

NORTHWEST GEOLOGICAL CONSULTING LTD.TAS PROPERTYNTS 93K/16

Cu-Au porphyry in U. Jurassic Omineca intrusions within U. Triassic Takla Gp.

CLAIMS: Tas 1-5 mineral claims, 50 units, 1250 hectares, 3089 acres.

INTRODUCTION

The Tas Property covers a recently discovered Cu-Au porphyry showing in Jurassic intrusive and Upper Triassic to Jurassic Takla Group host rocks. The showing is of the the alkalic Cu-Au porphyry type. Noranda Exploration examined the property in 1984 and carried out a limited soil and rock sampling program. This work has outlined several east-west trending open-ended copper anomalies. Within these anomalies four soils range from 30 to 220 PPB Au. Grid geochemistry covers an area of 35 hectares or less than 3% of the total area of the property. Visible gold was recently discovered in hand specimens of a late quartz-carbonate alteration phase of the intrusions. A value of 60 PPB Au and 220 PPM Cu was obtained from the area which contains visible gold.

The owner's are seeking an optionee to conduct an exploration program on the property.

LOCATION AND ACCESS

The Tas claims are located 51 km north of Fort St. James, B.C. The property is easily accessible by motor vehicle from Ft. St. James via the "North Road". A secondary logging road passes through the property in an east-west direction.

HISTORY

The showing was discovered by D. Halleran and A. Halleran of Fort St. James in the summer of 1984. The Hallerans staked the Tas claims and offered the property to Noranda Exploration. Noranda examined the property and carried out a limited grid soil sampling program totalling 131 samples. Soils were analyzed for Cu and Au. Additional rock assays and geochemical analyses were carried out on a variety of rock types.

GEOLOGY

The Tas property is mainly covered by glacial drift. Exposures in the vicinity of the discovery showing and regional geological mapping indicate that the property is

underlain by U. Jurassic alkalic intrusive rocks hosted by Upper Triassic Takla group volcanic rocks. Mineralization found to date includes chalcopyrite along fractures and in blebs within diorite, monzonite and syenite. Visible gold was recently discovered in hand specimens of a quartz-carbonate alteration phase of the intrusions. Massive pyrrhotite float is also known on the property.

The initial exploration of the property suggests that the showing is the surface exposure of an alkalic Cu-Au porphyry system.

TERMS

The owners are seeking an optionee to carry out systematic exploration of the property.

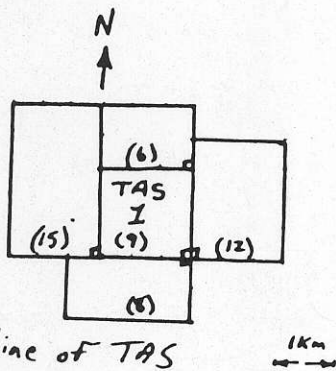
Principal terms include:

Cash Payments

on signing		\$ 15,000
year 1		\$ 30,000
	2	\$ 60,000
	3	\$ 90,000
	4	\$120,000
	5	\$150,000
to production		\$150,000

Interest Earned

Optionee earns 100% interest in the property by spending \$3 million. Optionor retains 3% NSR interest.

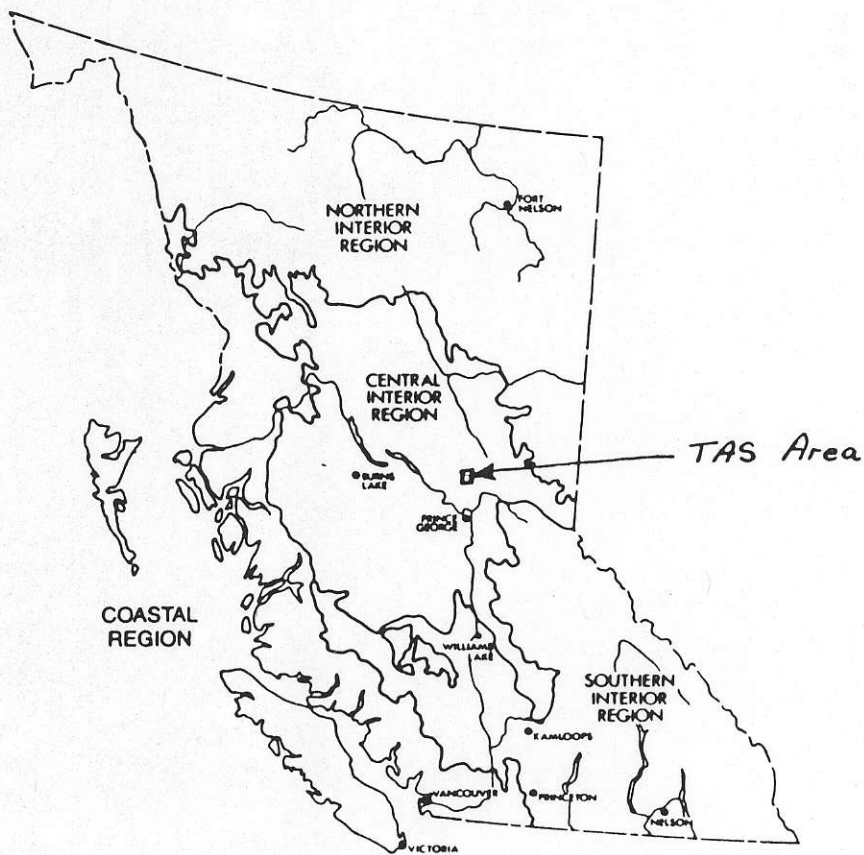


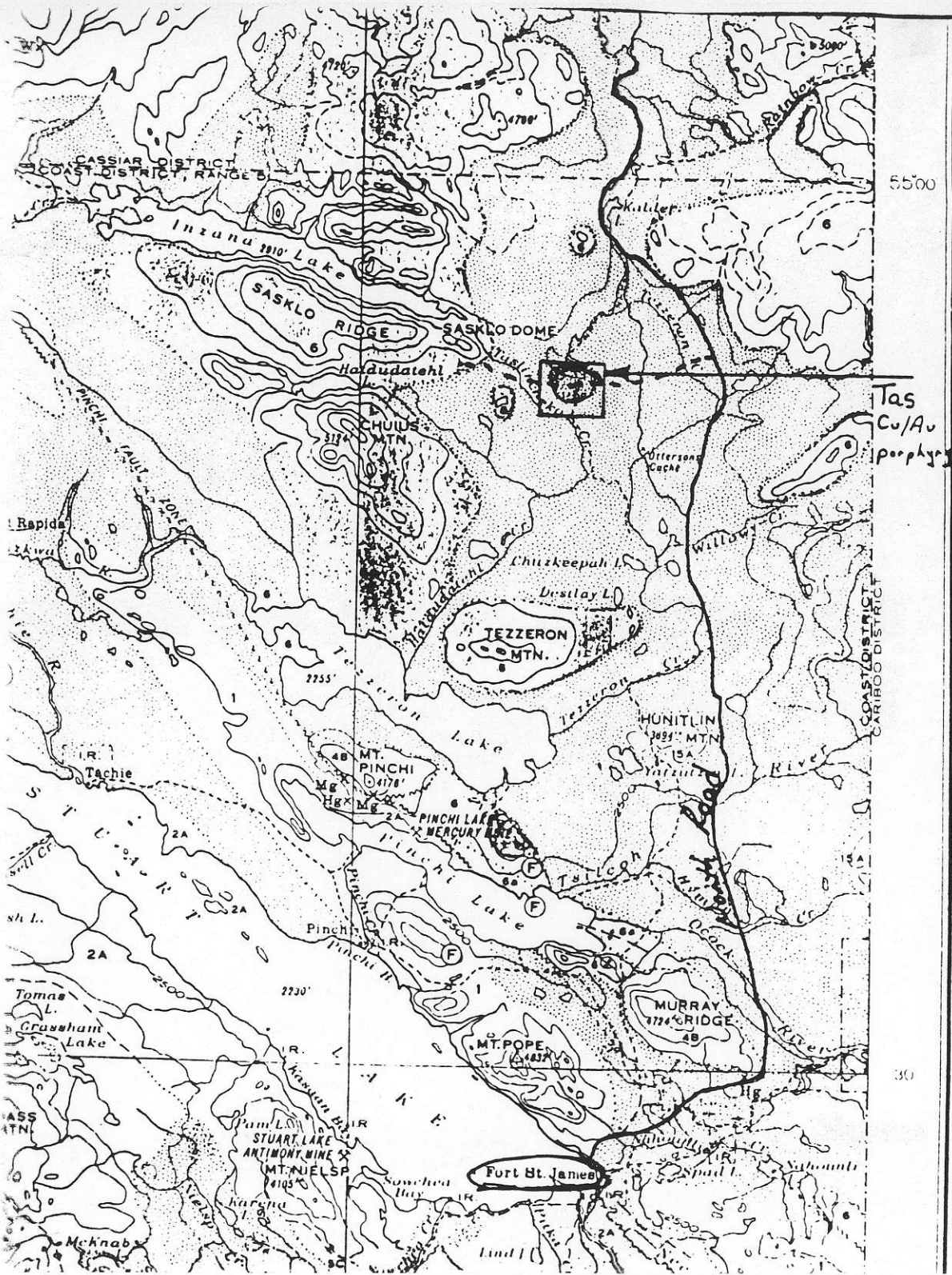
outline of TAS CLAIMS

5 claims with a total of 50 units

location of TAS I within the TAS property.

(12) = # of units in claim





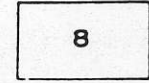
MESOZOIC

UPPER JURASSIC OR LOWER CRETACEOUS
OMINECA INTRUSIONS



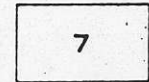
Granodiorite, quartz diorite, diorite; minor granite, syenite, gabbro, and pyroxenite

JURASSIC AND (?) CRETACEOUS
TACHEK GROUP



Andesite and andesite breccia; basalt and rhyolite

PART OF HAZELTON GROUP



Andesite, trachyte, basalt, and related breccias

TRIASSIC AND JURASSIC

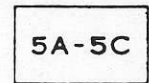
UPPER TRIASSIC AND LATER
TAKLA GROUP



Andesitic and basaltic flows, tuffs, breccias, and agglomerates; interbedded conglomerate, shale, greywacke, limestone, and coal; 6a, shale, greywacke, conglomerate, tuff, and limestone (Upper Triassic)

PERMIAN (?) AND/OR LATER

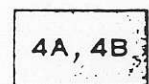
POST-MIDDLE PERMIAN, PRE-UPPER JURASSIC (?)
TOPLEY INTRUSIONS



5A, granite and granodiorite
5B, syenite
5C, diorite

POST-MIDDLE PERMIAN, PRE-UPPER TRIASSIC (?)

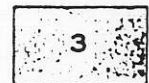
TREMBLEUR INTRUSIONS



4A, peridotite, dunite; minor pyroxenite and gabbro; serpentized and steatized equivalents
4B, pyroxenite, minor peridotite and gabbro; serpentized and steatized equivalents. May be in part post-Triassic

PENNSYLVANIAN (?) AND PERMIAN

CACHE CREEK GROUP



Andesitic flows, tuffs, and breccias with minor basic intrusions (greenstones); chlorite and hornblende schists; minor argillite, chert, and limestone. May include some Takla group rocks (6)

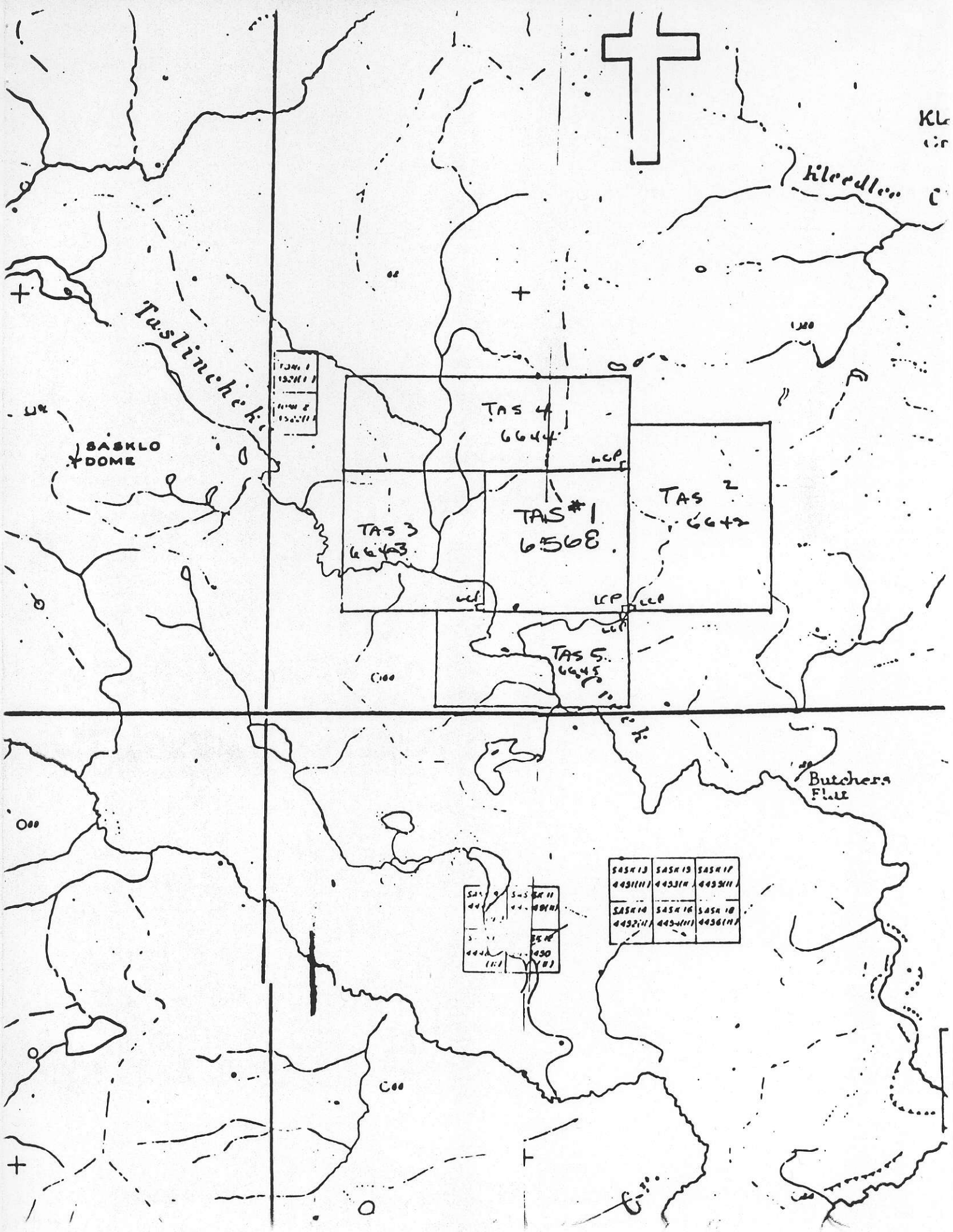


2A, ribbon chert, argillaceous quartzite, argillite, slate, greenstones similar to 3, limestone; minor conglomerate and greywacke; metamorphosed equivalents; small bodies of 4
2B, argillite, slate, greenstones similar to 3; minor chert and limestone. Relation of 2B to 2A not known; both in part older than 1, and may be in part younger than 3



Massive limestone; minor argillite, slate, chert, and greenstone

PALAEOZOIC



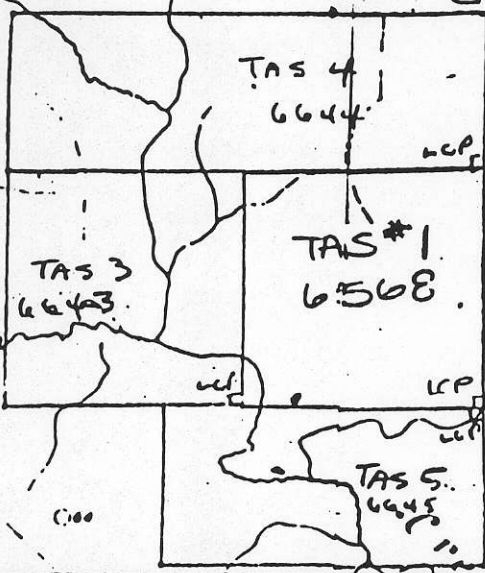
KL
C

Kleedloo

Tuslinche k.

SASHLO
DOME

TAS # 1	6568
TAS # 2	6642



TAS 4
6644

TAS 2
6642

TAS 3
6643

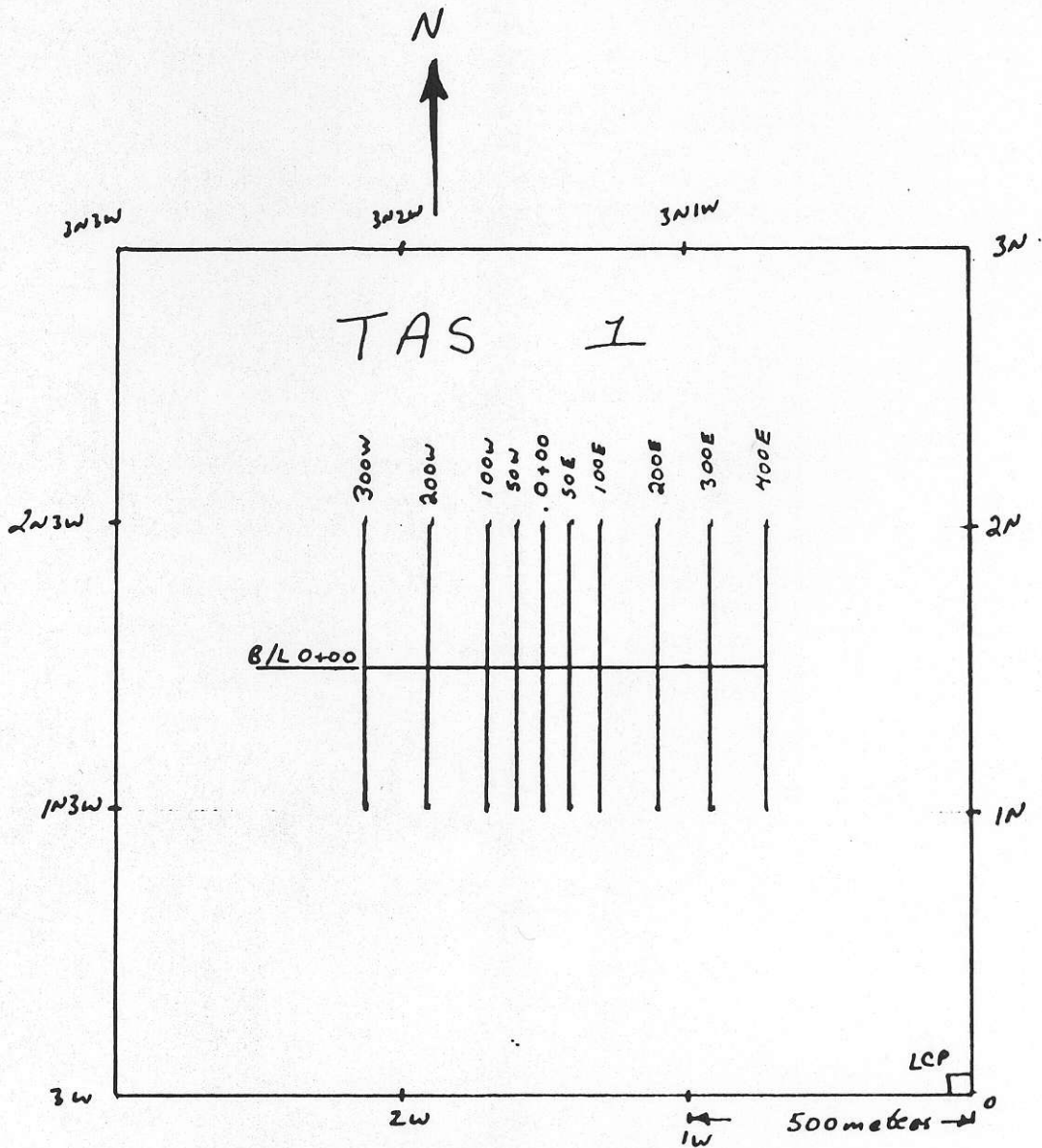
TAS #1
6568

TAS 5
6645

Butchers
Flue

SAS 9	SAS 11
444	444
444	444
(1)	(1)

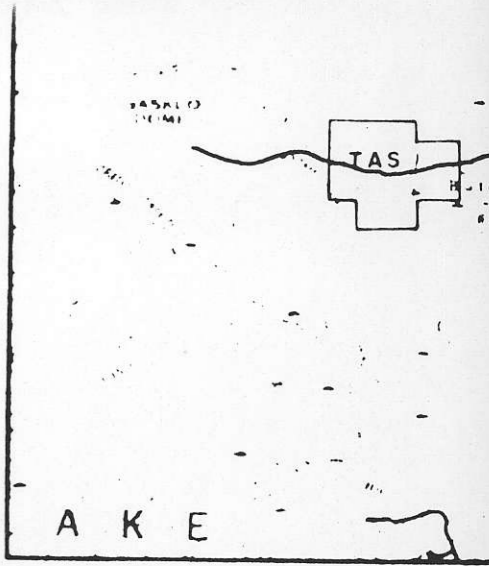
SASH 13	SASH 15	SASH 17
4431111	4431111	4431111
SASH 14	SASH 16	SASH 18
4432111	4431111	4431111



Soil Grid on TAS 1

TAS 1 = 9 units

	300W	200W	100W	50W	0+00	50E	100E	200E	300E	400E
250 N	26,10	28,10	70,10	40,10	46,10	28,10	36,10	34,10	580,10	72,10
200 N	120,10	22,10	96,10	54,10	40,10	58,10	84,10	54,10	410,10	42,10
150 N	32,10	22,10	70,10	52,10	150,10	100,10		92,10	88,10	34,10
100 N	86,10	26,10	46,10	24,10	32,10	24,10	96,10	30,10	96,10	50,10
			22,10	22,10	68,30	40,10	28,10			
50 N	54,10	38,10	38,220	26,10	54,10	64,10	48,10	28,10	24,10	
			26,10	34,10	28,10	52,10	58,10			
0+00	38,10	36,10	70,10	50,10	110,10	220,60	320,10		22,10	30,10
			190,10	600,10	430,10	220,10				
			46,10	170,10	230,10					
50 S	130,10	58,10	60,10	40,10	30,10	18,10	28,10	130,10	22,10	24,10
	130,10		40,10	32,10	22,10	20,10	44,10			
100 S		58,10	20,10	42,10	40,10	40,10	22,10	140,10	16,10	40,10
150 S	40,10	38,10	32,10	30,10	30,10	20,10	54,10	28,10	28,10	20,10
200 S	64,10	86,10	34,10	48,10	42,10	18,10	32,10	22,10	28,10	22,10
250 S	24,180	38,10	44,10	30,10	34,10	34,10	86,10	40,10	42,10	24,10

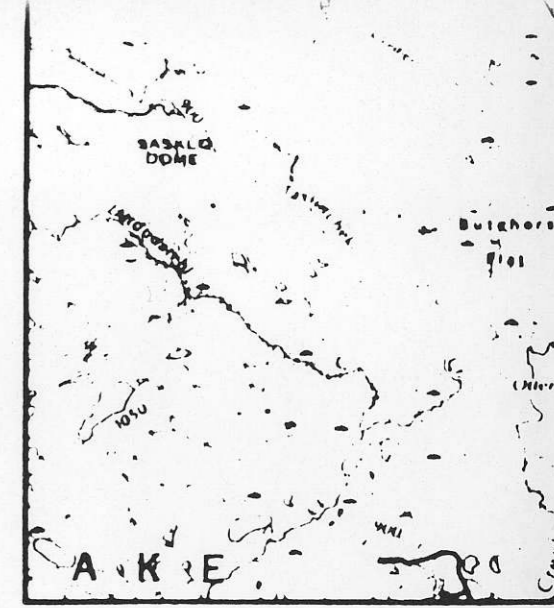
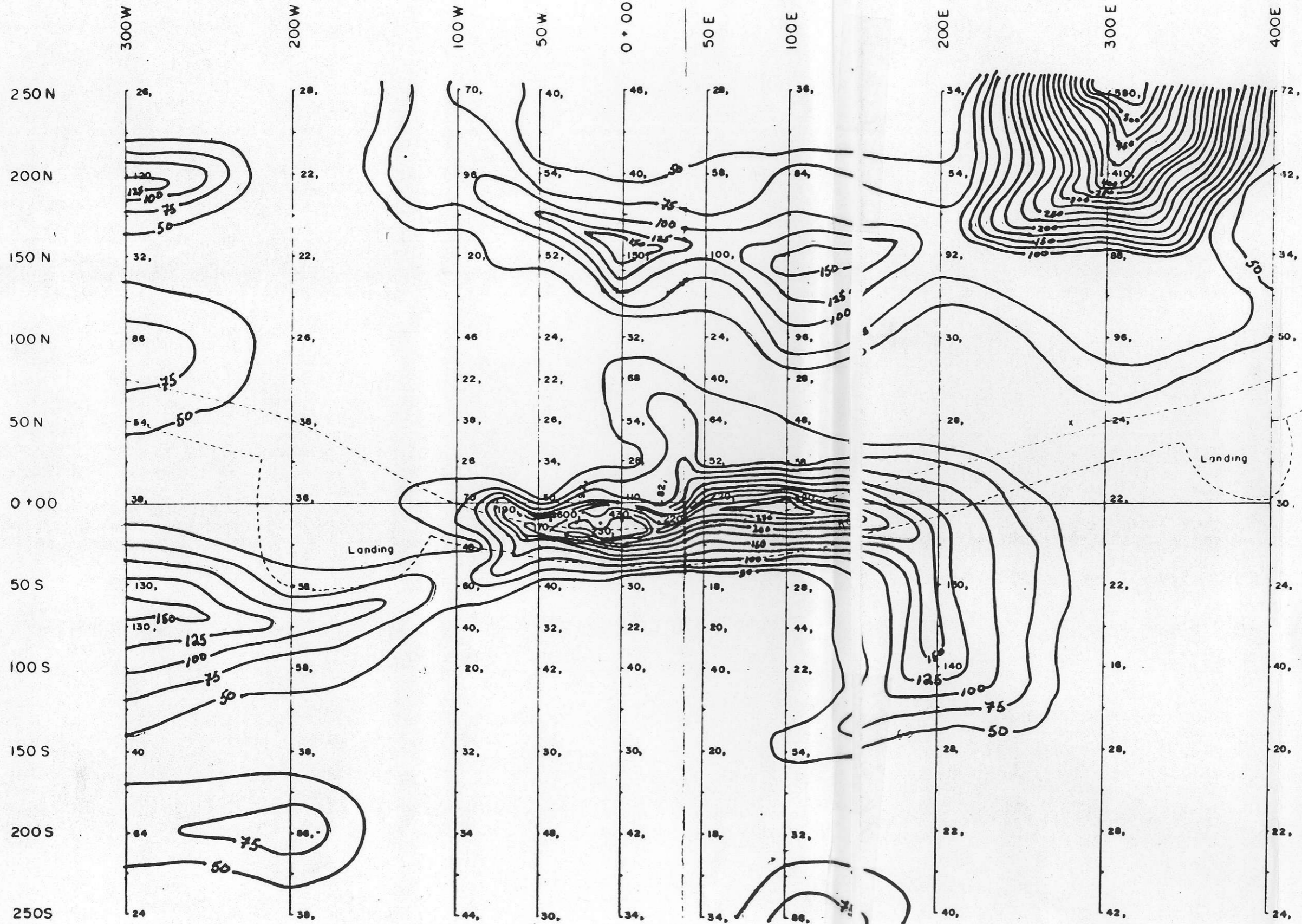


LEGEND

410,20 Geochem Assays, Cu(ppm.); Au.(p.p.b)

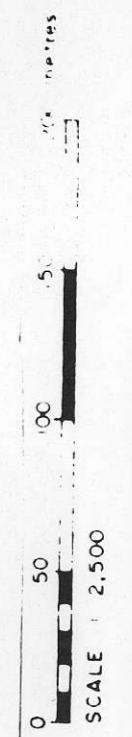


REVISED	TAS CLAIMS		DATE	SCALE
	TAS GRID			
	GEOCHEM SURVEY			
	CU, AU.			
	NORANDA EXPLORATION			

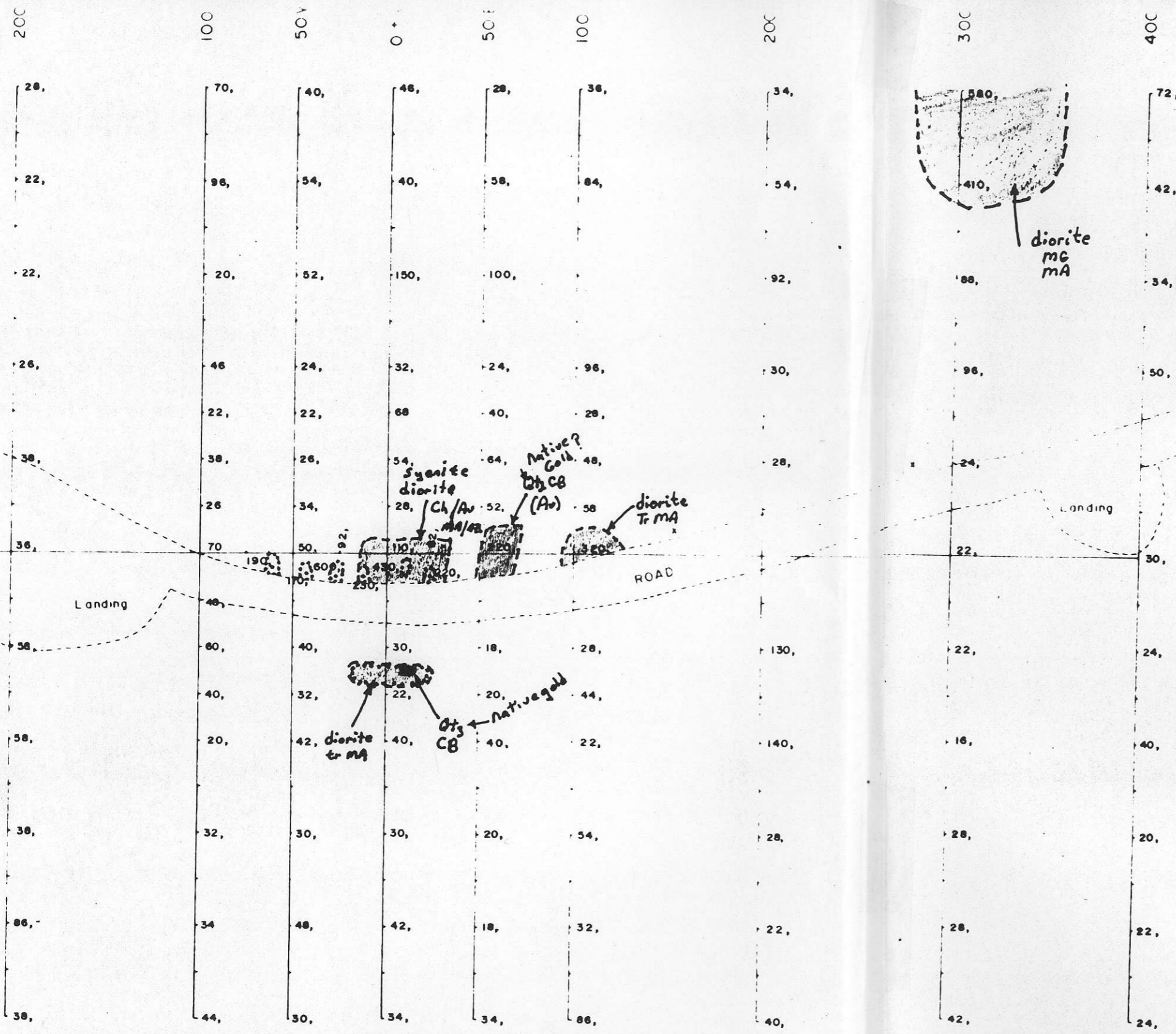


LEGEND

410, Geochem Assays, Cu(ppm.)



TAS CLAIMS		DATE OCT 1984	
TAS GRID		SCALE 2500	
GEOCHEM SURVEY		S K B	
Cu.		NORANDA EXPLORATION	
REVIS		SURVEY BY	
		DRAWN BY	
PROJ No			
PTS	93K/16		
WG No			

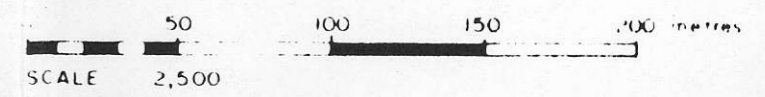


LEGEND

- 410, Geochem Assays, Cu(ppm.)
- Ch = Chalcopyrite
- Av = Gold
- MA = Malachite
- AZ = Azurite
- MG = Magnetite
- = Quartz-Carbonate .07gm Au → 3.8 gm Au/tonne
- = outcrop (intrusive)
- ∴ = large trenches

Syenite/diorite: Chalcopyrite is Found as pervasive Fracture Filling and vugs. Area of syenite assayed for Au

MAPPING BY: A. HALLINAN



REVISED	TAS CLAIMS	
	TAS GRID GEOCHEM SURVEY	
	Cu.	
PROJ No	SURVEY BY	DATE OCT 1984
NTS 93K/18	DRAWN BY S K B	SCALE 1:2500
DWG No	NORANDA EXPLORATION	

SAMPLE RESULTS

TAS PROSPECT

N.T.S. 93 K/16

SAMPLE #	LAB	Rx GEOCHEM (10 grams)	ASSAY (30 grams)	Au G.M.T.	Ag G.M.T.	Cu ppm	TYPE	DESCRIPTION	COLLECTOR
39251	B.C.	*	*	2.43	37.4	1.00%	selected grab	seynite or monzonite with fracture filling and clots of Cpy - much Cu stain.	A.H.
39252	B.C.	*	*	3.33	6.2	1.14%	"	c.g. seyno diorite with large clots of cpy, estimate 2% Cu	A.H.
39253	B.C.	*	*	0.27	0.7	0.14%	"	f.g. diorite or basic volc. with cpy in veinlets; also buff to green carbonate veinlets, 1-4 mm wide	A.H.
55027	R.L.	*	*	.020	0.2	22	grab	boulders epidote rich skarn-hornfels with free calcite stringers	
55028	R.L.	*	*	0.050	0.4	580	selected grab	seyno diorite?? with patches of coarse orthoclase feldspar; f.f. cpy and Cu stain	R.M.
second cut from reject	R.L.	*	*	0.12 0.13					
re-run on original Pulp	B.C.	*	*	0.51					
re-submitted Pulp 1st cut	B.C.	*	*	0.07 0.07					
Pulp 2nd cut	B.C.	*	*	0.21					
Pulp 2nd cut	B.C.	*	*	0.17					

				avg.	0.166				

File: TASPROSPECT

SAMPLE #	LAB	Rx GEOCHEM (10 grams)	ASSAY (30 grams)	Au G.M.T.	Ag G.M.T.	Cu ppm	TYPE	DESCRIPTION	COLLECTOR
055029	R.L.	*		0.54	0.2	40	selected grab	red brown Fe carbonate altered, qtz veinlets up to 1 cm, volc. or sed??	R.M.
second cut from reject			*	0.22					
			*	3.8					
			*	0.17					
			*	0.96					
re-rerun on original Pulp	B.C.		*	0.86					
re-submitted	B.C.		*	1.2					
Pulp 1st cut	B.C.		*	0.69					
Pulp 2nd cut	B.C.		*	0.07					
Pulp 2nd cut	B.C.		*	0.07					
			----- avg.	0.858					
055030	R.L.	*		.150	1.8	8600	grab	epidote rich diorite porphyry with dark green pyro holes; estimate Cu 1% as cpy	R.M.
055031	R.L.	*		.01	0.2	374	grab	diorite-seyno diorite with epidote clots similar to #55028, traces of cpy	R.M.
055032				.01	0.2	376	grab	same as above	
055035	R.L.	*		0.640	0.6	202	grab	bleached and silicified intrusive?? with quartz carbonate veinlets and rusty coating up to 2 cm thick, disseminated sulphides	R.M.
055036	R.L.	*		0.600	0.4	26	grab	similar to above, more oxidized and more sulphides	R.M.
055051	R.L.	*		.01	0.2	128	grab	grey hornblende porphyry with clots of py up to 1 mm	R.M.
055052	R.L.	*		2.200	20.2	27000	selected grab	altered diorite or monzonite with clots of cpy up to 2 cm; much diss. cpy and Cu stain; estimated 2% Cu	R.M.
055053	R.L.	*		.380	4.4	5400	grab	similar to 055028 - less mafics and larger feldspar crystals	R.M.
055054	R.L.	*		.140	1.4	1520	grab	pegmatitic zone of feldspar in diorite; minor magnetite	R.M.

File: TASPROSPECT

SAMPLE #	LAB	Rx GEOCHEM (10 grams)	ASSAY (30 grams)	Au G.M.T.	Ag G.M.T.	Cu ppm	TYPE	DESCRIPTION	COLLECTOR
14834	NOR	10 g		.01	NA	800	grab	diorite with 10% magnetite - minor sulphides	D.H.
14835	NOR	10 g		.01	NA	2200	grab	diorite? f.f. sulphides and traces of Cu stain, minor magnetite 1-2%	D.H.
14836	NOR	10 g		.09	0.8	1200	grab	massive pyrite	D.H.

STEPHEN EXPLORATIONS LTD.

1458 Rupert Street, North Vancouver, British Columbia V7J 1G1

(604) 988-1545

Notes Re: TAS Claim Group

NTS 93K/16

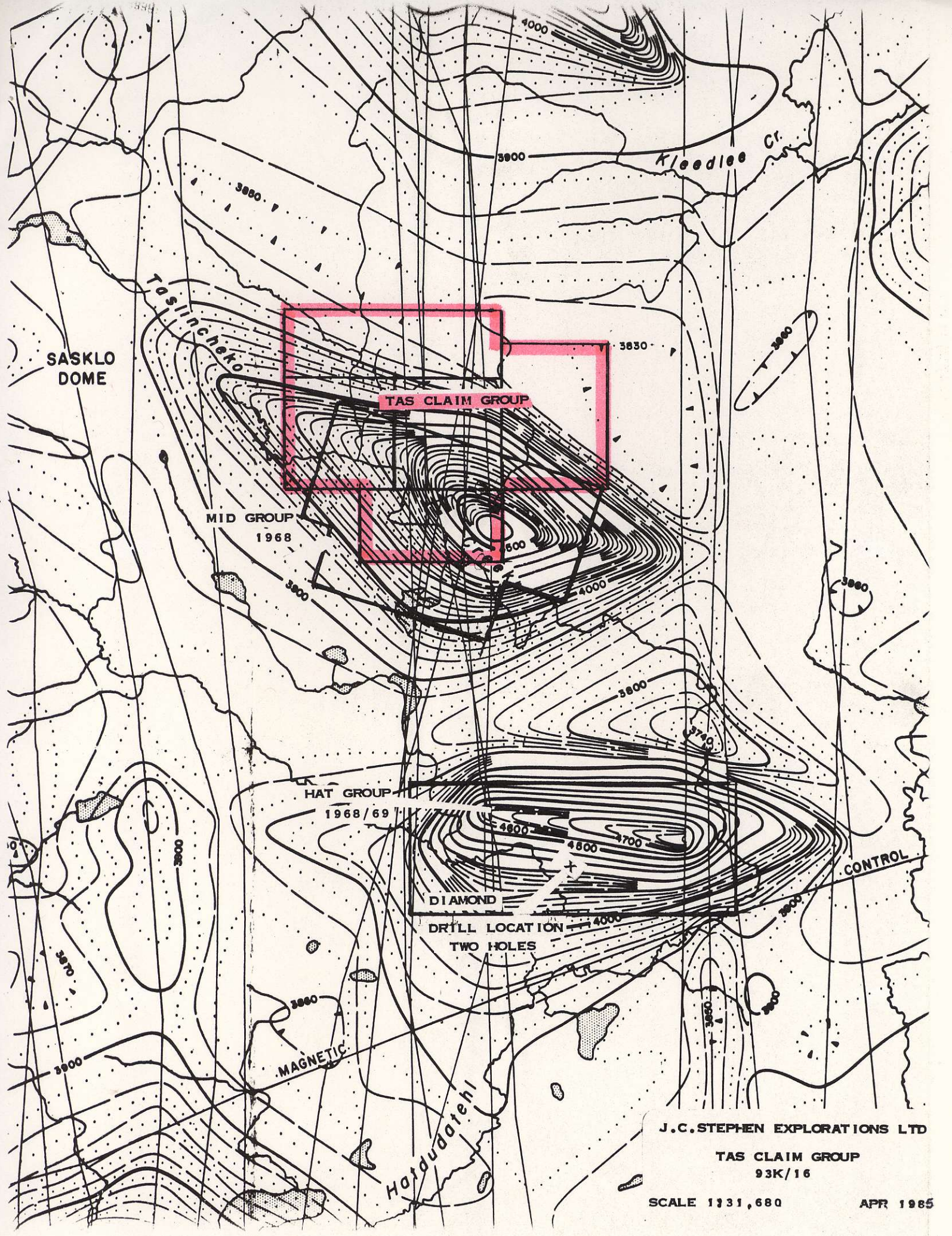
April 1985

Data on the TAS claims (50 units) was submitted to J.C. Stephen Explorations by Uwe Schmidt as agent for Arthur Halleran Calgary. If Schmidt is able to arrange an option of the property he stands to collect a finders fee. It was not clear which side was expected to pay the fee. Copies of the data were sent to some 22 companies and it is my understanding at least three have indicated they would like to examine the property.

Noranda has carried out the work described in the data provided but the vendors have been unable to reach agreement with Noranda on option terms.

In 1968 NBC Syndicate prospected selected areas in map sheet 93K including several magnetic anomalies within 93K/16 and including very cursory examination of the anomaly now partially covered by the TAS claims. No outcrop was observed over this anomaly but the 48 M D, two post claims were staked to hold the ground pending exploration of two nearby anomalies.

To the south of TAS the HAT group of 40, two post, claims was prospected and scattered pyrite, pyrrhotite and chalcopyrite mineralization was located in dark green hornblende diorite which contains abundant magnetite. Limited magnetometer and EM surveys were carried out which located a strong EM anomaly south of some of the mineralized intrusive outcrops. This zone was drilled in 1969 with two holes which encountered black argillite, presumably the source of the conductor, containing specks and then veinlets of pyrite.



SASKLO
DOME

Kleedlee Cr.

Tosincheho

TAS CLAIM GROUP

MID GROUP
1968

HAT GROUP
1968/69

DIAMOND

DRILL LOCATION
TWO HOLES

CONTROL

MAGNETIC

Hajaudatehi

J.C. STEPHEN EXPLORATIONS LTD

TAS CLAIM GROUP
93K/16

SCALE 1:31,680

APR 1965

In 1979 some of this HAT group core was obtained on behalf of TARGET PROJECT #117 and assayed for precious metals with negative results. A summary of those results is attached.

This area of central B.C. is covered by extensive and often thick glacial till. Outcrop is scarce but access should now be very much better than it was in 1968 to 69 due to logging operations. The showings on TAS were probably exposed by the loggers and it is my distinct impression that one of the B.C. government geologists reported this porphyry type mineralization a few years ago. I can find no written reference and it may have been passed on to me verbally. BP Exploration Canada Ltd. have been working near Mt. Milligan (93N/1) some miles to the northeast. The following is the only reference at hand.

"The HEIDI property (56), a promising discovery of disseminated gold-copper mineralization in altered Takla Group volcanics near the Mt. Milligan stock, was optioned to BP Exploration Canada Ltd. who later staked additional ground in the area." (from B.C. Mineral Exploration Review 1984)

The Mt. Milligan area was partially prospected by NBC Syndicate in 1968. No significant data was recorded. Occurrences of altered volcanics were located in the vicinity of intrusive bodies and it is my recollection that attractive k-spar and epidote alteration occurred together with minor chalcopyrite, malachite mineralization.

I have indicated to Schmidt that no option would likely be entered into without examination of the property and that the work done by the prospecting group hardly justified the cash payments being sought.

J.C. Stephen Explorations Ltd.
April 26, 1985

