701-518 Beatty St., Vancouver, B.C.

I attended the Haileybury School of Mines, Ontario, in the department of Mining Technology, from 1975 to 1976.

Since 1974 I have worked in a variety of jobs in the Canadian mineral exploration field including regional and detailed prospecting, detailed geological mapping, core logging, property management and program development.

This report is based upon field work conducted by myself and others during the period May 7-22, 1992. I hold no interest in the property or its owners.

APPENDIX C

DRILL LOG

CORE LOG

Interval to:	Length (m)	Rock Type	Unit	Description	Sample Nº
0.46	0.46	LIMESTONE		WHITE CRYSTALLINE LIMESTONE 0.5-1 mm RANDOMLY ORIENTED CRYSTALS.	
0.81	0.35	Fe REPLACEMENT		PINKISH-BROWN REPLACEMENT BED WITH 5-7% PYRITE AS 1-3 mm GRAINS DISSEMINATED AND ON PLANES AT A 35° ANGLE TO THE CORE. 2-3% BRIGHT GREEN ?CHLORITE ON PLANES AND OCCASIONALLY RIMMING PYRITE CUBES. CONTACTS ARE SHARP; LOWER CONTACT ORIENTED 35° TO THE CORE, UPPER CONTACT ORIENTED 75°	
3.66	2.85	WHITE LIMESTONE		SAME AS INTERVAL 0-0.46 WITH SOME GREY BANDS ORIENTED @ 30° TO THE CORE	
7.16	3.5	LIMESTONE		WHITE LIMESTONE WITH GREY STREAKS (BEDS?) AND VARIABLE FINE DISSEMINATED SULPHIDES AND MINOR HEMATITE. CORE ANGLE OF STREAKS IS 45° @ 5.18 m, 35° @ 5.49 m,	
12.5	5.34	WHITE LIMESTONE		WHITE CRYSTALLINE LIMESTONE	
25.15	12.65	LIMESTONE		WHITE WITH GREY STREAKS (BEDS) AND FINE, DISSEMINATED SULPHIDES. SULPHIDE CONTENT GENERALLY < 0.01% BUT SOME 1-2 cm SECTIONS HAVE MUCH HIGHER CONCENTRATIONS (CONT)	

CORE CONDITION

Interval	Length (m)	% Recovery	Description

Client: INDUSTRIAL MINERALS LTD.
Project: BONANZA
Hole: Nº PBH 92-2 Interval 0 to 25.15 m
Azimuth/Inclination 070° / +35°
Logged by: D. COFFIN Date: MAY 22, 1992

Vanguard Consulting Ltd.

CORE LOG

Interval to:	Length (m)	Rock Type	Unit	Description	Sample Nº
25.15	12.65	CONTINUED ----		10 cm of Fe replacement @ 14.02m. Core angle of streaks varies from 20-35°	
66.14	40.99	LIMESTONE		Generally white fine crystalline limestone with 1-3 cm streaks of grey pyrite at intervals of 1.5 to 3 metres. Within the streaks pyrite content is 5-10%, occasionally over 30% for 5mm sections. Near the start of this sequence the core is somewhat broken; fractures are limonitic. Core angle of streaks is ~30° ± 5°, but microfolds can be seen under a hand lens. From 38.7m to 50.3m the sulphides are similar but appear as clots which do not transect the core.	
81.23	15.09	LIMESTONE		White to light grey fine crystalline limestone within which are 0.1-2mm whisps of dark grey to medium grey material containing fine sulphides. The whisps are usually folded back on themselves and discontinuous. They represent <5% of the core volume. And, in places, fade to background.	

CORE CONDITION

Interval	Length (m)	% Recovery	Description

Client: Industrial Fillers Ltd.
Project: Bonanza
Hole: Nº PBH 92-2 Interval 25.15 to 81.23
Azimuth/Inclination 070°/+35°
Logged by: D. Coffin Date: March 22, 1992

Vanguard Consulting Ltd.

CORE LOG

Interval to:	Length (m)	Rock Type	Unit	Description	Sample Nº
81.76	0.53	BASALT		DARK FINE GRAINED ?SILL OF PROBABLE ANDESITE - BASALT COMPOSITION. LOWER CONTACT CONTAINS 2-3 cm OF PINK ALTERATION / MASSIVE GARNET. CORE ANGLE OF GARNET SECTION AVERAGES 20°	
86.94	5.18	LIMESTONE		WHITE LIMESTONE WITH DARK GREY BANDS CONTAINING PYRITE AS FINE DISSEMINATIONS. ROCK LIGHTENS AND SULPHIDES DECREASE WITH DISTANCE FROM THE ?SILL AND OVERALL ARE LESS THAN 5% OF THE VOLUME. CORE ANGLE OF BANDS IS 5-10°	
100.28	13.34	LIMESTONE		MOTTLED WHITE/GREY TO WHITE STONE WITH OCCASIONAL ZONES OF DARKER WHISPS. NO VISIBLE SULPHIDES.	
101.50	1.22	ANDESITE/SKARN		GREEN TO PINK REPLACEMENT ZONE WITH < 5% POORLY FORMED GARNET AND < 5% EPIDOTE. PORTIONS APPEAR SIMILAR BUT LIGHER THAN THE BASALT AT 81.76 m. UPPER CONTACT CORE ANGLE 35°, LOWER CONTACT SAME ANGLE, BUT HACKLY.	

CORE CONDITION

Interval	Length (m)	% Recovery	Description

Client: INDUSTRIAL FILLERS LTD
Project: BONANZA.
Hole: Nº PBH 92-2 Interval 81.23 to 101.50
Azimuth/Inclination 070°/+35°
Logged by: D. COFFIN Date: MAY 22, 1992

Vanguard Consulting Ltd.

CORE LOG

Interval to:	Length (m)	Rock Type	Unit	Description	Sample №
134.42	32.92	LIMESTONE		WHITE TO LIGHT GREY FINE GRAINED LIMESTONE WITH OCCASIONAL DARK STREAKS. OCCASIONAL SLIPPAGE PLANES CONTAINING A THIN SMEAR OF GOUGE.	
140.21	5.79	LIMESTONE		LIGHT GREY GRADING TO MEDIUM GREY TOWARDS UPPER END OF SECTION. NO STREAKS OR VISIBLE SULPHIDES.	
142.8	2.59	ANDESITE?		FINE GRAINED DARK GREY-GREEN INTRUSIVE. PYRITE ON MINOR SEAMS AT A CORE ANGLE OF 50-60° AND AT UPPER CONTACT. LOWE CONTACT CORE ANGLE OF 40°, UPPER CONTACT 30°	
153.01	10.21	LIMESTONE		WHITE TO LIGHT GREY LIMESTON. NO VISIBLE SULPHIDES. SECTION OF CORE FROM 146.61m TO 147.4m WAS STOLEN FROM THE CORE BOX.	
				END OF HOLE.	

CORE CONDITION

Interval	Length (m)	% Recovery	Description

Client: INDUSTRIAL FILLERS LTD
Project: BONANZA
Hole: № FBH-92-2 Interval 101.5 to 153.01
Azimuth/Inclination 070°/+35°
Logged by: D. COFFIN Date: MAY 22, 1992

Vanguard Consulting Ltd.

LEGEND

- 7 — Intermediate dyke
- 6 — Granodiorite (Island Intrusive)
- 5 — Mudstone (Parsons Bay)
- 5v — Intermediate volcanics
- 4 — Black Limestone (Quatsino)
- 3 — Grey Limestone (Quatsino)
- 2 — White Limestone (Quatsino)
- 2s — Skarn
- 1 — Andesite and Basalt flows (Karmutsen)

SYMBOLS

- Geological contact, known.
- Geological contact, assumed.
- Bedding
- Joint
- Air photo linear (Fault?)
- Road quarry site
- Road
- Hydro line
- Rock sample site.
- Property boundary.
- (1) Outcrop, with Rock Type.

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,354

CONTOUR INTERVAL 10 METERS

PHOTO FLOWN AUGUST, 1989

METERS

100 50 0 100 200 300 400 500

INDUSTRIAL FILLERS LTD.	
RANCH PROPERTY	
GEOLOGY	
SCALE: 1:5000	DATE: MAY 1992
N.T.S.: 92L/7W	BY:
VANGUARD CONSULTING LTD.	

BONANZA LAKE

STEELE CREEK

TO HIGHWAY 19

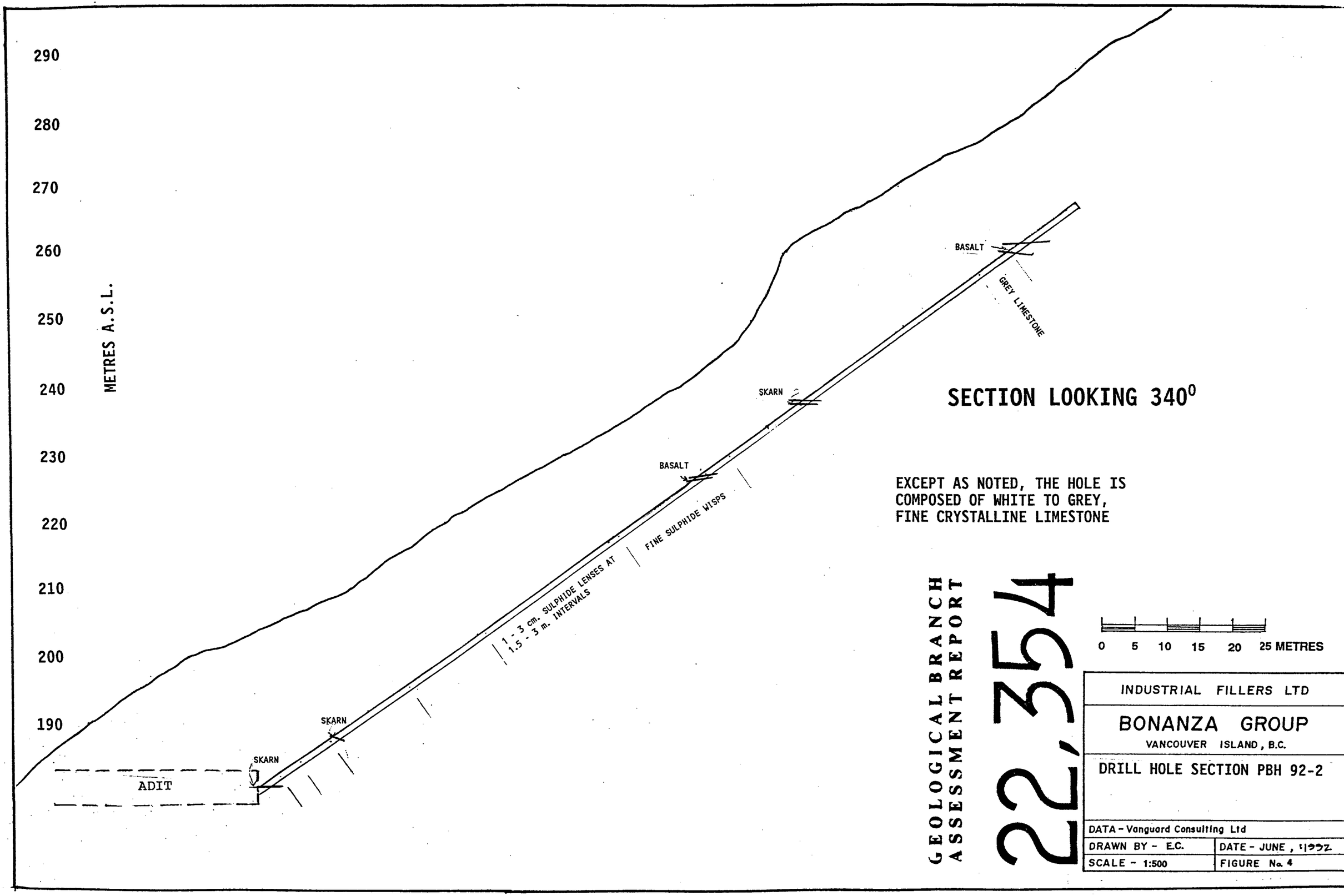
5578500 N

659500 E

558500 E

5576000 N

50 20' N 126 45' W



SECTION LOOKING 340°

EXCEPT AS NOTED, THE HOLE IS COMPOSED OF WHITE TO GREY, FINE CRYSTALLINE LIMESTONE

0 5 10 15 20 25 METRES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,354

INDUSTRIAL FILLERS LTD
BONANZA GROUP VANCOUVER ISLAND, B.C.
DRILL HOLE SECTION PBH 92-2
DATA - Vanguard Consulting Ltd
DRAWN BY - E.C. / DATE - JUNE, 1992.
SCALE - 1:500 / FIGURE No. 4