

26,714

ASSESSMENT REPORT

on

ROCK GEOCHEMISTRY

TAC PROPERTY

Tackle Creek / Wild Horse River Area
Fort Steele Mining Division

TRIM 82G.073
UTM 5512000N 603500E

For

National Gold Corp.
600 - 890 West Pender St.
Vancouver, B.C.
V6C 1J9

by

Peter Klewchuk. P.Geo.

November, 2001

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1.00 INTRODUCTION

1.10 Location and Access

The Tac Property is located in southeastern British Columbia in the Fort Steele Mining Division near the eastern edge of the Rocky Mountain Trench and is centered in the upper part of the Tackle Creek drainage, approximately at UTM coordinates 5,512,000N, 603,500E (Fig. 1).

Access is via the logging road up the west side of the Wild Horse River; an old logging / exploration road currently not passable by four wheel truck extends up the lower part of Tackle Creek. The northwestern corner of the property can be accessed on foot from the old Estella Mine workings which can be reached by road from Wasa Lake.

1.20 Property

The Tac property includes the Tac 1 to 15 mineral claims, a contiguous block of 32 claim units in one 4-post and fourteen 2-post mineral claims (Fig.2). The Tac claims are registered in the name of Supergroup Holdings Ltd. of Cranbrook B.C. and are currently under option to National Gold Corporation of Vancouver, B.C.

1.30 Physiography

The Tac property is situated near the eastern edge of the Rocky Mountain Trench, on the westernmost flank of the Hughes Range of the Rocky Mountains. The claims are centered in the upper part of Tackle Creek, an east-flowing tributary of the Wild Horse River. The property extends both north and south into adjacent tributary drainages. Topography is mostly steep and mountainous with elevation ranging from 1575 to 2360 meters. Vegetation is sparse on south facing slopes but thick on north and east facing slopes; it includes alder, spruce, pine and fir.

1.40 History

In the late 1980's, Placer Dome Inc. of Vancouver, B.C. conducted exploration in the Tackle Creek area. Their work included soil and rock geochemistry with encouraging values of gold, silver, lead and zinc (eg Fox, 1990; AR 20,202).

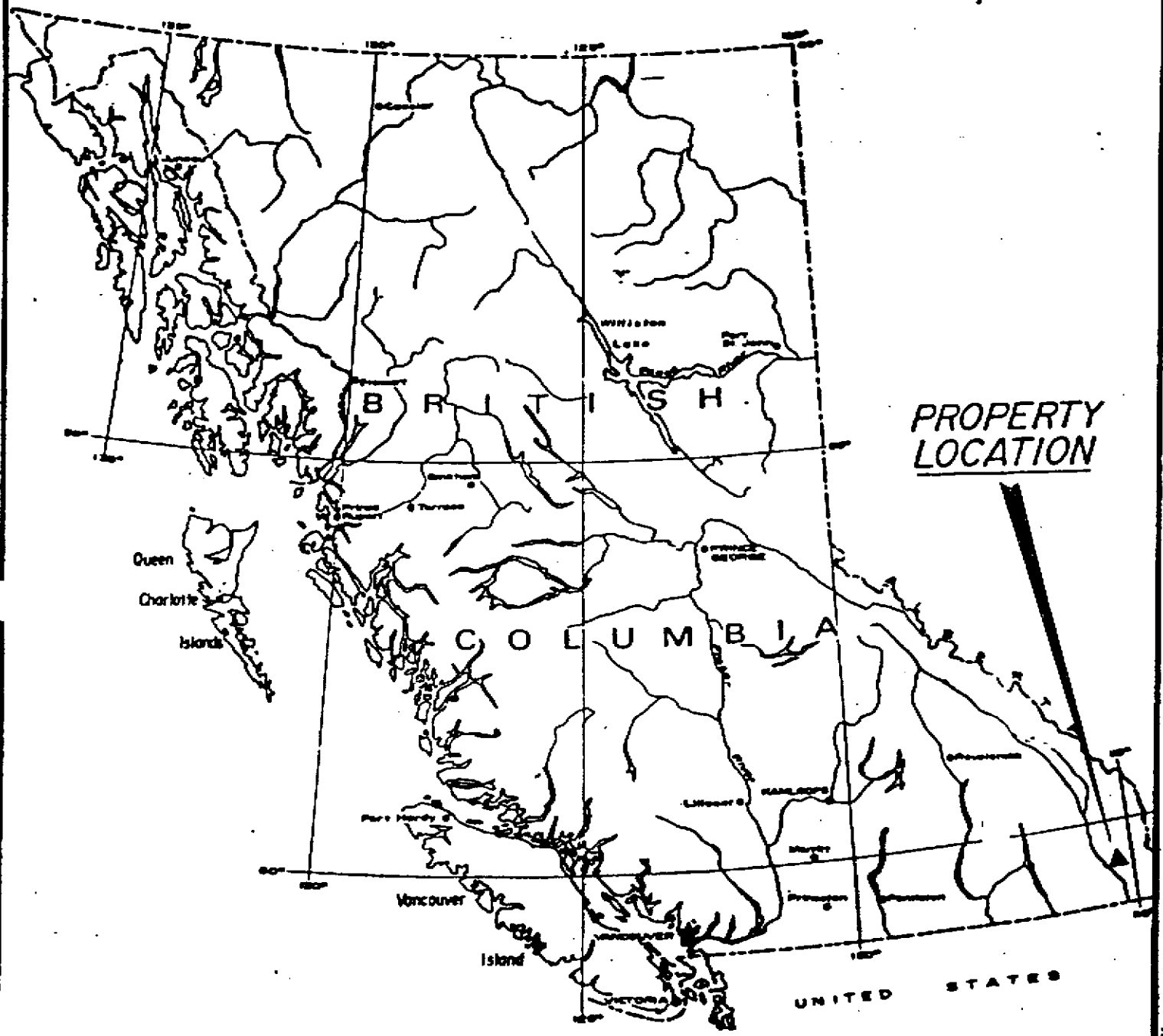


Figure 1. TAC PROPERTY LOCATION MAP



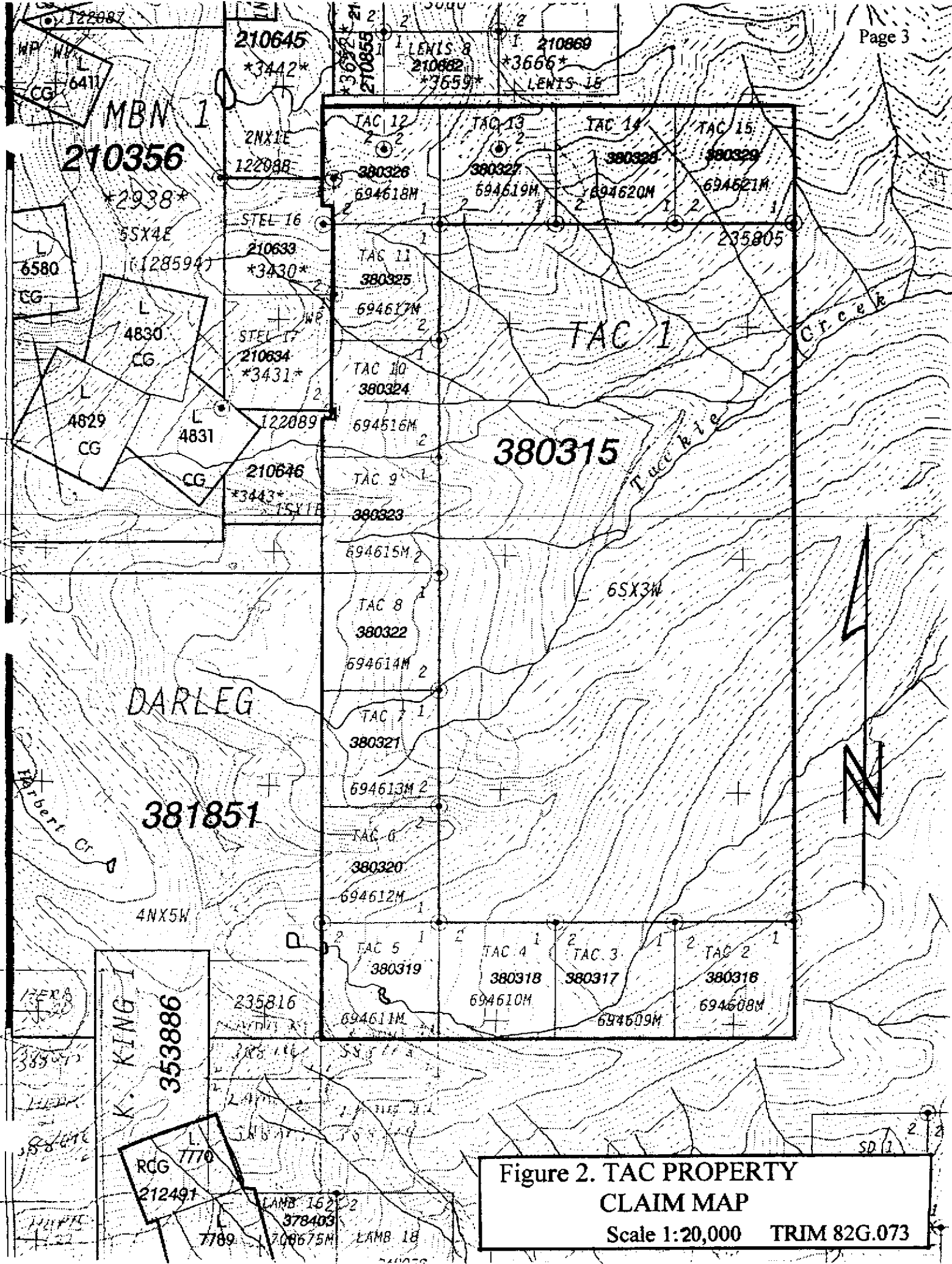


Figure 2. TAC PROPERTY CLAIM MAP
 Scale 1:20,000 TRIM 82G.073

1.50 Scope of Present Program

In 2001 a rock geochemistry program was conducted over much of the Tac claims as a follow-up program to Placer Domes's soil and rock geochemistry results. Samples were collected by Mike Kennedy, Sean Kennedy and Tom Kennedy of Kimberley and Cranbrook, B.C. A total of 30 rock samples were collected and analyzed during the course of the program.

2.00 GEOLOGY

2.10 Regional Geology

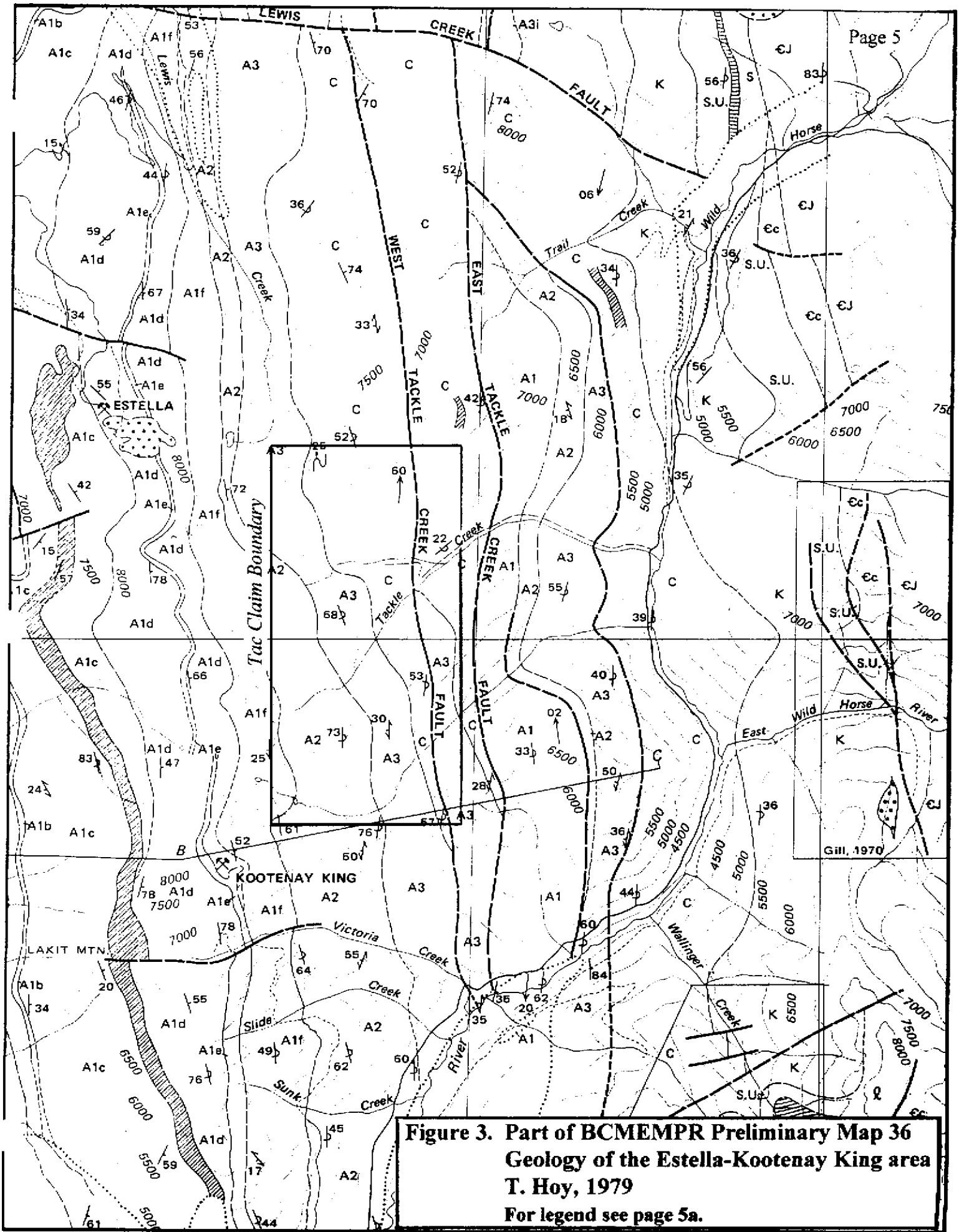
The Tac property occurs near the east side of the Rocky Mountain Trench, within the Fernie (West Half) map sheet (Leech, 1960) and is also included in BCMEMPR Preliminary Map 36 by Trygve Hoy: *Geology of the Estella - Kootenay King Area, Hughes Range, Southeastern British Columbia (1979)*. A portion of this map which covers the area of the Tac claims is reproduced here as Figure 3.

2.20 Property Geology

The Tac property is underlain by mesoproterozoic metasedimentary rocks of the middle and upper informal members of the Aldridge Formation and the overlying Creston Formation. Both consist of fine grained siliciclastic lithologies; the middle Aldridge Formation is comprised mainly of turbidites while the Creston Formation is of shallower water sediments. Beds strike northerly with generally steep westerly dips. For a more detailed description of the lithologic units and property geology see Hoy (1979) or Fox (1990: AR 20,202).

3.00 ROCK GEOCHEMISTRY

The rock geochemistry program on the Tac property resulted in 30 rock samples being collected. Location of the samples is shown in Figure 4 with brief descriptions of the rock samples in Appendix 1. Rock samples were shipped to Acme Analytical Laboratories Ltd. at 852 East Hastings Street, Vancouver, B.C., and analyzed for a 30 element ICP package and geochemical gold by standard analytical techniques. Complete geochemical analyses are provided in Appendix 2.



**Figure 3. Part of BCMEMPR Preliminary Map 36
 Geology of the Estella-Kootenay King area
 T. Hoy, 1979
 For legend see page 5a.**



Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

PRELIMINARY MAP 36

GEOLOGY OF THE ESTELLA-KOOTENAY KING AREA
HUGHES RANGE
SOUTHEASTERN BRITISH COLUMBIA

(NTS 82G/11, 12, 13, 14)

GEOLOGY BY TRYGVE HÖY, 1976-1978

LEGEND

CRETACEOUS

QUARTZ MONZONITE, SYENITE

HADRYNIAN/HELIKIAN

PURCELL SUPERGROUP

PURCELL SILLS AND DYKES

C CRESTON FORMATION: GREEN AND PURPLE ARGILLITE AND SILTSTONE, WHITE AND GREEN QUARTZITE; MINOR DARK ARGILLITE

ALDRIDGE FORMATION

A3 DARK GREY FINELY LAMINATED ARGILLITE; MINOR SILTSTONE

A3i DARK GREY ARGILLITE WITH LENTICULAR BEDDING

A2 QUARTZITE, SILTSTONE; INTERLAYERED WITH DARK ARGILLITE

A1 FINELY LAMINATED ARGILLITE, SILTSTONE; MINOR DOLOMITE, QUARTZITE

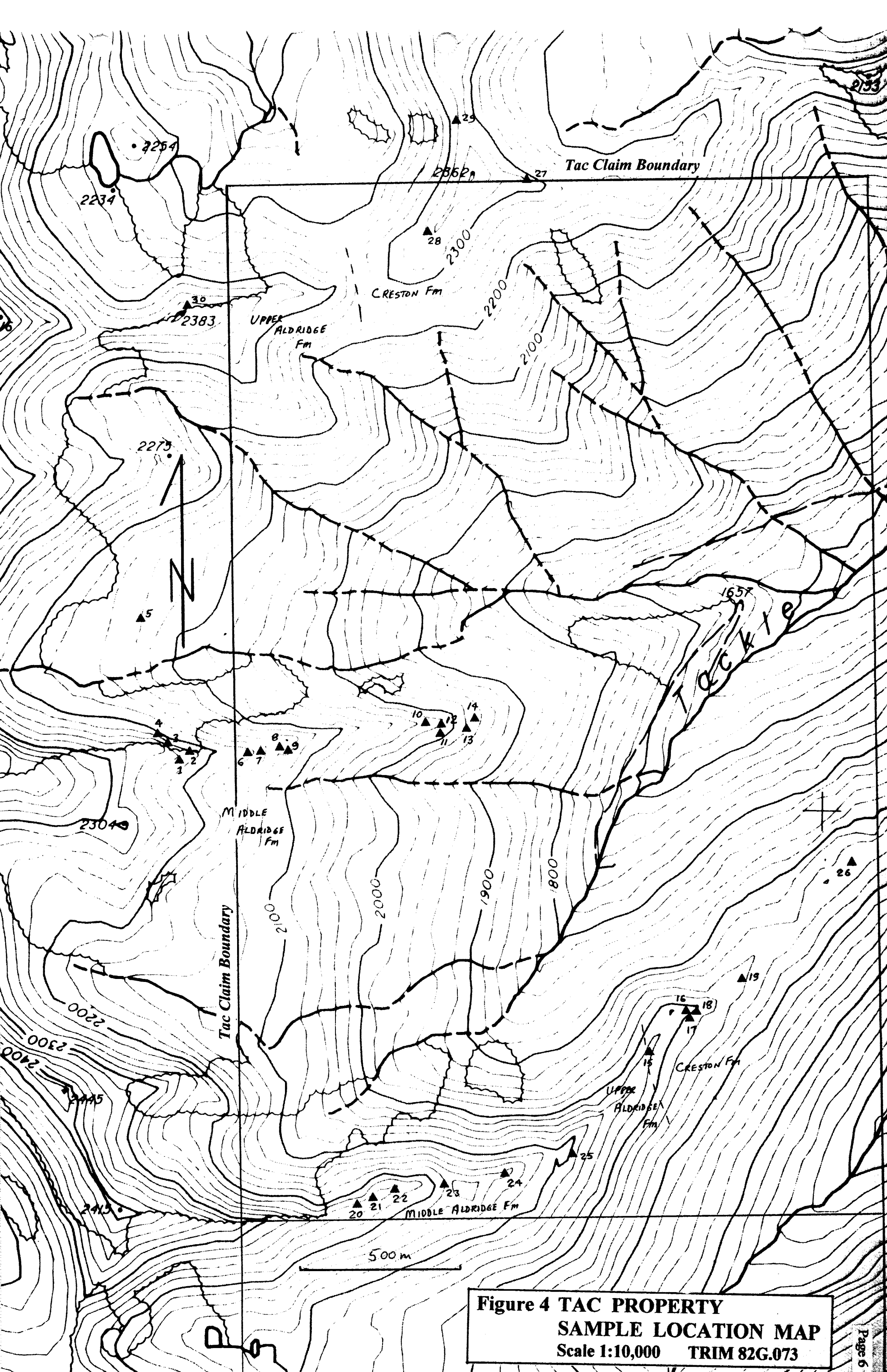
- f MEDIUM TO DARK GREY SILTSTONE, ARGILLITE
- e THICK-BEDDED QUARTZITE; MINOR CONGLOMERATE
- d BUFF-COLOURED DOLOMITIC SILTSTONE, DOLOMITIC ARGILLITE; ABUNDANT LENTICULAR BEDDING AND RIPPLE CROSSBEDDING
- c GREY SILTSTONE, ARGILLITE; TAN SILTSTONE, BLACK GRAPHITIC ARGILLITE
- b SILTY DOLOMITE, DOLOMITIC SILTSTONE; MINOR LIMESTONE
- a GREY TO BLACK SILTSTONE AND ARGILLITE

F FORT STEELE FORMATION: WHITE CROSSBEDDED QUARTZITE, MUD-CRACKED SILTSTONE, ARGILLITE

SYMBOLS

- GEOLOGICAL CONTACT:
 DEFINED, APPROXIMATE, ASSUMED
- FAULT: DEFINED, APPROXIMATE, ASSUMED
- ANTICLINE - AXIAL SURFACE
- BEDDING (S₀): VERTICAL, INCLINED, OVERTURNED
- FOLIATION, CLEAVAGE (S₁)
- LINEATION (S₀ - S₁ INTERSECTION)
- FOLD AXIS
- MINERAL DEPOSIT
- LIMITS OF OUTCROP (OR MAPPING)

Legend for Figure 4



**Figure 4 TAC PROPERTY
SAMPLE LOCATION MAP
Scale 1:10,000 TRIM 82G.073**

Results

Anomalous gold on the Tac claims is generally associated with silicification and pyrite alteration and is proximally associated with base metal mineralization and small syenitic intrusives.

Many of the rock samples collected during the 2001 sampling program returned anomalous values in copper, gold, silver, lead, zinc and molybdenum. The higher values detected by Placer Dome Inc. in their work was not replicated by the current program. The higher values in copper, lead and zinc of the current program are not correlative with higher gold values but intermediate values in these base metals do tend to be associated with anomalous gold. Higher silver values are correlative with higher base metal values. The highest molybdenum values tend to be associated with higher gold values.

4.00 CONCLUSIONS

Gold on the Tac property is associated with molybdenum and with intermediate values of silver and copper, lead and zinc. This association may reflect a relationship to young felsic intrusives which occur nearby.

5.00 REFERENCES

- Fox, P.E., 1990. Geological, geochemical and geophysical report on the Tackle 1 to 4 claims, Fort Steele Mining Division, B.C., BCMEMPR Assessment Report 20,202.
- Hoy, T., 1979, Geology of the Estella-Kootenay King area, Hughes Range, southeastern British Columbia; BCMEMPR, Preliminary Map 36, and Notes to accompany Preliminary Map 36.
- Leech, G.B., 1960, Geology, Fernie (West Hall), Kootenay District, British Columbia, Geol. Surv. Canada Map 11-1960.

6.00 STATEMENT OF COSTS

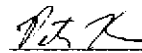
3 days sample collecting @ \$825/day (3 people/day + truck)	\$2475.00
Report and drafting 1.25 days @ \$300.00/day	375.00
Rock geochem analyses 30 samples @ 16.00/sample	480.00
TOTAL COST	<u>\$3,320.00</u>

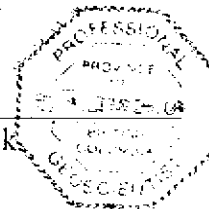
8.00 AUTHOR'S QUALIFICATIONS

As author of this report I, Peter Klewchuk, certify that:

1. I am an independent consulting geologist with offices at 246 Moyie Street, Kimberley, B.C.
2. I am a graduate geologist with a B.Sc. degree (1969) from the University of British Columbia and an M.Sc. degree (1972) from the University of Calgary.
3. I am a Fellow of the Geological Association of Canada and a member of the Association of Professional Engineers and Geoscientists of British Columbia.
4. I have been actively involved in mining and exploration geology, primarily in the province of British Columbia, for the past 24 years.
5. I have been employed by major mining companies and provincial government geological departments.

Dated at Kimberley, British Columbia, this 27th day of November, 2001.


Peter Klewchuk
P. Geo.



Appendix 1. Description of Rock Samples

Sample Number	Description
TC-01	Quartz float with pyrite, galena and malachite - 30 cm wide blocks.
TC-02	1.5 m wide buff weathering intrusive with green clasts and quartz eyes (Judy Lew volcanic) some disseminated pyrite and cpy in quartz-calcite clots.
TC-03	260° trending quartz veins 3-4 cm wide with pyrite and galena over 50 cm wide zone - dipping south at ~50°.
TC-04	30 cm wide quartz vein with clots of galena and pyrite - strike 50° , dip 15° to SE within zone of syenite and felsic dikes and sills.
TC-05	Pyrite-rich quartz material with rare copper stain and galena - from old pit dump, associated with a gabbro dyke / sill (?).
TC-06	2-4 m wide syenite dyke - manganese altered with rare pyrite ~240° strike.
TC-07	Albitized / bleached sediments with quartz breccia zones - narrow quartz veinlets with iron carbonate and pyrite ~3-4 m wide zone.
TC-08	Limonite / pyrite rich quartz float - 30 cm wide blocks on edge of old pit.
TC-09	Quartz float with pyrite / limonite and bleached sediment inclusions.
TC-10	Subcrop of brecciated sediments cemented by narrow limonite stringers - sediments are bleached and limonitic.
TC-11	Quartz float with pyrite and rare galena - 15 cm wide pieces.
TC-12	Quartz breccia zone in hand trench - grab of material with pyrite / limonite - 1.5 m wide zone - bleached / albitized sediments.
TC-13	10-12 cm wide bedding parallel quartz vein - crystalline smokey gray colored with some pyrite near a syenite dike.
TC-14	Quartz float with pyrite / limonite.
TC-15	Albitized, brecciated sediments with narrow 2 to 5 mm wide quartz veinlets with iron carbonate and pyrite ~50 cm wide blocks. Also syenite subcrop.

- TC-16 Brecciated sediment subcrop - crushed quartzite with limonite staining on fractures.
- TC-17 Syenite subcrop ~2 m wide blocks with manganese, limonite, pyrite.
- TC-18 15 cm wide zone of narrow 1-3 cm wide quartz veinlets with pyrite and limonite, roughly bedding-parallel.
- TC-19 Float of syenite with brecciated sediments, some pyrite and hematite.
- TC-20 15 cm wide quartz vein with iron carbonate and pyrite on hangingwall contact of green intrusive sill with iron carbonate clots - 2 m wide.
- TC-21 Liesegang weathering albitic quartzitic unit ~3 m wide cut by narrow 1-3 cm wide quartz veinlets with limonite, pyrite and iron carbonate.
- TC-22 Zone of bedding-parallel quartz veins 1-15 cm wide with pyrite, limonite.
- TC-23 Bedding-parallel quartz vein with limonite wad and black argillite clasts ~10 cm wide.
- TC-24 Albitized, carbonate-altered sediments cut by narrow quartz veinlets up to 4 cm wide with limonite / pyrite and iron carbonate. ~2 m wide zone.
- TC-25 Brecciated albitized / bleached sediments cut by 1-2 cm wide quartz veinlets with iron carbonate and pyrite.
- TC-26 White coarse grained quartzite with quartz veinlets - rare disseminated cpy and malachite. 4 m wide zone.
- TC-27 4 cm wide quartz vein with limonite - in a 30 cm wide zone of albitized / bleached sheared sediments. Flat-lying.
- TC-28 1 m wide quartz vein with iron carbonate and pyrite, trending 058/50 SE.
- TC-29 Subcrop of albitized / bleached sediments with narrow 1-3 cm wide quartz veins with limonite. ~30 cm wide blocks.
- TC-30 Narrow quartz veins up to 4 cm wide with limonite in albitic sediments (Upper Aldridge Fm.).

P. 02/02

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SEP-18-2001 TUE 10:38 AM ACME ANALYTICAL LAB

ACME ANALYTICAL LABORATORIES LTD.
(ISO 9002 Accredited Co.)

852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

PHONE (604) 253-3150 FAX (604) 253-1716



GEOCHEMICAL ANALYSIS CERTIFICATE



National Gold Corporation File # A103046

600 - 890 W. Pender St., Vancouver BC V6C 1K4 Submitted by: T. Kennedy

SAMPLE#	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	La	Cr	Mg	Ba	Ti	B	Al	Mn	K	W	Au*
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppb	
TC-1	11	761	8038	444	56.4	11	1	78	3.18	205	<8	<2	<2	10	11.1	142	118	7	.01	.004	6	99	.01	185	<.01	3	.06	.02	.03	3	27.5
TC-2	1	71	90	53	.3	252	50	1097	6.38	31	<8	2	3	473	.5	<3	3	140	7.17	.257	34	305	5.44	254	.02	3	3.02	.03	.26	<2	2.3
TC-3	5	17	1663	157	11.7	12	2	215	1.42	4	8	<2	<2	28	4.4	<3	29	8	.33	.015	5	108	.10	219	<.01	<3	.09	.04	.06	5	1.4
TC-4	44	49	35251	1198	52.5	5	1	33	1.99	11	<8	<2	<2	2598	28.6	<3	96	3	.03	.010	3	56	.03	148	<.01	4	.08	.01	.11	2	25.8
TC-5	8	147	611	42	.7	43	54	95	12.32	13	<8	<2	<2	70	.2	<3	4	200	.01	.014	1	99	.03	26	<.01	<3	.07	.02	.05	6	78.6
TC-6	1	21	67	51	<.3	4	4	1149	1.96	5	<8	<2	10	80	<.2	<3	<3	20	.11	.055	33	11	.04	336	.01	3	.46	.09	.28	<2	3.2
TC-7	5	21	55	36	.5	12	7	341	3.51	16	<8	<2	6	16	<.2	<3	<3	9	.26	.029	21	50	.03	59	<.01	3	.39	.07	.16	<2	91.5
TC-8	6	52	152	20	2.6	13	3	68	4.03	55	<8	2	9	9	<.2	3	3	17	.01	.012	44	76	.01	69	<.01	3	.35	.06	.22	<2	976.4
TC-9	9	29	19	12	1.2	9	2	81	3.92	17	<8	<2	2	5	<.2	<3	<3	13	<.01	.014	9	89	.01	26	<.01	<3	.18	.01	.12	<2	346.4
TC-10	4	25	18	113	<.3	14	3	227	6.77	7	<8	<2	7	6	<.2	<3	<3	7	.01	.034	29	22	.03	40	<.01	<3	.61	.05	.19	<2	209.9
TC-11	26	24	470	142	1.9	6	3	184	1.76	5	<8	<2	<2	10	.3	<3	5	7	.01	.008	4	106	.01	45	<.01	<3	.13	.01	.08	4	507.1
TC-12	74	57	635	84	2.0	11	4	390	4.20	13	<8	<2	2	11	<.2	7	4	11	<.01	.019	7	100	.01	25	<.01	3	.27	.02	.12	3	165.6
TC-13	9	61	19	48	<.3	14	4	162	3.28	19	<8	<2	2	7	<.2	<3	<3	6	.01	.008	5	96	.11	28	<.01	<3	.27	.01	.09	2	10.4
TC-14	4	62	9	35	.3	14	7	850	6.26	3	<8	<2	<2	4	<.2	<3	3	5	<.01	.001	<1	119	.02	32	<.01	4	.01	.01	.01	4	26.0
RE TC-14	5	60	11	34	<.3	14	6	831	6.13	4	<8	<2	<2	4	<.2	<3	<3	4	<.01	.001	<1	119	.02	31	<.01	<3	.02	.01	.01	4	19.4
TC-15	4	29	7	16	<.3	5	3	144	2.13	4	<8	<2	9	5	<.2	<3	<3	7	<.01	.014	30	39	.03	185	<.01	<3	.45	.05	.27	<2	280.5
TC-16	6	37	12	11	<.3	5	3	76	1.09	<2	<8	<2	6	3	<.2	<3	<3	5	.01	.013	27	29	.03	49	<.01	<3	.35	.01	.27	<2	17.6
TC-17	1	8	11	28	<.3	2	3	1391	1.25	2	8	<2	5	135	<.2	<3	<3	9	1.00	.069	24	16	.03	1252	<.01	<3	.54	.06	.45	<2	3.0
TC-18	8	35	77	7	<.3	9	7	478	1.25	13	<8	<2	2	13	<.2	<3	4	6	.25	.010	10	96	.05	42	<.01	<3	.15	.03	.08	<2	2.7
TC-19	4	6	<3	28	<.3	11	30	5111	1.66	<2	<8	<2	4	19	<.2	<3	<3	4	1.29	.044	15	75	.28	803	<.01	<3	.39	.01	.22	<2	1.2
TC-20	6	58	39	87	<.3	19	5	305	4.25	6	<8	<2	<2	4	<.2	<3	<3	6	.01	.008	<1	108	.03	17	<.01	<3	.09	.01	.03	4	3.3
TC-21	4	17	13	31	<.3	9	5	203	1.93	8	<8	<2	10	5	<.2	<3	<3	8	.01	.018	39	56	.04	75	<.01	<3	.50	.05	.31	<2	15.2
TC-22	8	132	66	41	1.6	26	12	252	4.60	40	<8	<2	2	11	<.2	7	7	6	<.01	.019	5	100	.02	26	<.01	3	.26	.01	.10	2	44.1
TC-23	5	79	86	74	<.3	6	<1	133	6.84	20	<8	<2	2	6	<.2	5	3	9	<.01	.050	3	87	.01	19	<.01	<3	.22	.01	.06	2	3.0
TC-24	2	13	7	25	<.3	13	5	697	2.09	4	<8	<2	11	5	.2	<3	3	6	.01	.018	37	83	.01	70	<.01	<3	.19	.08	.05	<2	255.6
TC-25	2	115	25	21	.4	13	8	88	2.26	14	<8	<2	9	5	<.2	<3	<3	6	<.01	.022	39	48	.01	27	<.01	<3	.30	.10	.11	<2	244.8
TC-26	4	520	4	25	3.5	8	2	186	.54	5	<8	<2	<2	9	.7	41	<3	5	.37	.025	4	100	.04	265	<.01	<3	.06	.01	.05	2	8.3
TC-27	102	62	1754	48	3.0	5	5	38	1.24	28	<8	<2	5	33	<.2	<3	3	9	.01	.015	21	70	.01	1176	<.01	<3	.20	.07	.11	<2	455.5
TC-28	717	59	127	21	7.1	21	17	477	2.63	10	8	<2	<2	46	.3	<3	63	14	.16	.008	9	92	.07	589	<.01	<3	.11	.09	.01	2	266.3
TC-29	56	24	563	53	2.4	6	6	104	3.39	8	<8	<2	8	109	<.2	<3	7	16	.01	.041	33	50	.04	151	<.01	<3	.45	.09	.22	<2	86.0
TC-30	109	69	499	70	23.2	14	5	109	4.72	4	<8	<2	6	8	.2	<3	109	8	.01	.032	19	72	.02	46	<.01	<3	.43	.05	.07	2	23.4
STANDARD D53	10	131	35	157	<.3	36	13	869	3.36	32	11	<2	4	29	5.9	6	5	82	.57	.100	19	188	.64	162	.09	3	1.92	.04	.18	5	21.8

GROUP 1D - 0.50 GM SAMPLE LEACHED WITH 3 ML 2-2-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR, DILUTED TO 10 ML, ANALYSED BY ICP-ES.
 UPPER LIMITS - AG, AU, HG, W = 100 PPM; MO, CO, CD, SB, BI, TH, U & B = 2,000 PPM; CU, PB, ZN, NI, MN, AS, V, LA, CR = 10,000 PPM.
 ASSAY RECOMMENDED FOR ROCK AND CORE SAMPLES IF CU PB ZN AS > 1%, AG > 30 PPM & AU > 1000 PPB
 - SAMPLE TYPE: ROCK R150 60C AU* BY ACID LEACHED, ANALYZE BY ICP-MS. (10 gm)
 Samples beginning 'RE' are Returns and 'RRE' are Reject Returns.

DATE RECEIVED: SEP 6 2001 DATE REPORT MAILED: *Sept 17/01* SIGNED BY: *C.L.* D. TOYE, C. LEONG, J. WANG; CERTIFIED B.C. ASSAYERS

All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of the analysis only. Date *LFA*

Appendix 2. Rock Geochemistry Analyses

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