

PROPERTY NAME: Vent

NTS: 82E/12W

OWNER: Murray Morrison
684 Balsam
Kelowna, B.C.
phone: 764-4073

LAT: 49° 33'
LONG: 119° 52'

CLAIMS: Vent 1-6 (42 units)

LOCATION AND ACCESS: The Vent claims are located about 15 kilometres west of Summerland, on Riddle Creek. Access to the property is via the Agur Lake road which heads south from the Isintok Creek road about 12 kilometres west of Summerland.

SUMMARY OF FIELD VISIT: The Vent property is situated within a Tertiary volcanic outlier located about 15 kilometres southwest of Summerland. Previously, the ground was held by British Newfoundland Exploration Ltd. as the Agur-Ash property. Exploration at this time was for uranium and thorium. Church (1982) and Leighton (1979) describe the previous work and potential of the property for uranium and thorium. Recently, the Vent claims were staked to cover a large epithermal alteration zone exposed in outcrop and subcrop on the property.

The Vent claims are underlain predominantly by trachytes and andesites of the Marron Formation, as shown on the attached map. Locally these volcanics are intruded by dykes or stocks of Coryell syenite. During previous exploration on the claims a number of prominent N-S trending lineaments were tested by drilling, revealing a wide (45+ feet) zone of pyritiferous clay. A large "breccia pipe" is also reported to occur on the property. In outcrop, the system is typified by rusty, strongly clay altered, bleached Marron volcanics. Locally, the volcanics are silicified and cut by minor chalcedonic stringers. Minor fluorite is also present locally.

Alteration is exposed over an area exceeding 1 km x 500 m. At least 5 recent drill pads (percussion?) were seen during the field examination of the property. Information from this drill program has not been obtained.

The Riddle Creek drainage was covered by the Discovery Heavy Mineral sampling program, as shown on the attached figure. Riddle Creek is not anomalous in any of the elements analyzed for.

SAMPLE DESCRIPTIONS AND RESULTS:

		Au ppb	Ag ppm
BCS 16676	subcrop of purple felsic flow? from N end of property (N of creek)	22	2.0
BCS 16677	rusty buff gouge - same loc'n as above	1	1.2
BCS 16678	rusty, bleached volcs, minor fluorite at same loc'n as above	6	1.2
BCS 16679	rusty, clay alt'd volcs from l. slash on S side of creek	2	0.5
BCS 16680	subcrop of rusty, bleached volcs. Main road through l. slash on S side of creek	1	0.6
BCS 16681	bx, silic volcs, minor chalc stringer from ridge near recent perc drill hole on S side of creek	1	0.5
BCS 16682	same as 16681	3	0.3

RECOMMENDATIONS: No significant results were obtained from surface samples of alteration on the Vent property. Although the system is large, alteration is weak compared to other available epithermal systems (ie. Tam O'Shanter). Recent drill information should be obtained and reviewed, but unless encouraging, further work on the Vent claims is not recommended.

REFERENCES:

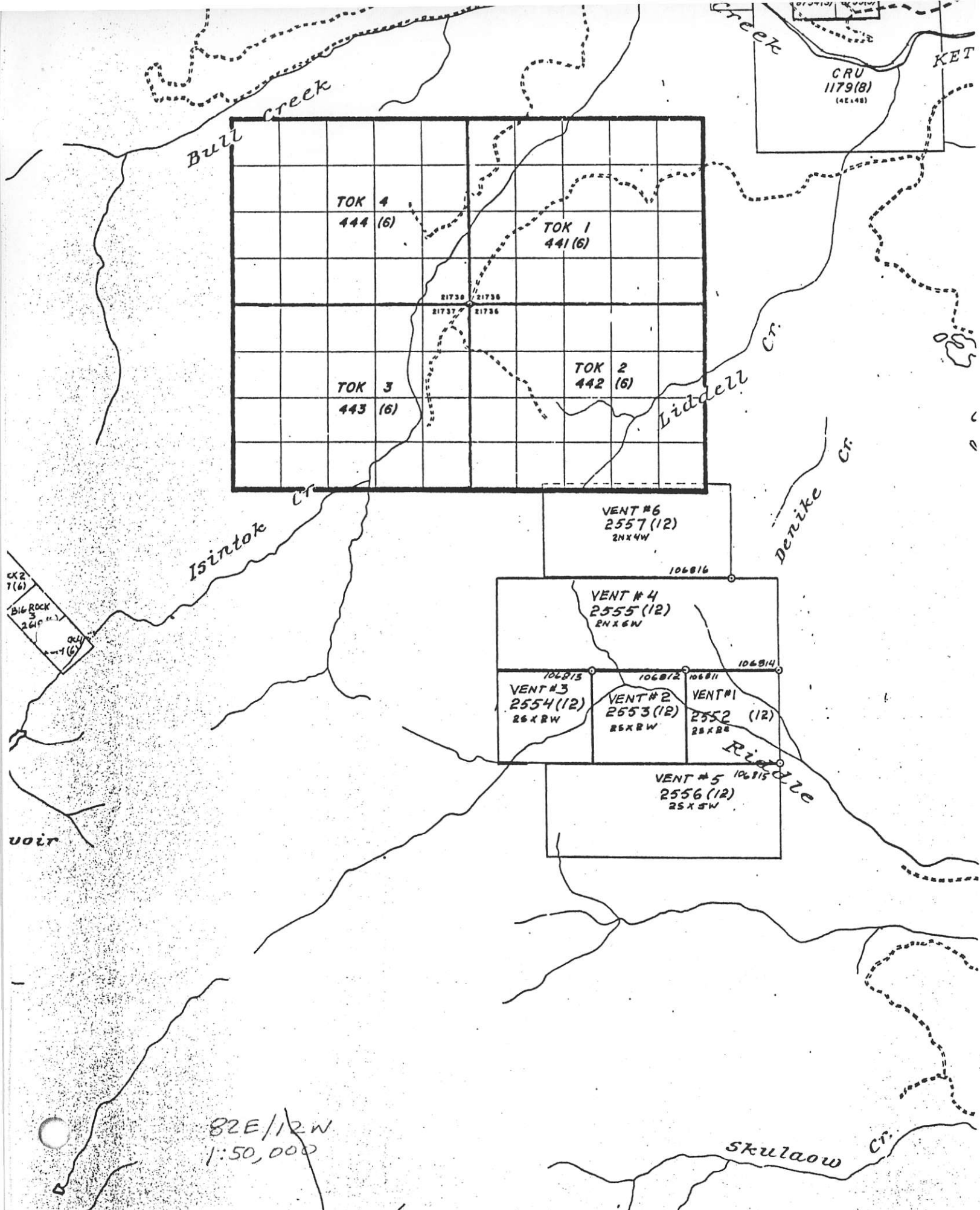
Church, B.N., 1982. The Riddle Creek Uranium-Thorium Prospect, BCDM Paper 1982-1, p. 17-22.

Leighton, D., 1979. Drilling Report on the Ash 1-3 Mineral Claim, Assessment Report 7362.

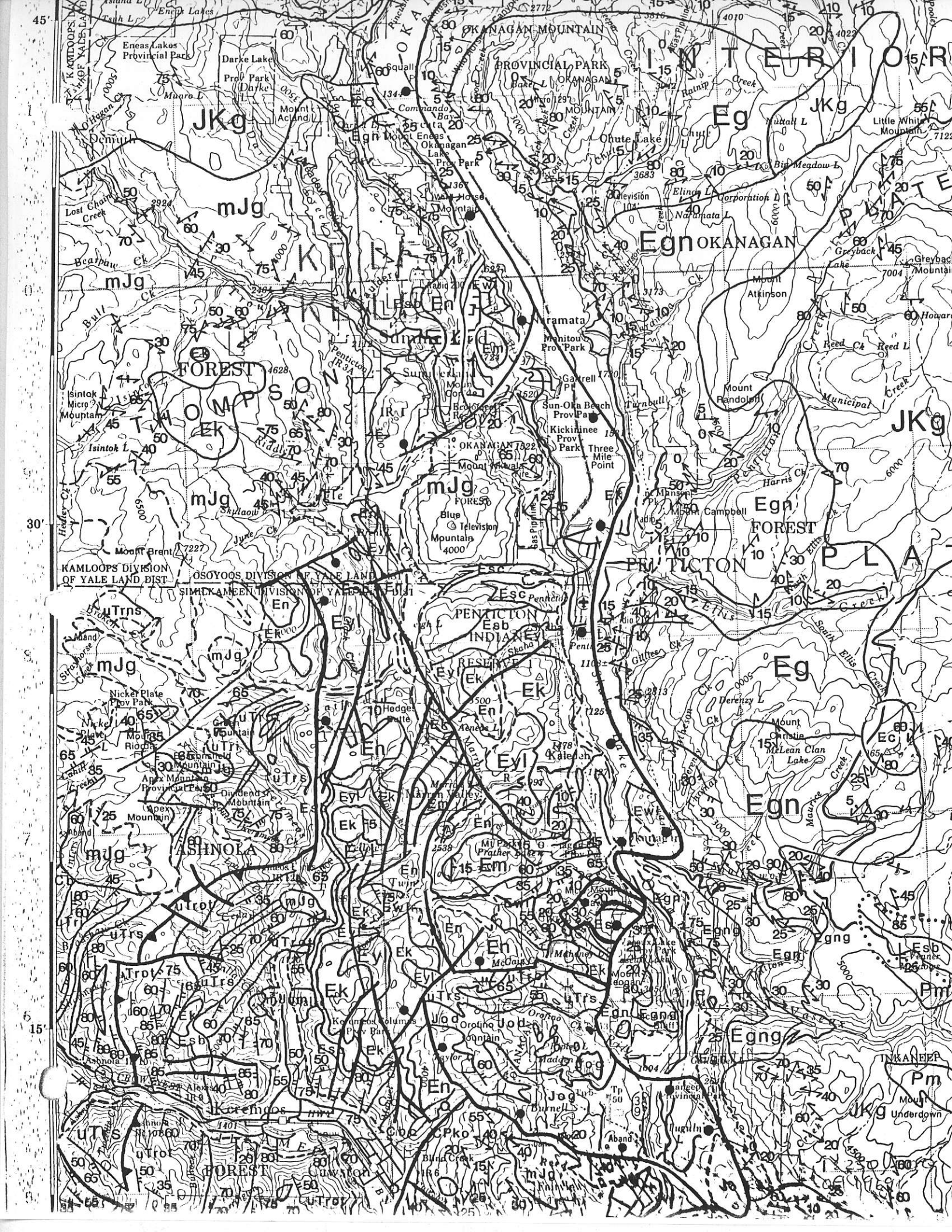
L. Lee

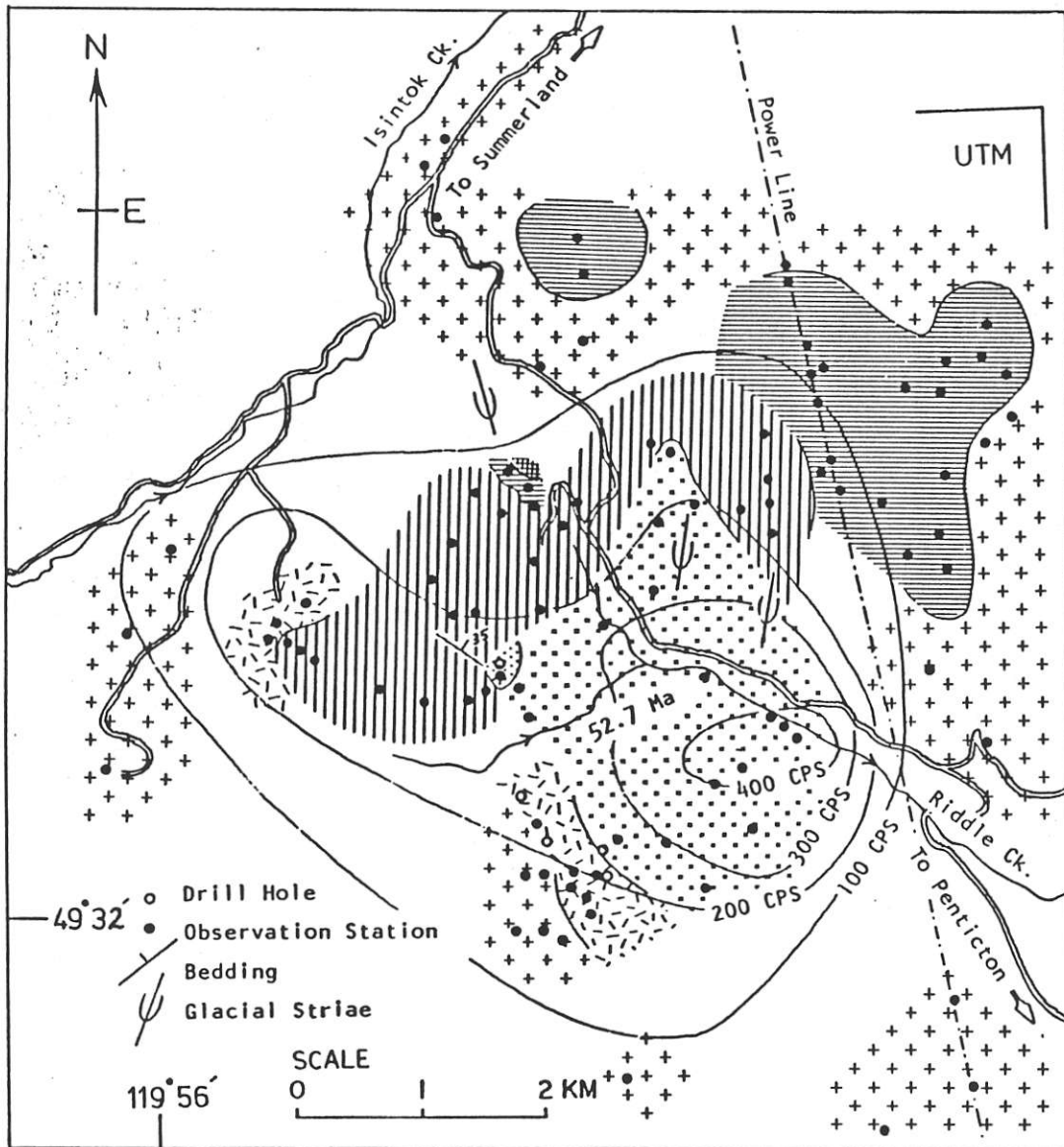
L. Lee
October, 1989

C



TO SOUTH SEE MAP 82 E / 5 W





LEGEND








BEDDED ROCKS	IGNEOUS INTRUSIONS
MARRON FORMATION (Eocene)	CORYELL INTRUSIONS (Eocene)
 Trachyte lava and breccia	 Syenite and monzonite
 Ash flow and conglomerate beds	
 Mafic phonolite lava, breccia	
 Andesite lava and breccia	
SPRINGBROOK FORMATION ?	
 Polymictic conglomerate	
	BASEMENT ROCKS
	 Mostly granitoid bodies

Figure 1. Geology of the Riddle Creek radioactive volcanic centre.

SUMMERLAND

VENT debris area

HM samples,

$\mu\text{gm Au}$ normalized
to 10 kg of -20 mesh

Young
Brent

NORTH
RESERVE

NICKEL
PLATE
LAKE

PARC

* Apex
Mountain

DISCOVERY Consultants

MINNOVA INC.

SOUTH OKANAGAN PROJECT

Au (μgm)

HEAVY MINERAL SAMPLING

Date	August 27, 1987	Scale	1:100,000
Project	280	NTS	837/NG, 837/AV 837/SR, 837/BL
Figure		Mining Division	280/001 280/002