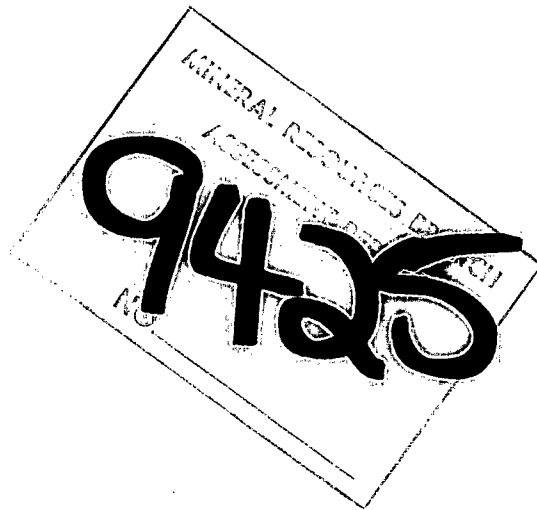


A REPORT ON
GEOCHEMICAL SAMPLING
on the
ARTFUL DODGER MINERAL CLAIM

NTS 94 E 6/E
Lat 57° 18'
Long 127° 01'



Owner- Lacana Mining Corporation
Author- Stephen C. Gower
Date- July 27, 1981

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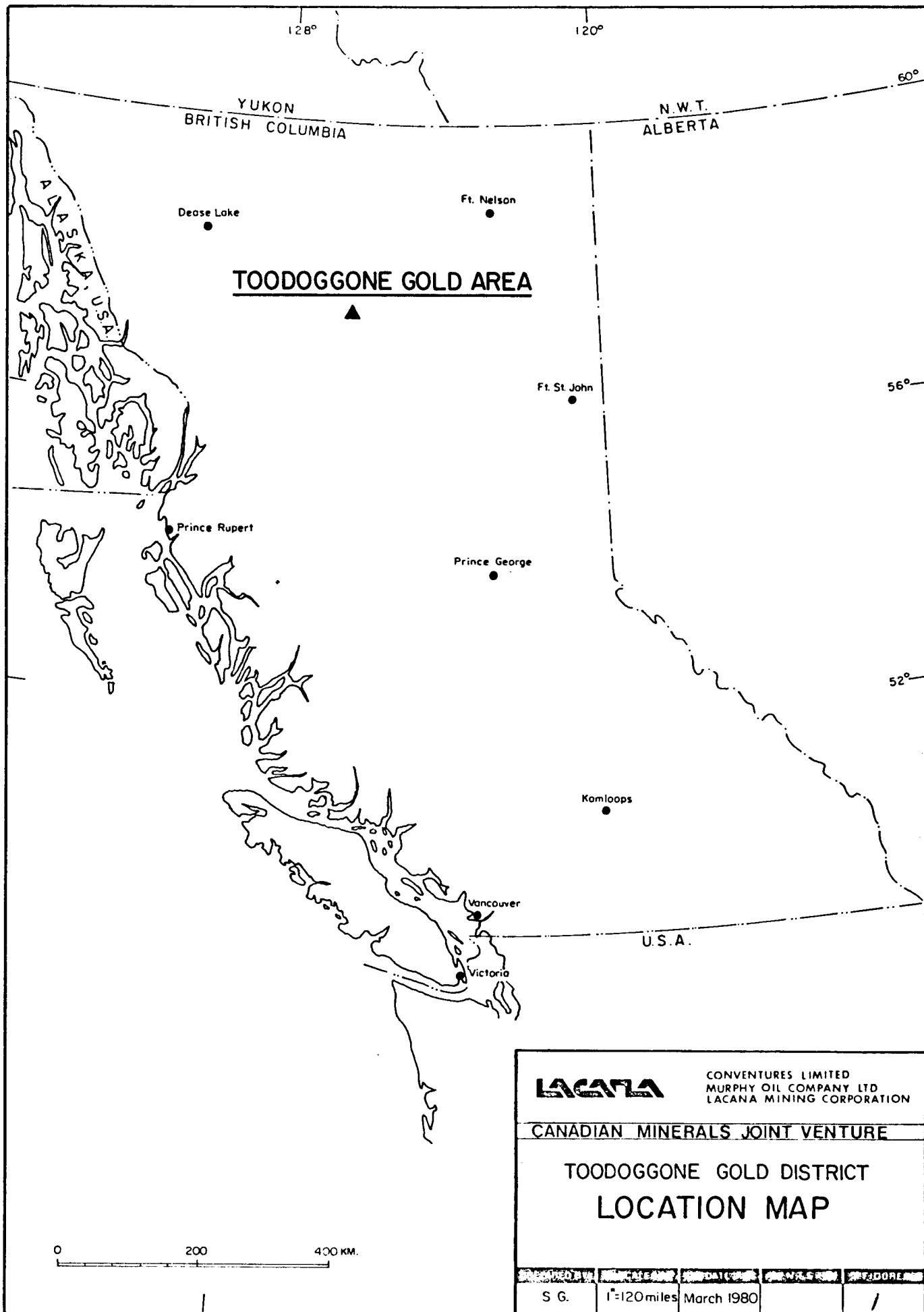
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TOODOGGONE GOLD AREA



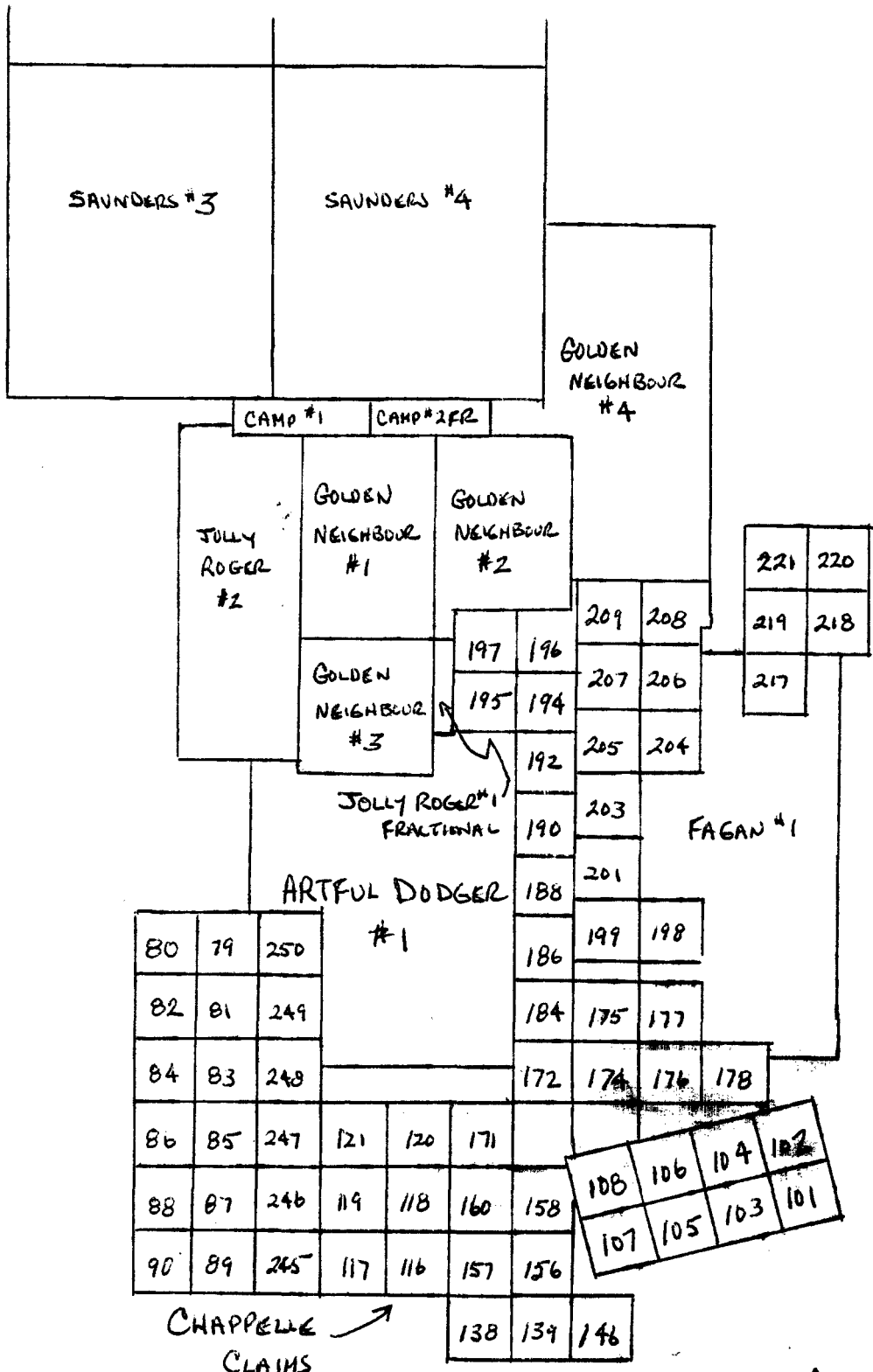
CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

TOODOGGONE GOLD DISTRICT
LOCATION MAP

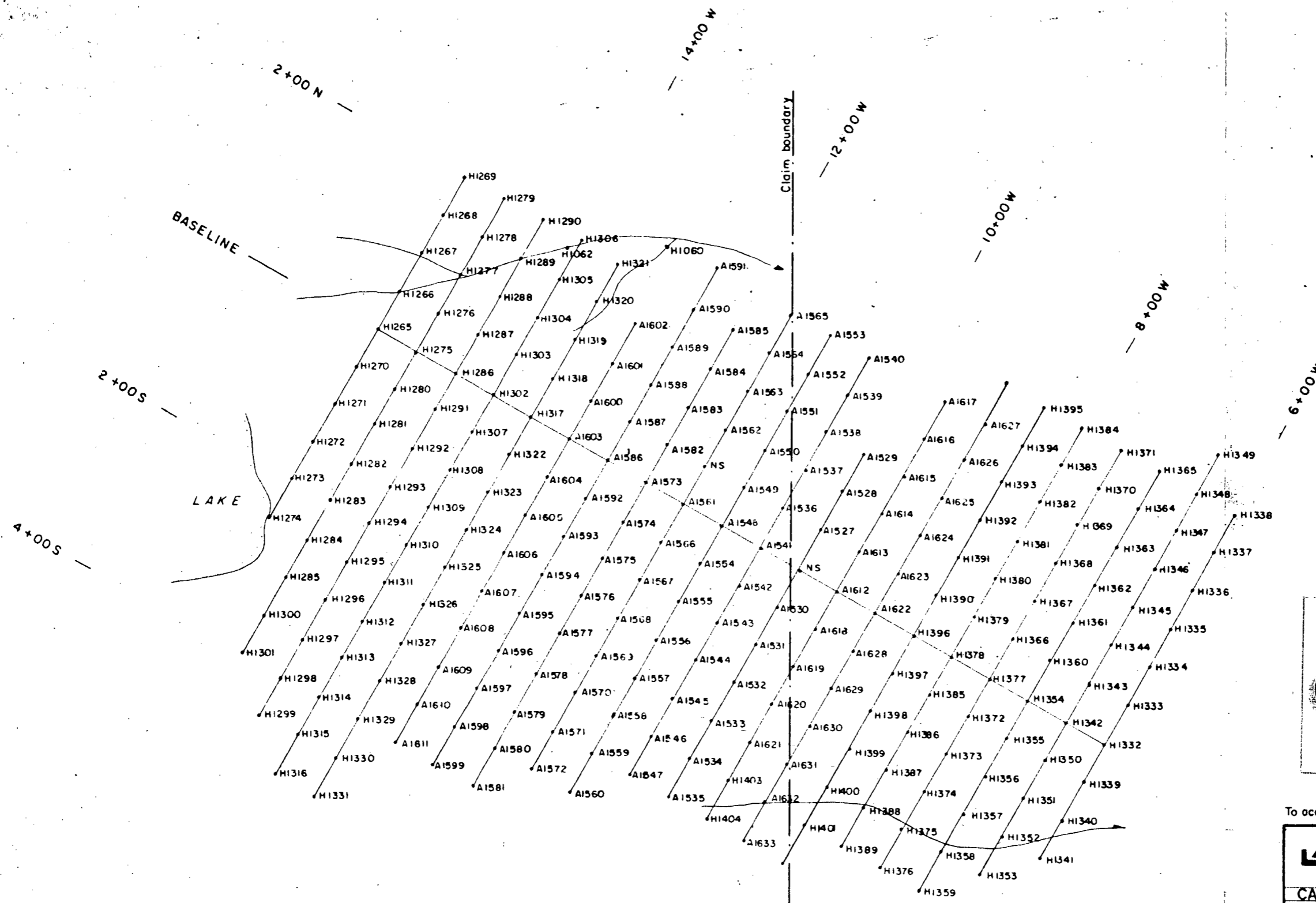
0 200 400 KM.

S. G.	1:120 miles	March 1980	/
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ARTFUL DODGER
CLAIM MAP

1:50 000



LEGEND

- Sample location

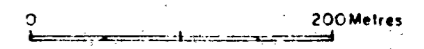
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9425

To accompany Assessment Report by S.C. Gower

LACANA CONVENTURES LIMITED
MURPHY OIL COMPANY LTD.
LACANA MINING CORPORATION

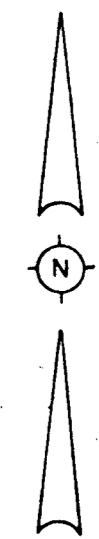
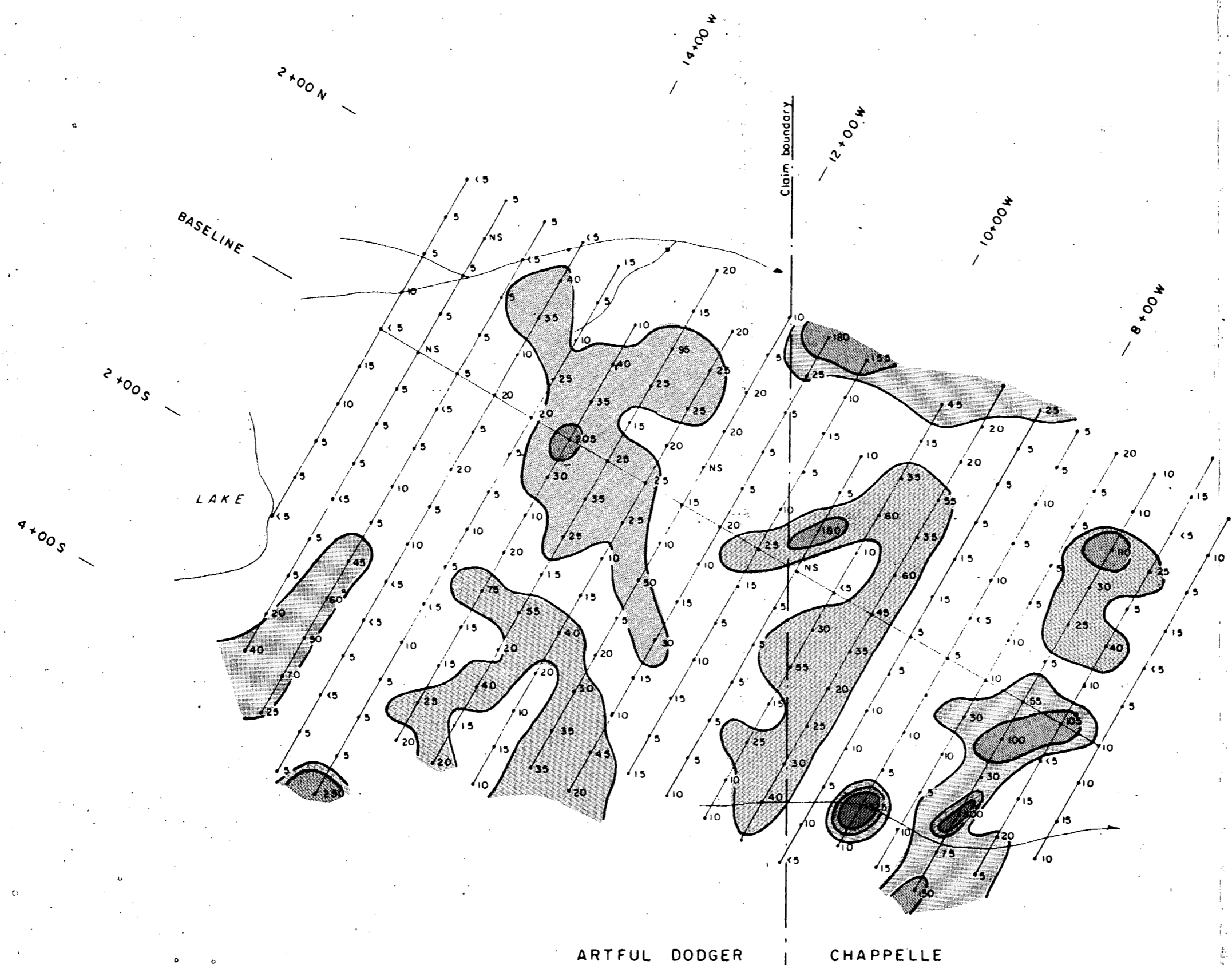
CANADIAN MINERALS JOINT VENTURE

**ARTFUL DODGER CLAIM
SAMPLE NUMBERS
SOIL GEOCHEMISTRY**



PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
S.G.	1:5000	OCT. 1980		5a3

ARTFUL DODGER CHAPPELLE



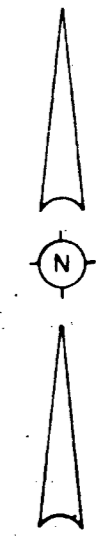
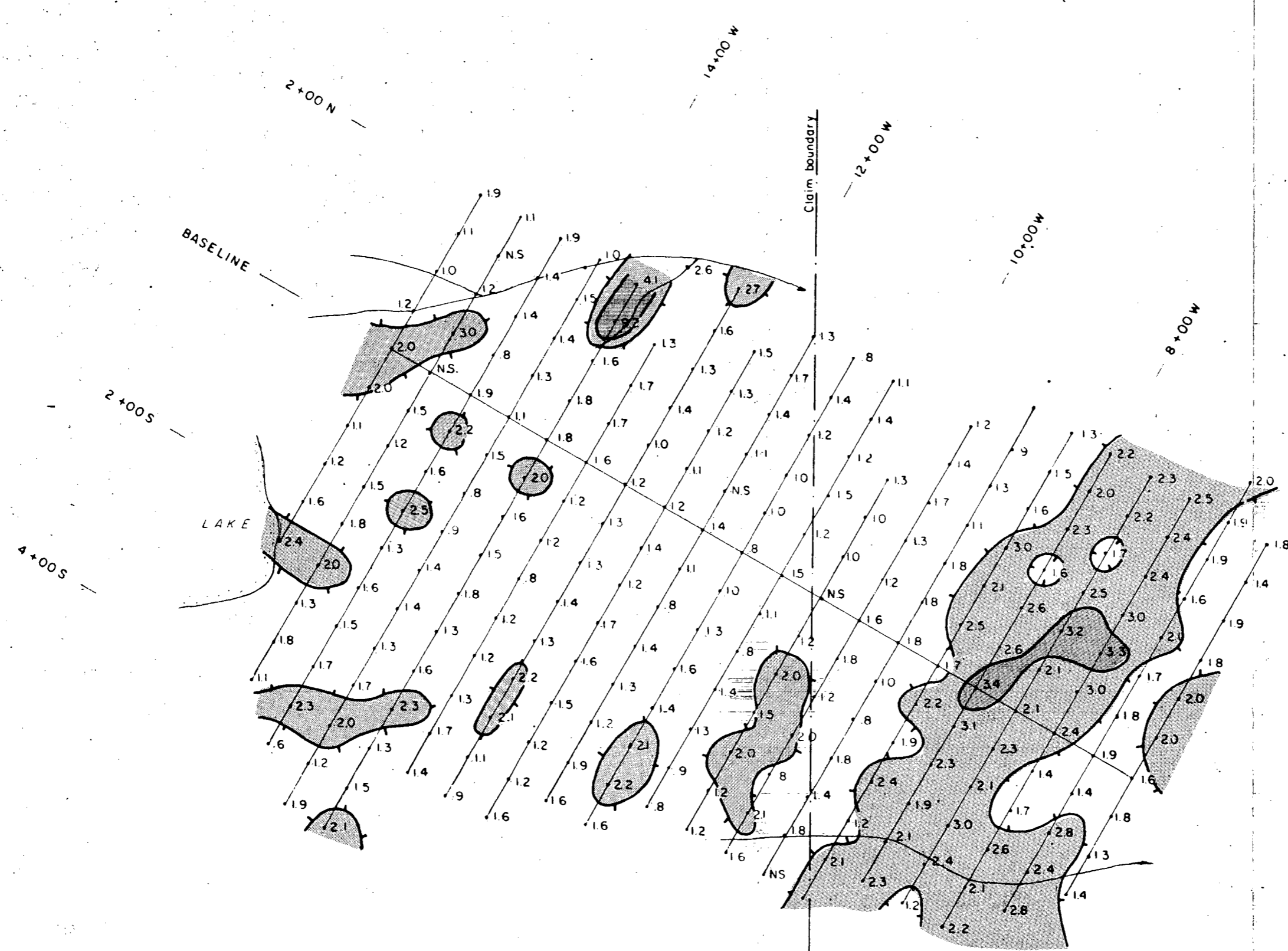
9425

- LEGEND**
- Sample location
 - 10 Silver in ppm
 - Background
 - Weakly anomalous
 - Moderately "
 - Highly "

To accompany Assessment Report by S.C. Gower

LACANA		CONVENTURES LIMITED MURPHY OIL COMPANY LTD LACANA MINING CORPORATION	
CANADIAN MINERALS JOINT VENTURE			
ARTFUL DODGER CLAIM GOLD GEOCHEMISTRY SOIL GEOCHEMISTRY			
PREPARED BY	SCALE	DATE	FIGURE
S.G.	1:5000	OCT. 1980	5b 4

151
2



MINERAL PROPERTY
 9425
 NO.

LEGEND

- Sample location
- 3.2 Silver in ppm
- Background
- ◻ Weakly anomalous
- ◼ Anomalous

To accompany Assessment Report by S.C. Gower

LACANA CONVENTURES LIMITED
 MURPHY OIL COMPANY LTD
 LACANA MINING CORPORATION

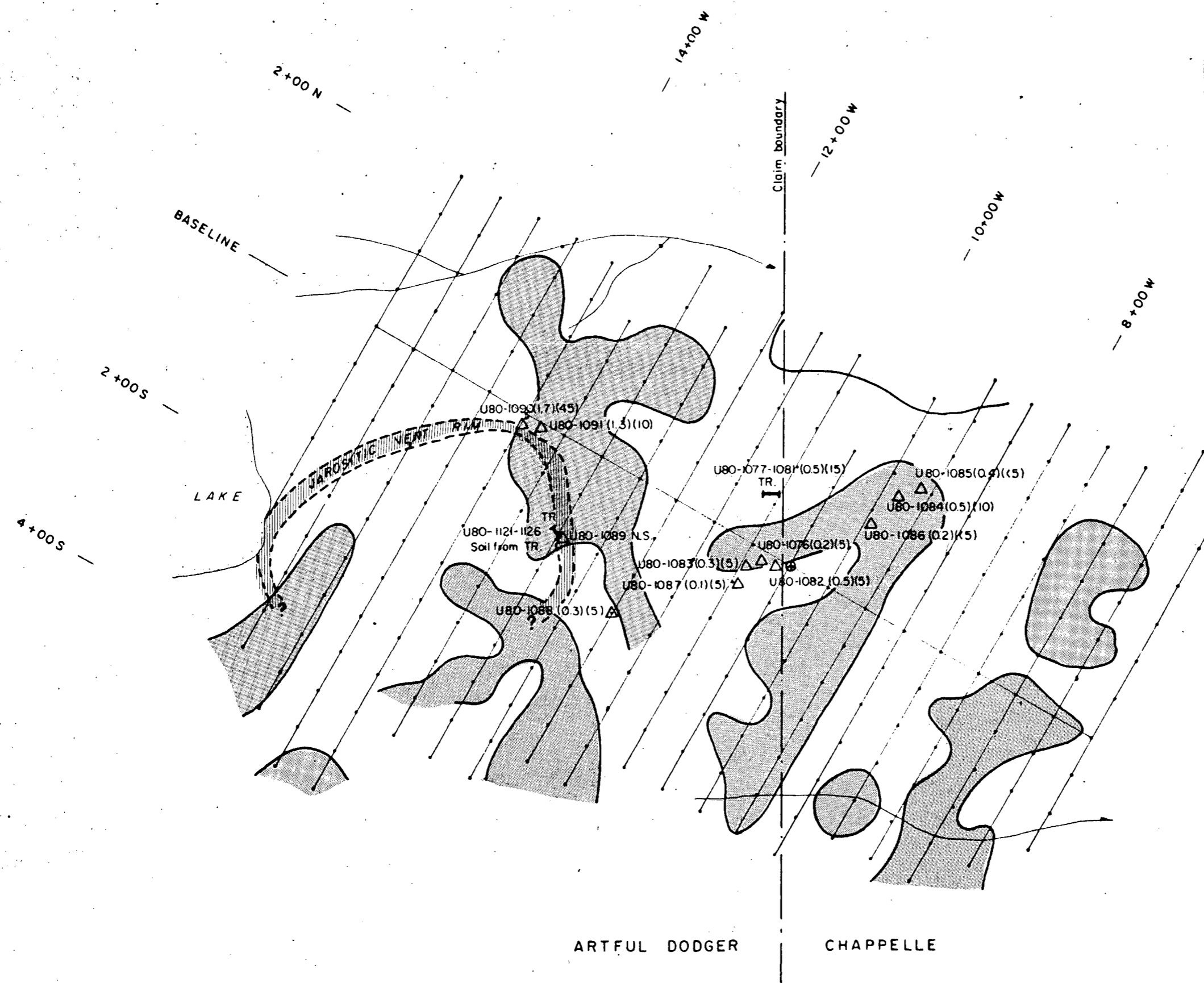
CANADIAN MINERALS JOINT VENTURE

**ARTFUL DODGER CLAIM
 SILVER
 SOIL GEOCHEMISTRY**



PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
S.G.	1:5000	OCT. 1980		505

ARTFUL DODGER CHAPPELLE



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
425
NO.

- LEGEND**
- Sample location
 - △ Quartz float
 - Float train
 - Anomalous Au in soil
 - U80-1084(0.5)(10) Sample number (Ag, ppm) (Au, ppb)

To accompany Assessment Report by S.C. Gower

LACANA CONVENTURES LIMITED
MURPHY OIL COMPANY LTD
LACANA MINING CORPORATION

CANADIAN MINERALS JOINT VENTURE

**ARTFUL DODGER CLAIM
GOLD ANOMALIES
SOIL GEOCHEMISTRY**

0 200 Metres

PREPARED BY	SCALE	DATE	N.T.S.	FIGURE
S.G.	1:5000	OCT. 1980		5c 6

SUMMARY

The Artful Dodger claims were staked to cover gossanous ground situated adjacent to Duponts Chappelle claims. Results of the survey indicate that anomalous gold in soil exists associated with volcanic venting, silicification and quartz veining. Areas of anomalous gold geochemistry should be tested by trenching during the 1981 field season.

CONCLUSIONS

Several areas of weakly anomalous gold geochemistry were discovered within gossanous feldspar porphyry on the ARTFUL DODGER ground. Examination revealed volcanic venting, silicification and quartz veining underlying the area of anomalous geochemistry.

RECOMMENDATIONS

The areas of interest as outlined by prospecting and the geochemical program should be tested by trenching to search for economic precious metal mineralization.

INTRODUCTION

The Artful Dodger property is situated south of the Golden Neighbour # 3 claim about 7 miles southeast of Serem's Lawyer property. The claims were staked to cover gossanous areas adjacent to the eastern block of Dupont's Chappelle ground. A soil grid was positioned over the area of interest which resulted in the discovery of several weakly anomalous gold areas.

PROPERTY STATUS, LOCATION & ACCESS

ARTFUL DODGER - 20 units

Record Number 3175

Record Month, Aug. 26

The ARTFUL DODGER property consists of one claim totalling 20 units. A legal survey has been completed on the property to define the borders with Dupont's CHAPPELLE claims. The property is located approximately 190 airmiles north of Smithers at the head of Saunders Creek. Access is presently by wheeled aircraft to the Sturdee River Strip adjacent to the Baker Mine operated by Dupont of Canada, then by helicopter a distance of six miles.

GENERAL GEOLOGY

The precious metal properties which comprise the Toodoggone Gold camp are situated near the eastern margin of the Intermontane Belt. The vein systems at the CHAPPELLE property occur within a small window of Takla Group volcanic rocks of Upper Triassic Age, intruded by granitic stocks of the Omineca intrusives and partially overlain unconformably by Jurassic and younger volcanic and sedimentary rocks. The other precious metal occurrences near CHAPPELLE, METSANTAN, LAWYERS, KODAH AND GOLDEN NEIGHBOUR occur in structurally controlled zones of shattering in Toodoggone Group volcanics of Lower to Middle Jurassic Age. To the west of the district, the Toodoggone rocks are unconformably overlain by Sustut Group sedimentary rocks of Upper Cretaceous to Tertiary age.

The Toodoggone volcanics consist of a pile of complexly intercalated volcanic and sedimentary rocks 500 metres or more thick. The Toodoggone Group occupies an area 85 x 15 km. trending northwest and centered on the CHAPPELLE property. Three principal subdivisions can be recognized in the group.

- 1) A lower dominantly pyroclastic assemblage which includes purple agglomerates, tuffs and dacites.
- 2) An overlying acidic assemblage which includes rhyolites, dacites and quartz feldspar porphyries.
- 3) An upper assemblage which includes dacites and quartz feldspar porphyries.

The Toodoggone rocks commonly display broad folds with dips of 15-25 degrees. Steeper dips are observed where rotation and tilting of fault blocks has occurred.

TRENCHING

One trench was blasted into the gossanous area on the ARTFUL DODGER property. This blasting was completed without benefit of rock analysis because of the extreme delay in receiving assays. Bedrock was never encountered, although the trench was excavated to a depth of over 10 feet. Soil from the bottom of the trench was analysed, but was only weakly anomalous.

GEOCHEMICAL PROGRAM

A soil grid was established over the area of interest. Samples were taken at 50 metre centers from the "B" horizon at a depth of about 25 cm. Soil development was good with little or no "A" horizon. The "C" horizon was never encountered. Control for the survey was by pace compass and altimeter.

Detailed soil sampling on the ARTFUL DODGER claim has outlined several areas of weakly anomalous gold.

Background values in soil and silt were determined to be 5-19 ppb. gold and 0.3-1.9 silver, weakly anomalous values are 20-1000 ppb. gold, 2.0-3.1 ppm. silver. Moderately anomalous values are greater than 100 ppb. gold and 3.1 ppm. silver.

Silt and soil samples were placed in a standard size kraft paper envelope which had the sample number previously recorded on it. Rock samples were placed in a plastic bag and closed with a twist tie. The sample tags are known to be free of trace element contamination. Relevant soil, silt and rock data and the station location are recorded on special forms at the sample site. The samplers have been carefully trained in the basics of sample collection, geochemistry and geology.

Rock Sampling and Assays - ARTFUL DODGER

U-80-1076 Sample of bluish quartz from float about 1½'x2' partially exposed 40 metres from control survey on a bearing of 288°. 0.2 ppm. Ag., 5 ppb. Au.

Trench across silicified zone near 9 + 50W, 0 + 50N exact location 9 + 68W, 0 + 40N. Highly silicified quartz veinlets, phenocryst ghosts. Samples from trench are U-80-1077 through 1081.

U-80-1077 Starting at east of trench, sample across 3 metres of fresh quartz and silicious volcanics. 0.7 ppm. Ag., 10 ppb. Au.

U-80-1078 Sample across 3 metres taken west in trench from 1077. Silicified volcanics, quartz veinlets, fault material and pyrite. 0.7 ppm. Ag., 15 ppb. Au.

U-80-1079 Samples of silicified volcanics and quartz veinlets across 2 metres. 0.2 ppm. Ag., 20 ppb. Au.

U-80-1080 Sample of silicified volcanics and quartz veinlets (ratio 30%/70%) across 2 metres. 0.3 ppm. Ag. 5 ppb. Au.

U-80-1081 Sample from 3 pits across 2 metres at west end of trench. Abundant quartz, some gouge and fault material. 0.7 ppm. Ag., 10 ppb. Au.

U-80-1082 Quartz fragments from float on apparent strike with 1076 about 10-15 metres away. Bluish quartz with minor pyrite over an area of about 4 metres x 5 metres. 0.5 ppm. Ag., 5 ppb. Au.

U-80-1083 Quartz fragments from float about 10 metres east of 1076 scattered over an area about 5 metres x 3 metres. 0.3 ppm. Ag., 5 ppb. Au.

U-80-1084 Specimen of bluish quartz from DUPONT CHAPPELLE ground. Quartz zone striking 035° . 0.5 ppm. Ag., 10 ppb. Au.

U-80-1085 Specimens of quartz float taken north along strike (035°) over 15 metres, bluish color, some pyrite. 0.4 ppm Ag., 5 ppb. Au.

U-80-1086 Specimens of quartz float taken south along strike over 15 metres. Whitish color. 0.2 ppm. Ag. 5 ppb. Au.

U-80-1087 Specimens of quartz float from a train 045° . Breccia with yellowish jarosite. 0.1 ppm. Ag., 5 ppb. Au.

U-80-1088 11 + 50W, 1 + 50S. Massive train of silicified volcanics and quartz trending 290° . 0.1 ppm. Ag. 5 ppb. Au.

U-80-1089 Zone of silicification with quartz core over 5 metres, trending approximately 65° . Abundant yellowish oxide. Above rim of vent to south. .01 oz./ton Ag., .002 oz./ton Au.

U-80-1090 Pure jarosite on rim of vent across 30 cm. 1.7 ppm Ag., 45 ppb. Au.

U-80-1091 Pure jarosite 2 metres west of 1090 across 10 cm 1.3 ppm. Ag., 10 ppb. Au.

U-80-1092 Silt sample draining rim near head of creek 15 + 50W, 0 + 50S. Silt organic, drains north into Cirque Creek. 1.4 ppm. Ag., 200 ppb. Au.

STATEMENT OF COSTS

SILTS & SOILS

H. Awmack					
Aug 13/80	1 day	@	\$65		\$ 65.00
A. August					
Aug 13/80	1 day	@	62		62.00
M. McPhail					
Aug 13/80	1 day	@	50		50.00
D. Williams					
Aug 13/80	1 day	@	50		50.00
S. Gower					
Aug 13/80	1 day	@	150		150.00
Helicopter - 0.3 hr		@	\$436/hr		130.80
Support 4 days		@	\$50/day		200.00
150 soil samples analysed Au/Ag		@	\$8/sample		1,200.00

ROCK GEOCHEMISTRY

L. Uher

Aug 6/81 1 day @ \$ 62. \$ 62.00

S. Gower

Aug 6/81 1 day @ 150 150.00

Helicopter

0.2 hr @ \$436/hr 87.20

Support

2 days @ 50/day 100.00

8 samples

assayed Au/Ag @ 10/sample 80.00

Drafting

10 hours @ 10/hr 100.00

Report writing

1 day @ 150/day 150.00

Total \$2,637.00

APPENDIX II

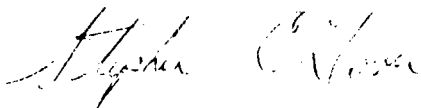
STATEMENT OF QUALIFICATIONS

STEPHEN C. GOWER

I Stephen C. Gower have been employed as a geologist by Kennco Explorations (Western) Limited, during the period of April 1970 to December 1976 and by Tacana Mining Corporation from the period of February 1977 to the present.

I graduated from the University of British Columbia in the spring of 1970 with a B.Sc. in geology, and have taken several masters courses in exploration and property evaluation.

I am a member of the C.I.M.M. in good standing.



Dated this 27 day of July at Vancouver, B.C.

Stephen C. Gower, Geologist

*MIN-EN Laboratories Ltd.**Specialists in Mineral Environments*

Corner 15th Street and Bewicke

705 WEST 15th STREET

NORTH VANCOUVER, B.C.

CANADA

ANALYTICAL PROCEDURE REPORTS FOR ASSESSMENT WORKPROCEDURES FOR: Cu, Mo, Cd, Pb, Mn, Ni, Ag, Zn

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO_3 and HClO_4 mixture.

After cooling the samples are diluted to standard volume. The solutions are analysed by Atomic Absorption Spectrophotometers.

Copper, Lead, Zinc, Silver, Cadmium, Cobalt, Nickel and Manganese are analysed using the CH_2H_2 -Air Flame combination but the Molybdenum determination is carried out by C_2H_2 - N_2O gas mixture directly or indirectly (depending on the sensitivity and detection limit required) on these sample solutions.

Background corrections for Pb, Ag, Cd upon request are completed.

*MIN-EN Laboratories Ltd.**Specialists in Mineral Environments*Corner 15th Street and Bewicke
705 WEST-15th STREET
NORTH VANCOUVER, B.C.
CANADAANALYTICAL PROCEDURE REPORTS FOR ASSESSMENT WORKPROCEDURE FOR GOLD GEOCHEMICAL ANALYSIS.

Geochemical samples for Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 5.0 or 10.0 grams are pre-treated with HNO_3 and HClO_4 mixture.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

At this stage of the procedure copper, silver and zinc can be analysed from suitable aliquote by Atomic Absorption Spectrophotometric procedure.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 5 ppb.