Wy CLAIMS.

GEOLOGY AND PRELIMINARY GEOCHEMICAL RESULTS

ATLIN MINING DIVISION.

58°44' N, 133°39'W.

104K/12E

Owned by

ANGLO CANADIAN MINING CORPORATION.

JoAnne Nelson,MSc.,
Geologist.

Date: January, 1981.

STOKES EXPLORATION MANAGEMENT CO.LTD.,
713 - 744 West Hastings Street,
Vancouver, B.C. V6C 1A5.

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INTRODUCTION

The Wy property consists of 6 claim units staked on 12 August, 1980 by JoAnne Nelson as agent for Ron Stokes. They were recorded in Vancouver on 21 August, 1980. Ownership of the claims is to be transferred to Anglo-Canadian Mining Corporation.

The property lies on the eastern flank of Whitewater Mountain (Figure 1) about 2.5 km north of the Polaris Taku townsite. Most of the claim area is in alpine meadows; buckbrush and scrub forest grow on the steeper slopes. Outcrop is about 20%.

The property was staked on the basis of a rock geochemical anomaly; and on its location on the same major fault zone which controls mineralization at the Polaris Taku mine, a shear-related vein gold deposit.

A total of three man days were spent on the claims subsequent to staking, in geological mapping, prospecting and follow-up geochemical sampling. Mapping is on a scale of 1:50,000, on an enlargement of the 1:250,000 topographic map supported by air photos. A total of 2 square km were mapped. Ten rock samples and one soil sample were collected for geochemical analysis.

GEOLOGY

Most of the property is underlain by the Tulsequah Gneiss[1]. Rock types include coarse grained quartz-feldspar-chlorite±actinolite schist, quartz-muscovite schist, black to grey quartz-muscovite-graphite schist, amphibolite which contains abundant large poikilitic plagioclase porphyroblasts (metagabbro?), and biotite and quartz-feldspar±chlorite gneiss (Figure 1) .

A north-trending dike of fine grained, orange, altered syenite occupies the center of the property. Smaller parallel dikes cut outcrops of Tulsequah Gneiss. These are of probable Late Cretaceous-Early Tertiary age, by comparison with similar bodies elsewhere in the in the area.

A fault-bounded wedge of metamorphosed andesitic tuffs (Mt. Eaton Formation) continues into the southern end of the property from the Polaris Taku area.

STRUCTURE

A north-trending strand of the Tulsequah Fault System traverses the claims. Further south, it juxtaposes Tulsequah Gneiss and Mt. Eaton Formation; still further south rocks of the Mt. Eaton Formation lie on both sides. The fault zone consists of several parallel shears which appear as prominent lineaments on air photos. The syenite dike was intruded along one of the shears, which also contains blocks of coarse grained

actinolite rock (probably meta-serpentinite). A quartz-carbonate vein 2 m wide extends 500 m along strike at the center of this zone.

Schistosity within the shear zone is north-trending and mostly steep to vertical. Coarse-grained grey and white schists occur as pods within highly sheared,black, fine-grained graphite-rich schist. By contrast, outside of the shear zone, on the flanks of Whitewater Mountain, schistosity dips moderately with variable attitudes.

It is likely that movement within the shear zone 1 concentrated in the graphite schists, as they would deform more easily than other rock types of the Tulsequah Gneiss and 2 superimposed a steep schistosity on the graphite schists by shearing and on the more competent pods by rotation into the prevailing shear direction.

GEOCHEMICAL RESULTS

Results of geochemical analysis are listed in Table 1. For sample locations see Figure 2. Most of the samples were taken from the quartz-carbonate vein in the main shear zone. This vein is lithologically identical to the float sample (4016) anomalous in gold and silver which prompted interest in the property. No appreciable Au values, and one weak Ag anomaly (1.7 ppm) are shown in the follow-up sampling.

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

The Wy property lies 2.5 km from Polaris Taku mine, along the same strand of the Tulsequah Fault System. Precious-metal geochemistry of exposed rocks is unpromising. As the degree of exposure is low, about 20% outcrop, further sampling should concentrate on soils and heavy concentrates from streams.

1. The Tulsequah Gneiss, defined in regional mapping by the SEMCO crew, includes the relatively high-grade metamorphic rocks of the eastern Coast Plutonic Complex exposed in the Tulsequah map area. Gneisses and coarse-grained schists of varying lithologies predominate. The Mt. Eaton Formation, also defined in regional mapping, is a Paleozoic volcano-sedimentary suite.

TABLE 1 : GEOCHEMICAL RESULTS, WY CLAIMS

Sample location	Cu(ppm)	Pb(ppm)	Zn(ppm)	Ag(ppm)	Au(ppb)
4014	132	18	71	.7	15
4016	54	28	96	6.3	690
4017	55	16	68	.5	10
8578	-	-	-	.4	10
8579	-	-	-	.2	5
8580	-	-	-	.3	15
8581	-	-	-	.2	15
8582	-	-	-	.2	5
8583	-	-	-	1.7	5
8584	-	-	-	.3	5
4015 (soil)	158	2	134	.4	-

COST STATEMENT - GEOLOGICAL MAPPING

GEOCHEMICAL SAMPLING - Wy CLAIMS.

J. Payne - Aug. 16 - 1 day @ $300	$300
J. Nelson - Aug. 16 - 1 day @ $200	$200
G. Gosson - Aug. 16 - 1 day @ $200	$200
Helicopter transport 1 hr @ $335	$335
Camp support Aug. 16 - 3 man days @ $48	$144
Geochemical analysis 11 samples @ $5	$ 55
	$1,234

C E R T I F I C A T E.

I, JoAnne Nelson, do hereby certify:

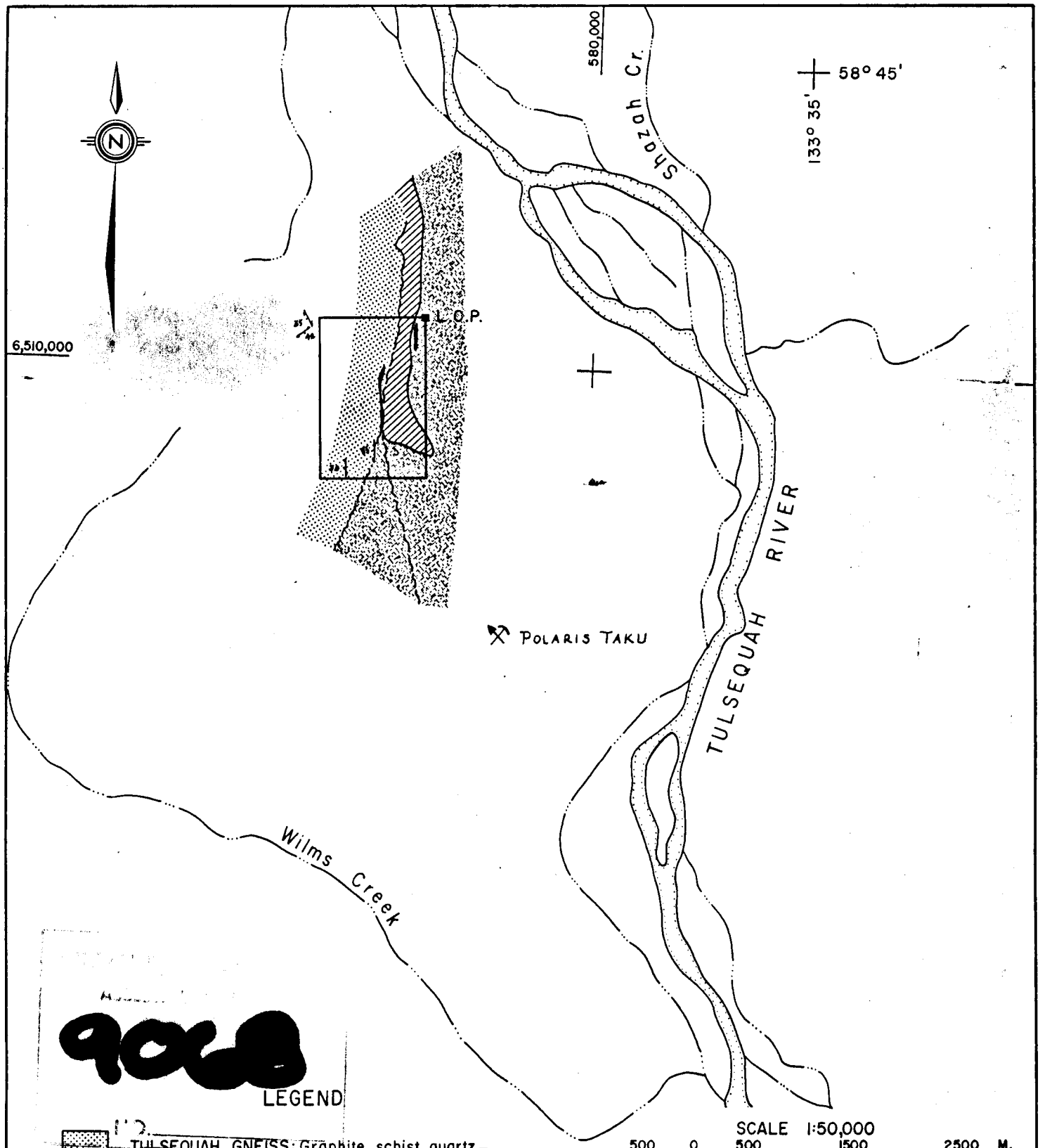
That I am a geologist residing at
4027 West 18th Avenue, Vancouver,
British Columbia, V6B 2T2.

That I hold a B.Sc in geology from
the University of Washington (1973)
and an M.Sc in geology from the
University of British Columbia.(1976).

That I have no financial interest, either
direct or indirect, in the subject
property and that I do not expect to
obtain any such interest.

J. C. Nelson

JoAnne Nelson,
Geologist.



LEGEND

TULSEQUAH GNEISS: Graphite schist, quartz–muscovite schist, quartz–chlorite–muscovite schist, metagabbro, etc.

MOUNT EATON FORMATION: green phyllite (andesitic tuff).

Syenite: fine grained.

Quartz — carbonate vein

FAULT

Claim boundaries located on air photo. BC5614 no 178.

6,500,000

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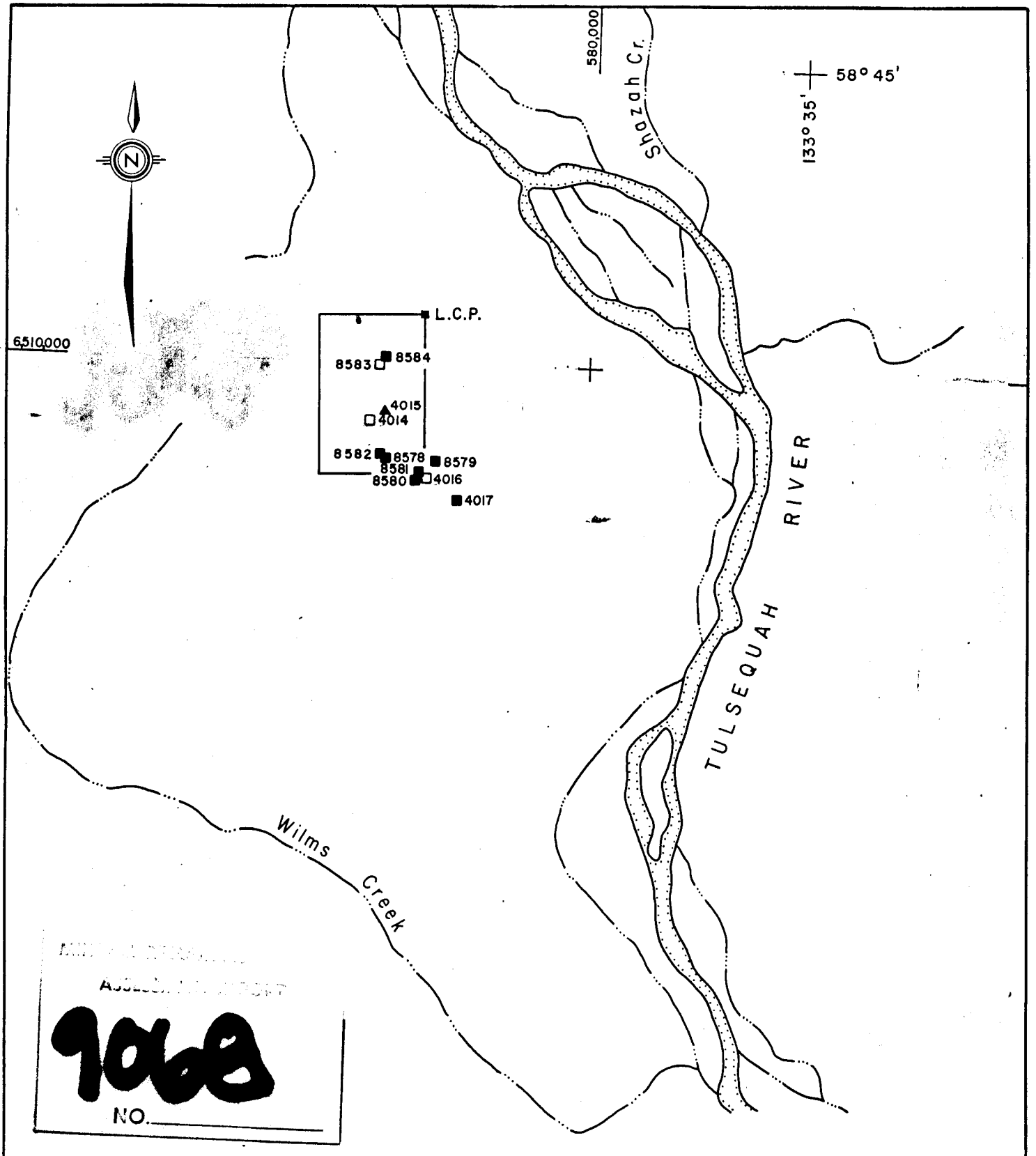
LOCATION & GEOLOGY OF WY CLAIMS

DATE: NOV., 1980

FIGURE NO: 1



ASSESSMENT REPORT

9068

NO.

LEGEND

□ ■ Rock sample : anomalous, non-anomalous

△ ▲ Soil sample : anomalous, non-anomalous

SCALE 1:50,000

6,500,000 500 0 500 1500 2500 M.

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LOCATION OF GEOCHEMICAL SAMPLES

WY CLAIMS

DATE: NOV. 1980	FIGURE NO. 2
GEOLOGY BY: J. NELSON	DRAWN BY: EDCO LTD.