

TROITSA PEAK Property (Alpine Exploration Corporation)

Property:

A total of 8 mineral claims totalling 140 claim units or a nominal area of 3,500 hectares (c. 8,650 acres), in a single contiguous block (see attached map).

Target:

High-grade epithermal precious metal lode deposits of Tertiary age in (Jurassic) Hazelton volcanics and sediments cut by a Tertiary hypabyssal rhyolite to andesite intrusive complex with some overlying flow rocks, or possibly large bulk-tonnage breccia hosted silver-gold deposits.

Owner:

Alpine Exploration Corporation holds the claims, three of which are under option from T.A. Richards, who retains a 5% net profits interest royalty.

Location and Access:

The property lies on and immediately south of Troitsa Peak (NTS 93E/11E), about 130 km south of Smithers. Present access is by helicopter, either from Smithers or from roadhead on the north shore of Tahtsa Lake, about 25 km from the claims.

Claim Data and Due Dates:

See Schedule A attached.

Work to Date:

Work on the claims has included several programs of soil and silt geochemistry, geological mapping, and extensive prospecting, by Union Carbide, Canamax and Alpine. Late in 1987, Alpine drilled 12 short diamond drill holes in the vicinity of one of the principal showings.

Results:

The basic property geology is well described in the attached prospectus report by C. Harivel. Reports on other phases of the work, including the recent drilling, are available for examination.

The mapping, prospecting and geochemical surveys have outlined several areas with strong precious metal anomalies, and numerous float and outcrop occurrences of good grade gold and silver mineralization in quartz veins and silicified breccias. To date, at least seven separate areas of float and in situ mineralization have been outlined, including the very large Cummins Creek system, which appears to be a coherent zone as much as 5 km long by perhaps 1 km wide, trending approximately east-west, within which are numerous veins and float trains suggesting veins at high angles to this trend. Some grabs of float material gave high assays, the best being 1.33 oz/ton Au and 298 oz/ton Ag.

The diamond drilling, in an area with good surface indications, was disappointing, in the sense that although the holes cut attractive silicification, assays were uniformly low. The holes were, however, in a relatively restricted area within one showing area.

The property is, in our opinion, extremely underexplored. Details of the results of work to date can be seen in numerous reports available from the owners.

Proposed Option Terms:

Alpine proposes an option agreement leading, after a series of payments and work commitments over several years, to a joint venture arrangement. See attached shedule B for details of the proposal.

Agent:

G.R. Peatfield has an agreement with Alpine to attempt to find a party to option the property. The property will be offered to several companies at the same time, and there is no exclusivity.

G.R. Peatfield.

G.R. Peatfield, P.Eng.

15 June, 1988

Schedule A - Claim Data, Troitsa Peak Property.

<u>Claim</u>	<u>Record #</u>	<u># Units</u>	<u>Expiry Date</u>
Troitsa 1	4329	16	21 Oct. 1990
Wind Tunnel	4362	16	13 Nov. 1992
P.S.	4364	20	13 Nov. 1992
Whitesail	4365	20	13 Nov. 1992
Cummins South	4561	16	22 Apr. 1993
Cummins North	4570	16	22 Apr. 1993
Jesse	4571	16	22 Apr. 1993
TAR	8559	20	27 July 1988

Note: There is some existing assessment work unfiled.

Schedule B - Proposed Option Terms - Troitsa Peak Property

Payments:

on signing - \$40,000  
1st anniv. - 50,000  
2nd anniv. - 60,000  
3rd anniv. - 60,000  
4th anniv. - 60,000  
and each anniv.  
until exercise - 60,000

Exercise Price:

\$500,000 for 51%  
(replaces any remaining cash payments.)  
(total work at exercise for 51% must exceed \$900,000.)

Minimum Work Commitments (Cumulative):

to 1st anniv. - \$150,000  
to 2nd anniv. - 350,000  
to 3rd anniv. - 650,000  
to 4th anniv. - 900,000  
(work defined as expenditure fileable for assessment.)  
(must expend minimum \$100,000 in each year.)

Right to Earn 70%:

\$2,000,000 additional work over 2 years  
cash payments of \$150,000 per year

Upon fulfillment of the above terms, there would be a 70/30 joint venture, with standard j.v. provisions. Alpine could choose (one time election) to participate or retain a 5% n.s.r. royalty interest, of which 2.5% would be buyable for \$2,000,000.

If Alpine elects to take the n.s.r. royalty, there would be advance royalties of \$75,000 per year from the exercise date until commercial production; such advance royalties recoupable from up to one-half of the royalty payable in any year.

Obligations:

- 1) Maintain claims for one year after option dropped
- 2) File all work for assessment credit
- 3) Area of interest clause (3 km)
- 4) Normal undertakings

Appendix A - Selected Anomalous Assays - Troitsa Property

Blitz Creek (Flare) Showing:

(silica, pyrite, arsenopyrite)

<u>Sample</u>	<u>Au (o/t)</u>	<u>Ag (o/t)</u>
best grab (float) 1982	0.044	3.63
best grab	0.30	low

<u>Sample</u>	<u>Au (ppb)</u>	<u>Ag (ppm)</u>
better grab (1983) 5 m silic, pyrite	200	7.2
better grab (1983) 5 m silic, pyrite	740	4.2

Blitz Knob Showing:

(pyrite, marcasite, stibnite, arsenopyrite, quartz)

<u>Sample</u>	<u>Au (ppb)</u>	<u>Ag (ppm)</u>
float, sugary quartz	1,400	658
float, sugary quartz	330	21
silicified quartz breccia	3,200	7.2

<u>Sample</u>	<u>Au (o/t)</u>	<u>Ag (o/t)</u>
silica stringer (width unstated)	0.494	-

Chalco Creek (Suratt) Showing:

polymetallic sulphide/silica veins (tension gashes?), with Au - 160 to 305 ppb, Ag - 27 to 298 ppm.

Cummins Creek Showings:

(numerous quartz veins with pyrite, galena, acanthite, pyrargyrite)

<u>Sample</u>	<u>Au (o/t)</u>	<u>Ag (o/t)</u>
float quartz boulder	1.34	293.
grabs from veins	to 0.33	to 64.9
grab from quartz vein	0.127	76.1
grabs from quartz veins	to 0.097	to 31.

<u>Sample</u>	<u>Au (ppb)</u>	<u>Ag (ppm)</u>
numerous quartz grabs	to 7,600	to 1,540

Appendix A - Continued

Discovery Showing:

(moraine boulders of silicified breccia with sulphides)

<u>Sample</u>	<u>Au (ppb)</u>	<u>Ag (ppm)</u>
casual grab	-	+ 100
casual grabs	to 750	to 45

Morraine Showing:

(shear - quartz vein - silica zone, + 1,000 m)  
(galena, sphalerite, chalcopryrite, pyrite)

<u>Sample</u>	<u>Au (o/t)</u>	<u>Ag (o/t)</u>
mineralized grab	1.065	24.6
grab	0.286	3.17
1m channel sample	0.114	3.55

<u>Sample</u>	<u>Au (ppb)</u>	<u>Ag (ppm)</u>
grab	2,040	-
grab	1,580	-
grab	7,230	-
grab	2,170	-

Wolverine Showing:

(silicified and altered zone)

<u>Sample</u>	<u>Au (o/t)</u>	<u>Ag (o/t)</u>
avg. of 5 two-metre channels	0.022	0.21

<u>Sample</u>	<u>Au (ppb)</u>
several later samples in trenches, avg.	232

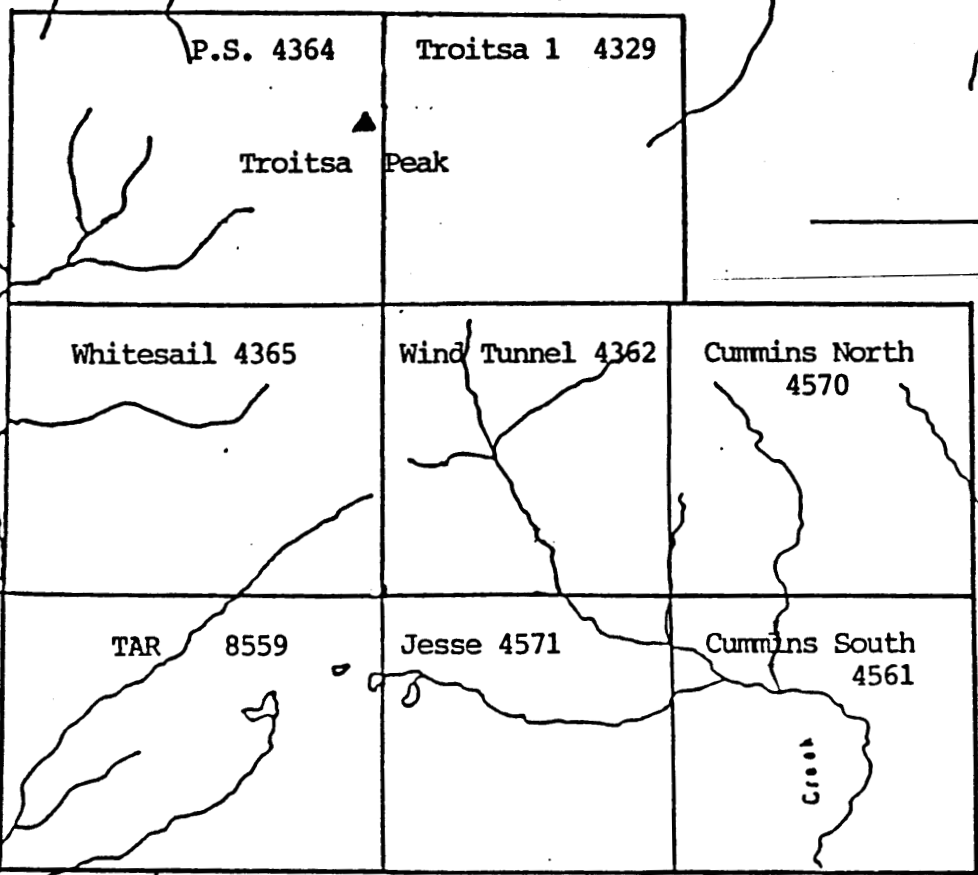
Zinc Creek (Suratt) Showing:

(narrow quartz-polymetallic veins)

<u>Sample</u>	<u>Au (o/t)</u>	<u>Ag (o/t)</u>
grab from 10cm barite-calcite vein	1.36	0.33
grab from 10cm chalcopryrite-quartz vein	low	65.14
grab from 10cm chalcopryrite-quartz vein	low	78.64
rock grab, 1.2% As	0.068	low

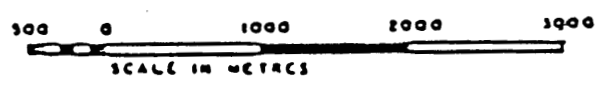
<u>Sample</u>	<u>Au (ppb)</u>
grab from argillic fractures	2,200

AFTER: CAWTHORN & JAMIESON, 1982



113° 35'

127° 00'

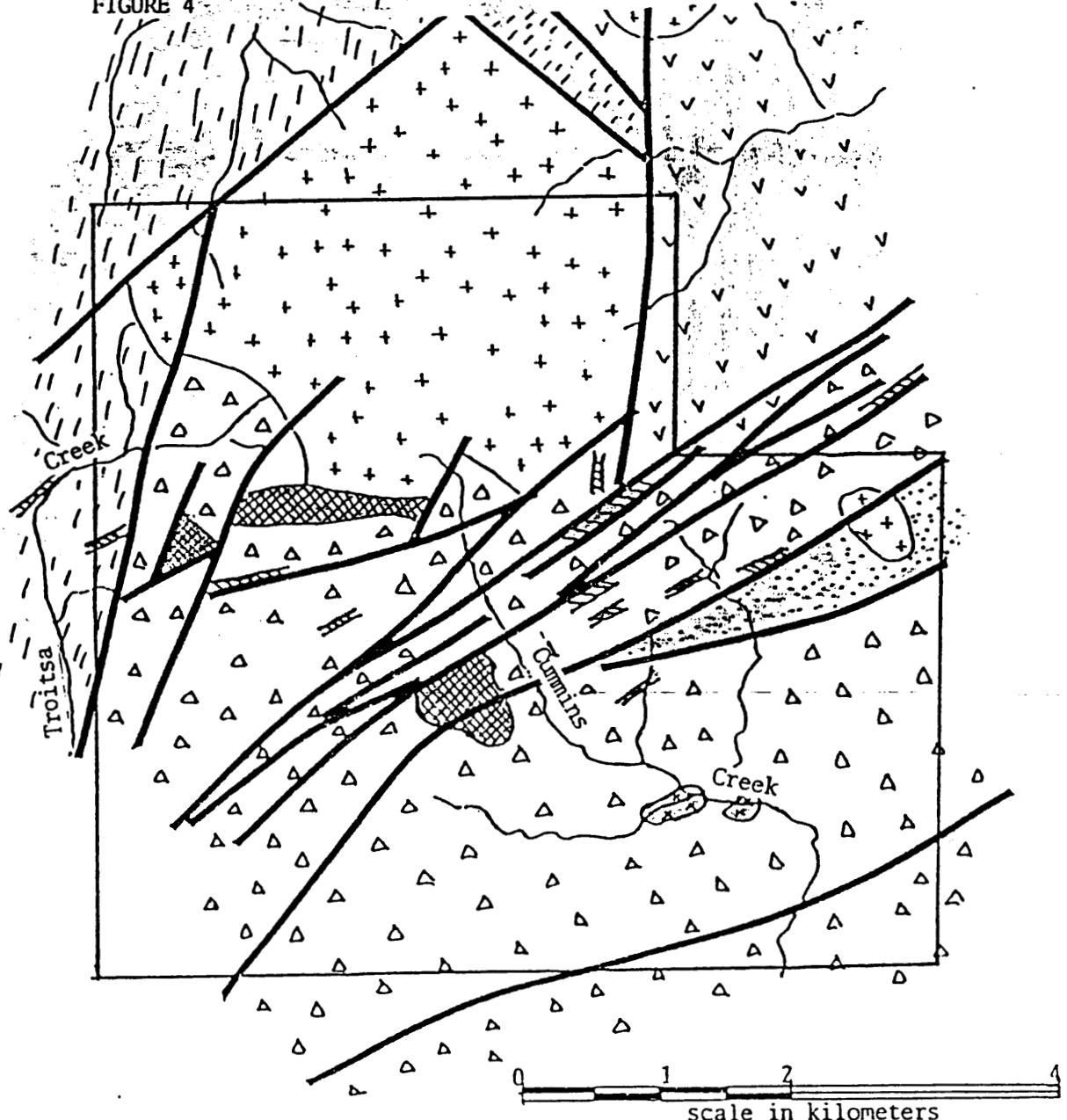


TROITSA PEAK CLAIMS  
WHITESAIL RANGE, B.C.  
LOCATION MAP



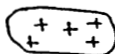

FIG. 2

General Geology of the Troitsa Peak  
Mineral Claims



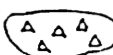
FIGURE 4



EARLY TERTIARY

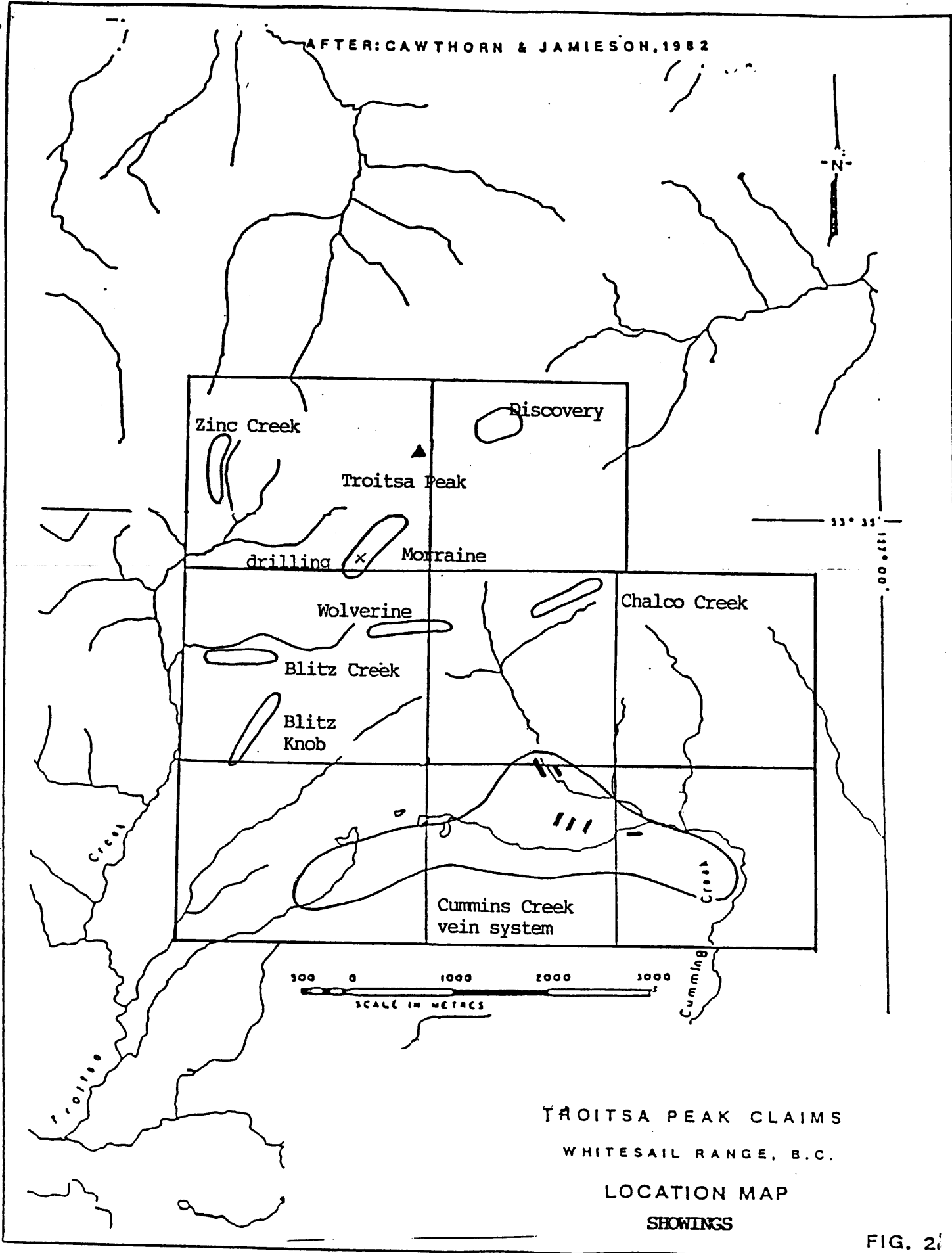
-  felsite, aplite, quartz porphyry
-  diabase, /granite
-  hypabyssal rhyolite to andesite intrusive complex
-  rhyolite to andesite volcanics

LOWER and MIDDLE JURASSIC

-  marine sandstone, siltstone and shale
-  marine acidic volcanics, volcaniclastic sediments, shale and siltstone
-  subareal lapilli tuffs, breccias and rhyolite to andesite flows



AFTER: CAWTHORN & JAMIESON, 1982



TROITSA PEAK CLAIMS  
WHITESAIL RANGE, B.C.  
LOCATION MAP  
SHOWINGS

FIG. 2