MIN	INOVA	File NTS	820404 MEMORANDUM
DATE: À TO: COPIES À COPIES TO:	June 14, 1989 I. Pirie		
DE FROM:	A. Davidson, File	$\mathbf{\Theta}$	
SWET SUBJECT:	C. Burge Property Exam: Soo River, Whistler Area	92J/2	

INTRODUCTION:

The Soo River claims consist of 46 units staked by John Kozij, a prospector from Penticton. The claims are located one major drainage to the north of Callaghan Creek and the Northair mine. The Northair mine produced 500T tons of .46 opt Au and 7% combined lead-zinc. The property is located about 15 km NE of Northair and separated from the mine stratigraphy by Coast Range plutonic rocks. Although the Northair deposit is a polymetallic vein deposit the geologic setting suggests good potential for volcanogenic massive sulphides.

LOCATION, ACCESS AND PHYSIOGRAPHY:

The property is easily accessible and is reached by taking good condition logging roads for 6 km turning west off Hwy 99 about 10 minutes north of Whistler. The showings are located on the south side of the Soo River valley, a relatively wide valley with a very large swamp at its base. The claims have been logged and logging roads are good everywhere.

GEOLOGY:

The property is underlain by mafic intrusives, mafic volcanics, cherts and argillites, part of a NNW trending pendant that includes the rusty sericitic rocks exposed in the Whistler townsite. The volcanics I saw develop a very strong steeply dipping NNW fabric when mineralized and altered. There is a thick sequence of argillite and pyritic cherts on the property. No felsic volcanics were observed during my brief visit. Quartz diorites exist on both the eastern and western property boundaries.

MINERALIZATION:

At Trench 1 and 2 John Kozij has recently exposed mafic to intermediate volcanics with moderate chlorite/sericite alteration and containing up to 15% sulphides(SR-89-1,2,3). The sulphides are fine grain and disseminated consisting of pyrite and galena and minor chalcopyrite. There are occasional quartz veinlets sometimes carrying mineralization.

The third exposure was on the main logging road where a diorite has developed a number of narrow (less than 10 cm pyrite/chalcopyrite veins.(SR-89-005)

There is a chert unit on the property with abundant pyrite (5%) and minor chalcopyrite occurring as fine laminae and in disseminations.(SR-89-004)

CONCLUSIONS:

The volcanic rocks sampled are of intermediate chemistry and are highly anomalous in zinc, lead, marium and gold. The mineralization exposed to date is disseminated in nature and no bedded rocks accompany the trenched zones.

Although this property is well located and the potential for volcanogenic massive sulphide appears to be good, no immediate drill targets exist on the ground. The fact that no deposits exist in the pendant ,to date, increases the risk. The property requires a thorough mapping and litho program combined with IP or a DEEPEM survey to generate targets.

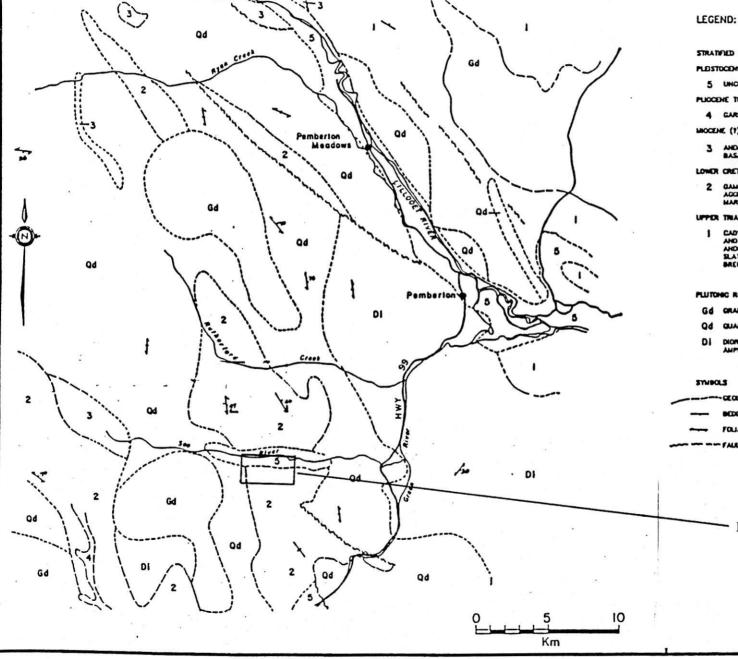
RECOMMENDATIONS:

1. Overlay Kozij's ground with regional geology map and establish trench location with respect to the granites.

2. Rio Algom have a large claim block on the north side of the river. Assessment reports should be examined.

3. Area to be incorporated in any future coast pendant recce program

4. Watch for future opportunities.



STRATIFIED AND HIGH-LEVEL PLUTONIC ROCKS

PLEISTOCOME AND RECENT

5 UNCONSOLIDATED ALLUMAL FLUMAL AND GLACIAL DEPOSITS

9

PLICODIE TO RECENT

4 GARBALDI GROUP: OLIVINE BASALT FLOWS OF PLEISTOCENE ACE

MOCENE (1) AND OLDER (1)

ANDESITIC TO BASALTIC FLOWS AND BRECOLA MANOR DALITE: BASALT FLOWS WITH INTERBEDDED CONCLONERATE AND SUITSTONE

LOWER CRETACEOUS

2 CALINER GROUP: ANDESTIC TO DACITIC TUFF, INFECCIA, ACCLONIDIATE: ANDESTIC, ARCULLITE, CONCLONIDIATE, LESSER MARKER, GREENSTONE, AND PHYLLITE

UPPER TRIASSIC

CADWALLADER OROUP (UNDIVOED, INCLUDES HURLEY, MONEDR AND MOLL STRATA, MAY INCLUDE OLDER AND YOUNGER ROCKS); ANDESITIC BRECOLA, TUFF, AND FLOWS, GREDISTON; LESSER SLATE ARGILITE PHYLLITE CONGLONDRATE UNESTONE ANYOU TO BRECOLA AND FLOWS

PLUTONIC ROCKS (MOSTLY OF UNKNOWN ACE)

GO GRANODIONITE

Od QUARTZ DIORITE

DIORITE: DIORITIC COMPLEXES CONTAINING DIORITE, QUARTE DIORITE, AMPHIBOLITE, CREENSTONE, AND DYKE SWAAMS

GEOLOGICAL BOUNDARY (DEFINED, APPROXIMATE, ASSUMED)

PROPERTY

BEDONG (HORIZONTAL, INCLINED, VERTICAL)

FOLIATION, SCHISTOSITY (STRIKE AND DIP)

---- FALLY (DEPTHED, APPROXIMATE, ASSUMED)

KOCIJ

OMPANY: MINNOVA I	NC.			MIN-E	N LABS I	CP REPORT				(ACT:	F26) PAGE	1 OF 2
ROJECT NO: 614			705 WEST	15TH ST.,	NORTH V	ANCOUVER,	B.C. V7M	172		FILE NO:	9/V/0494/F	R/L/001
TTENTION: COLIN B	URGE			(604)980-	5814 OR	(604)988-4	524	I TYPE	LITHO GEO	CHEM 🗱 👘	DATE: 06-2	20-1999
(VALUES IN %).	AL203	BAT	CAO	FE203	K20	NGD	HNO2	NAZO	P205	SI02	1102	Ŝ
R89-001	13.68	.118	.16	5.59	4.71	3.98	.26	.41	,01	65.65	.51	.73
R89-002	18.41	.171	.01	6.04	6.31	3.26	. 41	2.21	.02	58.31	.62	.82
R89-003	16.36	.133	.01	5.07	7.84	3.08	.64	.50	.01	61.01	.55	1.50
R89-004	14.88	.040	3.81	5.78	1.00	1.30	.06	4.01	.01	64.97	. 43	2.64
R87-005	17.31	.165	.01	27.37	4.23	5.72	.41	.01	. 31	28.48	.73	7.10
	NOJECT NO: 614 TENTION: COLIN E VALUES IN X J. R09-001 R09-002 R09-003 R09-004	TENTION: COLIN BURGE VALUES IN X AL203 R89-001 13.68 R89-002 18.41 R89-003 16.36 R89-004 14.88	ROJECT ND: 614 TENTION: COLIN BURGE VALUES IN Z AL203 BAT R89-001 13.68 .118 R89-002 18.41 .171 R89-003 16.36 .133 R89-004 14.88 .040	ROJECT ND: 614 705 WEST TENTION: COLIN BURGE VALUES IN Z AL203 BAT CAD R89-001 13.68 .118 .16 R89-002 18.41 .171 .01 R89-003 16.36 .133 .01 R89-004 14.88 .040 3.81	ROJECT ND: 614 705 WEST 15TH ST., (604)980- VALUES IN X J. AL203 BAT CAO FE203 R89-001 13.68 .118 .16 5.59 R89-002 18.41 .171 .01 6.04 889-003 16.36 .133 .01 5.07 889-004 14.88 .040 3.81 5.78	ROJECT NO: 614 705 WEST 15TH ST., NORTH V TENTION: COLIN BURGE (604) 980-5814 OR VALUES IN X J. AL203 BAT CAO FE2D3 K20 R89-001 13.68 118 .16 5.59 4.71 R89-002 18.41 .171 .01 6.04 6.31 R89-003 16.36 .133 .01 5.07 9.84 R89-004 14.88 .040 3.81 5.78 1.00	ROJECT NO: 614 705 WEST 15TH ST., NORTH VANCOUVER, (604)980-5814 OR (604)988-4 VALUES IN X J. AL203 BAT CAD FE203 K20 M6D VALUES IN X J. AL203 BAT CAD FE203 K20 M6D R89-001 13.68 118 .16 5.59 4.71 3.98 R89-002 18.41 .171 .01 6.04 6.31 3.26 R89-003 16.36 .133 .01 5.07 9.84 3.08 R89-004 14.88 .040 3.81 5.78 1.00 1.30	R0JECT N0: 614 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1 TENTION: COLIN BURGE (604)980-5814 DR (604)988-4524 VALUES IN Z J. AL203 BAT CAO FE2D3 K20 N6D NN02 R89-001 13.68 .118 .16 5.59 4.71 3.98 .26 R89-002 18.41 .171 .01 6.04 6.31 3.26 .41 R89-003 16.36 .133 .01 5.07 9.84 3.08 .64 R89-004 14.88 .040 3.81 5.78 1.00 1.30 .06	R0JECT N0: 614 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1TZ TENTION: COLIN BURGE (604) 980-5814 OR (604) 988-4524 \$ TYPE VALUES IN Z) AL203 BAT CAD FE2D3 K2O M6D MN02 NA20 R89-001 13.68 .118 .16 5.59 4.71 3.98 .26 .41 R89-002 18.41 .191 .01 6.04 6.31 3.26 .41 2.21 R89-003 16.36 .133 .01 5.07 9.84 3.08 .64 .50 R89-004 14.88 .040 3.81 5.78 1.00 1.30 .06 4.01	R0JECT N0: 614 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7N 1T2 TENTION: COLIN BURGE (604) 780-5814 DR (604) 788-4524 1 TYFE LITHO GEO VALUES IN 2 J. AL203 BAT CAO FE2D3 K20 M6D MN02 NA20 P205 R89-001 13.68 118 .16 5.59 4.71 3.98 .26 .41 .01 R89-002 18.41 .191 .01 6.04 6.31 3.26 .41 .02 R89-003 16.36 .133 .01 5.07 9.84 3.08 .64 .50 .01 R89-004 14.88 .040 3.81 5.78 1.00 1.30 .06 4.01 .01	R0JECT N0: 614 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 FILE N0: TENTION: COLIN BURGE (604) 980-5814 OR (604) 988-4524 \$ TYPE LITHO GEOCHEM \$ VALUES IN 2 J. AL203 BAT CAO FE203 K20 N60 N02 NA20 P205 S102 R89-001 13.68 .118 .16 5.59 4.71 3.98 .26 .41 .01 65.65 R89-002 18.41 .171 .01 6.04 6.31 3.26 .41 .02 58.31 R89-003 16.36 .133 .01 5.07 9.84 3.08 .64 .50 .01 61.01 R89-004 14.88 .040 3.81 5.78 1.00 1.30 .06 4.01 .01 64.97	R0JECT N0: 614 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7N 1T2 FILE N0: 9/V/0494/F TENTION: COLIN BURGE (604)980-5814 DR (604)988-4524 1 TYPE LITHO GEOCHEM 1 DATE: 06-2 VALUES IN 2 /. AL203 BAT CAO FE2D3 K20 M60 HN02 NA20 P205 S102 1102 VALUES IN 2 /. AL203 BAT CAO FE2D3 K20 M60 HN02 NA20 P205 S102 1102 R89-001 13.68 .118 .16 5.59 4.71 3.98 .26 .41 .01 65.65 .51 R89-002 18.41 .171 .01 6.04 6.31 3.26 .41 .02 58.31 .62 R89-003 16.36 .133 .01 5.07 9.84 3.09 .64 .50 .01 61.01 .55 R89-004 14.88 .040 3.81 5.78 1.00 1.30 .06 4.01 .01 64.97 .43

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ъ.	PROJECT NO: 614			705 WEST	15TH ST.	, NORTH	VANCOUVER,	B.C. V7M	112	FILE ND: 9/V/0474/R/J/001
н. 1947 — П	ATTENTION: COLIN BL	JRGE			(604)980	-5814 DR	(604)988-	4524	‡ TYPE	ROCK GEDCHEM # DATE: 06-20-1989
	(VALUES IN PPM)	AG	AS	BA	CU	PB	58	ZN	AU-PFB	
\sim	SR89-001	7.2	29	310	701	6423	11	7006	820	
)	SR89-002	5.3	25	543	79	401	4	451	120	
	SR89-003	2.8	31	112	67	197	3	332	30	
	SR89-004	.6	24	73	13	52	1	58	5	
· .	SR89-005	56.1	99	170	52476	177	69	292	160	

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•	COMPANY: MINNOVA Project ND: 614	INC.	MIN-EN LABS ICP REPORT 705 West 15th St., North Vancouver. B.C. V7M 1T2	(ACT:F25) FAGE 2 OF 2 FILE NO: 9/V/0494/R/L/001
	ATTENTION: COLIN		•	TYPE LITHO GEOCHEM & DATE: 06-20-1787
	(VALUES IN X) SR89-001	<u>TOT(X)</u> 95.80		
)	SR89-002	96.59		· · · · · · · · · · · · · · · · · · ·
	SR89-003	98.68		
. •	SR89-004	98.92		
	SR89-005	93.82		

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