

Flounder 1467

Cowichan Lake

841061

Tenas
Granite Cr.

Carl

A proposal to investigate thoroughly the lower reaches (above the main haul road) of Granite Creek and Tenas Creek, tributaries of the Nitinat River on Vancouver Island. This area has been mapped as Bonanza by Muller:

NTS 92 C/15
Lat. 48°53'N
Long. 124°34'W

In 1977 Fipke and I carried out a bulk stream detritus sampling program on Vancouver Island. The Granite Creek bulk sample proved strongly anomalous in Cu and less so in Zn in the 35 HN (+35 Mesh, heavy, non magnetic fraction). The finer HN fractions were not so anomalous. Float GL-78-R56 (Cu 1.29% Ag 0.28 oz) containing chalcopyrite was picked up near the road in Tenas Creek although the bulk sample from that creek was not particularly anomalous.

Early in 1978, Granite Creek and the lower reaches of Tenas Creek were prospected. Nothing of significance was found. The copper float appeared to be present in the Tenas Creek channel for not more than 200 ft. above the main logging haul road. Limestone was located in place about one half mile above the road. Some 1000 ft. further upstream, a rusty member (20 ft. thick) of the Vancouver group is exposed for a short distance. A grab sample (GL-78-R5) was assayed:

<u>Cu Ppm</u>	<u>Pb Ppm</u>	<u>Zn Ppm</u>	<u>Ag Ppm</u>	<u>Ag PPb</u>
136	128	166	1.3	570

An attempt should be made to follow this pyritiferous member along strike looking for evidence of massive sulphides.

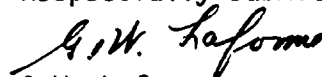
The coarse fraction of the C57 bulk sample taken from Granite Creek is strongly anomalous in copper whereas the finer fractions are less anomalous. This suggests a nearby source. The copper bearing float from Tenas Creek is magnetic and calcareous suggestive of skarn material. Limestone outcrops in the bed of Tenas Creek.

A major NS fault is mapped from north of Tuck Lake, south along Parker Creek, then following part of the course of the Nitinat River and then ascending Tenas Creek, probably to cut the limestone and possibly as far as the above mentioned rusty pyritiferous outcrop.

A program to stake the ground, establish a grid, soil sampling followed by ground magnetometer survey could delineate mineralization. If warranted, a follow-up program employing self potential geophysics would further delineate a deposit.

These measures should have a high priority because of the easy access.

Respectfully submitted



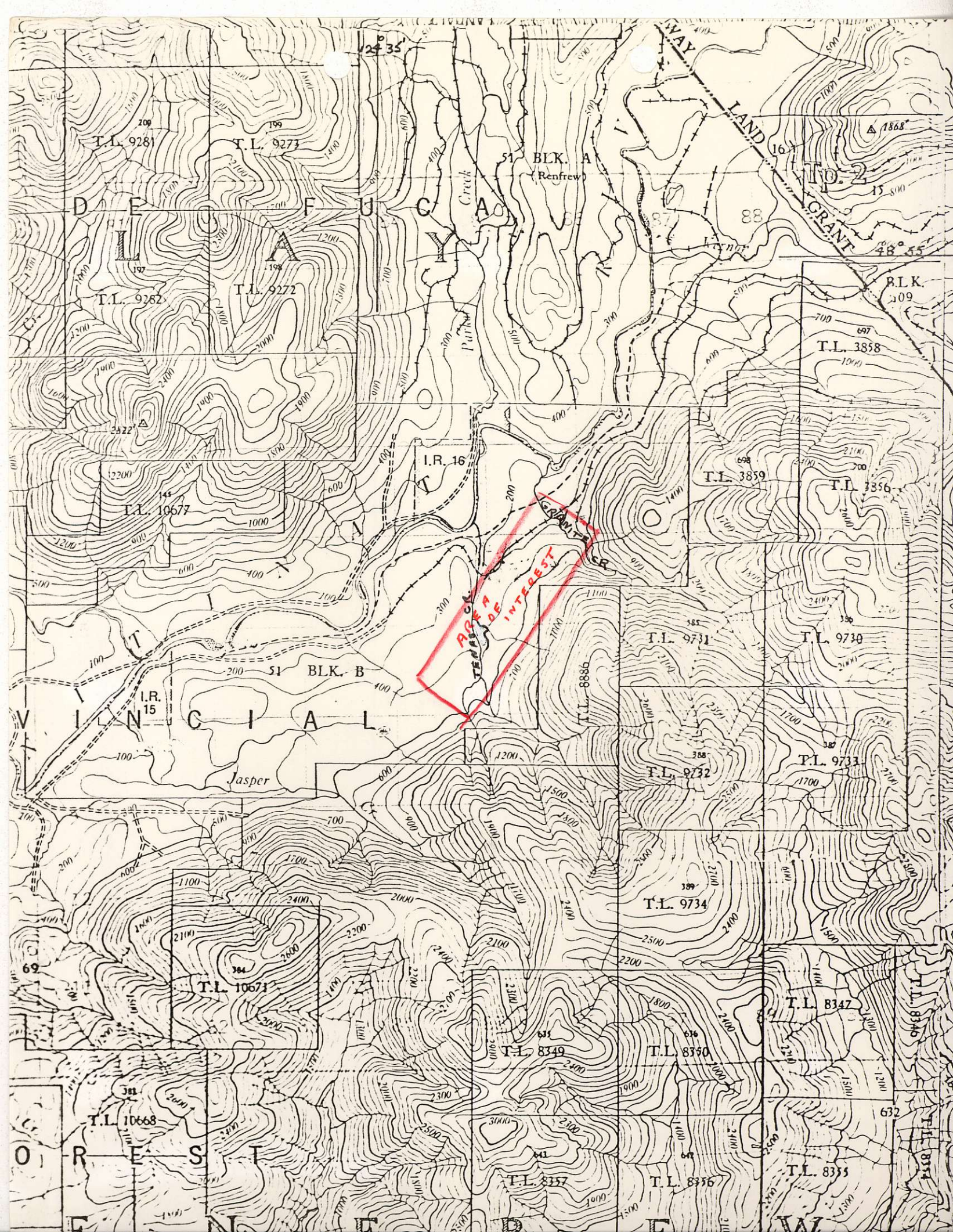
G.W. Laforme
November, 1978

TIME ALLOTMENT

Prospecting	
Staking	2 weeks
Grid	
Soil Sampling	
Mag. survey	
S.P. survey	2 weeks
Grid	
Soil sampling	
Report	2 days

COST

Wages	\$2,400.
Truck	450.
Gas, Oil	150.
Food	450.
Lodging	450.
Ferry	100.
Staking fee	50.
Assays	450.
Report, maps, drafting	<u>100.</u>
	\$4,600.
10%	<u>460.</u>
	<u>\$5,060.</u>



To: Chevron Standard Ltd.

REPORT No A27 - 864

PAGE No. 1

BONDAR-CLEGG & COMPANY LTD.

DATE: Sept. 28, 1977

901 - 355 Burrard Street
Vancouver, B.C.

CERTIFICATE OF ASSAY

Samples submitted: Sept. 21, 1977
Results completed: Sept. 28, 1977

M 467

I hereby certify that the following are the results of assays made by us upon the herein described ore samples.

MARKED	GOLD		SILVER	Cu	Zn						TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
GL-77-R - 56	<0.002		0.28	1.29	0.02						

THIS
CERTIFICATE IS
VALID ONLY IF
ISSUED BY THE
ASSAY DIVISION
OF THE
MINISTRY OF
ENERGY AND
MINES
BRITISH COLUMBIA

035 MESH

A2-035 HN

No visible Au, 2 grain definite cpy, tr. covellite on pyrite. 2 - 3% sulfides mostly limonite coated or stained pyrite; some tr. minor definite (fairly fresh) chalcopyrite, tr. covellite on pyrite; tr.-minor tremolite-actinolite; 2% ilmenite-rutile; tr. possible garnet?; 5 - 10% sphene; 5 - 10% Mg pyroxene (dark green diopside); 80% non-ferrous epidote group (clinozoisite).

A3-035 HN

2% sulfides - mostly limonite coated or stained pyrite; 3 - 4% ilmenite-rutile, tr.-minor tremolite-actinolite; tr. poss. garnet? (poor faces); 10 - 20% sphene; 80% non-ferrous epidote group (clinozoisite).

A4-035 HN

3 - 5% sulfides mostly limonite coated or stained pyrite but several commonly fresh grains chalcopyrite; 1 grain molybdenite; 3 grains azurite-malachite; 1 probable grain sphalerite (cubic cleavage brown streak); several grains grey to black, metallic micaceous mineral, some are weakly magnetic and gives reddish streak: thought to be specular hematite rather than molybdenite; minor green to white tremolite-actinolite; tr.-minor black spinel; 3 - 5% ilmenite-rutile; 10 - 20% sphene mostly altered to leucoxene; minor diopside; 70% non-ferrous epidote group (common weathered clinozoisite).

080 MESH

A2-080 HN

5% limonitic and yellow stained sulfides, mostly pyrite; tr.-minor confirmed chalcopyrite; 2 grains azurite-malachite, one with traces of pitch limonite, coating clinozoisite; two grains fine molybdenite coating soft carbonate; at least two arsenopyrite grains, in one case with limonite coating; 5 grains of malleable non-ferrous metals; one grain is light metallic grey, oxidized black, partially soluble in conc. nitric with distinct filing (cutting) shape; one silver white, soft and very oxidized black and brassy coloured on one weathered side, readily soluble in conc. nitric giving whitish and greenish precipitate, original natural flat shape, very weakly magnetic-thought to be native silver with tr. dissolved Cu and maybe with tr. included magnetite, or secondary stain; on brassy yellow metal with distinct cutting shape, soluble in conc. acid-thought to be bronze brassy; one brassy yellow, long fragment, soluble in conc. nitric giving a minor green precipitate no distinct natural or artificial markings, probably a brass metal nut, less likely a natural silver with metallic Cu; one small bright white metallic, non-magnetic mineral - very soft and malleable - soluble in conc. nitric - thought to be fresh native silver; a few grains of a dark grey to black soft, micaceous? material possibly molybdenite?? or weathered ilmenite; several grains of tremolite - actinolite 2 - 5% non-magnetic (crystalline) ilmenite and rutile; 3% med. and dark green diopside; tr. zircon; 10 - 20% mostly fresh sphene; 70 - 80% non-ferrous epidote group (clinozoisite).

A3-080 HN

3 - 4% sulfides mostly limonite coats or stained pyrite; 13 confirmed grains chalcopyrite; one grain arsenopyrite (no observed gold or sphalerite), tr.-minor ilmenite rutile; tr.-minor limonite, 30% sphene 60 - 70% non-ferrous epidote group; tr.-minor diopside.

A4-080 HN

Tr. spinel, 1 grain malachite, 2 grains molybdenite. 10% sulfides - mostly limonite coated or stained pyrite; tr. - minor chalcopyrite; tr. blue covellite coating pyrite, 1 grain malachite, 2 grains molybdenite; tr.-minor red rutile? or corundum?; several tremolite - actinolite; minor zircon; 5 - 10% metallic rutile - and ilmenite 10% sphene 70% non-ferrous epidote group; tr. white octahedral spinel? with some carbon inclusions.

200 MESH SAMPLES (BRIEF OBSERVATIONS)

A2

10% limonite coated sulfides; mostly pyrite some blue covellite? coating pyrite, tr. specular hematite, tr. malachite no gold or artificial showing observed.

A3

10% limonite coated sulfides; mostly pyrite tr. specular hematite; 3 tiny flakes grey soft substance possibly molybdenite(?), but less likely, native silver; or artificial metal? no gold.

A4

10 - 15% sulfides mainly limonite coated and stained pyrite; several flakes of molybdenite(?) as in A3; some blue covellite? stains on pyrite.

To: Chevron Standard Ltd.

REPORT No A28 - 146

PAGE No. 1

DATE: April 21, 1978

BONDAR-CLEGG & COMPANY LTD.

Minerals Staff
901 - 355 Burrard Street
Vancouver, B.C. V6C 2G8

RECEIVED
APR 24 1978
Minerals Staff
CHEVRON STANDARD LIMITED
VANCOUVER OFFICE

CERTIFICATE OF ASSAY

Samples submitted: April 20, 1978
Results completed: April 21, 1978
PROJECT: M467

I hereby certify that the following are the results of assays made by us upon the herein described ore samples.

MARKED	GOLD		SILVER								TOTAL VALUE PER TON (2000 LBS.)
	Ounces per Ton	Value per Ton	Ounces per Ton	Percent	Percent	Percent	Percent	Percent	Percent		
GL 78 - C1	0.005		0.17								

Registered Assayer, Province of British Columbia

We will be retyping
these notes.

A3-080HN

3-4% sulfides mostly limonite coated or stained
pyrite; +3 confirmed grains chalcopyrite; one
grain arsenopyrite (no observed gold or sphalerite);
tr-minor ilmenite rutile; tr-minor limonite
30% sphene 60-70% non ferrous epidote
group; tr-minor diopside

A2-080HN 5% limonitic and yellow stained
sulfides, mostly pyrite; ^{tr-} ^{confirmed} minor chalcopyrite; 2
grains azurite-malachite, ^{one} with traces of pitch limonite,
coating clinzoisite; two ^{fine} grains molybdenite coating
soft carbonate; at least two arsenopyrite grains,
in one case with limonite coating; 5 grains of
valuable ^{non ferrous} metals; one grain is light ^{metallic} grey, oxidized
black, partially soluble in conc nitric with a
distinct filing ^(cutting) shape; one silver white, soft and
very valuable, oxidized black and brassy colored on one
^{weathered} side, readily soluble in conc. nitric giving whitish and
greenish precipitate, original natural flat shape, very
weakly magnetic - thought to be native silver with
tr. dissolved Cu and maybe with tr. included ^{or secondary stain} magnetite;
one brassy yellow valuable metal with distinct cutting shape; soluble in conc acid - thought to be bronze brass;
A one brassy yellow long fragment, soluble in conc.
nitric giving a ^{minor} green precipitate; no distinct
natural or artificial markings probably a brass metal but
^{less likely} a natural silver with metallic Cu; one ^{small} bright white
metallic, non-magnetic mineral - very soft and valuable - soluble
in conc. nitric - thought to be fresh native silver; a few

grains of a dark grey^{to} black soft, micaceous
? material possibly molybdenite^{or weathered ilmenite?}; several grains of
tremolite-actinolite; 2-5% non-magnetic (crystalline)
ilmenite and rutile; 3% med. and dark green diopside;
tr zircon; 10-20% mostly fresh sphene; 70-80%
non-ferric epidote group (clinzoisite).

A4-080 HV ^{to stained} 1 grain malacite, 2 grains molybdenite,

10% sulfides - mostly limonite coated
or stained pyrite; tr-minor chalcopyrite, ^{tr blue covellite? coating pyrite} 1 grain
malacite, 2 grains molybdenite; tr-minor red
rutile? or corundum?; several tremolite-
actinolite; minor zircon; 5-10% metallic
rutile- and ilmenite 10% sphene 70% non-ferric
epidote group; tr white octahedral spinel?
with some carbon inclusions.

A2-035 HV - no visible Au ^{2 grains} ^{some} definite cpg
tr covellite on pyrite

A2-035 HV 2-3% sulfides mostly limonite coated
or stained pyrite; some tr-minor definite (fairly
fresh) chalcopyrite; tr covellite on pyrite; tr ^{-M₁N₀₇} tremolite-actinolite;
2% ilmenite-rutile; tr possible garnet?; 5-10%
sphene; 5-10% Mg pyroxene (dark green diopside); 80% non-
ferric epidote group (clinzoisite).

A3-035HN 2% sulfides - mostly limonite coated or stained pyrite; 3-4% ilmenite-rutile tr-minor tremolite-actinolite; tr. pos. garnet? (poor faces); 10-20% sphene; 80% non-ferric epidote group (clinzoisite).

A4-035HN 3-5% sulfides mostly limonite coated or stained pyrite but several commonly fresh grains chalcopyrite, ^{1 grain molybdenite} 3 grains azurite-malachite; 1 probable grain sphalerite (cubic change brown streak); several grains grey to black, metallic micaceous mineral, some is weakly magnetic and gives reddish streak; thought to be specular hematite rather than molybdenite; minor ^{green to white} tremolite-actinolite; tr-minor black spinel; 3-5% ilmenite-rutile; 10-20% sphene mostly altered to leucosene; minor diopside; 20% non-ferric epidote group (common weathered clinzoisite).

20 mesh samples (brief observations)

A2 10% limonite coated sulfides; mostly pyrite some blue covellite(?) coating pyrite, tr specular hematite, tr malachite no gold or artificial shining observed.

A3 10% limonite coated sulfides; mostly pyrite tr specular hematite; 3 ^{tiny} flakes grey soft substance possibly molybdenite(?), but less likely native silver?, or artificial metal? no gold

200mash continued

A4 10-15% sulfides mainly daumonite coated
and stained pyrite; several flakes of molybdenite (?) as
in A3; some blue covelite? stains on pyrite