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SUMMARY REPORT

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EVALUATION OF THE

**TOODOGGONE AREA PROPERTIES
WOLVERINE/FISHER CLAIMS
GACHO/SUET CLAIMS
GORD/MUL CLAIMS
ELOISE/JEREMY/DANIEL CLAIMS
FINE CLAIMS
BARNY CLAIMS
LIARD & OMINECA MINING DIVISIONS
NTS: 94E/2,3,6,7,11**

FILED

FOR

**TOODOGGONE GOLD INC.
590 - 789 W Pender
Vancouver, B.C.
V6C 1H2**

BY

**David St. Clair Dunn, F.G.A.C.
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**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

18,161

SUMMARY

At the request of Toodoggone Gold Inc., a field crew evaluated the claim holdings of the company in the Toodoggone area, northern British Columbia.

Of the six separate claim blocks, only one merits a follow up program of sampling, trenching and evaluation. One other requires further follow up of anomalous float samples. The other four properties have insufficient positive indications of the presence of precious metals mineralization to warrant work at the present time.

The Wolverine/Fisher claim block has a narrow but elongate skarn zone, with pyrite present, but no indications of precious metal content derived from this skarn zone.

The Gacho/Suet claims have little rock exposure, no indications from drainage concentrate and silt samples to suggest a near surface occurrence of precious metals. Because of prevalence of thick overburden, no further work is recommended at present.

The Gord/Mul claim group has weak indications of anomalous Zn/Ba content, presence of some float with Cu-Pb and Zn and a possibility of small skarns or silicified zones on the property. The gold potential should be further evaluated.

The Eloise, Jeremy and Daniel claims, show local high Ba content in silts and rock samples. Occurrences are restricted to the southern border of the claims, and extend on to other claims. For this reason no further work is recommended at present.

The Fine claims have indications of a one km long shear zone that gives rise to scattered soil and rock Au, Ag, Zn, Cu, and Ba geochemical anomalies. Elsewhere on the property, small showings have little immediate economic potential. A program of trenching and thorough sampling is recommended for the central zone because of the indications of Au mineralization. A first phase program costing \$ 90,000 is recommended.

The Barny claim group was difficult to explore because of extensive overburden. There was no indication of Au in rock exposures as well as a lack of well developed structures with anomalous metal content. No further work is recommended at present.

It is recommended that Toodoggone Gold Inc., focus their exploration efforts on the Fine and the Gord/Mul claim groups to utilise exploration funds effectively.

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1 General Information

At the request of E. Hemingson, President, Toodoggone Gold Inc., Tecucomp Geological Inc. carried out an evaluation and sampling program on the claim holdings of Toodoggone Gold Inc. in the Toodoggone area, northern British Columbia.

1:1 Location

The Claim holdings of Toodoggone Gold Inc. are located in the Liard and Omineca Mining Divisions (NTS 94E/2,3,6,7,11). The properties are located 275 to 320 kms north of Smithers, B.C. (fig 1)

1:2 Access

Access to the claim holdings is from Smithers, B.C., the regional logistic centre, by charter aircraft, to the Sturdee airstrip. Smithers is serviced daily by jet aircraft from Vancouver.

From the Sturdee airstrip, the claims are accessible by charter helicopter. Access within the properties is on foot.

1:3 Topography

The claim holdings are located at elevations from 1200m to 2200m above sea level. Relief is moderate to locally severe. The greater portion of the claims lie above tree line, with extensive glacial and frost shattered debris obscuring outcrop.

Many of the claims exhibit late glacial down wasting features, with extensive aprons of fluvioglacial debris, kame terraces, and esker channels.

1:4 Claim Status

The claim holdings, divided into six groups, total 479 units. Claim data is listed in table 1.

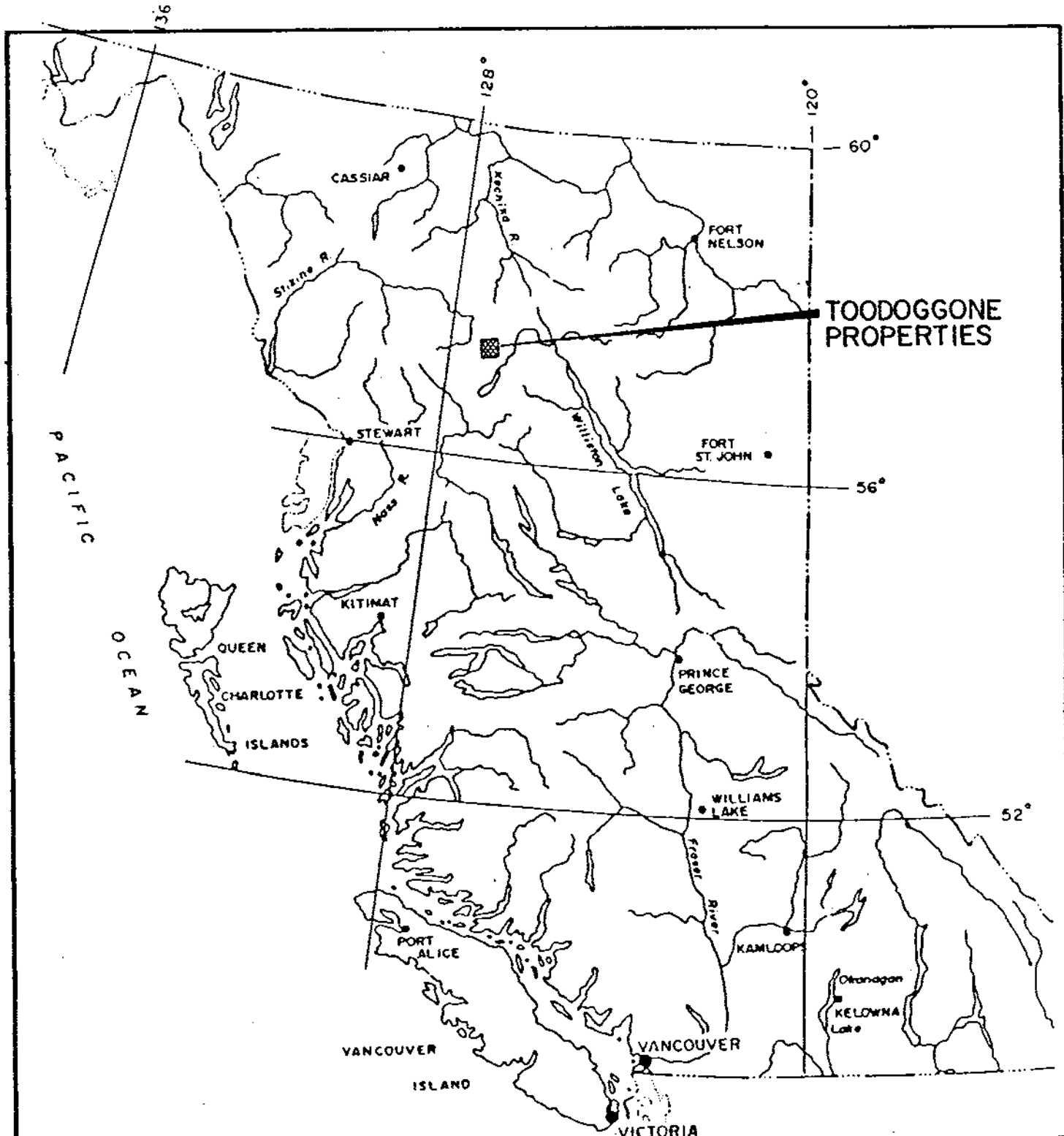
Claims are held by Toodoggone Gold Inc.

1:5 Previous Work

The claim blocks were all surveyed by airborne magnetometer and VLF in 1986 (listed in references). Some had follow up ground geophysics, geochemistry and mapping in 1987, the results of which are described in greater detail elsewhere.

Objectives of the 1988 program were to evaluate the individual claim blocks and recommend appropriate programs for follow up work.

Sampling and examination was carried out from 19 to 27 September 1988, by Tecucomp Geological Inc. Personnel in the program were Dave Dunn, Roy Wares and Tom Kennedy.



TOODOGGONE GOLD INC	
Report by R Wares	TOODOGGONE PROPERTIES OMINECA & LIARD MINING DIVISION
Date November 1988	LOCATION MAP
NTS 94E/	
Figure	<i>Tecucomp Geological Inc</i>

TOODOGGONE GOLD INC

Report by R. Wilson
Date November 1988
MTS
Scale
Figure

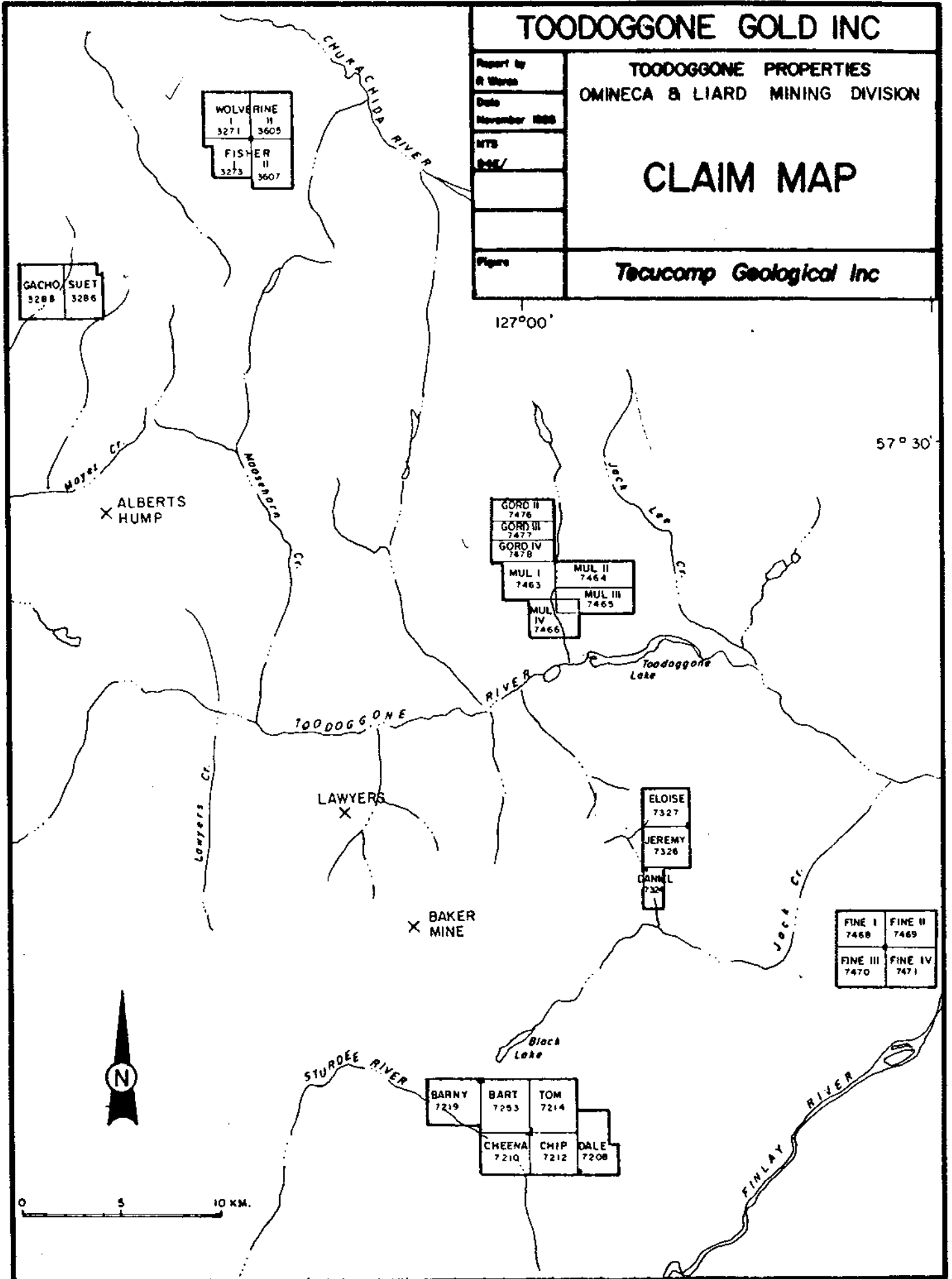
TOODOGGONE PROPERTIES
OMINECA & LIARD MINING DIVISION

CLAIM MAP

Tecucamp Geological Inc

127°00'

57°30'



FINE I 7468	FINE II 7469
FINE III 7470	FINE IV 7471

BARNY 7219	BART 7293	TOM 7214
CHEENA 7210	CHIP 7212	DALE 7208

GORD II 7476	MUL II 7464
GORD III 7477	MUL III 7465
GORD IV 7478	MUL IV 7466
MUL I 7463	

WOLVERINE I 3271	WOLVERINE II 3605
FISHER I 3273	FISHER II 3607

GACHO 3288	SUET 3286
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TABLE 1

CLAIM INFORMATION

Claim Group	Claim Name	record #	units	Record Date
Wolverine/ Fisher	Wolverine 1	3604	20	July 31, 1986
	Wolverine II	3605	20	July 31, 1986
	Fisher I	3606	20	July 31, 1986
	Fisher II	3607	20	July 31, 1986
Gacho/Suet	Gacho	3288	20	March 25, 1985
	Suet	3286	20	March 25, 1985
Gord & Mul	Gord 2	7476	16	Feb. 12, 1986
	Gord 3	7477	16	Feb. 12, 1986
	Gord 4	7478	16	Feb. 12, 1986
	Mul 1	7463	18	Feb. 12, 1986
	Mul 2	7464	16	Feb. 12, 1986
	Mul 3	7465	16	Feb. 12, 1986
	Mul 4	7466	20	Feb. 12, 1986
	Eloise, Jeremy Daniel	Eloise	7327	20
Jeremy		7326	20	Sept. 26, 1985
Daniel		7324	8	Sept. 26, 1985
Fine Group	Fine I	7468	20	Feb. 12, 1986
	Fine II	7469	20	Feb. 12, 1986
	Fine III	7470	20	Feb. 12, 1986
	Fine IV	7471	20	Feb. 12, 1986
Barney Group	Barney	7219	15	Aug. 14, 1985
	Bart	7253	20	Aug. 14, 1985
	Cheena	7210	20	Aug. 14, 1985
	Tom	7214	20	Aug. 14, 1985
	Chip	7212	20	Aug. 14, 1985
	Dale	7208	18	Aug. 14, 1985

Registered ownership of the claims is by Toodoggone Gold Inc.

2 Regional Information

2:1 Regional Geology

The regional geology of the Toodoggone area has been described in a number of publications. (Diakow,1984, Diakow,1985, Gabrielse et al, 1976, Panteleyev, 1985, Schroeter, 1981)

Essentially, the area comprises a volcanic-sedimentary sequence from Permo-Triassic to Cretaceous in age. To the west are flat or gently dipping Sustut Group sediments of Cretaceous age, which overly the Jurassic rocks to the east (fig 3).

The oldest units are carbonates, argillites and cherts of the Permian Asitka Group, generally in fault contact with andesites of the Triassic Takla Group.

Stratigraphically above the Takla, are Jurassic units, divided into the lower Toodoggone group and the upper Hazelton group. The Toodoggone Group consists essentially of subaerial, dacite to rhyodacite volcanic rocks and pyroclastics which unconformably overlie the Takla Group.

The Hazelton assemblage comprises volcanic conglomerates, breccias and porphyry sills and dykes. Some small intrusive centres are associated with the Hazelton Group.

The suite of intrusive rocks in the area, ranging in composition from granodiorite to quartz monzonite, are considered to be coeval with the Toodoggone volcanic group.

Major NW trending faults are present in the area. These are considered to be regional control structures for precious metals mineralization.

2:2 Regional Mineral Deposits

Focus of exploration in the area, initially on low grade copper deposits, shifted in the mid 70's to exploration for precious metals, especially concentrated from the early 1980's onwards.

Exploration has resulted in discovery of several major and a number of smaller deposits, not all fully explored.

The major deposit is the Cheni, or Lawyers deposit, with drill indicated tonnage of 941,000 tonnes, grading 7.2 g/tonne Au. This deposit is nearing full production.

A former producer is the Baker Mine, initially discovered by Kennco, and put into production in 1980. Limited production occurred from 1980 to 1983, totalling 77,500 tonnes, grading 15 g/tonne Au. Extensions of this deposit are currently being explored. Other deposits of note are the Al property, under investigation by Energex, the Shas deposit, and the Mets deposit.

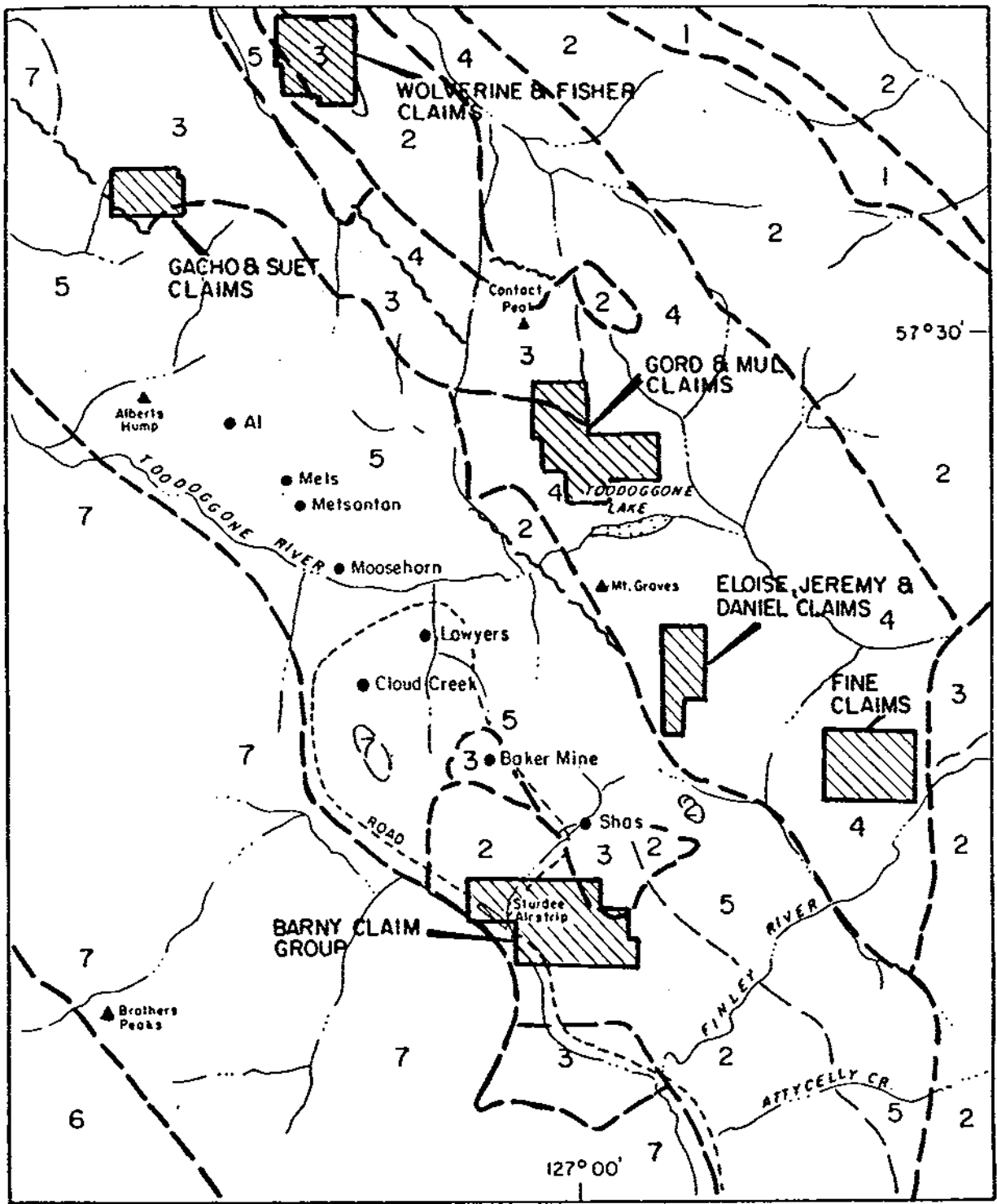
Precious metal deposits in the area have been shown to be epithermal in origin, accompanied by silicification haloes, carrying barite, breccia zones, and alteration envelopes in peripheral volcanic rocks. These are identifiable by geophysical means.

Regional mapping has shown that precious metal deposits are largely concentrated near a major NW trending fault linear, though not all deposits are located in the structure.

Deposits in the Toodoggone area have been categorized by Clark & Williams-Jones (1988) as covering a range of environments, from deep seated precious metal/base metal porphyry systems, stockworks and veins, and epithermal Au-Ag veins and breccias. Also described are near surface replacement type Au mineralization.

Exploration methods used in the area have ranged from airborne geophysical surveys to prospecting. Geochemical investigation has proved effective in the area, with follow up of data from pan concentrate samples, silt and soil surveys and trench sampling. Pan concentrate sampling has been shown to be more effective in focussing exploration effort than conventional silt sampling (Barakso, 1981)

Precious metals mineralization has been shown to carry a barium-arsenic halo peripheral to deposits.



LEGEND

- 7 SUSTUT GROUP: Tertiary - Cretaceous
- 6 BOWSER GROUP: Middle - Late Jurassic
- 5 TODDOGGONE VOLCANICS: Early Jurassic
- 4 HAZELTON GROUP: Early Jurassic
- 3 TAKLA GROUP: Late Triassic
- 2 OMINECA INTRUSIONS: Late Triassic - Early Jurassic
- 1 ASITKA GROUP: Permian
- APPROX. GEOLOGICAL CONTACT
- ~~~~ FAULT
- MAJOR DRAINAGE
- MINERAL DEPOSIT

TODDOGGONE GOLD INC

Report by
R Wares
Date
November 1988
NTS
04E/
Figure

TODDOGGONE PROPERTIES
OMINECA & LIARD MINING DIVISION

**REGIONAL GEOLOGY
and
MINERAL DEPOSITS**

Compilation after JP Sorbero 1987

Tecucomp Geological Inc

3 Wolverine/Fisher Claims

3:1 General Information

The Wolverine and Fisher claims, comprising 80 units, are located 3 kms south of the Chuckachida River and to the west and south west of Mt McNamara. The claims are in Liard Mining Division.

The claims are mostly above tree level, generally severe in relief and at elevations from 1600m to 2200 m A.S.L..

The claims were examined on September 20, 1988

3:2 Previous Work

The claim block was surveyed by airborne magnetometer and VLF in 1986 (Pezzot, 1987). A compilation map shows the general geophysical features that were derived from the above survey (fig 4).

The claim block lies on the western edge of a quartz monzonite intrusion, in contact with Asitka limestone and Takla Group volcanics.

Follow up work was carried out in 1987, by Hi-Tec Resource Management. Work performed was mapping, rock sampling and stream sampling (Adamec, 1987). Some areas with silicification and irregular gossans were identified. Though the geochemical samples were low order anomalies, follow up was recommended.

3:3 1988 Sampling

Focus of the 1988 sampling program was to identify gold bearing or potential gold bearing zones on the property and to evaluate in greater detail the 1987 data.

Paired silt and pan concentrate samples were taken from drainage systems, with a view to identifying any gold potential. Samples were analyzed for Au, Ag, As, Ba, Cu, Pb and Zn. The objective of paired samples was to test potential environments. (fig 5)

Sample data showed, for both silt and pan concentrate samples, a generally low order of gold values, with one sample, (# 17003) running 370 ppb Au.

None of the samples showed any anomalous indications of Ba and As, which are pathfinder elements for gold mineralization in the Toodoggone area. Cu, Pb, Zn and Ag values were all low and not of immediate economic interest.

A prominent belt of ferruginous skarn was identified at and close to the contact of Asitka limestone with quartz monzonite.

Rock and soil samples from the area did not reveal any highly anomalous values.

Sample #17103, quartz carbonate vein float assayed 0.017 oz/t Au, but the paired silt and concentrate samples from this drainage did not indicate a high probability of near surface gold mineralization.

Sample # 17114, a float sample, ran 3.3 ppm Ag, 1170 ppm Cu but only 0.002 oz/t Au.

Samples from the skarn unit, # 48364 to 48367, two grab samples and two chip samples over 1.0 m, ran low Au values, though one sample had a weak Ba value of 239 ppm, well below any immediate economic interest.

Other float samples collected at sampling localities were of low order and not of immediate economic interest. Sample # 48357, a 0.2 m chip from a weak gossan sampled in 1987, ran 861 ppm Cu, but with no accompanying precious metal values.

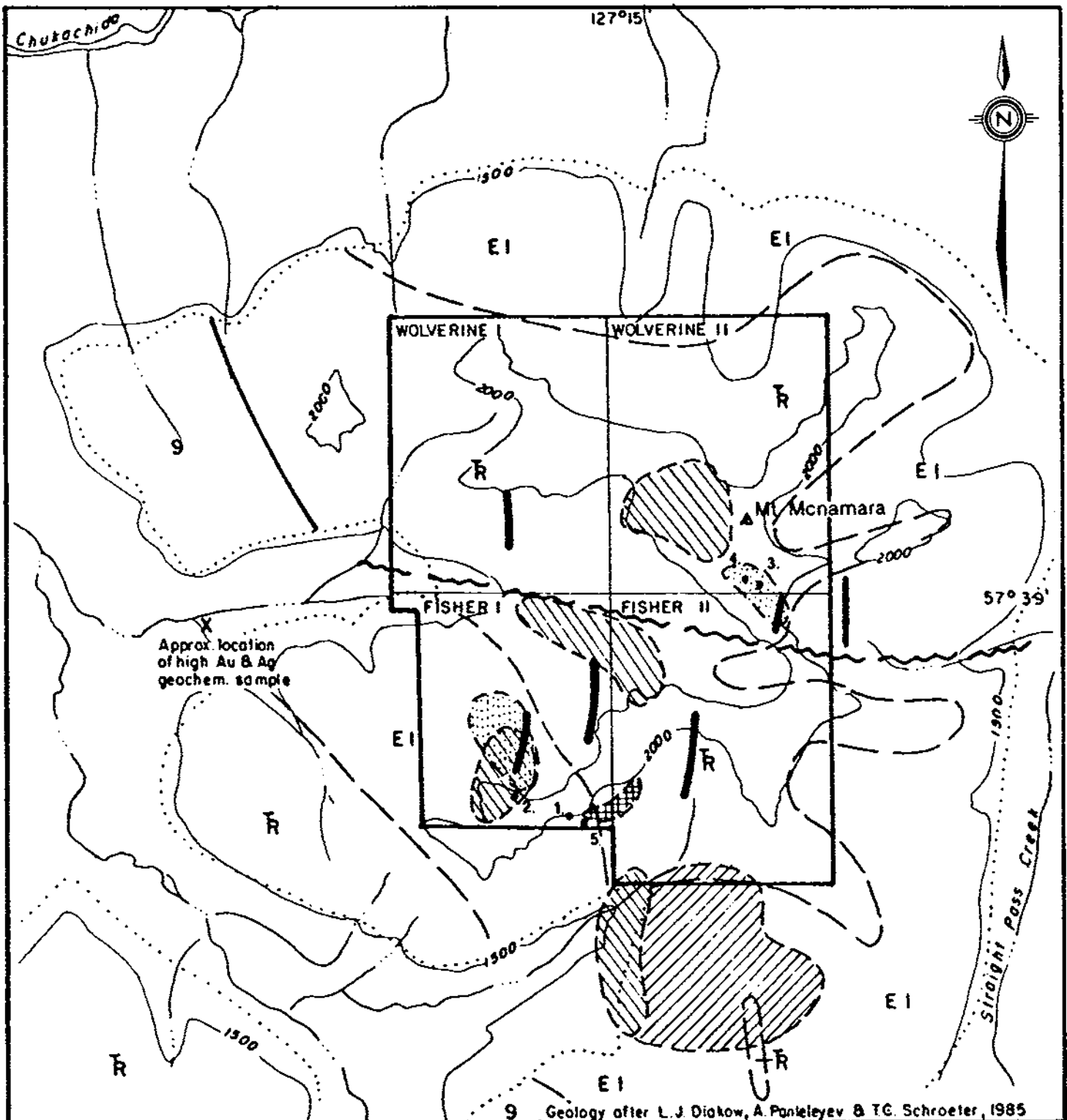
Brief ground traversing and examination of float occurrences confirm the generally low economic potential of the property. Fuller detail is appended in technical notes (Wares & Dunn, 1988)

3:4 Conclusions

The 1988 sampling program, designed to establish Au potential of the claims, did not reveal drainage areas with enhanced gold content, or any economic potential to the skarn horizon traced for 0.5 km. It is in severe terrain requiring mountain equipment.

Though weak indications of sulphides are present in the area, in the skarn unit, and in small shears, none attain a width or geochemical signature that can justify an intensive program on the property.

Because of severity of terrain, limited field season and the low order of the geochemical and rock values, no further work is recommended on the property at present.



Geology after L.J. Diakow, A. Panfilyev & T.C. Schroeter, 1985

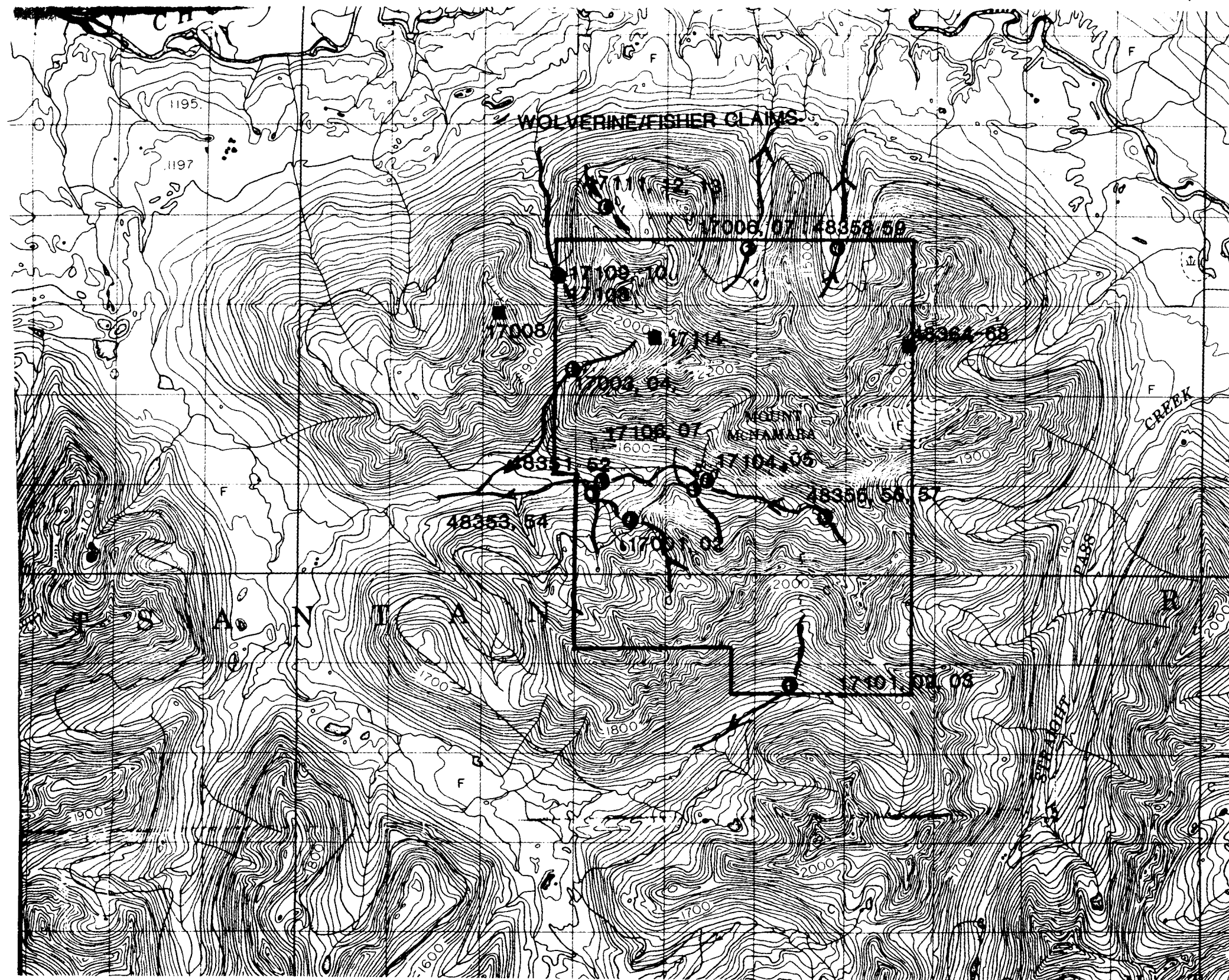
TOODOGGONE GOLD INC	
Report by R Ware	TOODOGGONE PROPERTIES LIARD MINING DIVISION WOLVERINE & FISHER CLAIMS COMPILATION MAP Compilation after J.P. Sorbara 1987
Date November 1988	
NTS 94E/11	
Figure	Tecucomp Geological Inc

Map Ref. No. 5

N.T.S. 94E/II

● paired silt, pan concentrate

■ rock sample



SAMPLE DATA GEOCHEMISTRY							
PAN CONCENTRATES							
#	Au	Ag	As	Ba	Cu	Pb	Zn
48351	10	1.6	41	25	124	11	94
48353	5	1.4	23	30	159	10	97
48355	5	1.2	29	32	164	6	102
48358	5	1.8	60	64	113	21	110
17101	5	0.8	17	59	17	20	77
17104	5	1.6	23	32	128	15	91
17106	10	1.0	10	48	74	19	96
17108	5	0.8	20	32	52	23	108
17111	5	0.6	28	71	51	27	108
17001	5	1.3	17	33	55	24	97
17003	370	0.6	29	14	129	32	141
17006	10	1.1	48	147	76	29	105
SILT SAMPLES							
48352	5	0.5	33	19	130	10	84
48354	5	0.8	31	23	21	12	81
48356	5	0.6	33	132	555	12	95
48359	5	1.1	57	86	255	17	136
17102	20	0.4	28	145	31	21	79
17105	15	0.9	46	90	345	18	99
17107	5	0.9	24	207	220	13	81
17109	5	0.7	36	108	115	17	104
17112	10	1.6	46	347	190	36	153
17002	10	0.9	46	74	187	14	87
17004	30	0.9	1	37	245	33	141
17007	10	0.4	45	317	212	50	151

Au- ppb
others, ppm

TOODOGGONE GOLD INC.

ROY WAINWRIGHT
PROFESSIONAL GEOLOGIST

Property: Wolverine/Fisher

Location: Toadoggone Area

Type of Map: Geochemical

Based on: Sampling

Date of Work: Sept. 1988

Date: Nov. 1988

0 1km

Scale

Drawn by:

4 Gacho/Suet Claims

4:1 General

The Gacho/Suet claims, totalling 40 units are located in the northern part of the project area, straddling the tributary of the Adoogatch River. The claims are located at elevations from 1600m to 1900m A.S.L., in an area of moderate relief, with notable fluvioglacial aprons, outwash channels and kame terraces. Flat lying areas have peat bog development

The area was examined on September 20, 1988.

4:2 Previous work

The area was covered, as part of a broader regional survey, by an airborne magnetometer and VLF survey.

General features from the survey are shown in fig.6. Available regional maps indicate presence of Takla Group volcanics, in thrust contact with Toodoggone volcanic rocks. Some steeper fault zones were inferred. Possible intrusive centres were inferred from the regional survey.(Pezzot, 1987)

No ground sampling was carried out in 1987.

4:3 1988 Sampling

Paired pan concentrate and silt samples were collected from drainage basins. These were analyzed for Au, Ag, As, Ba, Cu, Pb and Zn.

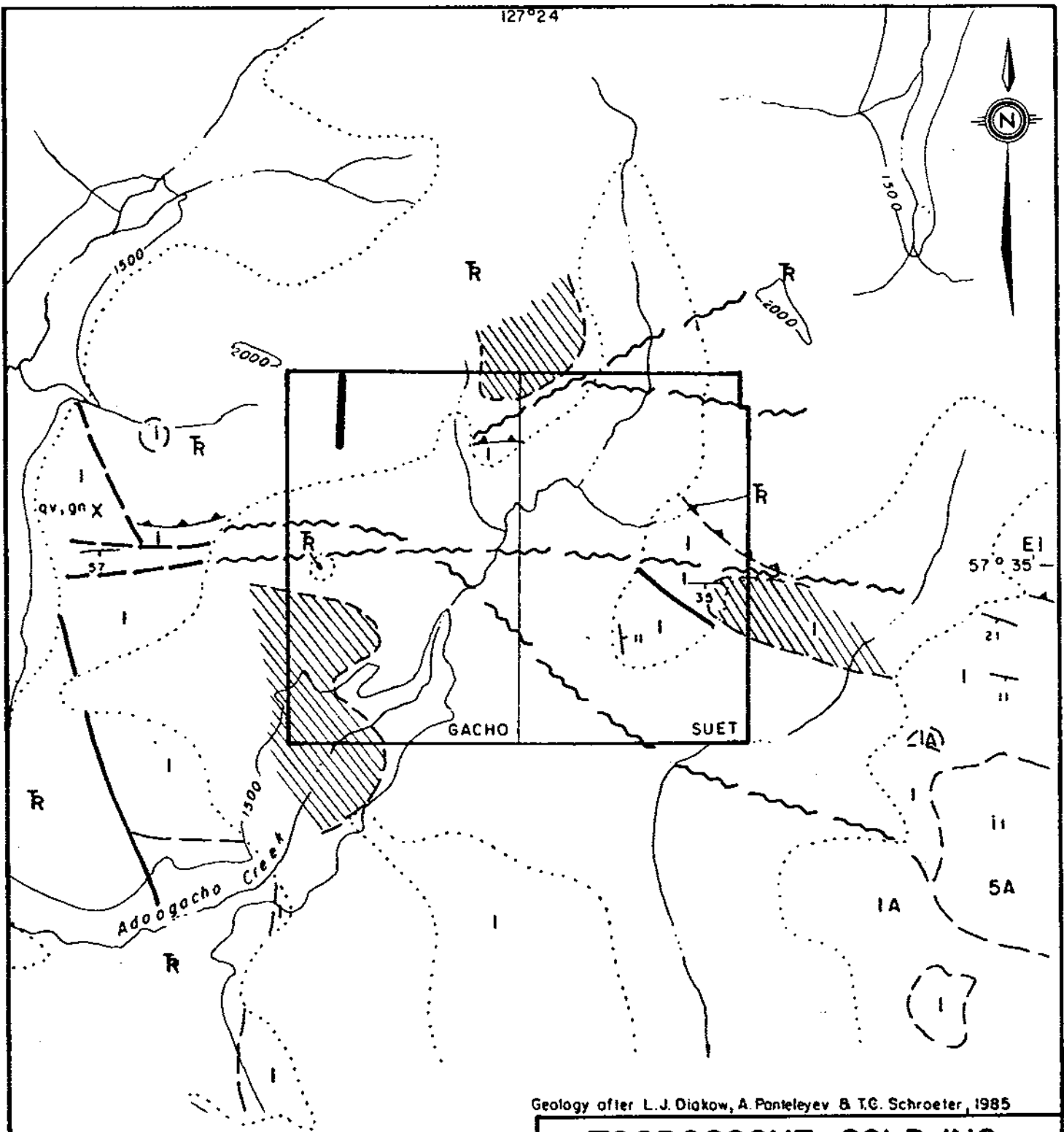
A total of twelve samples were collected.

Sample data (fig 7) show low order Au and Ag values, and a weak Ba anomaly (# 17115). None of the samples show any values that can be considered to be of economic interest, especially as the higher Ba value is not accompanied by any enhanced Au or Ag values.

4:4 Conclusions

The low order of the geochemical values, extensive aprons of fluvioglacial debris and the scarcity of outcrop, make this property a high cost exploration proposition.

No further work is recommended at present.



Geology after L.J. Diakow, A. Panteleyev & T.C. Schroeter, 1985

TOODOGGONE GOLD INC

Report by
R Wares
Date
November 1988
NTS
94E/11

TOODOGGONE PROPERTIES
LIARD MINING DIVISION
GACHO & SUET CLAIMS
COMPILATION MAP

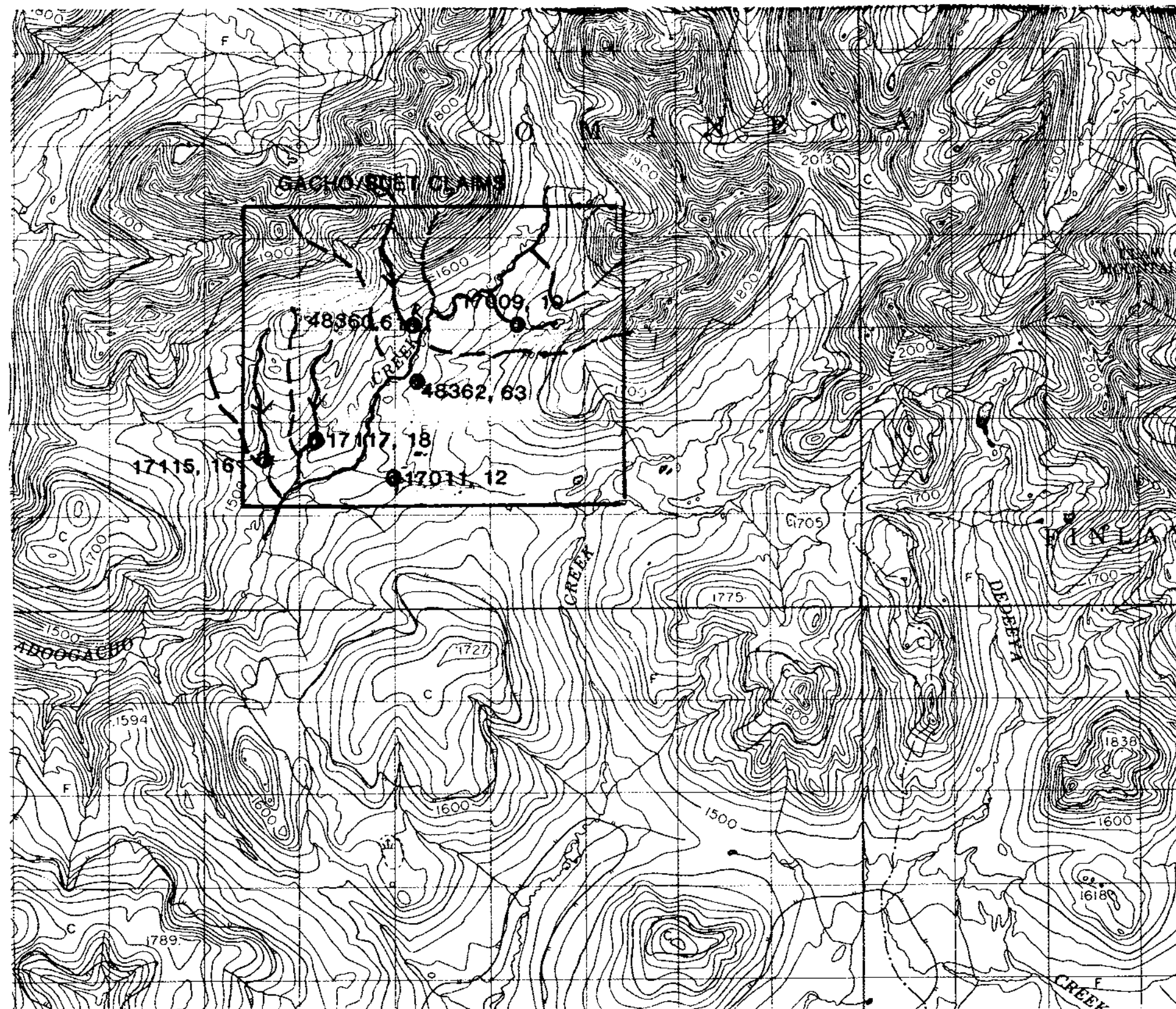
Compilation after JP Sorboro 1987

Figures

Tecucomp Geological Inc

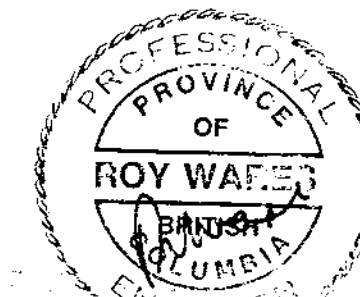
Map Ref. No. 7

N.T.S. 94E/II



SAMPLE DATA		GEOCHEMISTRY					
FAN CONCENTRATES							
#	Au	Ag	As	Ba	Cu	Pb	Zn
48360	5	1.6	41	56	92	23	111
48362	5	1.2	36	208	23	30	118
17115	5	0.8	5	1063	10	74	111
17117	5	0.6	9	126	7	27	109
17009	5	1.2	13	61	8	42	146
17011	5	0.8	11	57	7	48	163
48361	5	0.3	28	71	113	13	90
48363	5	0.4	26	228	56	15	89
17116	5	0.8	26	520	31	15	87
17118	5	0.6	28	228	31	12	91
17010	5	0.9	29	218	106	19	85
17012	5	0.5	36	212	23	22	94

Au - ppb
others - ppm



TOODOGGONE GOLD INC.

Property: Gacho/Suet
 Location: Toodoggone Area
 Type of Map: Geochemical
 Based on: Sampling
 Date of Work: Sept. 1988
 Date: Nov. 1988



Scale

Drawn by:

5 Gord and Mul Claims

5:1 General

The property comprises 118 units, which straddle Mulvaney Creek north west of Toodoggone Lake. The claims are located at elevations from 1400m to 2000m A.S.L..

5:2 Previous Work

An airborne geophysical survey was carried out in 1986, part of broader regional survey. Interpretation of data (Pezzot, 1987), show the possible presence of several intrusions, prominent fault linears, and several conductor zones. No follow up ground investigations were carried out. (fig 8).

5:3 1988 Work

Paired pan concentrate and silt samples were collected from drainage basins on the property. A total of 24 silts and pan concentrates were collected.

Results (fig 9) show only low order Au values, generally low Ag values, moderate but erratic Ba values and low order As values.

Sample # 17122, a pan concentrate, ran 1264 ppm Zn while the paired silt sample ran 488 ppm Zn. Silt samples tended to run higher values in Ba and Zn, suggesting that the anomalous source is nearby, not distant.

Float sample # 17016, was distinctly anomalous. As value was 721 ppm, though the Ba value was background. Assay of the sample ran 0.284% Cu, 9.8% Zn and 7.24% Pb. Silver assayed 4.2 oz/t and gold assayed 0.018 oz/t.

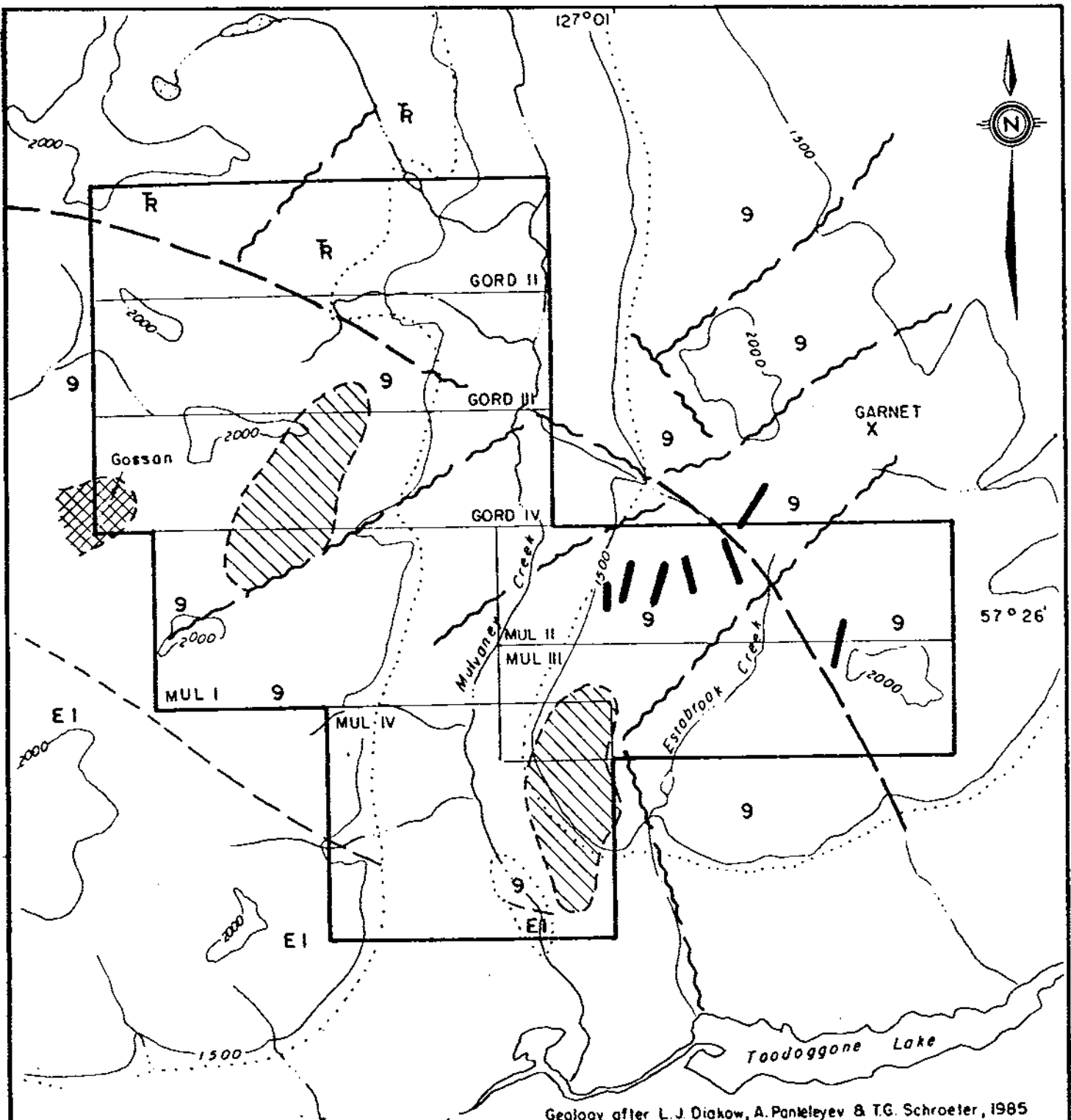
The anomalous sample lies down stream from a showing on adjacent claims, which are described (Adamec, 1987) as gossanous and silicified zones.

Sample # 17122, 17123, with anomalous Zn values, lie below an area that is gossanous, (not examined because of snow), and lies on the flank of an aeromagnetic anomaly with the signature of an intrusion. Follow up is required for the above sample locations.

5:4 Conclusions

Though the one float sample was anomalous in Au and Ag, there are indications of Pb-Zn sulphides in the drainage basins, though the source may be off the property. Adjacent claims are reported to have prospects of some merit.

On the basis of presence of anomalous values and interesting geology, a program of prospecting and sampling is recommended for the property.



Geology after L. J. Diakow, A. Panfleyev & T.G. Schroeter, 1985

TOODOGGONE GOLD INC

Report by
R. Wares

Date
November 1988

NTS
84E/6,7

Figure

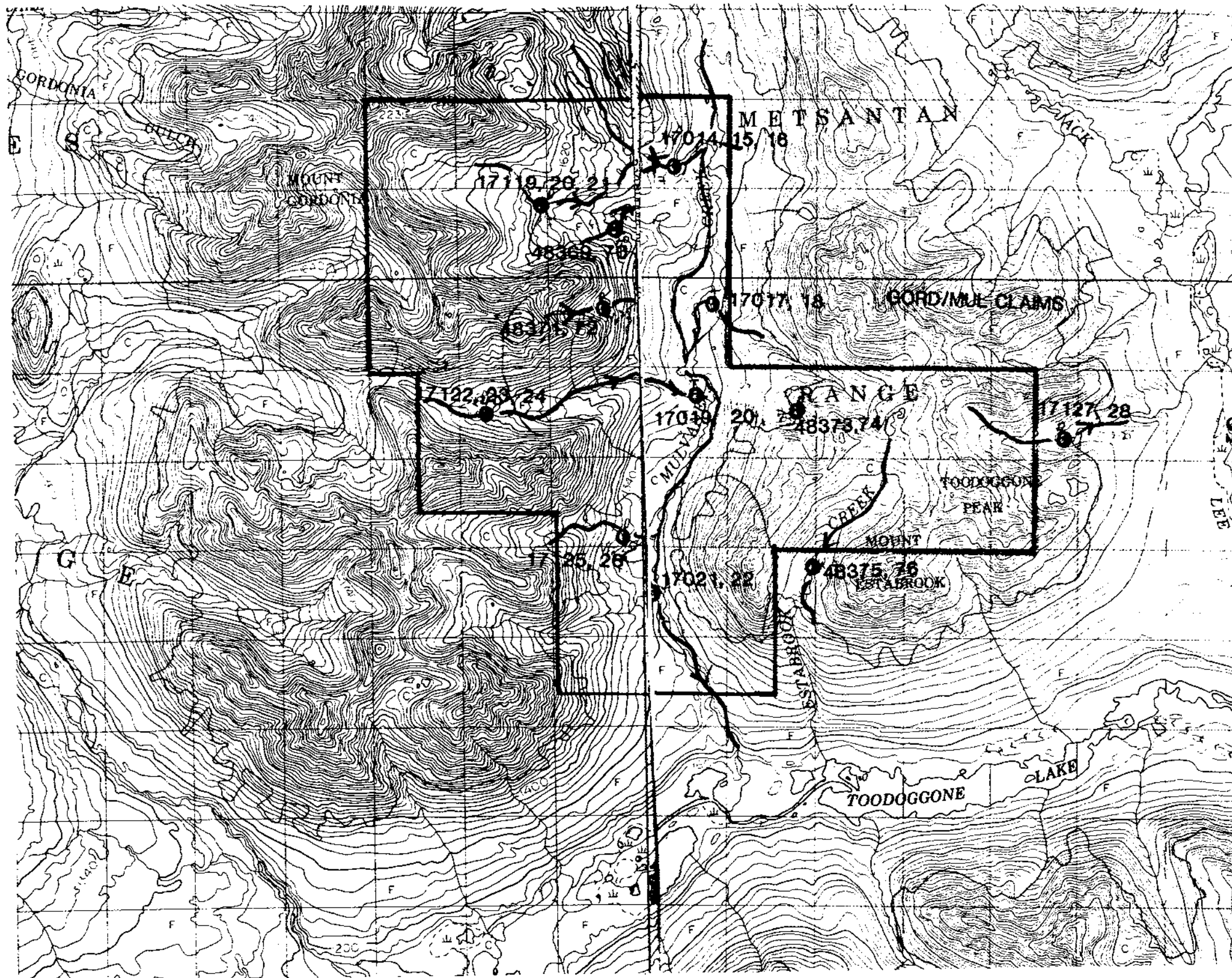
TOODOGGONE PROPERTIES
OMINECA MINING DIVISION
**GORD & MUL CLAIMS
COMPILATION MAP**

Compilation after J.P. Sorbora 1987

Tecucomp Geological Inc

● paired silt, pan concentrate

■ rock sample



Map Ref. No. 9

N.T.S. 94E/6,7

SAMPLE DATA		GEOCHEMISTRY					
PAN CONCENTRATES							
#	Au	Ag	As	Ba	Cu	Pb	Zn
48369	S	1.3	36	77	25	46	309
48371	S	1.3	27	68	48	38	192
48373	S	1.0	30	238	25	41	145
48375	10	1.0	19	200	15	29	120
17119	S	1.4	29	89	46	185	566
17122	S	0.8	24	207	133	92	*
17125	S	0.8	21	126	36	53	164
17127	S	1.2	25	39	25	23	102
17014	S	1.2	21	40	10	47	174
17017	30	0.8	41	81	111	45	130
17019	S	0.8	20	74	30	35	323
17021	S	1.1	10	34	10	52	194
SILT SAMPLES							
48370	S	0.9	36	195	98	81	97
48372	10	1.8	21	141	162	29	220
48374	S	1.5	39	776	128	40	97
48376	S	0.7	34	354	44	28	101
17120	10	0.5	34	165	37	80	95
17123	S	1.8	36	148	169	29	488
17126	S	2.0	43	365	83	40	148
17128	S	1.1	35	426	60	35	90
17015	S	0.8	11	87	84	56	226
17018	S	1.0	28	159	249	43	113
17020	S	1.9	46	148	73	10	531
17022	S	0.9	33	123	57	69	199
Au - ppb						* 1264 ppm	
all others - ppm							



Property: Gord/Mul

Location: Toodoggone Area

Type of Map: Geochemical

Based on: Sampling

Date of Work: Sept. 1988

Date: Nov. 1988

0 1km

Scale

Drawn by:

6 Eloise, Jeremy and Daniel

6:1 General

This property, totalling 48 units, is located 9 kms south of Toodoggone Lake. It lies at elevations from 1300m to 2100m A.S.L.. Below 1800m, there are aprons of fluvioglacial debris, while above that elevation, periglacial features predominate.

6:2 Previous Work

The property was covered by a regional airborne geophysical survey (Pezzot, 1987). In 1987, a limited program of reconnaissance was carried out (Adamec, 1987) which involved a small soil grid, geological mapping and rock chip sampling. The general geology outlined by the survey (Bekdache, 1987) is one of deformed Hazelton sequence volcanics, transected by marked fault linears, with several dyke trends recognised.

Soil sampling failed to outline any anomalous areas. (fig 10)

Several small gossan areas examined in 1988, showed evidence of systematic sampling prior to acquisition of the claims.

6:3 1988 Work

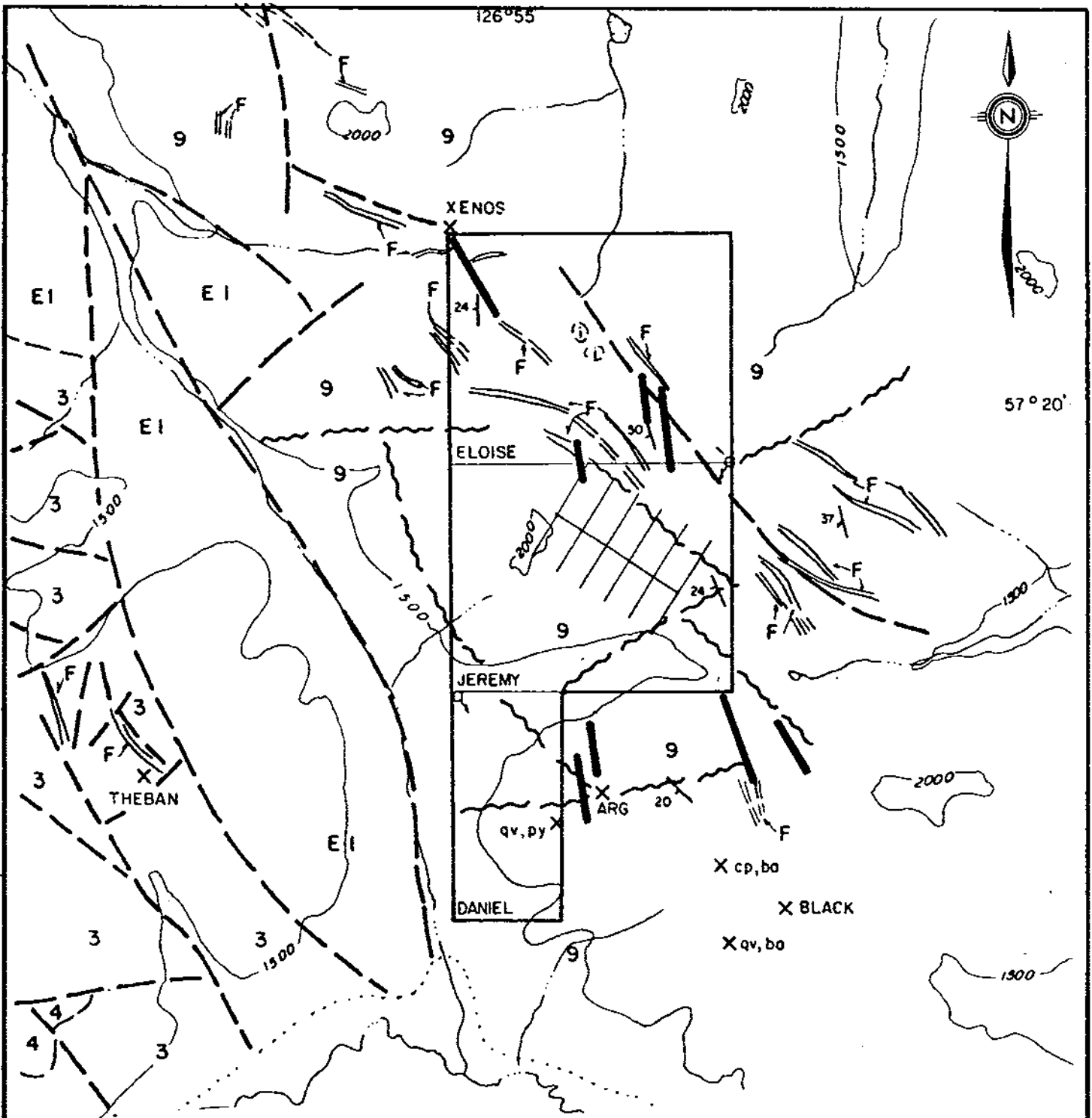
Paired concentrate and silt samples were collected from drainage basins. Several samples outlined Ba anomalies, with values up to 455 ppm Ba (#17025, though no associated other anomalous metals. fig 11)

Rock samples from a gossan on the Daniel claim, returned high barium values, to 13,500 ppm. Samples come from a sheared, weakly bleached porphyritic volcanic. Quartz veins and pyrite were recognised in the area by the BC Geological Survey during regional mapping. One sample, # 48393, a 1.5m chip, assayed 0.005 oz/t Au. Despite the high barite content, concentrate and silt samples in the drainage basin below failed to identify Au or associated As values that are generally pathfinders in the Toodoggone area. Fuller descriptions are appended in technical notes (Wares, Dunn, 1988)

6:4 Conclusions

Though the Daniel claim has high Ba values present in a sheared, bleached volcanic, samples did not carry any accompanying precious metals values. Opportunities for effective prospecting are limited by occurrence of the showing on the edge of the claim block. Areas of potential lie outside the claim.

No further work is recommended at present.



Geology after L.J. Diakow, A. Panteleyev & T.G. Schroeter, 1985

TOODOGGONE GOLD INC

Report by	R. Wares
Date	November 1988
NTS	84E/7
Figure	

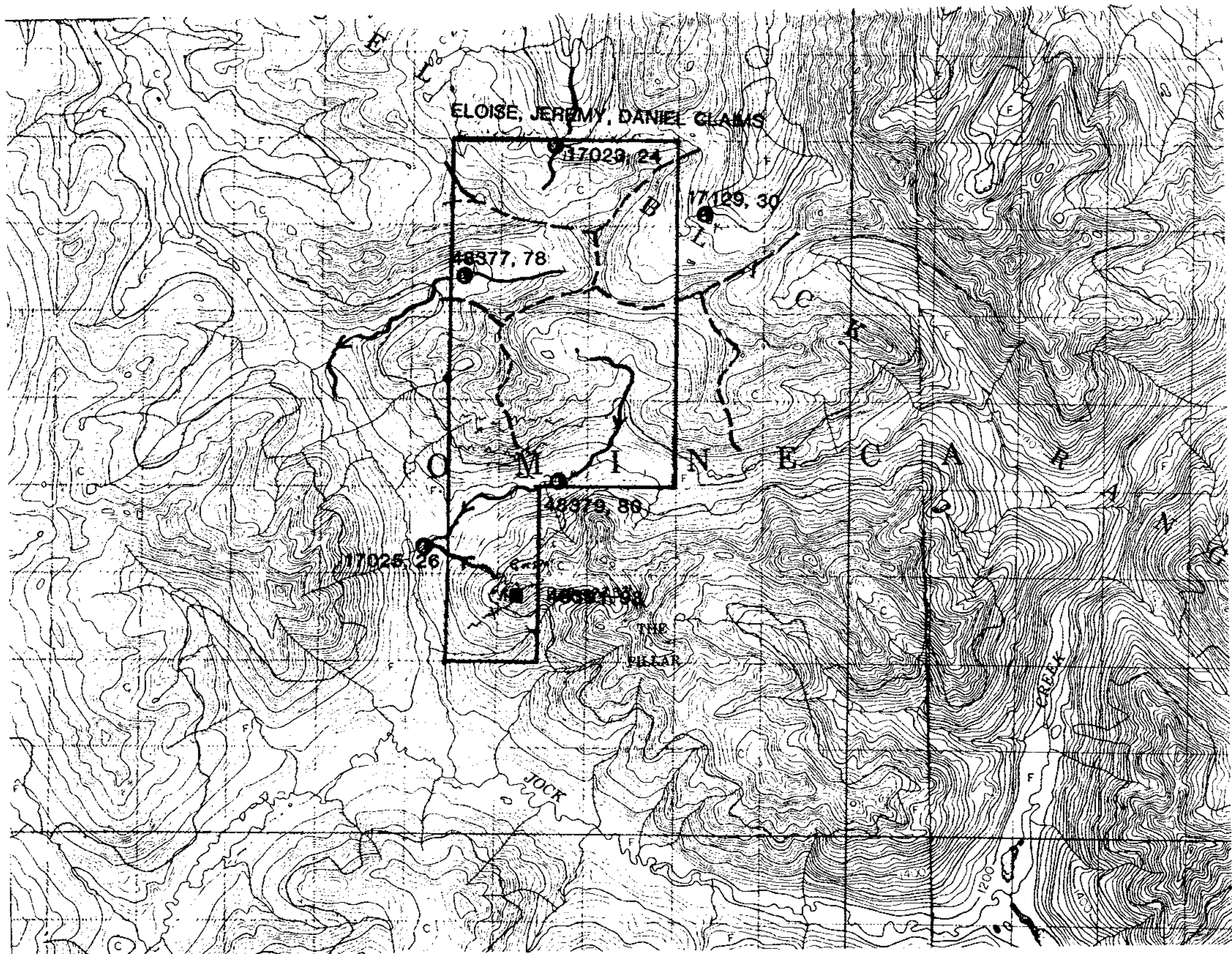
TOODOGGONE PROPERTIES
OMINECA MINING DIVISION

ELOISE CLAIM GROUP COMPILATION MAP

Compilation after J.P. Sorbara 1987

Tecucomp Geological Inc

- paired silt, pan concentrate
- rock sample

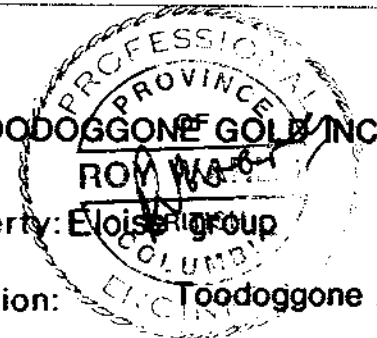


Map Ref. No. 11

N.T.S. 94E/7

SAMPLE DATA		GEOCHEMISTRY						
PAN CONCENTRATES								
#		Au	Ag	As	Ba	Cu	Pb	Zn
17023	S	1.4		21	36	16	61	156
17025	S	1.3		6	455	7	57	158
17129	S	1.2		23	39	24	31	120
48377	S	1.3		31	33	22	31	120
48379	S	1.2		33	164	144	53	491
SILT SAMPLES								
17024	10	1.1		36	42	36	50	123
17026	20	0.4		36	443	21	46	107
17130	5	3.7		41	85	65	17	99
48378	5	0.2		41	21	43	18	90
48380	5	0.3		32	80	29	19	91

Au - ppb, all others, ppm



Property: Eloise Group
 Location: Toodoggone Area

Type of Map: Geochemical

Based on: Sampling

Date of Work: Sept. 1988

Date: Nov. 1988



Scale

Drawn by:

7 Fine Claims

7:1 General

The Fine claim block, totalling 80 units, is located 12 miles east of the Baker Mine. (fig 3)

The property is located at elevations from 1200m to 2000m A.S L., in an area of moderate to severe relief, mostly above tree line. Outcrop is moderate to good above tree level, elsewhere it is obscured by glacial valley fill.

The property was examined on September 23, 24, 25, 1988

7:2 Previous Work

In common with other claim blocks, regional airborne geophysical surveys covered the group (Pezzot, 1987).

Follow up mapping, rock and soil sampling was carried out in 1987 (Bekdache, 1987). One grid gave indications of anomalous Au values in soils near the eastern end of the grid. The 1987 sampling was insufficient to indicate degree of economic potential. (fig 12)

7:3 1988 Work

Work carried out in 1988, included drainage basin sampling, an extension of the soil grid that returned anomalous Au values in 1987, and limited trenching and prospecting.

Paired pan concentrate and silt samples were collected from drainage basins to indicate degree of economic potential (fig 13). Results indicate a low degree of economic potential in basins away from the central shear zone. (fig 13)

The site of the anomalous soil sample (1150 ppb Au) was trenched with explosives. The trench, which excavated 30 cubic metres of material, failed to reach bedrock. The area comprised of loose scree material and frost shattered debris. Minor galena was noted in some float samples.

A soil grid was emplaced around the sample site. In contrast to the earlier (1987) grid which ran at oblique angles to the slope, the 1988 grid was a contour grid, with 5 lines, 250m long at 50m intervals. Samples were collected at 25m intervals along lines. Samples were analyzed for Au, Ag, As, Ba, Cu, Pb and Zn. (fig 14,15)

Analysis of the data (Wares, Dunn, 1988) show a central zone with coincident Au, Ag, Pb and As values with a fringe, anomalous halo of Ba values. The zone trends at a narrow angle to the slope and is not solely due to down-slope dispersion. Au values range to 980 ppb Au.

Prospecting showed surface exposures of pyritized shear zones at an elevation 300m above the original soil sample site. The sulphide zone, outlined by a gossan at least 100m wide, was shown to be due to several smaller shear zones that can be traced visually for at least one kilometre. Snow conditions precluded effective prospecting along strike.

Rock samples from the zone showed local enrichment in Ba values, but no anomalous Au or Ag values. The ridge top exposure is notable for its deep weathering. Sulphides may have been leached and dispersed down slope.

Though values are not of immediate economic interest, the presence of anomalous soil values for Au and Ag along part of the trace of the shear zone, suggest that detailed prospecting and trenching is warranted to further explore this part of the property.

Anomalous rock geochemical values indicated in the 1987 survey were shown to be caused by narrow, 0.2 m wide shears that were discontinuous along strike.

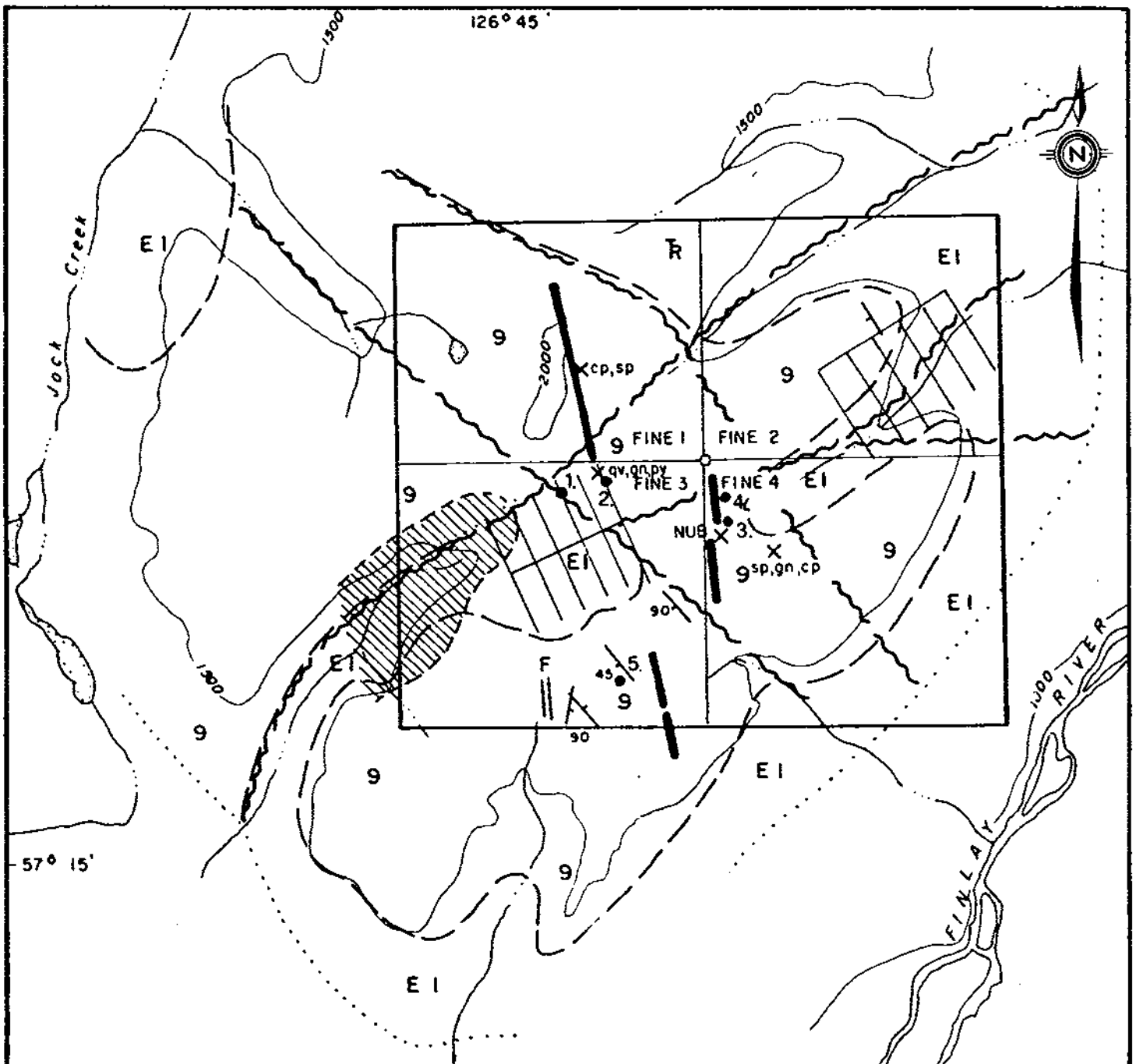
Prospecting showed shear zones in the vicinity of the trenching area have bleached haloes that extend at least 5-10m on either side of the shear.

7:4 Conclusions

The Fine property has been shown to have present a sulphidic shear zone with a strike length of at least one km that has anomalous Au values in soils. Frost shattered material and scree formation has precluded effective sampling. Values and continuity are such that a program of trenching and detailed sampling is warranted. A second phase follow up involving drilling of the shear zone is recommended, contingent upon results from a first phase examination.

Because of terrain and weather conditions, sampling would not be effective until mid to late June.

A first phase program costing \$ 90,000, is recommended (Wares and Dunn, 1988)



● Au(ppb)/Ag(ppm)/Pb(ppm)/Zn(ppm)

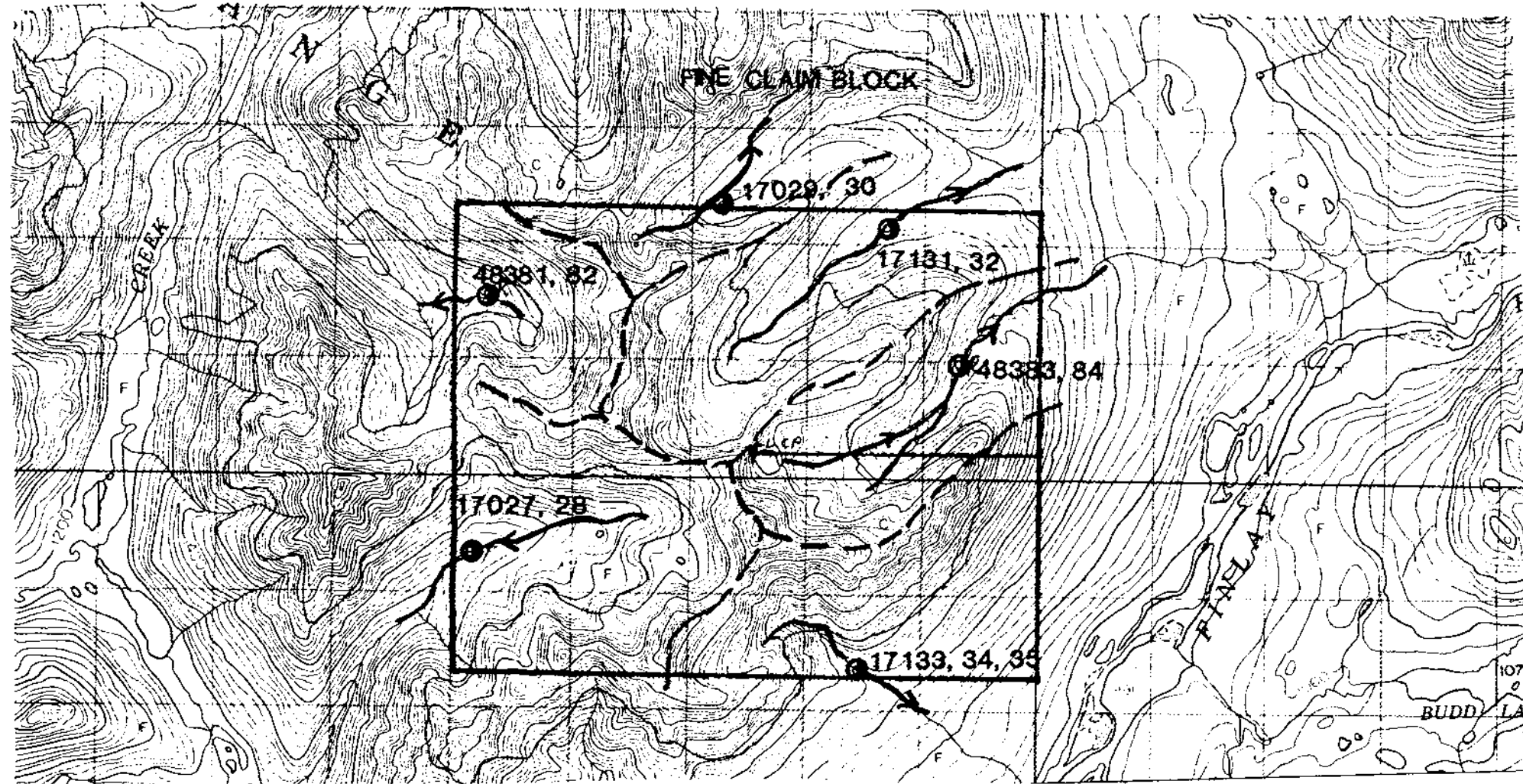
- 1. 80/4/63/106/305
- 2. 1150/70/105/5500/590
- 3. 500/1.3/90/36/4100
- 4. 509/5.8/400/29/45
- 5. 95/4.3/188/183/288

Geology after L.J. Diakow, A. Panteliev & T.G. Schroeter, 1985

TOODOGGONE GOLD INC	
Report by R. Wares	TOODOGGONE PROPERTIES OMINECA MINING DIVISION
Date November 1988	FINE CLAIMS
NTS 94E/7	COMPILATION MAP
Figure	Compilation after J.P. Sorbara 1987 Tecucomp Geological Inc

● paired silt, pan concentrate

■ rock sample



Map Ref. No. 13

N.T.S. 94E/7

SAMPLE DATA GEOCHEMISTRY

PAN CONCENTRATES

#	Au	Ag	As	Ba	Cu	Pb	Zn
48381	5	0.8	21	108	42	28	155
48383	10	0.9	15	106	40	30	154
17131	5	0.8	6	94	8	56	181
17133	5	0.6	6	113	13	36	196
17027	5	0.9	15	338	16	56	352
17029	5	0.8	17	38	30	31	145

SILT SAMPLES

48382	5	1.2	4	196	246	214	978
48384	5	0.4	24	257	88	33	184
17132	10	1.3	4	189	54	108	201
17134	15	0.4	4	181	41	32	154
17028	10	0.3	5	240	83	68	495
17030	5	1.2	27	259	130	59	248

Au - ppb
all others - ppm



TOODOGGONE GOLD INC.

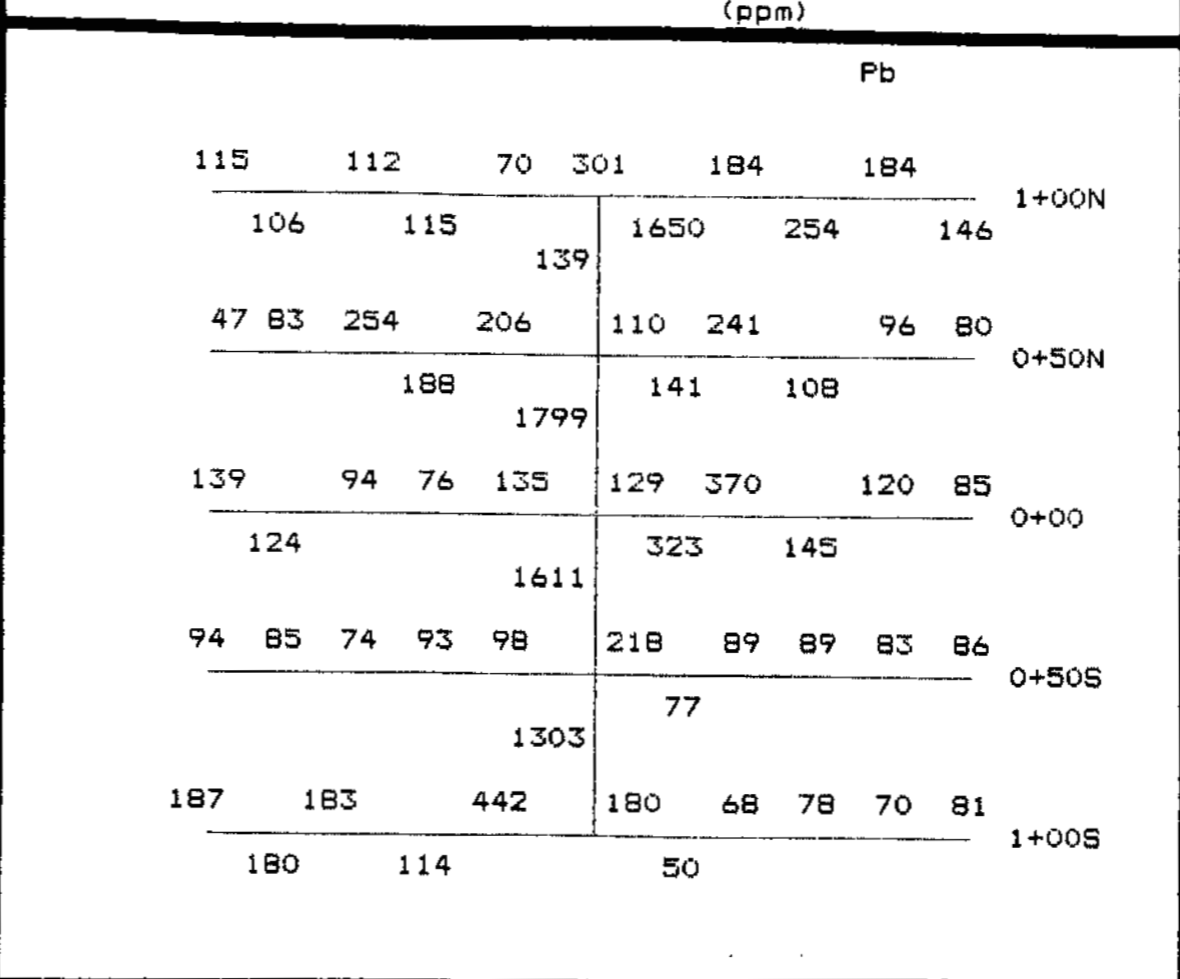
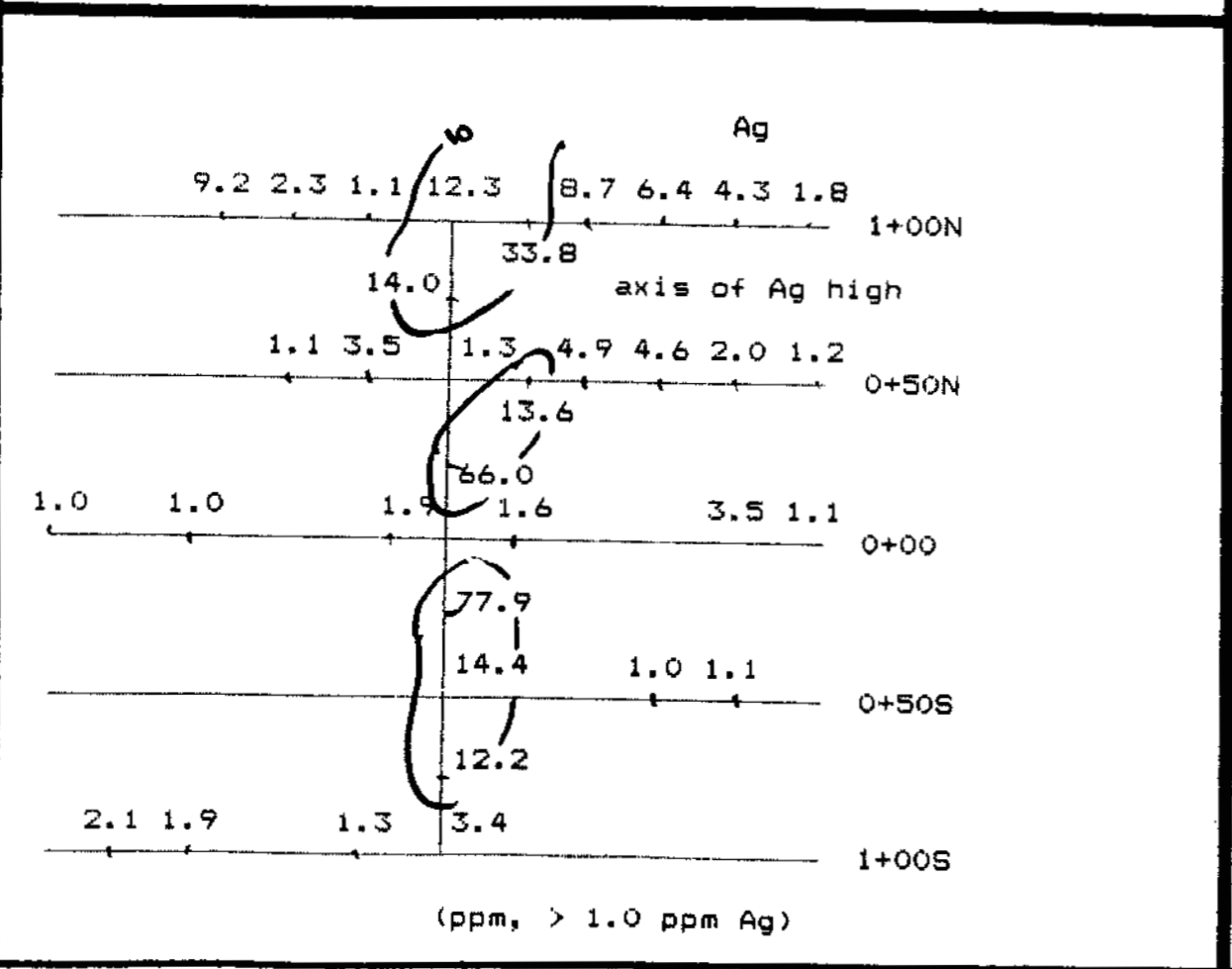
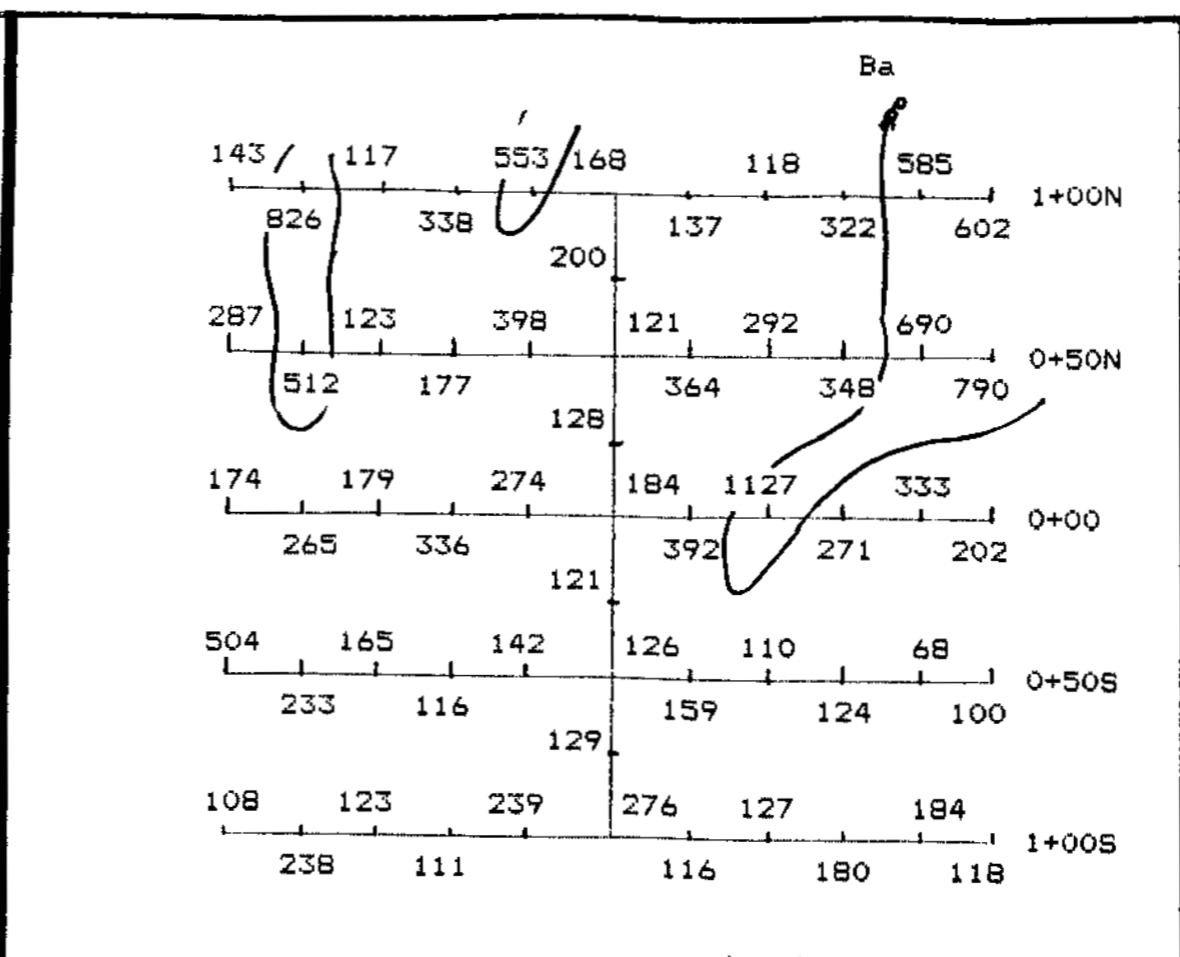
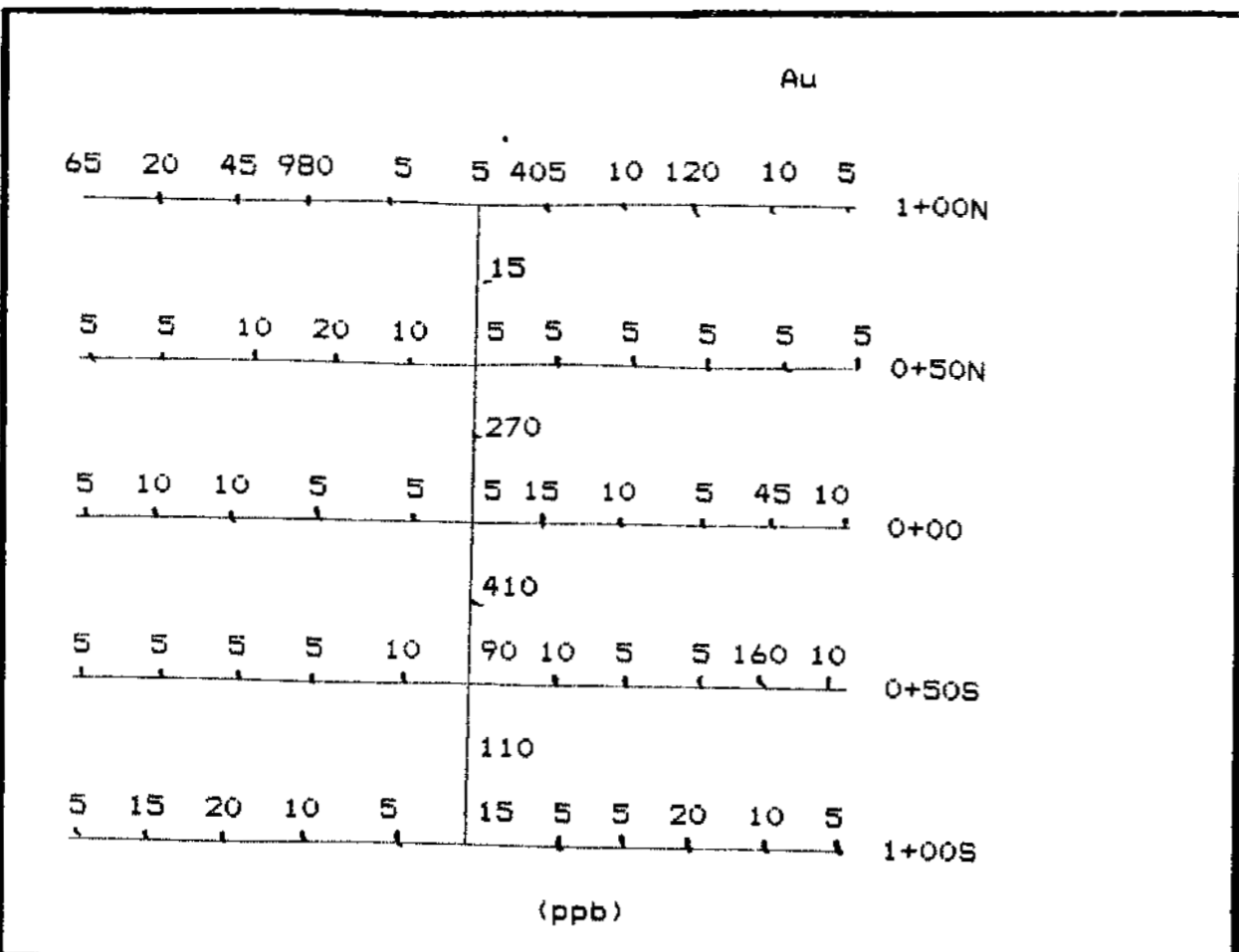
Property: Fine
Location: Toodoggone Area
Type of Map: Geochemical
Based on: Sampling
Date of Work: Sept. 1988
Date: Nov. 1988



Scale

Drawn by:

Map Ref. No. 14
 N.T.S. 94E/7



TOODOGGONE GOLD INC.

Property: **Fine**
 Location: **Toodoggone Area**
 Type of Map: **Geochemical**
 Based on: **Sampling**
 Date of Work: **Sept. 1988**
 Date: **Nov. 1988**

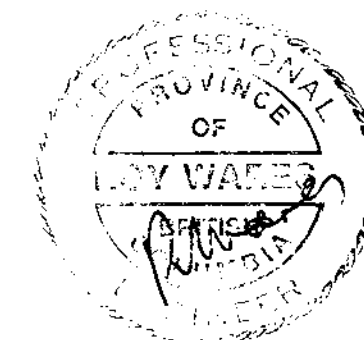
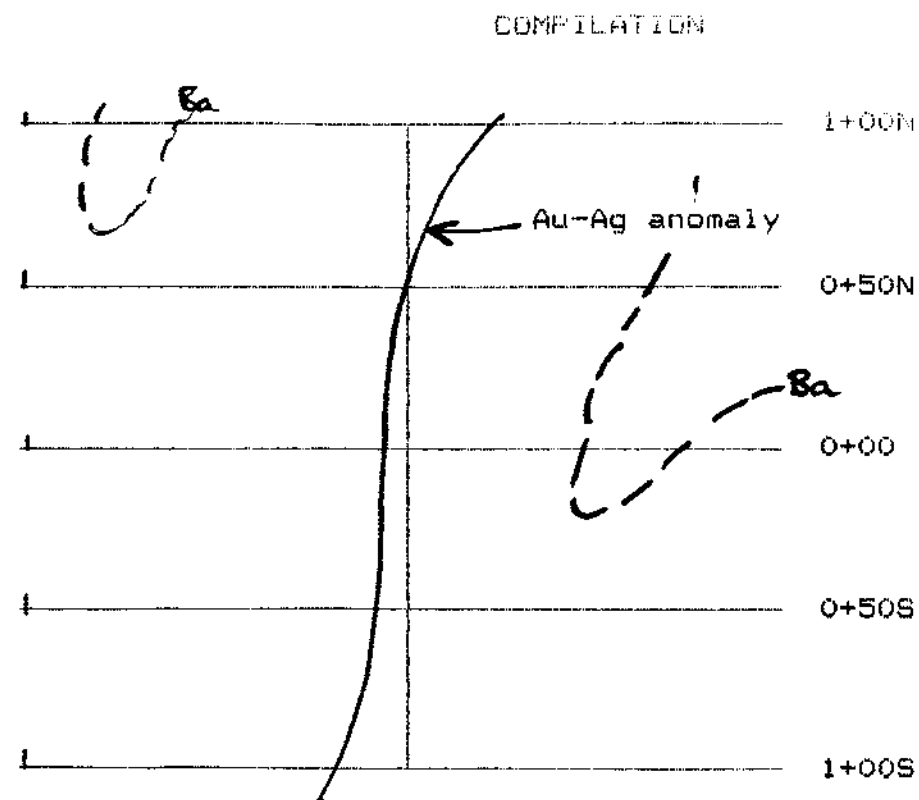
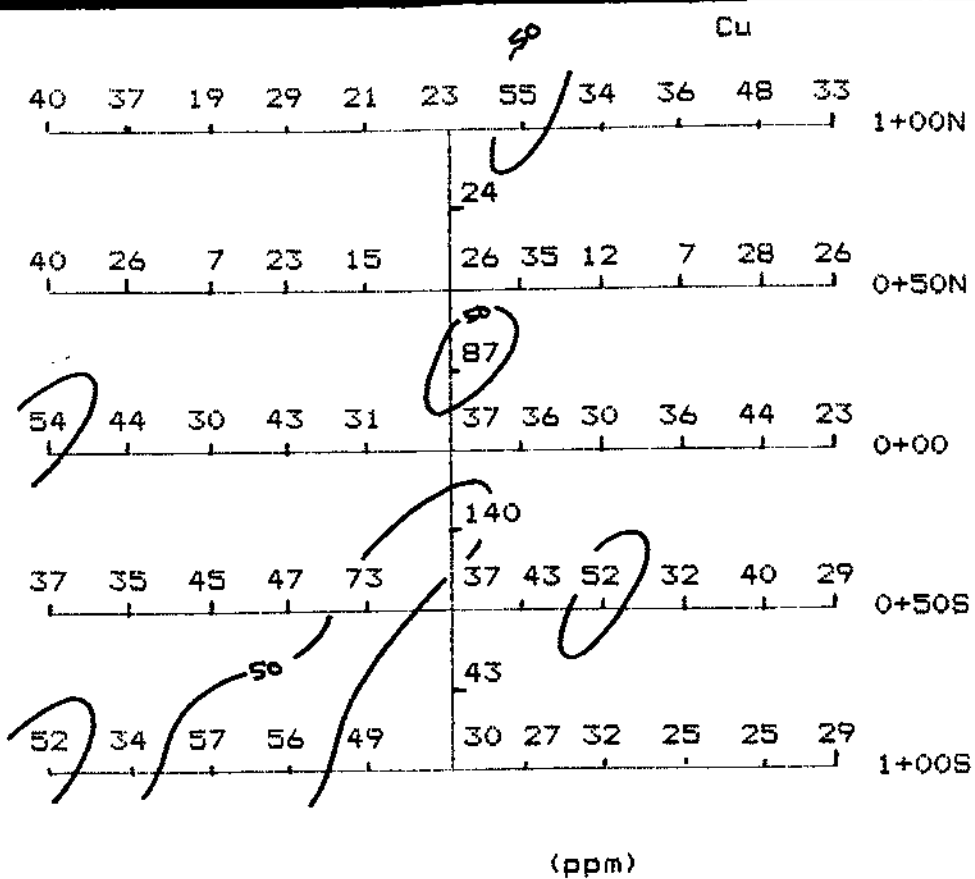
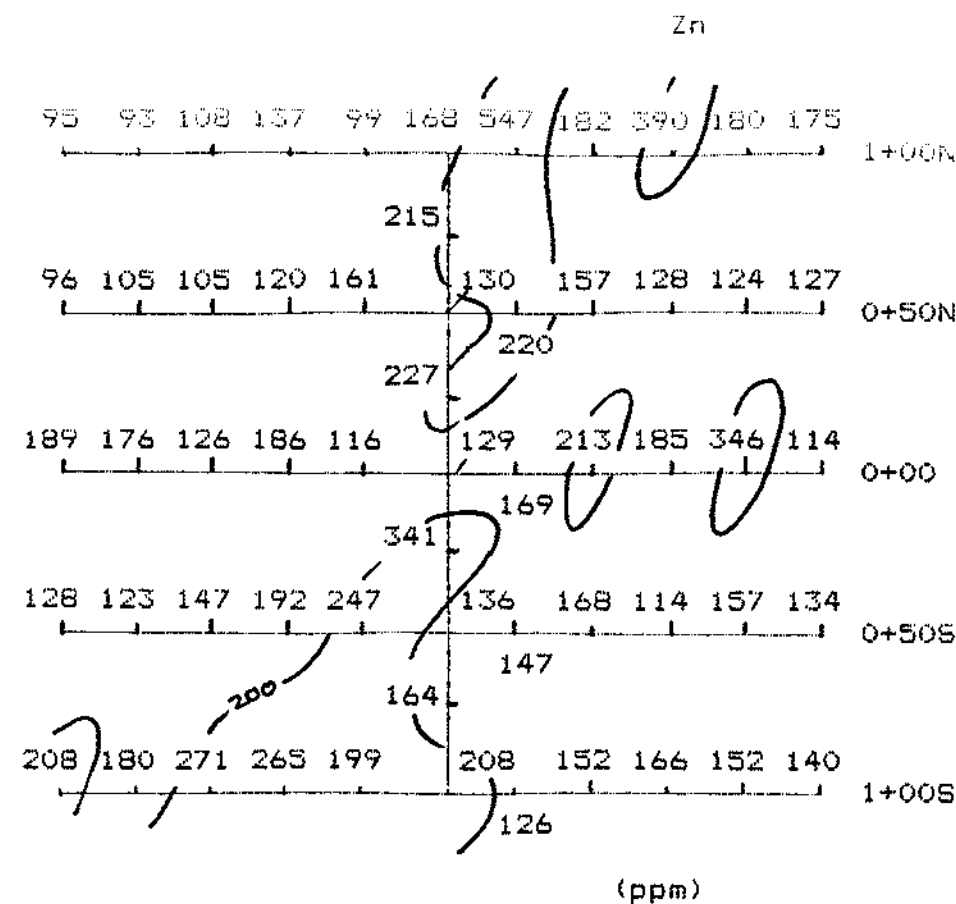
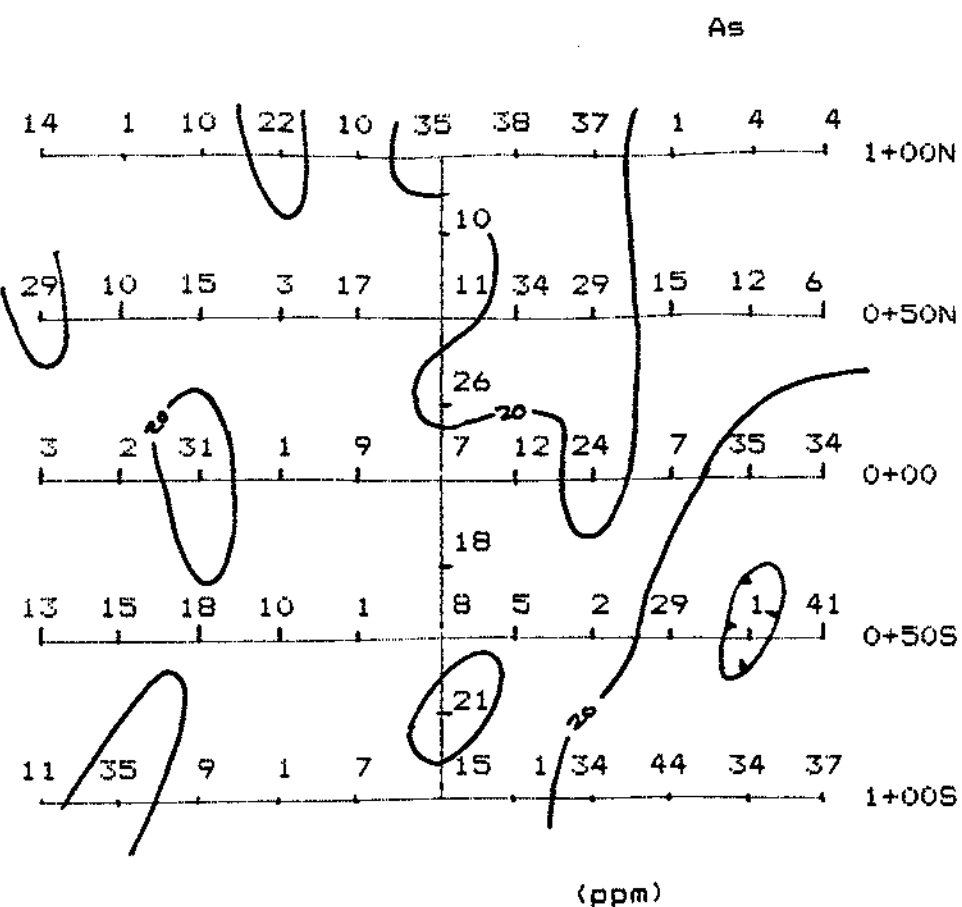


Scale

Drawn by:

Map Ref. No. 15

N.T.S. 94E/7



TOODOGGONE GOLD INC.

Property: Fine
 Location: Toodoggone Area
 Type of Map: Geochemical
 Based on: Sampling
 Date of Work: Sept. 1988
 Date: Nov. 1988



Scale

Drawn by:

8 Barny Claim Group

8:1 General

The Barny claim group, totalling 113 units. is located near the Sturdee airstrip, in the Sturdee River valley. The property ranges from 1200m to 1700m A.S.L. in an area of moderate timber cover. The area shows ample evidence of deglaciation features, with well marked kame terraces, outwash channels, and in the Sturdee valley, well developed aprons of fluvioglacial debris.

The property is relatively accessible on foot

The claim block was examined on 24, 26 September 1988.

8:2 Previous Work

The Barny group was covered by an airborne geophysical survey, as with other properties in the group. (Pezzot, 1987). Follow up work was carried out in 1987, with two soil grids, rock chip sampling, some geological mapping and detailed IP work at a specific showing. (Bekdache, 1987) (fig.17)

A follow up program was recommended.

8:3 1988 Work

Follow up work was limited in extent. Several paired drainage basin samples were collected to check potential of the area surrounding the Chip claim, where there is a favorable environment for skarn Au deposits. Elsewhere on the property, the abundant veneer of fluvioglacial debris renders concentrate sampling of limited merit, since there is a high component of material from outside the drainage basin.

Sample results, (fig 18) are of little interest. None returned positive indications of precious metal occurrences in the vicinity of sample locations.

Examination of the 1987 soil sample locations, showed many were collected in areas that had organic debris on kame terraces, and were of limited value as an exploration tool (Wares, Dunn, 1988).

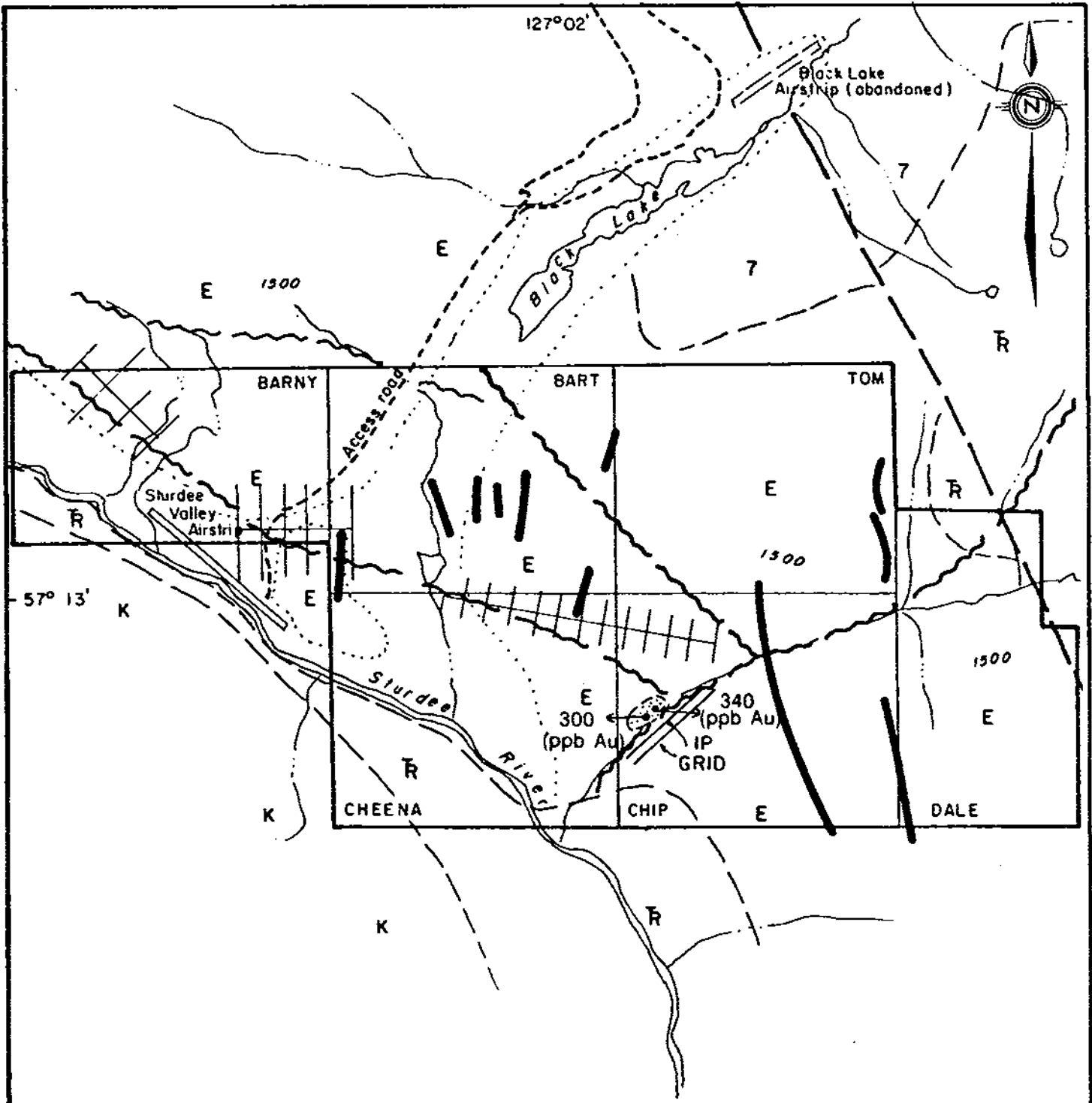
Areas where geophysical data was collected in 1987, were examined in detail.

One area, on the Chip claim, has a pyritic shear zone in a granodiorite host that trends 080. Though exposed over a 100m length of gully, true width is shown to be 15-20m.

Rock samples collected from the occurrence showed anomalous Au values. Replicate samples collected in 1988, confirmed the anomalous character, but field evidence, does not indicate a high potential to the zone. IP traverses run in the vicinity, were, because of topography, sub parallel to the zone and did not enhance potential. (fig 18)

8:4 Conclusions

Because of abundant veneer of fluvioglacial debris, extreme difficulty in effective sampling in the environment, and the general lack of geochemical values of immediate economic interest, no further work is recommended at present.



Geology after L.J. Diakow, A. Panteleyev & T.G. Schroeter, 1985

TOODOGGONE GOLD INC

Report by
R Ware

Date
November 1988

MTS
94E/2

Figure

TOODOGGONE PROPERTIES
OMINECA MINING DIVISION
BARNY CLAIM GROUP
COMPILATION MAP

Compilation after J.P. Sorbara 1987

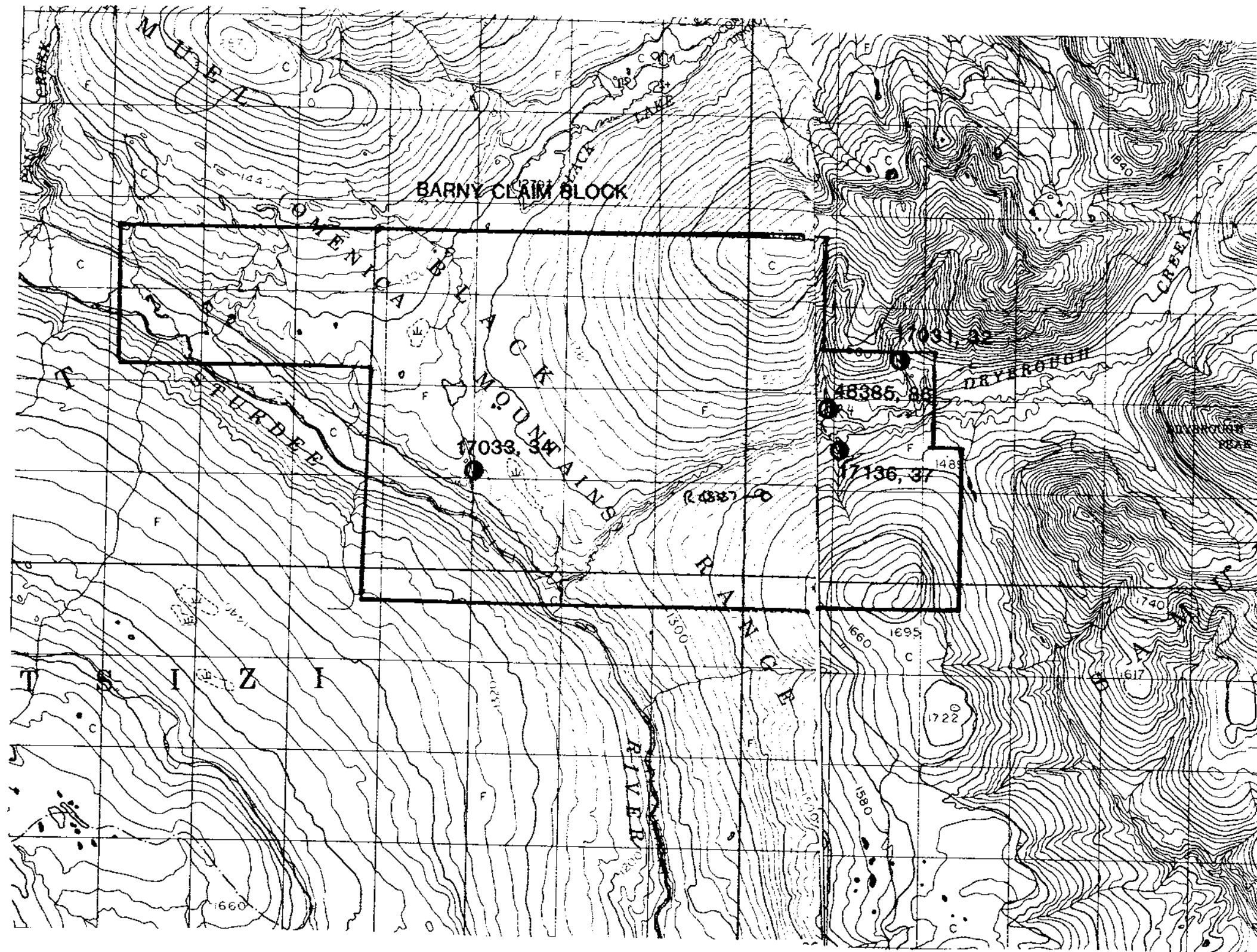
Tecucamp Geological Inc

Map Ref. No. 18

N.T.S. 94E/2,3

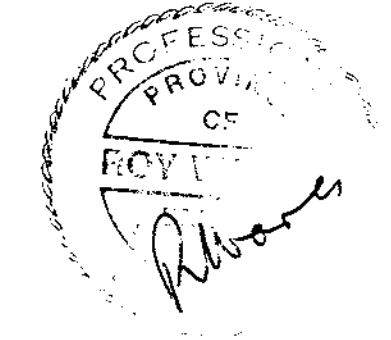
● paired silt, pan concentrate

■ rock sample



SAMPLE DATA		GEOCHEMISTRY					
PAN CONCENTRATES							
#	Au	Ag	As	Ba	Cu	Pb	Zn
48385	5	1.2	22	25	59	22	97
17136	10	0.8	11	82	6	4	84
17031	5	0.9	24	25	46	37	105
17033	5	0.8	15	115	44	33	84
SILT SAMPLES							
48386	5	0.6	27	37	76	15	82
17137	5	0.5	16	175	32	18	79
17032	5	0.7	34	46	77	32	100
17034	5	0.5	20	181	48	22	82

Au - ppb
all others - ppm



TOODOGGONE GOLD INC.

Property: Barny group
 Location: Toodoggone Area
 Type of Map: Geochemical
 Based on: Sampling
 Date of Work: Sept. 1988
 Date: Nov. 1988



Scale

Drawn by:

9 Summary and Conclusions

9:1 Summary

Only limited follow up work is recommended on the claim holdings of Toodoggone Gold Inc., in the Toodoggone area of northern B.C.

Claim holdings were examined by a follow up crew in September 1988, with a view to establishing the precious metal potential of the claims. The existing data base was derived from airborne geophysical surveys in 1986, and limited follow up work in 1987.

Claim groups were covered by paired pan concentrate and silt samples to establish potential for precious metal deposits in the claim groups, and to follow up targets of interest from previous surveys. Objectives were to recommend a strategy commensurate with corporate goals of Toodoggone Gold Inc..

The Wolverine claim group was shown to be of limited economic potential despite the presence of an extensive skarn zone. Drainage samples and rock samples failed to return values in Au and Ag that are of immediate economic interest and none indicated a near surface expression of mineralization of economic interest.

The Gacho/Suet claims did not give any indications of economic potential. The prevalence of heavy overburden cover precludes either surface expression of mineralization or low cost effective exploration. No work is recommended.

The Gord and Mul claims, were shown to have some indications of Pb-Zn values in float and in stream sediments, derived from showings outside the claim block. A limited program is recommended in the claim block to follow up float samples that were anomalous in Au and Ag.

The Eloise, Jeremy and Daniel claims, returned high Ba values in a limited area but no accompanying Au values that could be inferred to be of immediate economic interest. The area with potential is limited to a corner of the claim group and is primarily outside the claim group

The Barny claim group was likewise shown to have only moderate economic potential. Exploration by conventional methods is limited by overburden thickness and abundance of a fluvio-glacial veneer.

The Fine claims were shown to have a central area that has moderate Au values, related to a shear zone intermittently exposed over one km. Other showings on the property were judged, in light of sampling and values obtained, not be of economic significance at present. The central zone merits follow up trenching and detailed sampling to establish economic potential.

9:2 Conclusions

At present, in keeping with corporate goals of Toodoggone Gold Inc., only limited work should be carried out on the Toodoggone area claims.

Follow up work, totalling \$ 90,000 in phase 1, is recommended on the Fine group to establish economic characteristics of the central shear zone. Further recommendations will be made upon completion of this work.

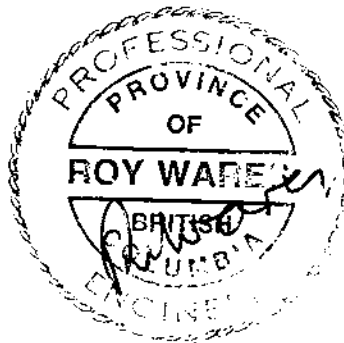
Follow up work is required on the Gord and Mul claims, to establish location, distribution and economic characteristics of float samples that returned high Pb-Zn values, and possible relationship to precious metal occurrences.

Other claims in the group have been shown, on the basis of present and past sampling, to have limited economic potential. No further work is recommended at present. None have geochemical responses, or sufficient showings of merit to justify heavy expenditure at present. No further work is recommended.

Cost of an initial phase on the Gord & Mul claims is estimated to be \$ 30,000..

D.Dunn, F.G.A.C.

R.Wares, P.Eng



November 30, 1988

10 Program Recommendations

10:1 Objectives

Objectives of the program are to;

- a) sample, map and evaluate the potential of the central shear zone on the Fine claim, with an objective to recommending further exploration.
- b) sample and evaluate showings on the Gord and Mul claims with the objective of establishing economic potential.

10:2 Work Program

Phase 1

- a) Fine claims: Trench, using a portable excavator, the central shear zone along strike to establish control, distribution and economic potential of the sulphidic shear. Upon completion of that phase, make appropriate recommendations for future exploration, which could involve diamond drilling to establish down-dip and strike characteristics. The second phase is contingent on results from phase 1
- b) Gord and Mul: Map, sample and trench showings that are demonstrated to have some economic potential based on initial mapping and sampling.

10:3 Cost Estimates

Fine Claims, Phase 1

Geologist/supervisor, 30 days	\$ 9,000
Assistant, sampler, 30 days	\$ 6,000
Transport, aircraft,	\$ 5,000
Mob/Demob, equipment	\$ 2,500
Portable Excavator, 20 days	\$10,000
Camp Costs	\$ 5,000
Supplies	\$ 5,000
Helicopter, 30 hrs	\$22,500
Assays, 250, @ \$25/sample	\$ 7,500
Consulting/Project Management	\$ 6,000
Report Preparation	\$ 2,000

sub total	\$80,500
add 10% contingency	\$ 8,050

TOTAL	\$88,550
SAY	\$90,000

Phase # 2 (contingent upon a positive recommendation by a suitably qualified engineer)

Diamond Drilling, 600m @ @ 120/m	\$72,000
Geologist, 30 days,	\$ 9,000
Transport, aircraft,	\$ 5,000
Mobilization/Demob, equipment	\$ 7,500
Camp Costs	\$ 5,000
Supplies	\$ 5,000
Assays, 200 assays @ \$25 per assay	\$ 5,000
Project Management/Supervision	\$ 6,000
Report Costs	\$ 3,000
Helicopter, 40 hrs	\$30,000

sub total	\$147,500

add 10% contingency	\$ 14,750

TOTAL	\$162,250

Gord & Mull Claims

Geologist, ten days	\$ 3,000
Assistant, 10 days	\$ 2,000
Transport (Split)	\$ 1,000
Helicopter, 10 hours	\$ 7,500
Camp Cost	\$ 2,000
Supplies	\$ 1,500
Assays/geochemistry	\$ 4,000
Explosives, etc	\$ 3,000
Project Management/Supervision	\$ 2,000
Report Costs	\$ 1,000

sub total	\$27,000

add 10 % contingency	\$ 2,700

TOTAL	\$29,700

SAY	\$30,000

TOTAL, Fine, Phase 1 and Gord & Mul \$ 120,000

D. Dunn

D. Dunn, F.G.A.C.
R. Wares, P. Eng.

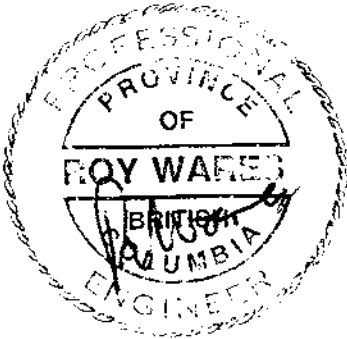
November 30, 1988



A:1 Statement of Qualifications

I, Roy Wares, with a business address in the city of Vancouver, British Columbia, do hereby declare that;

- a) the report is based upon an examination of the claim holdings of Toodoggone Gold Inc. from September 19 to 28, 1988.
- b) I am registered engineer, in good standing, with the Association of Professional Engineers of British Columbia.
- c) I have practiced my profession for over 24 years, in British Columbia, Yukon, U.S.A. and U.K..
- d) I hold the Degree of M.Sc., Queens University, Kingston, Ontario and a B.Sc., Geology, from Aberdeen University, Scotland.
- e) I have no interest, directly or indirectly, in the property or securities of Toodoggone Gold Inc. or related companies, nor do I expect to receive any.
- f) I have no interest directly or indirectly, in any claims or any company holding claims, within 20 kms of any property of Toodoggone Gold Inc. described in this report.
- g) facts in this report are based on examination of existing documents and on field examination of the properties.



Roy Wares, P.Eng

Vancouver, British Columbia

November 30, 1988

I, David St. Clair Dunn, with a business address at 11725 Bridgeport Road, Richmond, British Columbia, do hereby declare that;

- a) This report is based upon an examination of the claim holdings of Toodoggone Gold Inc from September 19 to 28, 1988.
- b) I am a Fellow, in good standing, of the Geological Association of Canada.
- c) I have practiced my profession for eight years in British Columbia, Yukon, and the USA..
- d) I hold a degree of B.Sc. from the University of British Columbia.
- e) I have no interest, directly or indirectly, in the property or securities of Toodoggone Gold Inc., or related companies, nor do I expect to receive any.
- f) I have no interest, directly or indirectly, in any claims, or any company holding claims, within 20 kms of any of the properties of Toodoggone Gold Inc. described in this report.
- g) Facts in this report are based on examination of existing documents and on field examination of the properties.

David Dunn, F.G.A.C.



Vancouver, British Columbia

APPENDIX

ASSAY & GEOCHEMICAL DATA

AND

ANALYTICAL METHODS



**MIN
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TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 887
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9906

Analytical Report

Company: AGGRESSIVE RESOURCES
Project: TOODOGONE GOLD INC.
Attention: D. DUNN/E. HEMMINGSON

File: 8-1692
Date: OCT. 10/88
Type: SOIL & ROCK

Date Samples Received : OCT. 4/88
Samples Submitted by : D. DUNN

Report on 45 PAN CONC, ... 123 SOILS, Geochem Samples
.....
..... 44 ROCKS, Assay Samples
.....

Copies sent to:

1. AGGRESSIVE RESOURCES, VANCOUVER, B.C.
2. TECUCOMP GEOLOGICAL, RICHMOND, B.C.
- 3.

Samples: Sieved to mesh ..-80(SOIL).... Ground to mesh ..-150(ROCK)....

pared samples stored:.....X..... discarded:.....
rejects stored:.....X..... discarded:.....

Methods of analysis:

- AG-ACID DIGESTION CHEMICAL ANALYSIS
- AU-FIRE ASSAY
- AU-WET GEOCHEM
- 6 ELEMENT TRACE ICP

Remarks



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VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7801067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 887
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 284-9998

Certificate of ASSAY

Company: AGGRESSIVE RESOURCE MANAGEMENT
Project: TOODOGONE GOLD INC.
Attention: E. HEMMINGSON/D. DUNN

File: 8-1692/P1
Date: OCT 7/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU* G/TONNE.	AU* OZ/TON
17 103	.59	0.017
17 110	.04	0.001
17 113	.01	0.001
17 114	.06	0.002
17 121	.01	0.001

17 124	.01	0.001
17 135	.01	0.001
17 138	.01	0.001
17 139	.01	0.001
17 140	.01	0.001

141	.02	0.001
17 142	.01	0.001
17 143	.01	0.001
17 144	.01	0.001
17 145	.02	0.001

17 146	.04	0.001
17 147	.01	0.001
17 005	.01	0.001
17 008	.05	0.001
17 013	.01	0.001

17 016	.62	0.018
17 035	.01	0.001
17 036	.01	0.001
17 037	.02	0.001
17 038	.01	0.001

17 039	.01	0.001
17 040	.01	0.001
17 041	.01	0.001
48 357	.01	0.001
48 364	.01	0.001

* 1 ASSAY TON

Certified by _____

MIN-EN LABORATORIES LTD.



**MIN
• EN
LABORATORIES LTD.**

SPECIALISTS IN MINERAL ENVIRONMENTS
CHEMISTS • ASSAYERS • ANALYSTS • GEOCHEMISTS

VANCOUVER OFFICE:
705 WEST 15TH STREET
NORTH VANCOUVER, B.C. CANADA V7M 1T2
TELEPHONE (604) 980-5814 OR (604) 988-4524
TELEX: VIA U.S.A. 7601067 • FAX (604) 980-9621

TIMMINS OFFICE:
33 EAST IROQUOIS ROAD
P.O. BOX 887
TIMMINS, ONTARIO CANADA P4N 7G7
TELEPHONE: (705) 264-9996

Certificate of Assay

Company: AGGRESSIVE RESOURCE MANAGEMENT INC.
Project: TOODOGONE GOLD INC.
Attention: E. HEMMINGSON/D. DUNN

File: 8-1692/P2
Date: OCT 7/88
Type: ROCK ASSAY

We hereby certify the following results for samples submitted.

Sample Number	AU* G/TONNE	AU* OZ/TON
48 365	.02	0.001
48 366	.07	0.002
48 367	.02	0.001
48 387	.05	0.001
48 388	.01	0.001

48 389	.01	0.001
48 390	.01	0.001
48 391	.01	0.001
48 392	.05	0.001
48 393	.17	0.005

394	.01	0.001
48 395	.01	0.001
48 396	.01	0.001
48 398	.01	0.001

*1 ASSAY TON

Certified by

MIN-EN LABORATORIES LTD.

COMPANY: AGGRESSIVE RESOURCES
 PROJECT NO: TODD OGONE GOLD INC.
 ATTENTION: D. DUNN

MIN-EN LABS ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

(ACT: FIRE) PAGE 1 OF 1
 FILE NO: 8-1692/P1+2
 # TYPE PAN CONC. # DATE: OCTOBER 14, 1988

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
17101	.8	17	59	17	20	77	5
17104	1.6	23	32	128	15	91	5
17106	1.0	10	48	74	19	96	10
17108	.8	20	32	52	23	108	5
17111	.6	28	71	51	27	108	5
17115	.8	5	1063	10	74	111	5
17117	.6	9	126	7	27	109	5
17119	1.4	29	89	46	185	666	5
17122	.8	24	207	133	92	1264	5
17125	.8	31	149	36	53	164	5
17127	1.2	25	126	25	23	102	10
17129	1.2	23	39	24	31	120	5
17131	.8	6	94	8	56	181	5
17133	.6	6	113	13	36	196	5
17136	.8	11	82	6	4	84	10
17001	1.3	17	33	55	24	97	5
17003	.6	29	14	129	32	141	370
17006	1.1	48	147	76	29	105	10
17009	1.2	13	61	8	42	146	5
17011	.8	11	57	7	48	163	5
17014	1.2	21	40	10	47	174	5
17017	.8	41	81	111	45	130	30
17019	.8	20	74	30	35	323	5
17021	1.1	10	34	10	52	194	5
17023	1.4	21	36	16	61	156	5
17025	1.3	6	455	7	57	158	5
17027	.9	15	338	16	56	352	5
17029	.8	17	38	30	31	145	5
17031	.9	24	25	46	37	105	5
17033	.8	15	115	44	33	84	5
48351	1.6	41	25	124	11	94	10
48353	1.4	23	30	159	10	97	5
48355	1.2	29	32	164	6	102	5
48358	1.8	60	64	113	21	110	5
48360	1.6	24	56	92	23	111	5
48362	1.2	36	208	23	30	118	5
48369	1.3	36	77	25	46	309	5
48371	1.3	27	68	48	38	192	5
48373	1.0	30	238	25	41	145	5
48375	1.0	19	200	15	29	120	10
48377	1.3	31	33	22	31	120	5
48379	1.2	33	164	144	53	491	5
48381	.8	21	108	42	28	155	5
48383	.9	15	106	40	30	154	10
48385	1.2	22	25	59	22	97	5

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN
17103	1.0	372	63	9	33	88
17110	.7	110	74	21	21	84
17113	1.8	86	35	167	22	86
17114	3.3	84	42	1170	31	90
17121	.6	65	70	41	28	173
17124	.3	62	19	23	33	125
17135	.5	63	39	14	30	236
17138	.8	63	29	12	35	107
17139	.6	51	77	6	114	228
17140	.7	58	141	13	103	251
17141	.7	55	58	27	43	98
17142	1.0	44	77	26	21	75
17143	.4	49	103	21	20	77
17144	.5	56	70	24	15	88
17145	.4	50	62	22	30	94
17146	.7	75	60	8	25	127
17147	.3	28	64	32	8	116
17005	.8	66	22	6	32	94
17008	1.9	99	28	126	36	98
17013	1.7	56	6	36	25	72
17016	121.6	721	5	1912	45222	38072
17035	.9	50	56	23	175	312
17036	.7	30	77	25	178	199
17037	1.1	37	122	17	51	158
17038	1.4	37	49	25	39	90
17039	1.5	44	113	22	35	93
17040	.4	23	38	41	12	74
17041	.9	54	1178	69	112	192
48357	1.1	60	19	861	28	86
48364	.3	69	36	161	9	62
48365	1.5	46	138	15	26	125
48366	.4	139	27	116	12	64
48367	1.1	82	239	201	40	76
48387	2.3	107	67	181	34	78
48388	2.4	80	53	154	23	83
48389	1.5	71	41	91	27	74
48390	1.1	68	57	122	24	76
48391	.4	40	13733	37	77	54
48392	.3	30	13734	42	57	53
48393	.3	26	265	44	21	54
48394	.6	36	130	29	42	83
48395	.5	39	63	23	23	98
48396	1.1	39	38	25	41	133
48398	.9	45	184	78	33	290

PROJECT NO: TOODOGONE GOLD INC.

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1692/P1+2

ATTENTION: D. DUNN/E. HEMMINGSON

(604) 980-5814 OR (604) 988-4524

TYPE SOIL GEOCHEM

DATE: OCTOBER 10, 1988

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
17102	.4	28	145	31	21	79	20
17105	.9	46	90	345	18	99	15
17107	.9	24	207	220	13	81	5
17109	.7	36	108	115	17	104	5
17112	1.6	46	347	190	36	153	10
17116	.8	26	520	31	15	87	5
17118	.6	28	288	31	12	91	5
17120	.5	34	165	37	80	495	10
17123	1.8	36	148	169	29	488	5
17126	2.0	43	366	83	40	148	5
17128	1.1	35	426	60	35	90	5
17130	3.7	41	85	65	17	99	5
17132	1.3	4	189	54	108	201	10
17134	.4	4	181	41	32	154	15
17137	.5	16	175	32	18	79	5
17002	.9	46	74	187	14	87	10
17004	.9	1	37	245	33	141	30
17007	1.4	45	317	212	50	151	10
17010	.9	29	218	106	19	85	5
17012	.5	36	212	23	22	94	5
17015	.8	11	87	84	56	226	5
17018	1.0	28	159	249	43	113	5
17020	1.9	46	148	73	10	531	5
17022	.9	33	123	57	69	199	5
17024	1.1	36	46	42	50	123	10
17026	.4	36	443	21	46	107	20
17028	.3	5	240	83	68	495	10
17030	1.2	27	259	130	59	248	5
17032	.7	34	46	77	32	100	5
17034	.5	20	181	48	22	82	5
48352	.5	33	19	130	10	84	5
48354	.8	31	23	21	12	81	5
48356	.6	33	132	555	12	95	5
48359	1.1	57	86	255	17	136	5
48361	.3	28	71	113	13	90	5
48363	.4	26	228	56	15	89	5
48370	.9	36	195	98	81	497	5
48372	1.8	21	141	162	29	220	10
48374	1.5	39	776	128	40	97	5
48376	.7	34	354	44	28	101	5
48378	.2	41	21	43	18	90	5
48380	.3	32	80	29	19	91	5
48382	1.2	4	196	246	214	978	5
48384	.4	24	257	88	33	184	5
48386	.6	27	37	76	15	82	5
48368	1.4	1569	223	1560	30	145	10
48397	2.3	5	458	13	72	88	10
L1+00S1+25E	.7	37	118	29	81	140	5
L1+00S1+00E	.3	34	184	25	70	152	10
L1+00S0+75E	.5	44	180	25	78	161	20
L1+00S0+50E	.3	34	127	32	68	152	5
L1+00S0+25E	.5	1	116	27	50	126	5
L1+00S0+00	3.4	15	276	30	180	208	15
+00S0+25W	1.3	9	239	49	442	199	5
00S0+50W	.7	1	111	56	114	265	10
75W	1.9	9	123	57	133	271	20
LW	2.1	35	238	34	180	180	15
L0	.5	11	108	52	167	208	5
	.9	41	100	29	86	134	10
	1.1	1	68	40	83	157	160

COMPANY: AGGRESSIVE RESOURCES
 PROJECT NO: TODDGGONE GOLD INC.
 ATTENTION: D.DUNN/E.HEMMINGSON

MIN-EN LABS ICP REPORT
 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
 (604)980-5814 OR (604)988-4524

(ACT: FIRE) PAGE 1 OF 1
 FILE NO: 8-1692/P3+4
 DATE: OCTOBER 10, 1988

(VALUES IN PPM)	AG	AS	BA	CU	PB	ZN	AU-PPB
L0+50S0+75E	1.0	29	124	32	89	114	5
L0+50S0+50E	.3	2	110	52	59	168	5
L0+50S0+25E	.6	5	159	43	77	147	10
L0+50S0+00	14.4	8	126	37	218	136	90
L0+50S0+25W	.9	1	142	73	98	247	10
L0+50S0+50W	.7	10	116	47	93	192	5
L0+50S0+75W	.3	18	165	45	74	147	5
L0+50S1+00W	.7	15	233	35	85	123	5
L0+50S1+25W	.5	13	514	37	94	128	5
L0+00N1+25E	1.1	34	202	23	85	114	10
L0+00N1+00E	3.5	35	333	44	1201	346	45
L0+00N0+75E	.6	7	271	36	145	185	5
L0+00N0+50E	.7	24	1127	30	370	213	10
L0+00N0+25E	1.0	12	392	36	323	169	15
L0+00N0+00	1.9	7	184	37	129	129	10
L0+00N0+25W	.8	9	274	31	135	116	5
L0+00N0+50W	.6	1	336	43	76	186	5
L0+00N0+75W	1.0	31	179	30	94	126	10
L0+00N1+00W	.9	2	265	44	124	176	10
L0+00N1+25W	1.0	3	174	54	139	189	5
L0+50N1+25E	1.2	6	790	26	80	127	5
L0+50N1+00E	2.0	12	490	28	96	124	5
L0+50N0+75E	4.6	15	348	7	108	128	5
L0+50N0+50E	4.9	29	292	12	241	157	5
L0+50N0+25E	15.6	34	364	35	141	220	5
L0+50N0+00	1.3	11	121	26	110	130	5
L0+50N0+25W	3.5	17	398	15	206	161	10
L0+50N0+50W	1.1	3	177	23	188	120	20
L0+50N0+75W	.7	15	123	7	254	105	10
L0+50N1+00W	.3	10	512	26	83	105	5
L0+50N1+25W	.9	29	287	40	47	96	5
L1+00N1+25E	1.8	4	602	33	146	175	5
L1+00N1+00E	4.3	4	585	48	184	180	10
L1+00N0+75E	6.4	1	322	36	254	390	120
L1+00N0+50E	8.7	37	118	34	184	182	10
L1+00N0+25E	33.8	38	137	55	1650	547	405
L1+00N0+00	12.3	35	168	23	301	168	5
L1+00N0+25W	1.1	10	553	21	70	99	5
L1+00N0+50W	2.3	22	335	29	115	137	980
L1+00N0+75W	9.2	10	117	19	112	109	45
L1+00N1+90W	.5	1	826	37	106	93	20
L1+00N1+25W	.7	14	1143	40	115	95	65
BLO+75S	12.2	21	129	43	1303	164	110
BLO+25S	77.9	18	121	140	3611	341	410
BLO+25N	66.0	26	128	87	1799	227	270
BLO+75N	14.0	10	200	24	339	215	15
CL0+00W	.3	1	214	19	29	215	10
CL0+25W	1.1	6	81	97	68	197	5
CL0+50W	1.5	1	106	421	167	440	5
CL0+75W	1.8	10	211	25	93	108	5
CL1+00W	.7	8	340	6	55	88	5
CL1+25W	.3	12	73	20	15	82	5
CL1+50W	.7	27	257	20	96	103	5
CL1+75W	1.6	15	296	33	130	107	15
CL2+00W	2.3	14	337	77	354	146	5
CL2+25W	.7	3	51	54	77	114	5
CL2+50W	2.8	15	388	94	496	176	5
CL2+75W	1.3	5	301	60	425	154	10
CL3+00W	1.0	1	301	50	323	133	5
CL3+25W	1.7	16	276	41	416	124	5

COMPANY: AGGRESSIVE RESOURCES

MIN-EN LABS ICP REPORT

(ACT:FIRE) PAGE 1 OF 1

PROJECT NO: TOODOGGONE GOLD INC.

705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2

FILE NO: 8-1692S/P5

ATTENTION: D. DUNN/E. HEMMINGSON

(604)980-5814 OR (604)988-4524

* TYPE SOIL GEOCHEM *

DATE: OCTOBER 10, 1988

(VALUES IN PPM)	AS	AS	BA	CU	PB	ZN	AU-PPB
CL3+S0W	2.6	86	361	83	970	164	5
CL3+75W	2.4	77	289	8	453	152	5
CL4+00W	3.9	107	168	216	1068	219	15

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

Analytical Procedure Report for Assessment Work

31 Element ICP

Ag, Al, As, B, Ba, Be, Bi, Ca, Cd, Co, Cu, Fe, K, Li,
Mg, Mn, Mo, Na, Ni, P, Pb, Sb, Sr, Th, U, V, Zn, Ga, Sn, W,
Cr

Samples are processed by Min-En Laboratories Ltd., at 705 West 15th Street, North Vancouver, 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 a jaw crusher and pulverized by ceramic plated pulverizer or ring mill pulverizer.

1.0 gram of the sample is digested for 4 hours with an aqua regia HClO₄ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by computer operated Jarrall Ash 9000 ICAP or Jobin Yvon 70 Type II Inductively Coupled Plasma Spectrometers. Reports are formatted and printed using a dot-matrix printer.

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 WORK

PROCEDURE 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.

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

GEOCHEMICAL ANALYSIS PROCEDURE FOR

Pb, Zn and Ag:

Samples are dried at 95°C. Soils and stream sediments are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis.

All rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1. 1.000 gram sample is weighed into 25x200 test tube.
2. Add 2 ml of HNO_3 and let it set for 15 minutes and then add 5 ml of HClO_4 .
3. Place test tubes on sandbath for 6 hours and elevate temperature to 200°C.
4. Take the test tubes off cool and dilute to 25 ml.
5. Read samples on Atomic Absorption Spectrophotometer.
6. Background correction can be carried out on Pb and Silver if it is requested.
7. Standards are digested along with each set of samples and calibrations checked.

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A:4 Statement of Costs - 1988 Program

A. Tecucomp Fees and Expenses

Consulting Fees

P. McGuigan - 6,7/9/88; 29/11/88 3 days @ \$450.00/day	\$ 1,350.00
D. Dunn - 7,8,9(.5),11(.5),12(.5),13,14, 15,16,19,20,21,22,23,24,25,26,27,28/9/88; 3,5(.5),12(.5),13(.5)/12/88 21 days @ \$380.00/day	7,980.00
R. Wares - 19,20,21,22,23,24,25,26, 27/9/88; 27,28,29,30/11/88; 12(.5)/12/88 13.5 days @ \$380.00/day	5,130.00
T. Kennedy - 115,16,19,20,21,22,23,24,25, 26,27/9/88 11 days @ \$250.00/day	2,750.00
M. Pond - 22(.5)/11/88 .5 days @ \$320.00/day	160.00
R. Versoza - 29,30/11/88 2 days @ \$250.00/day	500.00

Expenses

Plotter - 1 hr @ \$80.00/hr	80.00
Flights - 3 x \$356.00	1,068.00
D. Dunn expenses	<u>601.44</u>
Sub Total	\$19,619.44

B. Costs Incurred by Aggressive Resource Management

Project Management (E. Hemingson)	\$ 1,500.00
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Equipment

Camp rental	3,000.00
Neville Crosby (expendables)	740.46
Deakin (expendables)	1,476.35
Camp storage	300.00

Transportation

Helicopters (Northern Mountain Helicopters)	
206 - 3.2 hrs @ \$630.00/hr	2,016.00
500D - 8.6 hrs @ \$653.04/hr	5,616.12
Fixed wing (Central Mountain Air Ltd.)	
Beechcraft - Smithers to Sturdee strip and return	2,045.80

Communications (Ironwood Systems Rentals Ltd.)

Radio rental (3 hand helds, 1 radiotelephone) ..	538.20
Expiditing (Jaycox Industries Ltd.)	640.57
Food (Smithers Safeway)	361.98
Explosives (Ace Explosives)	474.75

Assays (Min-En Laboratories Ltd.)

45 Pan Concentrates	
45 Silt Samples	
44 Rock Samples	
77 Soil Samples	<u>2,882.78</u>

Sub Total	<u>\$21,593.01</u>
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Program Total	\$41,212.45
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15% Aggressive Management Fee	<u>\$ 6,181.87</u>
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**Total Expenditure by Toodoggone Gold Inc.
on the 1988 Program**

\$47,394.32

A:5 Sampling Methodology

Stream Sediments - All Claims

Silts - A standard kraft bag was filled half to two-thirds full of fine material, generally a mixture of silt and sand, dried, and shipped to the lab. Material was collected from the active stream channel, where possible.

Pan Concentrates - Two pans were filled with minus one half inch material sieved through a plastic garden sieve. The gravel this material is sieved from is collected from behind boulders, logs, or the upstream end gravel bars. These pans were then panned to a black sand concentrate of 1 gm to 10 gm. This concentrate was saved and added to concentrate panned from one garden sieve full of moss. The moss is collected from boulders and logs in the active stream channel. The moss is then washed in the sieve, which is submerged over top of the pan. The material collected is then panned to a black sand concentrate of from 4 gm to 20 gm.

The combined concentrate is then shipped to the lab for analysis.

Soil Samples (Fine Claims Only)

Soil samples on the Fine claims were collected in 1988 from a 25 m sample spacing, 50 m line spacing grid (see Figure 16). Soil was dug from between 10 cm and 20 cm depth, coarse material removed, and placed in standard kraft soil sample bags, dried, and shipped to the lab.

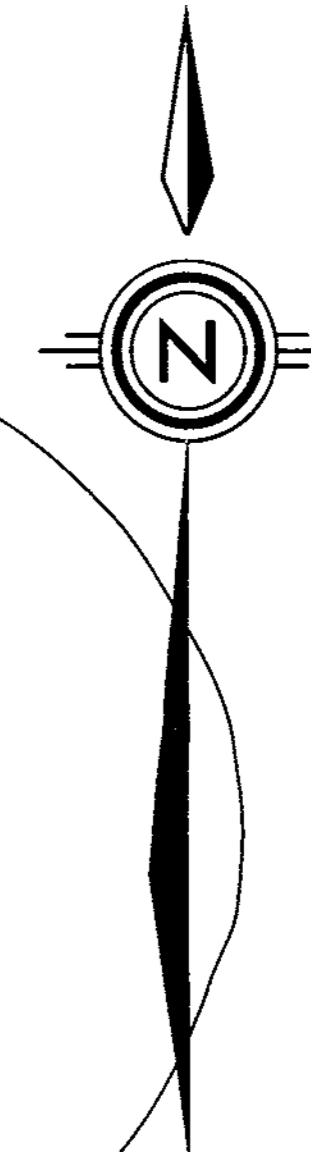
The soil collected consisted of a poorly developed "B" soil horizon and the top of the "C" soil horizon.

A:6 Rock Sample Descriptions

<u>Property</u>	<u>Sample No.</u>	<u>Description</u>
Wolverine/Fisher (See Map 5, Pg. 12)	17005	Grab. Andesite flow minor quartz and pyrite.
"	17008	Chip sample over 10 m. Rhyolite with minor py.
"	17103	Float. Rusty andesite lapilli tuff 5% pyrite, minor chalcopyrite.
"	17110	Float. Andesite with 1% pyrite, minor epidote.
"	17113	Float. Granite with 0.5% pyrite.
"	17114	Float. Andesite 10% pyrite.
"	48357	Grab. Quartz monzonite with minor pyrite.
"	48364	10 m chip. Marble near southeast contact zone.
"	48365	Grab. Hanging wall of pyrite rich zone in marble.
"	48366	0.8 m chip. Silicified skarn.
"	48367	Grab. Andesite with minor pyrite.
"	48368	Soil from gossan zone.
"	17013	Float. Granite minor pyrite. cf same location 17006.
Gord/Mul (See Map 9, Pg. 18)	17016	Float. Highly silicified. Andesite tuff with 10% pyrite, epidote, and 1% galena.
"	17121	Float. Andesite with 1% pyrite.
"	17124	Grab. Granite with 0.5% pyrite.

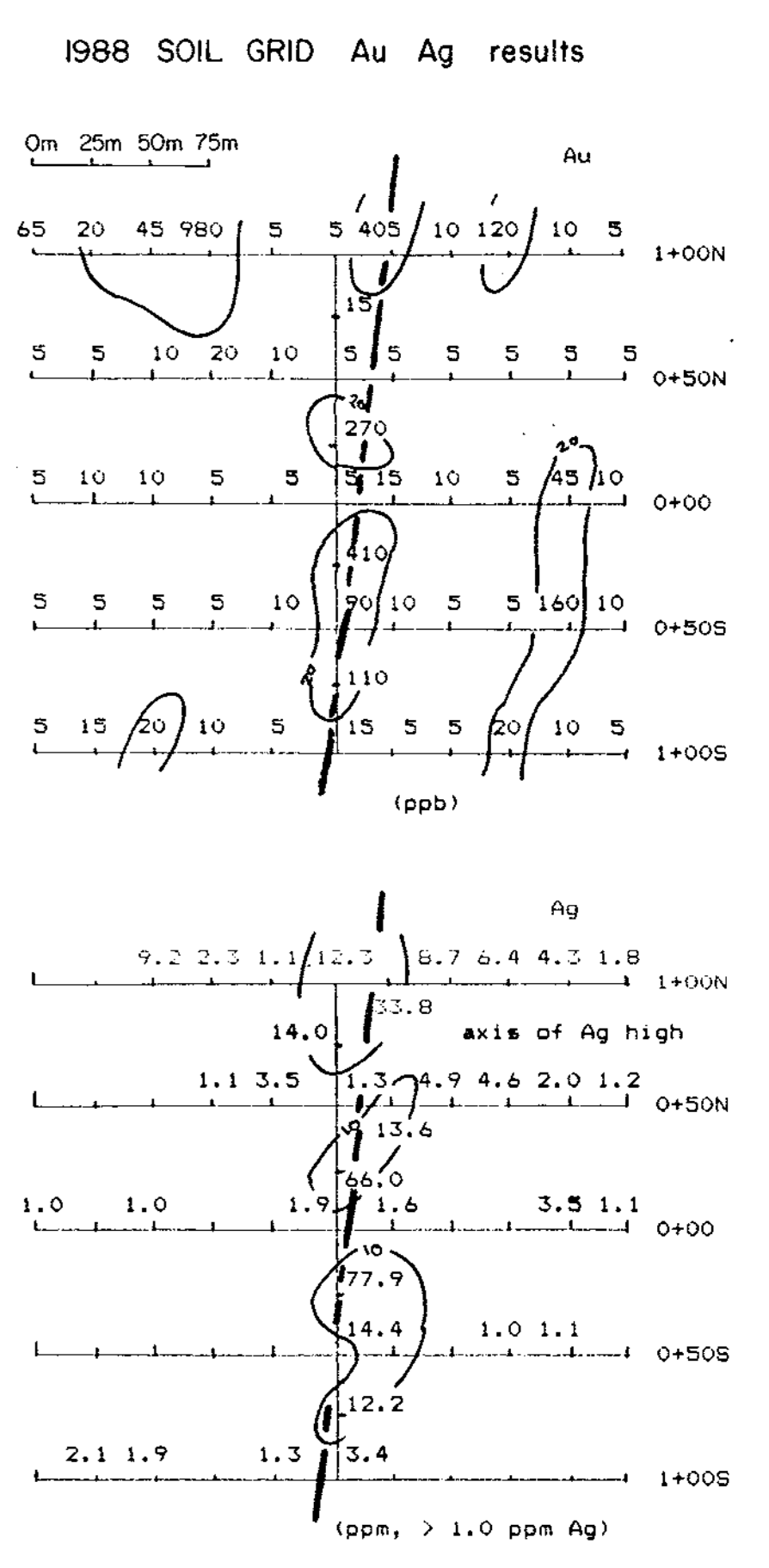
<u>Property</u>	<u>Sample No.</u>	<u>Description</u>
Eloise/Jeremy/Daniel (See Map 11, Pg. 21)	48391	1.5 m chip. Bleached silicified dyke with 1% pyrrhotite, minor pyrite.
"	48392	"
"	48393	"
		NB: 48391-48393 were taken west to east across the dyke.
Barny Group (See Map 18, Pg. 32)	48387 - 48390	3 m chips west to east across a 12 m shear zone in granodiorite. Shear attitude 170°/70°W 2% pyrite overall.
Fine Claims (See Map 13, Pg. 25 and Map 16, back pocket)	17135	Float. Andesite agglomerate minor pyrite, covellite?
"	17035	1 m chip. Andesite with minor pyrite.
"	17036	2 m chip. Andesite with minor pyrite.
"	17037	"
"	17038	1 m chip. Andesite with minor pyrite.
"	17039	Grab. Andesite with minor pyrite.
"	17041	"
"	17138	Float. Silicified andesite with minor pyrite.
"	17139	Grab. Silicified andesite with minor pyrite.
"	17140	Grab. Porphyritic andesite tuff. Minor pyrite.
"	17141	5 m chip. Silicified andesite.
"	17142	2 m chip. Silicified andesite. 2% pyrite.

<u>Property</u>	<u>Sample No.</u>	<u>Description</u>
Fine Claims (See Map 13, Pg. 25 and Map 16, back pocket)	17143	2 m chip. Silicified andesite. Minor pyrite.
"	17144	"
"	17145	Grab. Silicified andesite. Minor pyrite.
"	17146	2 m chip. Quartz vein with 2% pyrite and amethyst.
"	48394	1 m chip. Fault zone in andesite near granodiorite contact. Minor pyrite.
"	48395	1 m chip. Andesite with minor pyrite.
"	48396	"
"	48398	0.5 m chip. Andesite with minor pyrite.



LEGEND

- Sample location and number: ○17014
- Trench: —
- Soil anomaly > 40 ppb: [Symbol]

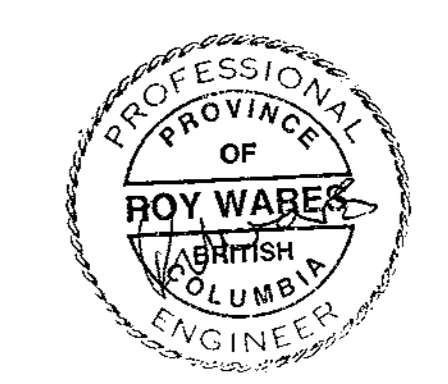


PROJECT: Fine

see maps for locations 1

NO.	N	E	Type	Au (ppb)	Ag (ppb)	Ba	Cu	Pb	Zn		
4879A			CHD	1.0m	0.001	0.4	50	150	29	42	83
4879C			CHD	1.0m	0.001	0.5	29	62	25	25	98
4879a			CHD	1.0m	0.001	1.1	29	38	25	41	153
4879B			CHD	0.5m	0.001	0.9	45	184	78	33	290
17025			CHD	1.0m	0.001	1.1	29	38	25	37	132
17036			CHD	2.0m	0.001	0.7	35	77	25	198	199
17037			CHD	2.0m	0.001	1.1	27	122	13	31	156
17038			CHD	1.0m	0.001	1.4	27	42	25	39	90
17039			CHD	1.0m	0.001	1.5	44	112	25	29	42
17041			grd	0.001	1.1	54	1175	49	112	192	float
17042			grd	0.001	0.8	51	29	12	25	107	
17040			grd	0.001	0.7	77	8	114	20		
17041			CHD	5.0m	0.001	0.7	38	141	13	105	251
17042			CHD	2.0m	0.001	1.0	44	77	26	21	75
17043			CHD	2.0m	0.001	0.9	25	35	27	43	98
17044			CHD	2.0m	0.001	0.5	36	70	24	15	88
17045			grd	0.001	1.4	29	42	25	39	90	
17046			CHD	2.0m	0.001	0.7	35	69	8	25	127

NOTES: Au - fire assay, except all others - ppb



GEOLOGICAL BRANCH
ASSESSMENT REPORT

18-161

SCALE 1:5000

TOODOGGONE GOLD INC

Report by:
R Waber O.C.E.M.
Date:
November 1988
NIP:
94E/7

TOODOGGONE PROPERTIES
FINE CLAIMS
COMPILATION MAP

Tecumac Geological Inc

