

DATE: May 19, 1987
TO: A.J. Davidson
COPIES TO: D.H. Watkins, I.D. Pirie
FROM: G. Wells / M.J. Gray
SUBJECT: Canamera Drill Proposal

Summary

A six hole (890m) diamond drill programme is proposed for the Canamera Option. The proposed holes will primarily test two target horizons; i) Abermins' Coronation Zone Horizon (east strike equivalent), ii) the New South Horizon (part of the Lenora-Tyee mine horizon). Holes are directed specifically at IP chargeability highs, moderate Cu and Zn soil geochem anomalies, lithochemical Na₂O depletion/Ba-K₂O enrichment anomalies and weak VLF conductors.

Geology

The Canamera Option (6 units) is underlain by E-W striking Myra (+/- Nitinat) felsic-mafic volcanic tuffs, and minor siliceous tuff, chert and argillite. Cretaceous Nanaimo Group sediments are in fault (thrust?) contact along the southern portion of the property.

Mineralization on the property includes sphalerite-pyrite and pyrite-chalcopyrite stringers which provide excellent drill targets. In addition, narrow barite-quartz veins occur at a rhyolite-andesite contact.

Structure

The axis of the "Mt. Sicker Anticline" appears to cross the Chemainus River onto the Canamera Option as evidenced by shallow dips/ and M-type folds documented by G. Benvenuto and H. Gibson. The south limb appears to be overturned and dip steeply to the north -possibly as a result of dragging proximal to a thrust fault, therefore tops are down. The north limb appears to dip to the north, therefore tops are up.

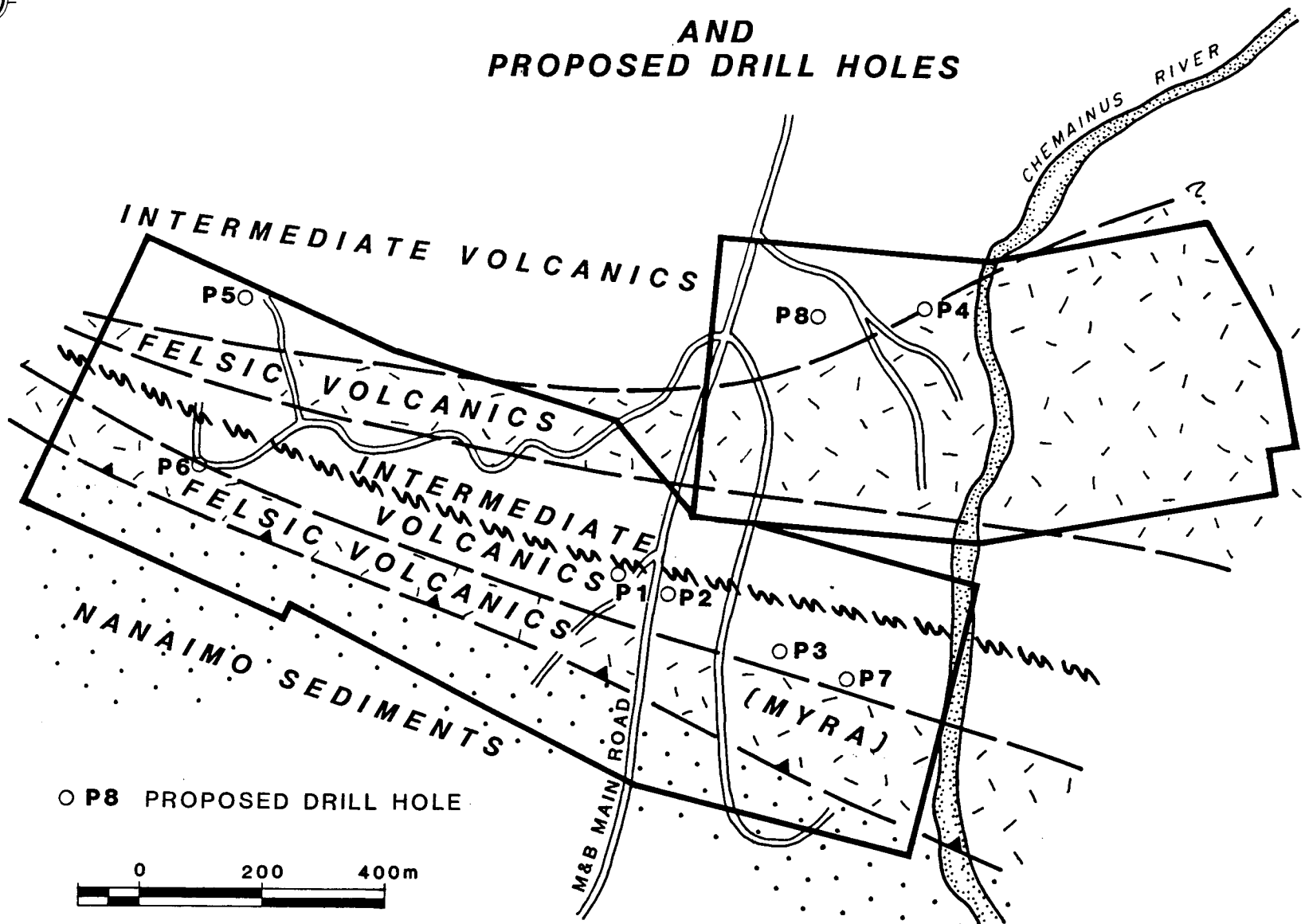
A number of faults transect the property including a major fault zone (axial planar), and a fault bounded wedge of Nanaimo Group sediments in Myra volcanics.

1987 CANAMERA DRILL PROPOSAL

<u>Hole No.</u>	<u>Length</u>	<u>Dip</u>	<u>Azimuth</u>	<u>Easting</u>	<u>Northing</u>	<u>Cost</u>	<u>PN</u>	<u>Comments</u>
P-1	75m	-45	210	6+00W	1+00N	\$ 6,800	326	Deepening hole 86-5 (P1) will test the mine package - argillite and Zn stringer mineralization of 85-3 200m along strike to the south.
P-2	200m	-45	210	5+00W	1+12N	\$18,000	326	P2 will test strong Cu (2342 ppm) and moderate Zn (652 ppm) anomalies and a weak E-W VLF conductor (probably the slice of Nanaimo seen in 86-5. P2 is located to intersect the Mine Package - argillite as above and will be stopped at the Myra-Nanaimo Group contact.
P-3	160m	-45	210	3+07W	3+17S	\$14,400	326	P3 will test a weak E-W VLF conductor, moderate soil geochem anomalies (1416 ppm Cu & 378 Zn), and a strong Na depletion/weak Ba/ & K ₂ O enrichment anomaly. P3 is located to intersect the mine package approx. 50m south of hole 85-3, and will be stopped at the Myra-Nanaimo Group contact.
P4	175m	-45	205	1+00W	1+00N	\$15,800	326	P4 will test two weak VLF conductors, a broad mag high, and the stratigraphy above a significant py - minor cpy stringer zone. P4 is located 100m NW of a stringer zone exposed in old workings near the Chemainus River.

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P-5	170m	-45	210	10+68W	2+44N	\$15,000	326	P5 will test a strong charge-ability high/weak resistivity low, weak Cu & Zn soil geochem anomalies and the stratigraphy above a stronger py ± cpy (.5%) zone seen at contacts. P5 is located north of the stringers, will be drilled to the south, and be ended at the CT1 trench fault.
P-6	110m	-45	210	10+95W	0+10S	\$ 9,900	326	P6 will test the stratigraphy that could be equivalent to Abermin's Coronation Zone Horizon. Due to lack of outcrop there is a possibility the Nanaimo Group sediments underlie this section.
P-7	115m	-45	210	1+78W	4+08S	\$10,400	326	P7 is contingent on the results of P1 through P3. P7 will test a weak VLF conductor (argillite?) and the mine package approx. 250m SE of 85-3, and 175m from the Chemainus River.
P-8	100m	-45	210	2+95W	0+60N	\$ 9,000	326	P8 is contingent on the results of P4. P8 will test a weak E-W VLF conductor.

CANAMERA OPTION GENERALIZED GEOLOGY AND PROPOSED DRILL HOLES



○ P8 PROPOSED DRILL HOLE

