

MAP NO.: ASSESSMENT REPORT X  
116 B 7 PROSPECTUS  
CONFIDENTIAL X  
OPEN FILE

DOCUMENT NO: 092674  
MINING DISTRICT: Dawson  
TYPE OF WORK: Prospecting, Hand Trenching

REPORT FILED UNDER: Archer, Cathro and Associates Ltd

DATE PERFORMED: June 22-23, 1988

DATE FILED: January 17, 1989

LOCATION: LAT.: 64° 23' N

AREA: Tombstone Mountains

LONG.: 138° 40' W

VALUE \$: 7350.00

CLAIM NAME & NO.: TING 91-94 YA 10385-YA 10388 NOTING 69-70 YA 5180-YA 5181  
TING 1-10 YA 5027-YA 5036 TING 95F-96F YA 10389-YA 10390 NOTING 71-76 YA 9509-YA 9514  
TING 41-48 YA 5163-YA 5156 TING 97F-101F YA 31741-YA 31745 PROSPECTING 83-84 YA 9531-YA 9532  
TING 49-50 YA 5140-YA 5141 STONE 1-23 YB 17233-YB 17255

WORK DONE BY: D. Eaton

WORK DONE FOR: Archer, Cathro and Associates Ltd

DATE TO GOOD STANDING: REMARKS: #102 TETA  
91 MAIDEN

# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

1016-510 WEST HASTINGS STREET  
VANCOUVER, B. C. V6B 1L8

(604) 688-2568



Report on  
PROSPECTING AND HAND TRENCING PROGRAM  
at the  
TOMBSTONE PROPERTY

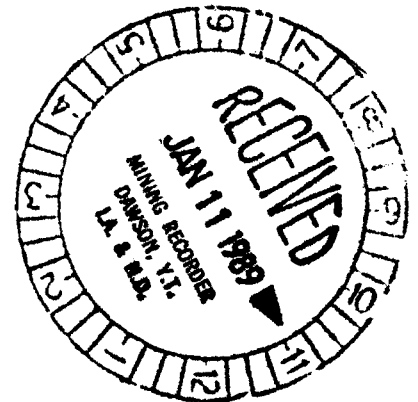
NTS 116B/7

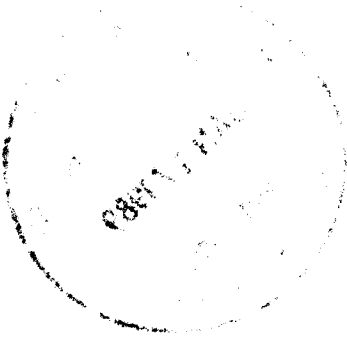
Latitude 64°23'; Longitude 138°40'

W.D. Eaton, B.A., B.Sc.

October, 1988

Work done on June 22 and 23, 1988





This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 7350.10.

*W. LeBaige*  
Regional Manager, Exploration and  
Geological Services for Commissioner  
of Yukon Territory.

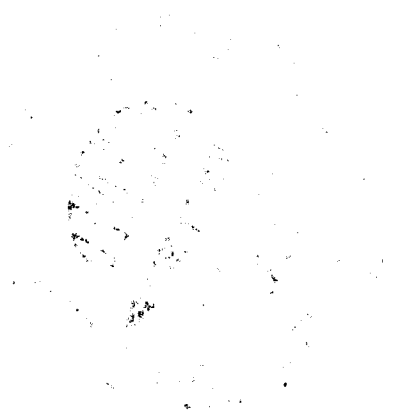


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## INTRODUCTION

The Tombstone property was staked by Ukon Joint Venture (Chevron Minerals Ltd. and Kerr Addison Mines Ltd.) in 1976 following discovery of airborne radiometric anomalies associated with the syenitic Tombstone Stock. Shortly afterward, the property was fringe staked by Urangesellschaft (Teta claims) and Mountain Minerals (Hot claims).

From 1976 to 1978, ground exploration outlined twenty-four radiometrically anomalous zones on the Tombstone property and subsequent trenching and sampling proved that uranium minerals are responsible for most of the radioactivity. During 1979, surface exploration continued and sixteen diamond drill holes, totalling 1774 m, explored beneath the best surface mineralization. In 1980, a few mandays were spent prospecting and sampling precious metal-bearing quartz veins and a stockwork molybdenite occurrence.

While Ukon Joint Venture was exploring the Tombstone property, Urangesellschaft performed minor prospecting, sampling and hand trenching on its Teta claims. Mountain Minerals optioned the Hot claims to Union Carbide in 1977 but they were returned after an airborne radiometric survey was conducted. The last of the fringe claims expired in spring, 1988.

The 1988 program at the Tombstone property included staking (Stone 1-23 claims) to cover favourable geology and uranium occurrences previously covered by the Teta and Hot claims, plus minor prospecting and hand trenching on the precious metal-bearing quartz veins. The work was done under the author's supervision on June 22 and 23. The Author's Statement of Qualifications appears in Appendix I, while personnel who worked on the program are listed in Appendix II.

PROPERTY, LOCATION AND ACCESS

The Tombstone property is an elongated block of 78 full and fractional claims lying in an arc along the southern margin of the Tombstone Stock (see Figure 1). The claims are recorded in the name of Archer, Cathro & Associates (1981) Limited with the Dawson Mining Recorder as follows:

<u>Claim Name</u>	<u>Grant Numbers</u>	<u>Expiry Date</u>
Ting 1-10	YA5027-YA5036	February 12, 1989
Ting 41-48	YA5163-YA5156*	February 12, 1989
Ting 49-50	YA5140-YA5141	February 12, 1989
Noting 51-55	YA5174-YA5178	February 12, 1989
Noting 56-59	YA5182-YA5185	February 12, 1989
Noting 60	YA5179	February 12, 1989
Noting 61-64	YA5190-YA5193	February 12, 1989
Noting 69-70	YA5180-YA5181	February 12, 1989
Noting 71-76	YA9509-YA9514	February 12, 1989
Prospecting 83-84	YA9531-YA9532	February 12, 1989
Ting 91-94	YA10385-YA10388	February 12, 1989
Ting 95F-96F	YA10389-YA10390	February 12, 1989
Ting 97F-101F	YA31741-YA31745	February 12, 1989
Stone 1-23	YB17233-YB17255	June 23, 1989

\*Note grant numbers are in reverse order.

The claims are centered at latitude 64°23'N and longitude 138°40'W within NTS map sheet 116B/7, 51 km northeast of Dawson. The nearest road point is Km 51 on the Dempster Highway, some 13.5 km east of the property. Access in 1988 was by a Bell 206B helicopter operating from a year-round base at Dawson City.



### GEOLOGICAL SETTING

The Tombstone Stock forms the core of the Tombstone Range which is characterized by numerous hanging valleys separated by almost vertical cirque walls. Valleys are wide and well mantled with debris from extinct alpine glaciation while their sides are obscured by talus slopes heading on steep walled rock faces. Local relief ranges from 1000 to 2100 m. Mappable outcrop makes up only a small portion of the area. The claims lie above timberline and vegetation consists only of grasses and scattered stunted buckbrush.

The stock is a zoned Middle Cretaceous syenitic intrusion that is subcircular in plan and about 11 km across. It cuts Mississippian quartzites, with limy and argillaceous sections, plus Lower Cretaceous or earlier mafic sills. Thermal metamorphism has produced a hornfels halo up to 1000 m wide around the stock. There is little evidence of syn- or post-intrusion faulting.

Four phases of syenite have been recognized on the property:

1) tinguaite, a variation of nepheline syenite related to phonolite; 2) fine- to medium- grained, pyritiferous, leucocratic syenite; 3) spire-forming, porphyritic syenite; and, 4) crumbly-weathering, equigranular syenite. The property geology, with brief descriptions of the geologic units, is illustrated on Figure 2 in the pocket. Detail lithological descriptions were included in the 1978 and 1979 Assessment Reports.

## MINERALIZATION

The Tombstone Stock is host to several types of mineral occurrences as described below. Figure 2 shows the location of the various occurrences.

### Uranium

Although all phases of the stock have high uranium background (16 to 60 ppm), concentrations approaching 0.50 lb  $U_3O_8$  per ton are restricted to the early tinguaites and late syenite dykes. Concentrations of uranium have been found in five environments in the tinguaites: (1) dyke-like aphanitic zones; (2) shear zones; (3) contacts between tinguaites and other rock types; (4) irregular zones of biotite and/or purple fluorite enrichment; and, (5) xenoliths of tinguaites in later syenites. A total of thirty occurrences are known, of which six are on the recently staked Stone claims.

The best surface assay obtained to date is 21.60 lb  $U_3O_8$  over one metre from a trench on the T1 Zone in Ting Cirque. The most encouraging drill results were obtained from Spotted Fawn Cirque where thirteen holes (1617 m) produced sixteen intersections, each 1.7 m or more in width, which collectively total 188.8 m with an average grade of 0.23 lb  $U_3O_8$ . The best drill intersection assayed 0.70 lb  $U_3O_8$  over 8.2 m. Based on the 1979 drill results, the average uranium content of the tinguaites is 50 ppm uranium and the syenite dykes 60 ppm uranium.

The uranium in the tinguaites usually occurs as disseminated uraninite in close association with biotite or purple fluorite. In a few areas, uraninite, sooty pitchblende and yellow uranium secondaries are found on fractures. Fluorescent uranium oxides are rare. Thorium to uranium ratios rarely exceed 1:1 in the tinguaites but average 2.5:1 in the late syenite dykes. The most common uranium-bearing minerals in the dykes are purple fluorite, zircon and sphene. Surprisingly, rare earth elements and niobium only occur in background quantities in both phases.

### Base Metals and Precious Metals

Sulphide mineralization is rarely seen in tinguaitite, even in rapidly eroding areas, and is limited to minor disseminated pyrrhotite and pyrite with traces of molybdenite along fractures. Sulphides are more common in syenite phases which are often weakly gossanous due to weathering of disseminated pyrrhotite and pyrite.

The 1979 drill results showed that syenite dykes intruding the tinguaitite contain more sulphide mineralization than surface evidence suggests, with one intersection grading 0.22% Cu and 0.27 oz/ton Ag over 88.4 m. The copper occurs as coarsely disseminated chalcopyrite with abundant arsenopyrite and pyrrhotite and minor sphalerite and galena. No specific silver mineral has been identified. Gold assays returned only trace quantities. Common gangue minerals are chlorite, dolomite, quartz, purple fluorite and calcite.

Spectacular rosettes of molybdenite have been observed on isolated fractures in the syenite while small, high grade molybdenite-bearing stockworks occasionally occur along syenite-metasediment contacts.

Arsenopyrite and chalcopyrite are found in widely spaced (50-300 m), vuggy quartz veins that cut the spire-forming porphyritic syenite. In 1980, well mineralized specimens from veins exposed on the headwall of Spotted Fawn Cirque returned up to 3.5% Cu, 9.18 oz/ton Ag and 0.464 oz/ton Au.

### RESULTS OF THE 1988 PROGRAM

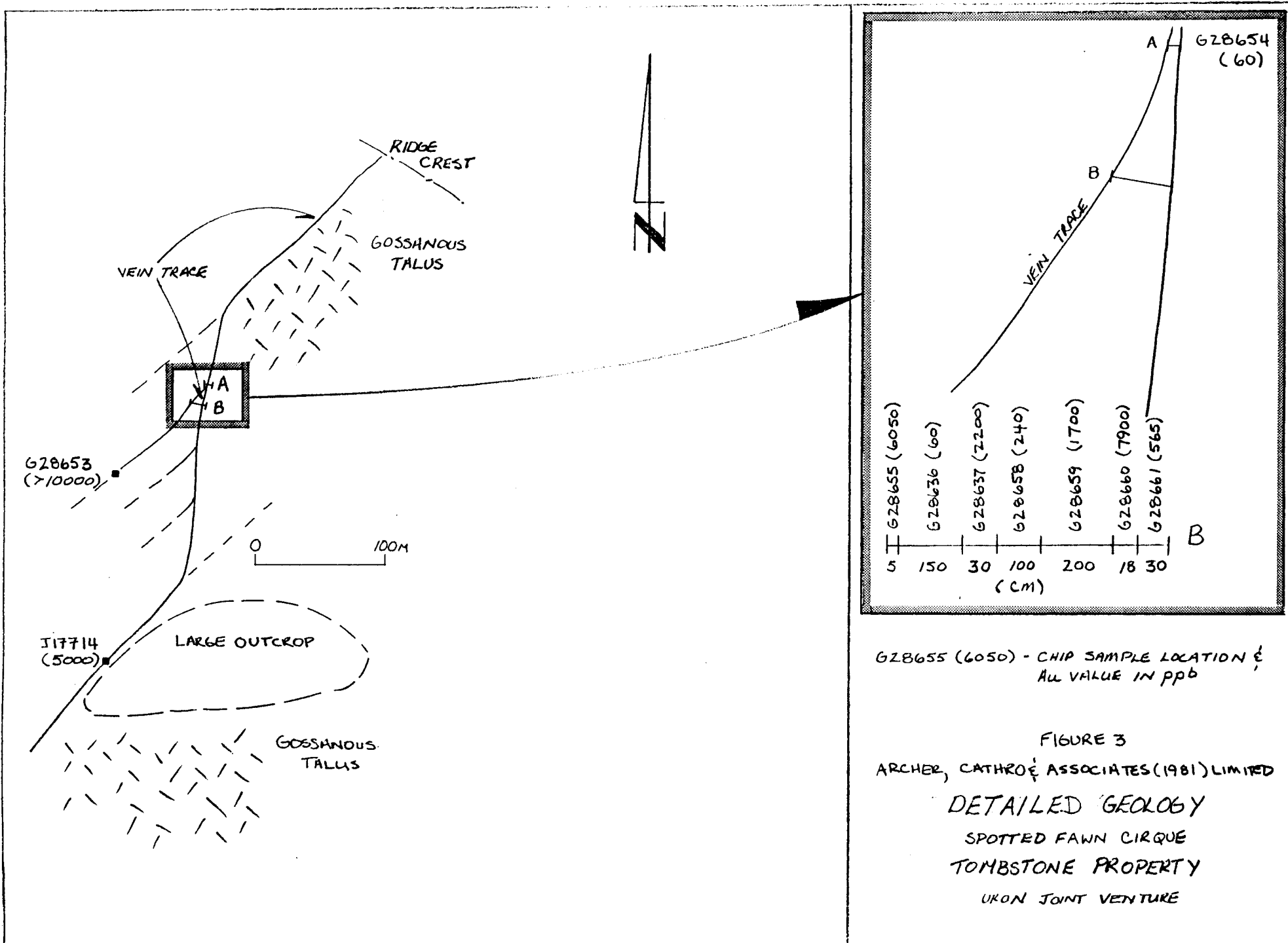
The 1988 program consisted primarily of prospecting on known veins and northeast-trending topographic linears in the cirques surrounding Tombstone Mountain and on a prominent gossan on the south wall of Teta Cirque. Two hand trenches were also dug on one of the veins at the head of Spotted Fawn Cirque.

The work located several mineralized structures (see Figure 2), most of which are narrow (less than 0.3 m), strike northeasterly and dip steeply.

Arsenopyrite and pyrite are the most common ore minerals but sulfosalts and chalcopyrite are also present, especially in the higher grade specimens. Quartz is the main gangue mineral while chlorite often forms 1 to 20 cm wide selvages. Syenite wallrocks adjacent to the veins exhibit only weak clay alteration.

Individual specimens returned strongly anomalous gold (2 greater than 10,000 ppb), silver (3 greater than 20 ppm), arsenic (19 greater than 10,000 ppm), copper (4 greater than 10,000 ppm), bismuth (2 greater than 5,000 ppm) and cobalt (3 greater than 3,000 ppm) values. Lead (up to 6,510 ppm), zinc (up to 2,760 ppm) and antimony (up to 430 ppm) values were moderately to weakly anomalous while uranium and nickel produced only background values. Complete assay results are tabulated in Appendix III. The best results come from a vein exposed in a hand trench on the gossan at the head of Spotted Fawn Cirque. A series of chip samples across the vein averaged 0.035 oz/ton Au over 5.03 m, including one sample that assayed 0.230 oz/ton over 18 cm (see Figure 3 on the following page).

Soil and rock samples taken from the strong gossan in Teta Cirque returned only weakly anomalous gold (up to 33 ppb) and arsenic (up to 345 ppm) values. The best reconnaissance soil sample (110 ppb Au and 2,630 ppm As) came from a cirque on the north side of Tombstone Mountain where no veins have yet been identified.

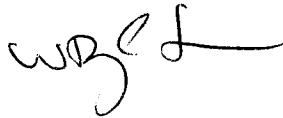


CONCLUSIONS

Although prospecting has identified several precious metal-bearing veins on the property, all appear to be too narrow and low grade to be of immediate economic interest. The main potential of the Tombstone Property is still the enormous tonnage of low grade, but unusually labile, uranium mineralization. With the addition of the Stone claims, the property now covers the entire surface exposure of the favourable tinguaitite unit and all known uranium occurrences along the southern margin of the stock.

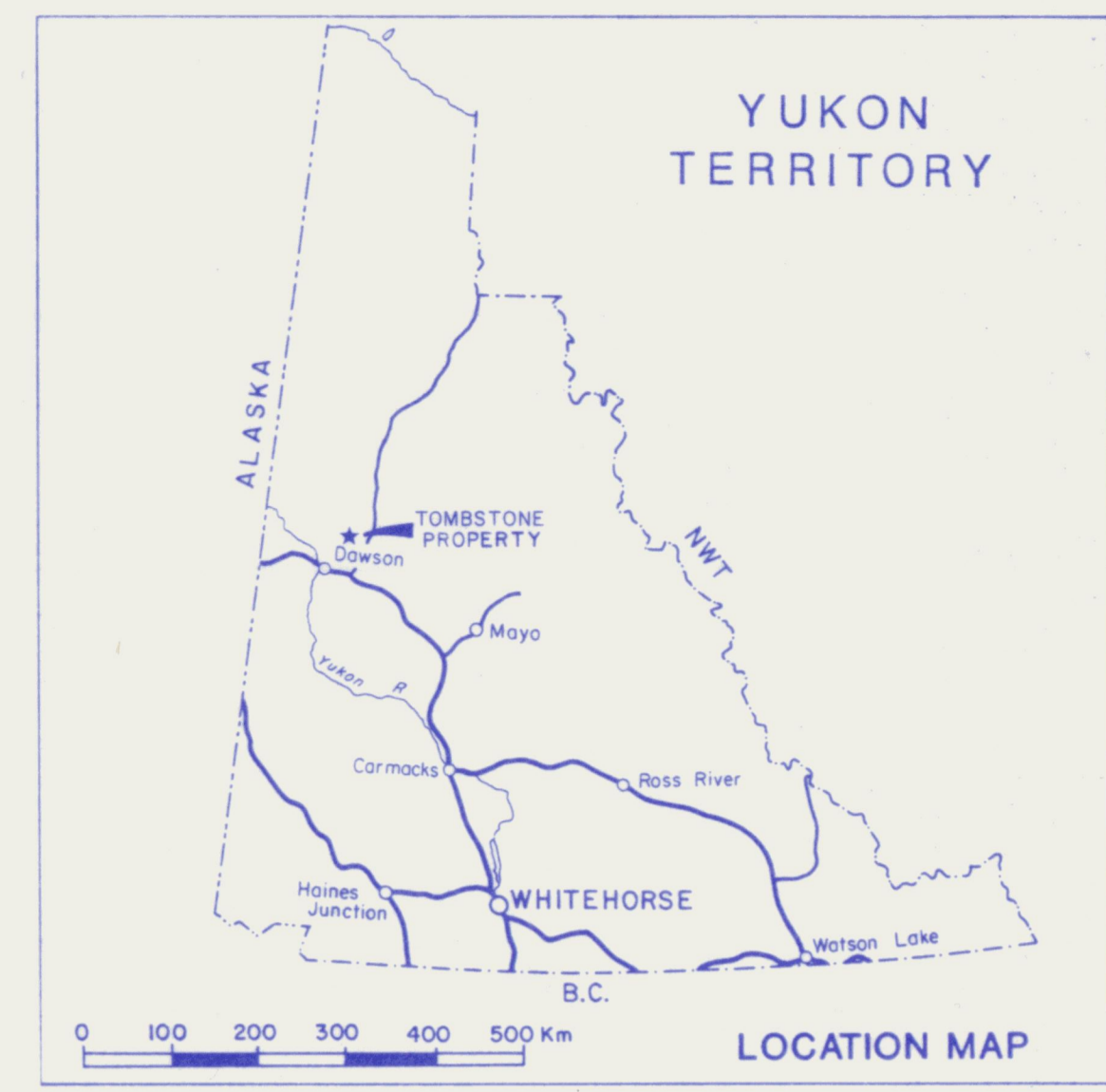
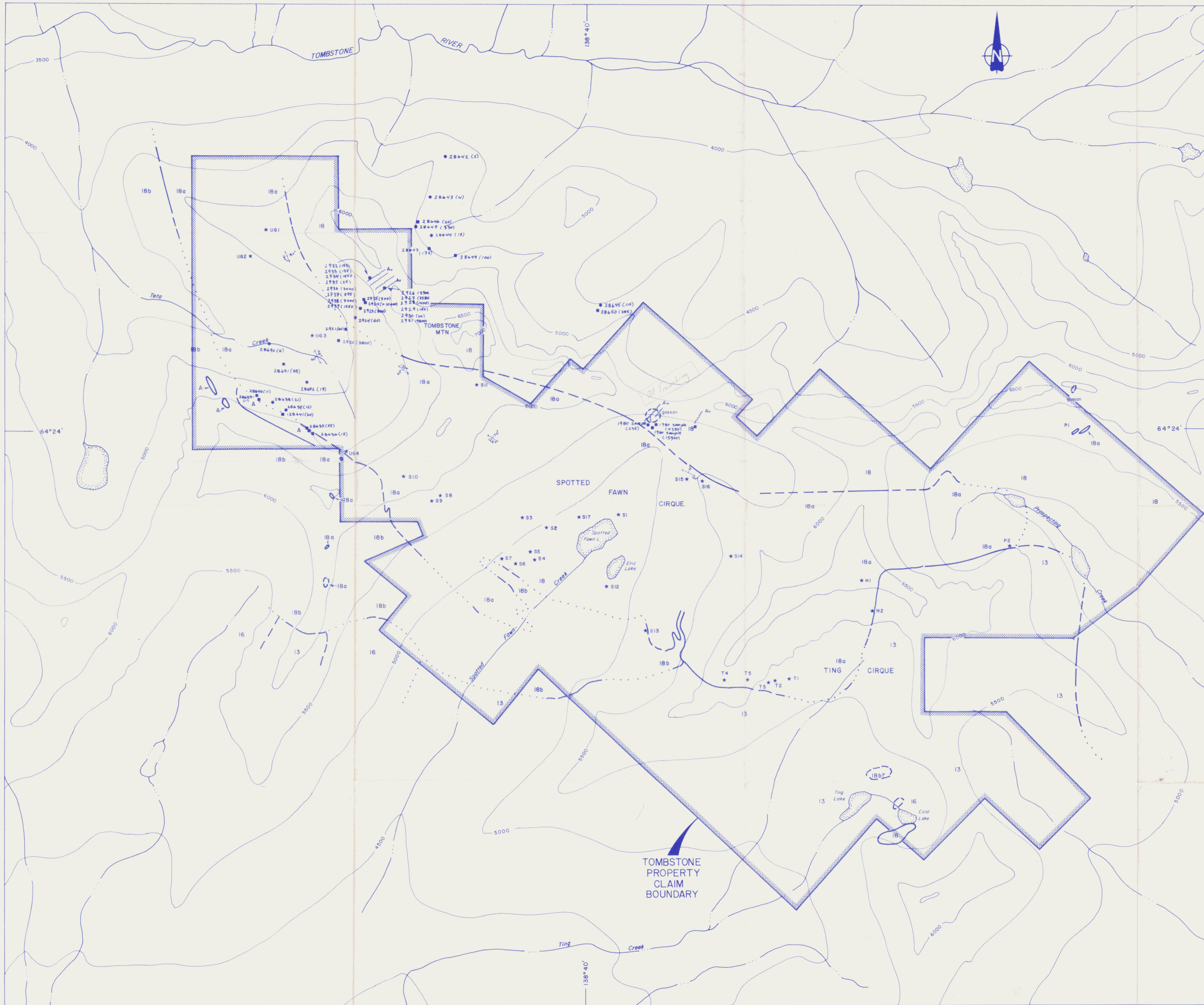
Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A handwritten signature in black ink, appearing to read 'W.D. Eaton', with a long horizontal stroke extending to the right.

W.D. Eaton, B.A., B.Sc.

/mc

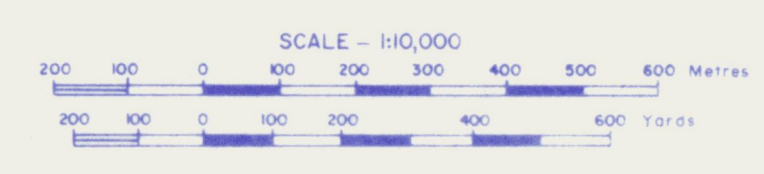


- 18b** SYENITE: crumbly weathering, coarse grained equigranular to porphyritic, abundant xenoliths of quartzite, hornfels and pseudoleucite tinguaita from a few metres up to 50 metres in diameter
  - 18** SYENITE: spire forming, coarse grained, porphyritic, no quartzite or hornfels xenoliths
  - A** PYRITIC XENOLITHS: dykes of fine to medium grained, mafic deficient syenite cutting and partially assimiliating quartzite and hornfels xenoliths. Unit is strongly gossanous due to 1%-2% disseminated pyrite plus minor disseminated arsenopyrite.
  - 18a** PSEUDOLEUCITE TINGUAITE: exhibits euhedral, stressed and aphanitic phases
  - LOWER CRETACEOUS**
  - 16** GABBRO AND DIABASE: dark brown weathering, medium grained dykes and sills
  - MISSISSIPPIAN**
  - 13** KENO HILL QUARTZITES
- geologic contacts, observed, approximate and inferred
  - ↗ foliation of stressed tinguaita
  - ★ S1 uranium occurrence
  - Au gold vein
  - 28644 (13) 1988 rock sample location with sample number and gold value in ppb
  - 28637 (12) 1988 soil sample location with sample number and gold value in ppb

TOMBSTONE PROPERTY CLAIM BOUNDARY

Figure 2  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**GEOLOGY**  
TOMBSTONE PROPERTY  
UKON JOINT VENTURE



640

092674

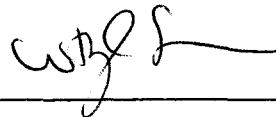
APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, W. Douglas Eaton, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia, and residential address in Burnaby, British Columbia, do hereby declare:

1. I graduated from the University of British Columbia in 1980 with a B.Sc.
2. From 1971 to present, I have been actively engaged in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981, I became a partner in Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.



---

W. Douglas Eaton, B.A., B.Sc.

APPENDIX II  
LIST OF PERSONNEL

LIST OF PERSONNEL

<u>NAME</u>	<u>POSITION</u>	<u>DATES ON PROPERTY</u>
W.D. Eaton	Geologist	June 22-23, 1988
D. Lister	Prospector	June 22-23, 1988
B. Wengyznowski	Prospector	June 22-23, 1988
G. Cockell	Prospector	June 22-23, 1988

APPENDIX III  
ASSAY CERTIFICATES



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers  
212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

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WHITEHORSE, Y.T.  
Y1A 3S9

Project: TOMBSTONE

Comments:

Page No. : 1-A  
Tot. : 2  
Date : 7-JUL-88  
Invoice # : I-8817744  
P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8817744

SAMPLE DESCRIPTION	PREP CODE	Au ppb F+AA	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
G 2920	208 238	3500 ✓	0.41	>200	>10000	40	0.5	928	0.59	0.3	428	132	>10000	11.20	< 10	< 1	0.17	10	0.04	108
G 2921	208 238	60 ✓	0.81	33.6	275	10	3.5	< 2	0.66	1.0	11	118	>10000	>15.00	< 10	< 1	0.12	70	0.12	339
G 2922	208 238	40 ✓	0.62	2.0	110	60	2.5	6	1.49	< 0.5	15	40	186	3.99	< 10	< 1	0.38	170	0.58	485
G 2923	208 238	800 ✓	0.74	>200	>10000	40	< 0.5	>10000	1.24	3.0	95	45	4180	>15.00	< 10	5	0.46	20	0.03	477
G 2924	208 238	>10000 ✓	0.05	>200	>10000	10	< 0.5	5020	0.63	< 0.5	5380	35	6660	>15.00	< 10	< 1	0.08	10	0.01	33
G 2925	208 238	900 ✓	0.16	194.0	>10000	< 10	< 0.5	524	1.33	2.5	139	74	>10000	>15.00	< 10	< 1	0.06	10	0.02	218
G 2926	208 238	3900 ✓	0.31	124.0	>10000	10	< 0.5	526	0.43	8.5	616	24	3530	>15.00	< 10	< 1	0.12	10	0.04	935
G 2927	208 238	7580 ✓	0.30	66.0	>10000	20	< 0.5	1570	0.05	< 0.5	430	86	1145	>15.00	< 10	< 1	0.22	10	0.03	212
G 2928	208 238	1400 ✓	0.96	35.0	>10000	50	< 0.5	256	0.43	< 0.5	206	102	170	>15.00	< 10	< 1	0.44	20	0.13	3610
G 2929	208 238	150 ✓	0.25	2.2	4760	10	2.0	18	0.08	0.5	8	193	74	5.94	< 10	< 1	0.11	< 10	0.02	424
G 2930	208 238	20 ✓	0.83	0.6	440	50	1.0	6	0.52	< 0.5	< 1	268	27	2.79	< 10	1	0.36	30	0.04	196
G 2931	208 238	9800 ✓	0.46	78.0	>10000	20	< 0.5	964	0.04	0.5	2630	34	213	>15.00	< 10	< 1	0.18	60	0.02	234
G 2932	208 238	195 ✓	0.79	1.6	2900	10	0.5	6	0.20	0.5	64	14	150	>15.00	< 10	< 1	0.03	190	0.06	>10000
G 2933	208 238	135 ✓	0.70	0.4	7600	20	1.0	4	0.16	0.5	134	11	18	6.11	< 10	< 1	0.13	80	0.07	2060
G 2934	208 238	1550 ✓	0.20	12.8	>10000	50	< 0.5	42	0.02	9.0	185	56	44	13.90	< 10	< 1	0.18	10	0.02	6340
G 2935	208 238	25 ✓	0.35	19.4	195	820	< 0.5	44	0.01	1.5	< 1	196	53	1.33	< 10	< 1	0.19	10	0.01	69
G 2936	208 238	3000 ✓	0.46	27.2	>10000	40	< 0.5	224	0.06	< 0.5	61	44	60	7.87	< 10	< 1	0.41	10	0.03	2260
G 2937	208 238	575 ✓	0.32	3.2	>10000	20	0.5	26	0.15	< 0.5	60	53	17	3.01	< 10	< 1	0.29	10	0.01	720
G 2938	208 238	7000 ✓	0.56	48.0	>10000	60	< 0.5	422	0.27	0.5	279	45	572	>15.00	20	< 1	0.30	20	0.03	119
G 2939	208 238	1550 ✓	1.05	17.0	>10000	60	1.0	164	0.14	1.0	173	31	246	11.10	10	< 1	0.32	70	0.08	560
G 28635	208 238	55 ✓	0.41	0.8	950	10	1.0	4	3.62	2.0	13	24	34	3.17	< 10	< 1	0.06	40	0.40	703
G 28636	208 238	15 ✓	1.21	1.0	205	60	2.0	< 2	3.34	< 0.5	13	24	34	4.96	< 10	< 1	1.08	80	1.34	687
G 28639	208 238	< 5 ✓	2.51	0.4	250	60	1.0	4	1.70	< 0.5	6	33	22	3.42	< 10	1	0.20	50	0.28	199
G 28641	208 238	20 ✓	1.13	0.6	65	70	0.5	< 2	0.85	< 0.5	11	81	19	3.92	< 10	1	0.53	60	0.80	562
G 28646	208 238	20 ✓	1.22	0.4	30	80	1.5	< 2	0.30	2.5	7	150	7	5.08	< 10	< 1	0.82	50	0.08	2050
G 28647	208 238	390 ✓	0.79	2.4	160	40	1.5	50	0.82	< 0.5	12	44	29	9.29	< 10	< 1	0.43	30	0.13	3610
G 28648	208 238	275 ✓	0.92	28.6	>10000	30	21.5	376	0.44	< 0.5	58	60	1865	14.05	< 10	< 1	0.41	20	0.12	592
G 28649	208 238	100 ✓	1.12	3.4	2240	10	1.0	10	0.64	< 0.5	34	45	529	11.10	< 10	< 1	0.27	110	0.09	1910
G 28650	208 238	385 ✓	1.02	4.8	770	110	3.0	60	0.65	< 0.5	15	133	1625	5.84	< 10	< 1	0.40	40	0.14	1195
G 28651	208 238	10 ✓	0.39	0.4	1625	50	1.0	6	0.53	< 0.5	14	67	17	7.16	< 10	1	0.20	30	0.07	2060
G 28652	208 238	< 5 ✓	0.24	0.2	>10000	90	1.0	2	6.79	< 0.5	4	65	4	2.61	< 10	27	0.11	< 10	0.30	3630
G 28653	208 238	>10000 ✓	0.10	82.0	>10000	50	1.0	662	0.14	4.0	3690	22	5920	>15.00	< 10	< 1	0.04	< 10	0.01	228
G 28654	208 238	60 ✓	1.45	2.0	410	70	2.0	4	0.31	< 0.5	24	24	503	9.44	10	< 1	0.53	80	0.29	793
G 28655	208 238	6050 ✓	3.07	12.6	>10000	60	< 0.5	644	0.10	< 0.5	3410	9	493	>15.00	10	< 1	1.43	10	0.34	647
G 28656	208 238	60 ✓	1.84	1.4	745	70	0.5	4	0.15	< 0.5	47	12	247	11.40	10	< 1	1.25	40	0.24	427
G 28657	208 238	2200 ✓	2.43	38.0	>10000	70	< 0.5	748	0.48	< 0.5	626	41	5030	>15.00	< 10	< 1	1.25	60	0.31	1165
G 28658	208 238	240 ✓	1.44	2.0	800	100	2.0	74	0.62	< 0.5	15	19	176	7.63	< 10	< 1	0.83	80	0.39	596
G 28659	208 238	1700 ✓	1.58	11.2	845	70	2.0	134	0.59	2.5	61	31	2250	>15.00	< 10	< 1	0.33	80	0.20	1265
G 28660	208 238	7900 ✓	0.37	42.0	9170	70	< 0.5	786	0.23	3.5	63	80	245	8.24	< 10	5	0.16	< 10	0.03	1020
G 28661	208 238	565 ✓	1.03	4.2	2860	180	1.0	36	0.08	2.0	8	68	229	4.84	< 10	1	0.31	40	0.05	250

CERTIFICATION :



# Chemex Labs Ltd.

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 Invoice # : I-8817744  
 P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8817744

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
G 2920	208	238	4	0.01	17	< 10	1320	90	1	13	< 0.01	< 10	< 10	6	< 5	299
G 2921	208	238	10	0.12	4	< 10	32	5	2	31	< 0.01	< 10	< 10	53	180	482
G 2922	208	238	2	0.17	10	1870	44	< 5	4	75	0.29	< 10	< 10	37	< 5	99
G 2923	208	238	17	0.03	3	< 10	6510	295	2	51	< 0.01	10	20	12	< 5	606
G 2924	208	238	15	0.02	58	< 10	1800	430	1	6	< 0.01	20	10	4	< 5	74
G 2925	208	238	4	0.01	5	< 10	670	60	1	5	< 0.01	10	< 10	6	< 5	500
G 2926	208	238	26	< 0.01	5	< 10	428	115	2	45	< 0.01	20	10	8	< 5	1015
G 2927	208	238	34	< 0.01	37	20	636	110	1	51	< 0.01	< 10	< 10	9	< 5	247
G 2928	208	238	11	< 0.01	1	290	304	40	3	60	< 0.01	< 10	< 10	18	< 5	116
G 2929	208	238	4	< 0.01	4	210	532	10	< 1	13	< 0.01	< 10	< 10	22	< 5	236
G 2930	208	238	49	0.01	4	60	54	5	< 1	40	< 0.01	< 10	< 10	19	< 5	63
G 2931	208	238	351	< 0.01	18	10	804	80	2	33	< 0.01	< 10	< 10	18	< 5	289
G 2932	208	238	1065	0.02	5	20	94	10	2	22	< 0.01	< 10	< 10	112	< 5	281
G 2933	208	238	9	0.02	2	350	12	< 5	2	35	< 0.01	< 10	< 10	27	< 5	112
G 2934	208	238	8	< 0.01	3	30	1150	10	1	10	< 0.01	< 10	< 10	19	< 5	2760
G 2935	208	238	< 1	< 0.01	6	20	212	10	< 1	106	< 0.01	< 10	< 10	7	< 5	570
G 2936	208	238	1	< 0.01	8	70	540	5	1	25	< 0.01	< 10	< 10	9	< 5	294
G 2937	208	238	1	< 0.01	10	30	132	5	< 1	74	< 0.01	< 10	< 10	6	< 5	127
G 2938	208	238	23	< 0.01	1	< 10	778	145	1	87	< 0.01	< 10	10	17	< 5	204
G 2939	208	238	10	0.01	3	100	418	40	1	77	< 0.01	< 10	< 10	23	< 5	608
G 28635	208	238	2	0.04	13	1560	46	< 5	5	132	0.15	< 10	< 10	46	60	368
G 28636	208	238	20	0.08	13	1820	258	5	4	197	0.32	< 10	< 10	83	5	241
G 28639	208	238	11	0.13	3	1210	28	10	4	175	0.19	< 10	< 10	42	< 5	42
G 28641	208	238	6	0.12	6	990	46	< 5	9	48	0.36	< 10	< 10	67	30	89
G 28646	208	238	9	< 0.01	3	230	164	< 5	1	37	< 0.01	< 10	< 10	9	< 5	768
G 28647	208	238	19	< 0.01	3	120	218	10	2	97	< 0.01	< 10	< 10	17	< 5	445
G 28648	208	238	5	< 0.01	4	60	394	20	2	18	< 0.01	< 10	10	18	< 5	182
G 28649	208	238	39	0.01	2	10	76	35	1	29	0.02	< 10	90	8	< 5	166
G 28650	208	238	1	< 0.01	3	100	18	< 5	1	177	< 0.01	< 10	< 10	7	< 5	52
G 28651	208	238	2	< 0.01	1	210	22	< 5	2	130	< 0.01	< 10	< 10	9	< 5	158
G 28652	208	238	12	< 0.01	2	350	8	20	1	730	< 0.01	< 10	< 10	15	< 5	43
G 28653	208	238	14	< 0.01	5	< 10	1400	80	1	12	< 0.01	10	< 10	3	< 5	1100
G 28654	208	238	7	0.01	2	630	16	< 5	4	48	0.05	< 10	< 10	37	< 5	127
G 28655	208	238	59	< 0.01	12	< 10	74	60	3	25	0.01	20	< 10	23	< 5	126
G 28656	208	238	3	0.01	3	180	12	< 5	2	38	0.07	< 10	< 10	36	< 5	108
G 28657	208	238	6	< 0.01	15	450	726	10	4	34	0.07	< 10	< 10	37	140	588
G 28658	208	238	1	0.01	2	930	40	< 5	4	117	0.13	< 10	< 10	50	< 5	169
G 28659	208	238	4	< 0.01	4	710	322	5	5	202	< 0.01	< 10	< 10	40	< 5	1140
G 28660	208	238	15	< 0.01	3	40	2330	55	1	17	< 0.01	< 10	< 10	9	55	1130
G 28661	208	238	3	< 0.01	3	230	506	10	2	78	< 0.01	< 10	< 10	32	< 5	707

CERTIFICATION :

*BCG*



# Chemex Labs Ltd.

Analytical Chemists • Geochemists • Registered Assayers  
212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1  
PHONE (604) 984-0221

T ARCHER CATIRO & ASSOC. (1981) LTD.

BOX 4127, 3125 3RD AVE.  
WHITEHORSE, Y.T.  
Y1A 3S9

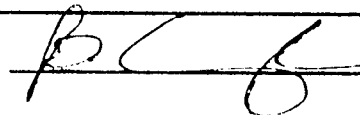
Project : TOMBSTONE  
Comments :

Page # : 2-A  
Tot. : 2  
Date : 7-JUL-88  
Invoice # : I-8817744  
P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8817744

SAMPLE DESCRIPTION	PREP CODE		Au ppb	Al %	Ag ppm	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
			FA+AA																		
J 17714	208	238	5000 ✓	0.39	74.2	>10000	30	1.5	614	0.69	1.0	972	144	>10000	9.10	< 10	< 1	0.12	10	0.01	43

SEE  
PAGE  
208/238

CERTIFICATION : 



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212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-1C1

PHONE (604) 984-0221

To: ARCHER CAIHO & ASSOC. (1981) LTD.

Box 4127, 3125 3RD AVE.  
WHITEHORSE, Y.T.  
Y1A 3S9

Project: TOMBSTONE

Comments:

Page No.: 2-B

Tot. P: 2

Date: 7-JUL-88

Invoice #: I-8817744

P.O. #: NONE

## CERTIFICATE OF ANALYSIS A8817744

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Ti	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
J 17714	208	238	6	< 0.01	4	< 10	1365	65	1	27	< 0.01	< 10	< 10	7	455	602

CERTIFICATION :



# Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

T. ARCHER CATIRO & ASSOC. (1981) LTD.

BOX 4127, 3125 3RD AVE.

WHITEHORSE, Y.T.

Y1A 0S9

Project : TOMBSTONE

Comments:

Page # : 1-A

Tot. # : 1

Date : 4-JUL-88

Invoice # : I-8817745

P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8817745

SAMPLE DESCRIPTION	PREP CODE		Au NAA	Al	Ag	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			ppb	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
G 28637	203	238	12 ✓	1.51	< 0.2	15	80	2.5	< 2	0.82	0.5	15	23	30	7.71	< 10	< 1	0.14	70	0.41	615
G 28638	203	238	21 ✓	2.17	0.2	285	90	3.0	4	0.92	< 0.5	12	45	53	8.87	< 10	< 1	0.40	70	0.60	775
G 28640	203	238	11 ✓	1.81	0.6	115	90	5.0	< 2	1.18	1.5	15	33	46	6.07	10	< 1	0.38	80	0.57	1310
G 28642	203	238	2 ✓	1.04	< 0.2	< 5	60	0.5	< 2	0.18	< 0.5	3	117	12	1.74	< 10	< 1	0.11	30	0.20	172
G 28643	203	238	4 ✓	1.17	< 0.2	< 5	50	1.5	< 2	0.27	0.5	6	56	10	2.05	< 10	< 1	0.08	60	0.23	494
G 28644	203	238	13 ✓	0.37	0.2	10	80	1.5	< 2	1.22	0.5	4	47	42	3.15	< 10	< 1	0.15	100	0.08	516
G 28645	203	238	110 ✓	0.51	< 0.2	2630	230	1.5	46	0.10	< 0.5	5	38	16	6.30	< 10	< 1	0.34	60	0.05	548
G 28690	203	238	6 ✓	1.33	< 0.2	55	40	2.0	< 2	0.09	< 0.5	4	21	7	3.04	< 10	< 1	0.35	20	0.32	522
G 28691	203	238	33 ✓	2.68	0.4	345	90	6.5	< 2	0.64	0.5	24	31	82	6.81	10	< 1	0.42	150	0.52	1255
G 28692	203	238	19 ✓	2.14	< 0.2	315	130	5.0	< 2	0.61	< 0.5	18	39	60	9.04	< 10	< 1	0.27	80	0.63	1145

CERTIFICATION :



# Chemex Labs Ltd.

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212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

T RCHER CATHRO & ASSOC. (1981) LTD.

BOX 4127, 3125 3RD AVE.  
WHITEHORSE, Y.T.  
Y1A 3S9

Project : TOMBSTONE

Comments:

Page N : 1-B  
Tot. P : 1  
Date : 4-JUL-88  
Invoice # : I-8817745  
P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8817745

SAMPLE DESCRIPTION	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
G 28637	203	238	7	0.06	1	980	54	< 5	4	492	0.20	< 10	< 10	44	10	105
G 28638	203	238	8	0.05	4	1290	200	5	6	220	0.20	< 10	< 10	74	< 5	150
G 28640	203	238	5	0.06	15	1000	196	< 5	5	208	0.21	< 10	< 10	74	10	379
G 28642	203	238	3	0.05	6	540	20	< 5	2	29	0.09	< 10	< 10	34	5	33
G 28643	203	238	5	0.03	8	520	190	< 5	2	25	0.09	< 10	< 10	40	10	174
G 28644	203	238	3	0.03	1	600	66	< 5	2	126	0.19	< 10	< 10	87	5	70
G 28645	203	238	7	0.02	< 1	320	98	< 5	2	99	< 0.01	< 10	< 10	23	5	86
G 28690	203	238	19	0.02	2	430	28	< 5	2	25	0.14	< 10	< 10	38	15	79
G 28691	203	238	22	0.07	9	1010	206	< 5	5	196	0.14	< 10	< 10	49	15	368
G 28692	203	238	11	0.04	6	1060	230	< 5	6	307	0.12	< 10	< 10	61	< 5	243

CERTIFICATION :



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 BROOKSBANK AVE., NORTH VANCOUVER,  
BRITISH COLUMBIA, CANADA V7J-2C1

PHONE (604) 984-0221

TRADER CATHRO & ASSOC. (1981) LTD.

BOX 4127, 3125 3RD AVE.  
WHITEHORSE, Y.T.  
Y1A 3S9

Project : TOMBSTONE

Comments:

Page # : 1  
Tot. # : 1  
Date : 14-JUL-88  
Invoice # : I-8818770  
P.O. # : NONE

## CERTIFICATE OF ANALYSIS A8818770

SAMPLE DESCRIPTION	PREP CODE	Au FA g/tonne	Ag FA g/tonne								
G 2920	214 ---	-----	286.0								
G 2923	214 ---	-----	2294								
G 2924	214 ---	12.10	551.5								
G 28653	214 ---	21.30	-----								

*B. J. Swartz*

# ARCHER, CATHRO

& ASSOCIATES LIMITED

CONSULTING GEOLOGICAL ENGINEERS

VANCOUVER, B.C. (604) 688-2568

Box 4127, WHITEHORSE, Y.T. Y1A 3S9 (403) 667-4415

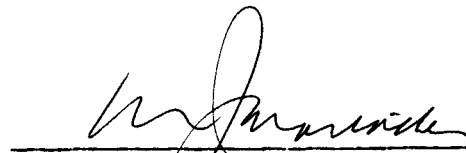
1016 - 510 WEST HASTINGS STREET  
VANCOUVER, B.C. V6B 1L8

092674

## AFFIDAVIT

I, Joan Mariacher, of Whitehorse, Yukon make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the Ting 1-10, 41-50, 91-94, 95F-101F, Noting 51-64, 69-76, Prospecting 83-84 and Stone 1-23 mineral claims on Claim Sheet 116B/7 is accurate.

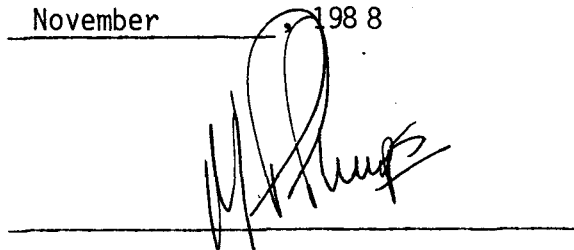


Joan Mariacher

Sworn before me at Whitehorse, Yukon

this 25th day of

November, 1988



Notary, Yukon Territory



Statement of Expenditures  
Ting 1-10,41-50,91-94,95F-101F,Noting 51-64,69-76  
Prospecting 83-43,Stone 1-23 Mineral Claims  
November 25, 1988

Labour

W.D. Eaton - 43 hours at \$50/hr	\$2,150.00	
B. Wengzynowski - 2 days at \$200/day	400.00	
D. Lister - 1 day at \$175/day	175.00	
G. Cockell - 2 days at \$150/day	<u>300.00</u>	\$3,025.00

Management

327.75

Helicopter - Trans North Air

2,206.80

Field Expenses - Room and board, gasoline etc.

650.01

Assays and Shipping

940.12

Drafting, Printing and Secretarial

201.02

\$7,350.70

# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

1016-510 WEST HASTINGS STREET  
VANCOUVER, B. C. V6B 1L8

(604) 688-2568

In Account With  
Chevron Resources Ltd.  
September 30, 1988

Re: Tombstone Project

Expenses

Long Distance Calls .....	\$28.38
M. Beitel, 1/4 hour @ \$24/hr .....	6.00
C.A.L. Freight .....	91.20
Integraphics .....	<u>22.71</u>

\$148.29

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

/mc  
Att.

A.R. Archer.

IN ACCOUNT WITH  
 CHEYENNE MINERALS LTD.  
 JUNE 20, 1968

TERRA BILLING

Re: TOMBSTONE PROJECT, YUKON

W. EATON - 29 hrs @ \$50/h	-	1450.00
B. WRANCZYNSKI - 2 day @ \$200/d	-	400.00
D. LISTER - 2 day @ 175/d	-	350.00
G. COCKELL - 2 day @ 150/d	-	300.00
J. MERRITT - 1/2 hr @ \$35/h	-	17.50

2517.50

EXPENSES

CORP. COPIER	-	2.45
NELSONS HANDWORK	-	71.41
John Bldg. Supply	-	245.00
Rec. Cen, 1/2 cord STONE 1-23	-	254.50
Telephone	-	1.36

574.22

PLUS 6% MANAGEMENT 34.45

3126.17

# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

## CONSULTING GEOLOGICAL ENGINEERS

Box 4127, 3125 Third Avenue  
Whitehorse, Y.T. Y1A 3S9

(403) 667-4415

IN ACCOUNT WITH  
CHEVRON MINERALS LIMITED  
JULY 31, 1988

### INTERIM BILLING

Re: TOMBSTONE PROJECT, YUKON

#### Labour

R. Beitel - 1/2 hr @ \$24/hour	\$ 12.00	
J. Mariacher - 1 1/4 hr expediting @ \$35/hr	43.75	
D. Eaton - 6 hr @ \$50/hr	<u>300.00</u>	
		\$ 355.75

#### Expenses

Drafting - 1 hr @ \$28/hr	\$ 28.00	
Xerox copies - 55 @ \$0.25	13.75	
Sunrise Service	34.00	
Chemex Labs	812.47	
Trans North Helicopter	2,819.80	
D. Eaton, crew travel expenses	544.60	
Hougens Photo	25.12	
Chemex Labs	<u>36.45</u>	
		4,314.19

#### Management

6% of expenses		258.85
		<u>\$4,928.79</u>
		=====

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

  
A.R. Archer

ARA/rtb