

**REPORT ON THE 2000 EXPLORATION PROGRAM**

**ON THE TODD CREEK PROPERTY**

**SKEENA MINING DIVISION,**

**STEWART GOLD CAMP,**

**NORTHWESTERN BRITISH COLUMBIA.**

**LATITUDE 56° 15' NORTH**

**LONGITUDE 129° 46' WEST**

**NTS 104 A/5, 104 A/4**

**BY**

**GEOFINE EXPLORATION CONSULTANTS LTD.**

**FOR**

**GOLDEN CARIBOO RESOURCES LTD.**

**APPENDIX B: MAPS**

**GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT**

**26,485**

**DECEMBER  
2000**

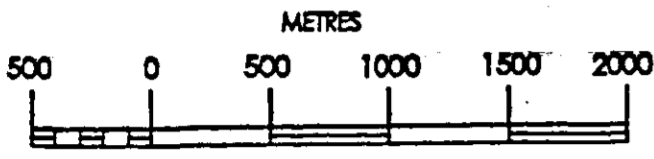
**3 of 4**

LIST OF MAPS:

TITLE:

APPENDIX B LOCATION:

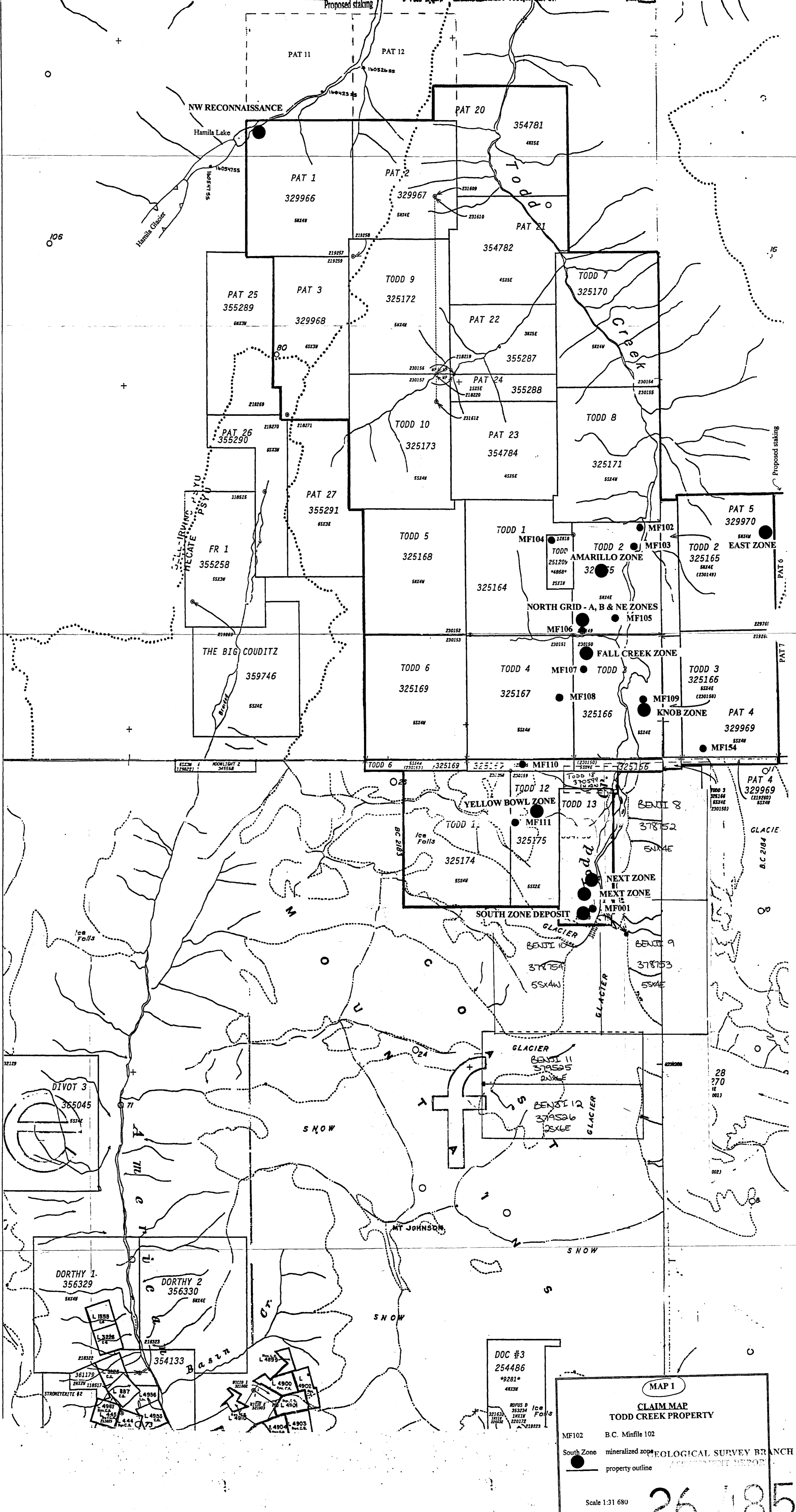
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THIS MAP IS PREPARED ONLY AS A GUIDE TO THE LOCATION OF MINERAL TENURE AS SHOWN ON THE LOCATOR'S SKETCHES. FOR CURRENT OR MORE SPECIFIC INFORMATION, APPLICATION SHOULD BE MADE TO THE MINING DIVISION CONCERNED.

10480E	10440W	104A0E
10480E	10440W	104A0E
10301E	10313W	10313E

INDEX TO ADJOINING MAPS



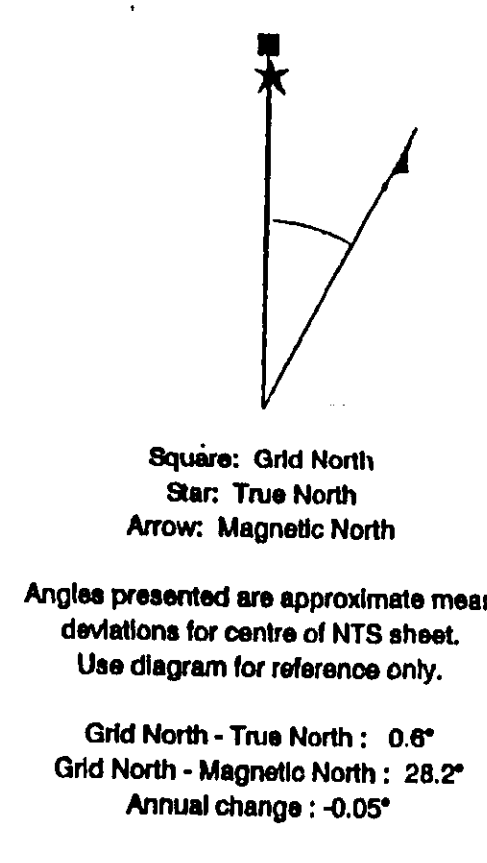
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254486  
#9281\*

**MAP 1**  
**CLAIM MAP**  
**TODD CREEK PROPERTY**

MF102 B.C. Minfile 102  
South Zone mineralized zone  
property outline

Scale 1:31 680  
Geofine Nov., 2000

**26.485**



**FLIGHT PATH**

Navigation and flight path recovery was conducted using a Global Positioning System (GPS) satellite navigation system.

Lines were flown at an azimuth of 90 - 270°, with an average line spacing of 200m.

Average helicopter-terrain clearance of 80m was monitored by radar and barometric altimeters.

**EM ANOMALIES**

EM anomalies selected by computer algorithm and manually confirmed. Selection is based on the response correlation to theoretical sources such as a steeply dipping conductor.

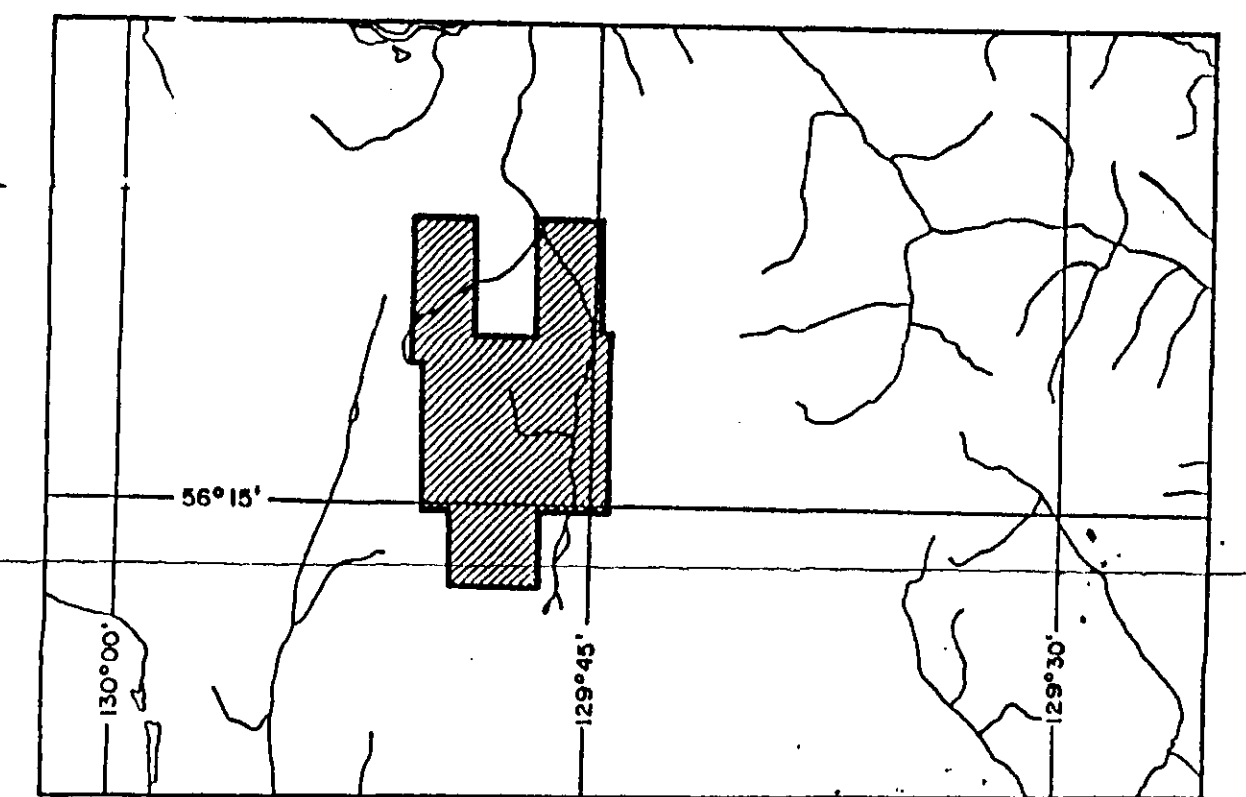
Calculation of conductance is based on the response of the 4600 Hz coeal data, and forms the basis for anomaly classification.

Letter codes are used to identify individual anomalies on a line, and the inphase amplitude of the 4600 Hz response is annotated opposite.

- 0 - 1 mhos
- 1 - 2 mhos
- 2 - 4 mhos
- 4 - 8 mhos
- 8 - 16 mhos
- 16 - 32 mhos
- > 32 mhos

**INTERPRETATION LEGEND**

- High amplitude magnetic trends
- Lower amplitude magnetic trends
- Major below background magnetic zone
- Conductive trend
- ▨ Area of anomalous potassium channel response
- K Localized potassium channel response
- Th Localized thorium channel response
- U Localized uranium channel response
- W W Possible fault structure
- □ Exploration Targets



**GEOFINE EXPLORATION CONSULTANTS LTD.**

**INTERPRETATION SURVEY BRANCH**  
ASSESSMENT REPORT

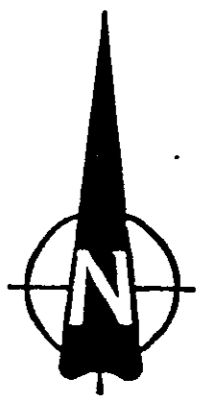
**TODD CREEK PROPERTY**  
MAP 2

SCALE 1:20 000

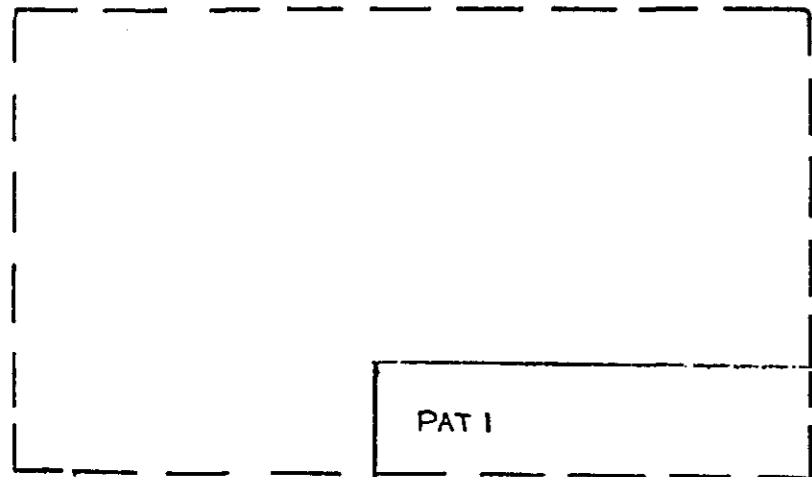
26.405

500 0 200 400 1000 2000 metres

<b>GEONEX AERODAT</b>	Date Flown : AUG 1994
	NTS : 104 A/4,5
	Project : J9440 Map Ref : 1 - 2
	Revised Nov. 2000



NW RECON TARGET AREA

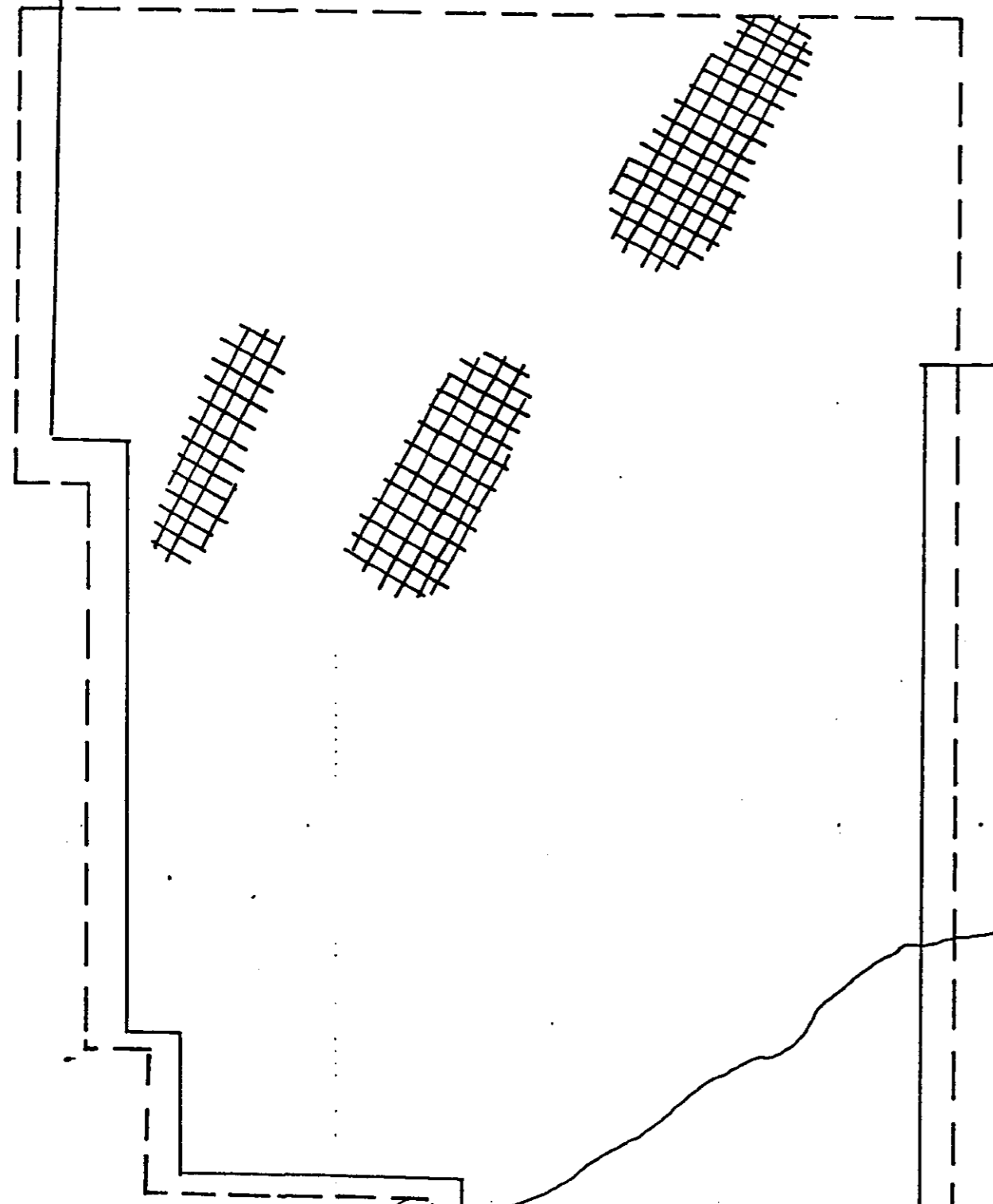


PAT 1

PAT 2

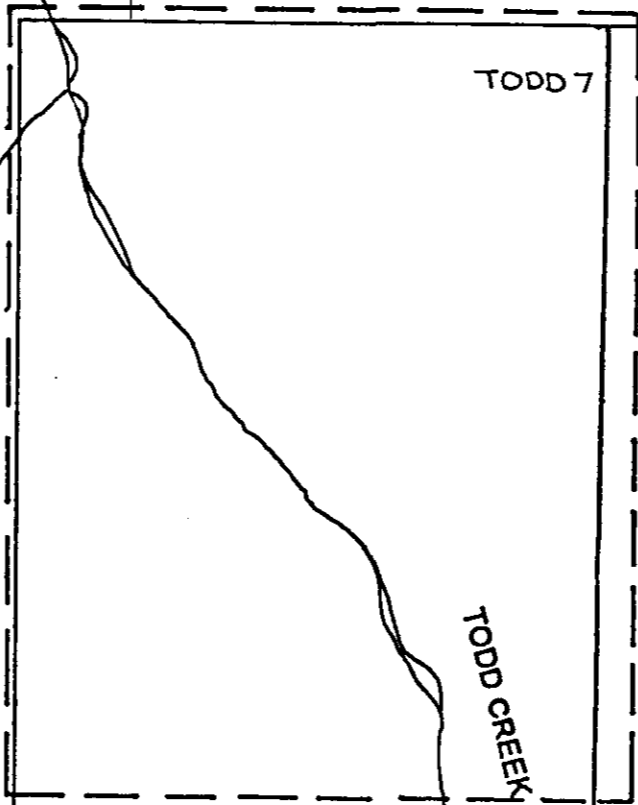
PAT 20

VIRGINIA CREEK TARGET AREA



VIRGINIA CREEK

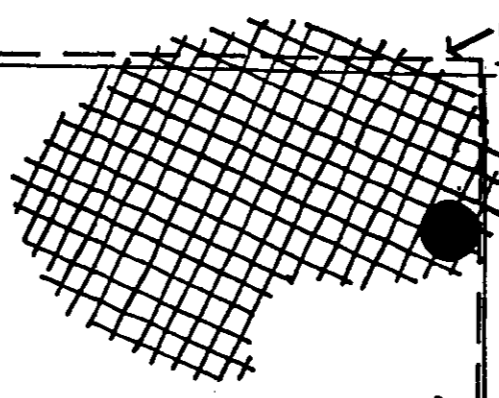
NORTHEAST TARGET AREA



TODD 7

TODD CREEK

ORANGE MOUNTAIN TARGET AREA



EAST TARGET AREA



FALL CREEK TARGET AREA

FALL CREEK

TODD

< Amarillo Zone

< North Zone

< Fall Creek Zone

< Knob Zone

AMERICAN CREEK

MID ZONE TARGET AREA

TODD

SOUTH ZONE TARGET AREA

PAT 4

Yellow Bowl Zone

TODD 13

< Next Zone

< Next Zone

< South Zone Deposit

TODD 11

< Mylonite Zone

GEOLOGICAL SURVEY BRANCH  
MINERAL DEPARTMENT

26,485

TODD CREEK PROPERTY

MAP 2A

TARGET AREAS & ALTERATION ZONES

— property outline

▨ alteration zones

- - - target area outline

<SZS INTERPRETED EXTENSION

OF SOUTH ZONE STRUCTURE

<KNOB ZONE 2001 PRIORITY

TARGET

SCALE: 1:25,000

November 1997

Revised Nov. 2000

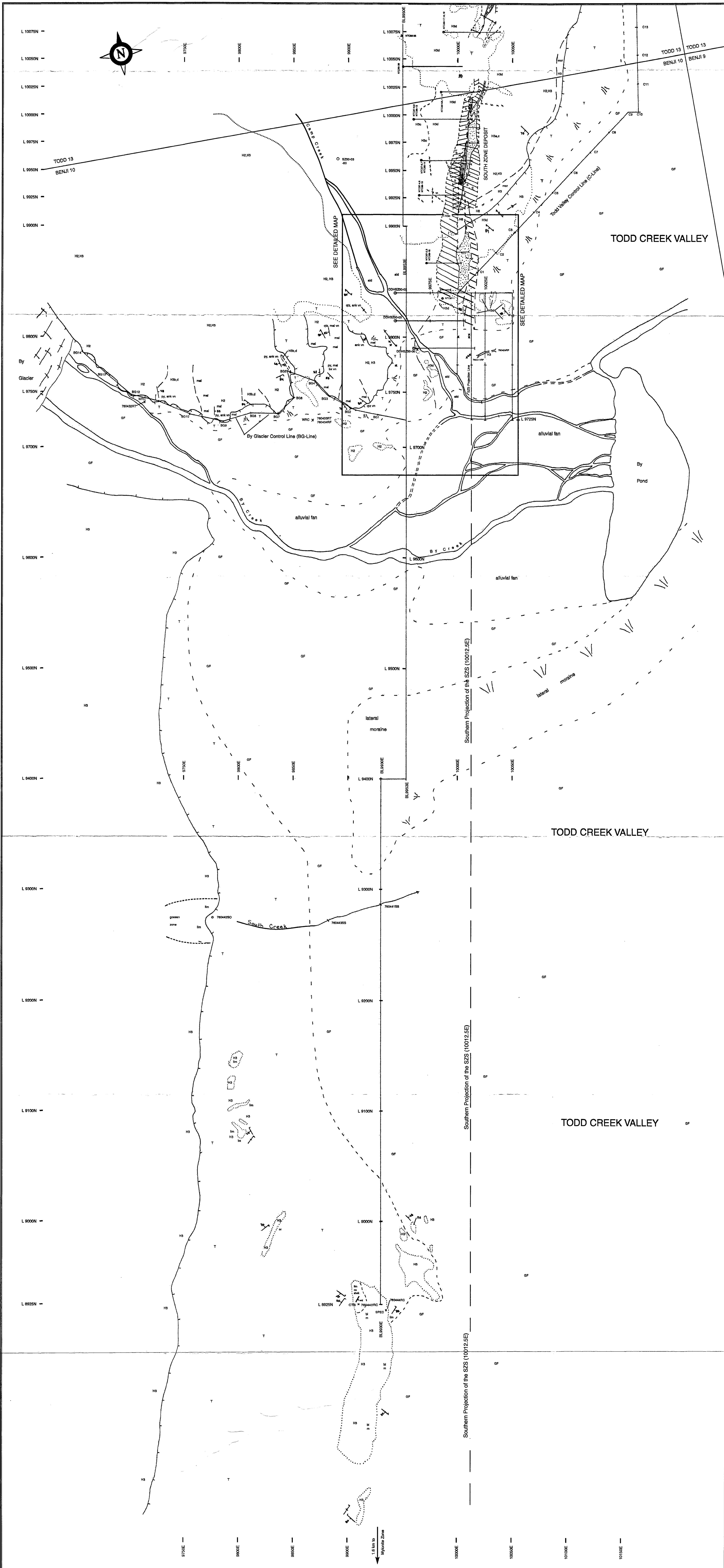


TABLE A3AAR: ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED IN AREA OF SOUTHWEST KNOB

MN. TYPE	SAMP NO	AU	CU	PB	ZN	AG	CD	AS	BA	W
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
WRC	760438T	210	740	40	24	1.4	<0.5	208	10	<10
WRC	760438T	50	403	28	34	<0.2	<0.5	4	100	<10
WRC	760448F	<30	159	11	10	0.2	<0.5	379	10	<10

TABLE A15B: ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED IN AREA OF POSTULATED SOUTHERN EXTENSION OF SZS - SOUTH ZONE TO MFLONITE ZONE

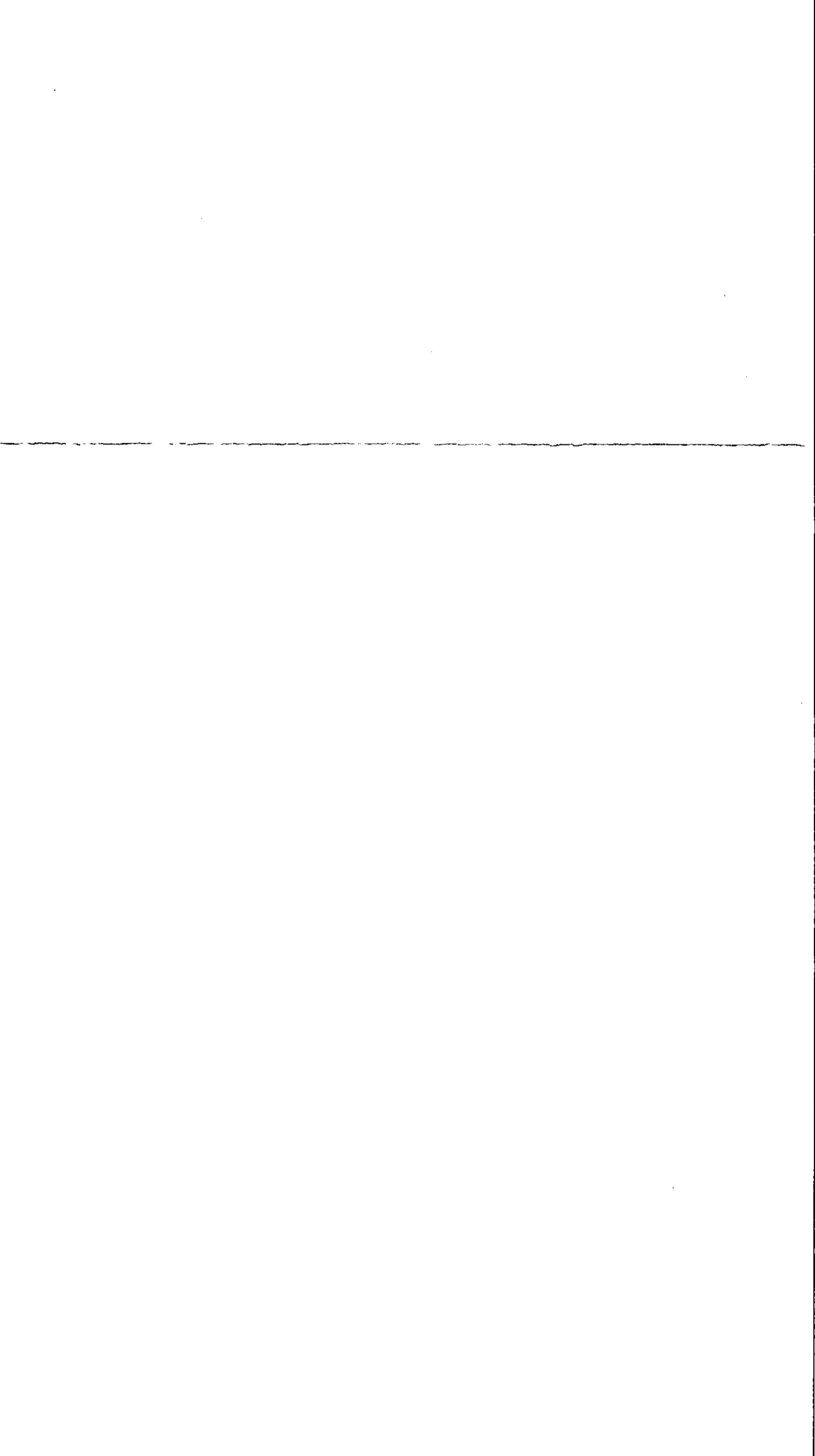
MN. TYPE	SAMP NO	AU	CU	PB	ZN	AG	CD	AS	BA	W
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
CTB	760448C	<30	17	32	82	0.2	0.5	<2	810	<10
SPEC	760448C	80	21	80	54	0.8	<0.5	<2	250	<10

TABLE A15C: ANALYTICAL RESULTS FROM STREAM SEDIMENT SAMPLES COLLECTED IN AREA OF POSTULATED SOUTHERN EXTENSION OF SZS - SOUTH ZONE TO MFLONITE ZONE

SAMP NO	AU	CU	PB	ZN	AG	CD	AS	BA	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
760445S	<30	18	10	64	<0.2	0.5	30	270	<10
760443S	<30	18	10	62	<0.2	0.5	18	210	<10

TABLE A15D: ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED IN AREA OF POSTULATED SOUTHERN EXTENSION OF SZS - SOUTH ZONE TO MFLONITE ZONE

SAMP NO	AU	CU	PB	ZN	AG	CD	AS	BA	W
	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
760442S0	<30	27	14	72	<0.2	<0.5	12	72	<10



**MINERALIZATION TYPES**

- SM semi-massive sulfides
- SMB sulfide matrix breccia
- M blebby chalcopyrite breccia vein
- SPEC massive to semi-massive specular hematite; spec matrix breccia; spec breccia
- WRC wallrock chalcopyrite veins, stringers, stockworks often with malachite
- CT, CTB crystal tuff, crystal tuff breccia
- GAL blebby to waxy to stringers of galena in waxy, oxidized euhedral quartz veins
- BAR baritized rock, veins, breccia veins, stringers, stockworks in crystal tuff breccia
- PV CTB pyritized crystal tuff i.e. Knob Zone mineralization
- SCHIST schist, sericite schist in fault zones
- OX RK intensely oxidized (limonite grunge) as in South Zone trench
- QPF quartz feldspar porphyry often with hornblende phenocrysts
- TOUR BREC tourmaline breccia
- CSB carbonate sulfide breccia as at Yellow Bowl Zone

**ABBREVIATIONS**

ald alders	hbl hornblende
AM alpine meadow	jaral jarosite/alunite
ank ankrite	lim limonite
ba barite	m massive
bl bleached	mal malachite
bo bornite	mar maroon
bx brecciated	Mn manganese
cal calcite	ox oxidized
carb carbonatized	py pyrite
ch chloritized	qtz vn quartz vein
cpy chalcopyrite	ser sericized
CTC crystal tuff breccia	sil silicified
epi epidote	spec specularite
GF glacial fluvial	spn sphalerite
gr grass	spr spruce
gn galena	stwk stockwork
hem hematized	T talus
	vn vein

**SYMBOLS**

- BL10000E historic Noranda Base Line (1987)
- BL 9950E new south zone Base Line (1999/2000)
- x 760433 rock sample location and number
- o 760432 soil sample location and number
- or -I panel sample
- outcrop area

760333 SS stream sediment sample

- SQ soil sample
- RC rock composite sample
- RP rock panel sample
- RF rock float sample
- RS rock subcrop sample
- RT rock talus sample
- RTO rock talus composite sample
- RG rock glacial boulder
- RGC rock glacial boulder composite

Interpreted fault

- 75 strike/dip of joint, fracture
- 75 strike/dip of vein, dyke, zone
- 75 strike/dip of shear
- cliff, down slope
- stream and direction
- I boundary, surficial debris
- H2 geological or mineralogical boundaries
- mineralization boundaries
- proposed drill hole
- historic drill hole (Noranda)
- HTC slump zone

**ROCK TYPES**

HAZELTON GROUP - LOWER AND MIDDLE JURASSIC

- H1 overthrust
- H2 crystal tuff
- H3 crystal tuff breccia, agglomerate
- a quartz +/- pyrite altered, white to pale brown weathering
- b sericite +/- quartz-pyrite altered, rusty yellow weathering
- c chlorite +/- quartz-epidote-pyrite altered white to pale green weathering
- d carbonate +/- quartz-pyrite-epidote altered, pale to dark brown weathering
- H4 ash tuff, ash tuff breccia, agglomerate
- H5 undifferentiated pyroclastic rocks: tuff, breccia, agglomerate
- H6 felsic volcanic rocks (rhyolite)
- H7 intermediate volcanic rocks (dacite)
- H8 mafic volcanic rocks (basalt, pillowed basalt, andesite)
- H9 undifferentiated, strongly altered rock

**INTRUSIVE ROCKS**

- R1 felsic dykes
- R2 hornblende diorite porphyry
- R3 quartz feldspar porphyry
- R4 mafic dyke

Quartz-hematite-chalcopyrite +/- chlorite +/- calcite vein and/or intense stockwork

Quartz-hematite-chalcopyrite +/- chlorite +/- calcite stringer zone, veins to 20 cm wide

Pyrite-sericite-chalcopyrite vein zone, massive veins to 20 cm wide

Pyrite-sericite-chalcopyrite stringer zone, veins to 5 cm wide, widely spaced

**TODD CREEK PROPERTY**

**MAP 3**

**SOUTH ZONE DEPOSIT AND SOUTHERN EXTENSION:**

**GEOLOGICAL & GEOCHEMICAL SURVEYS**

**GEOLOGICAL SURVEY BRANCH**

Scale 1:1000

Geoflex Exploration Consultants Ltd. November 2000

76.482

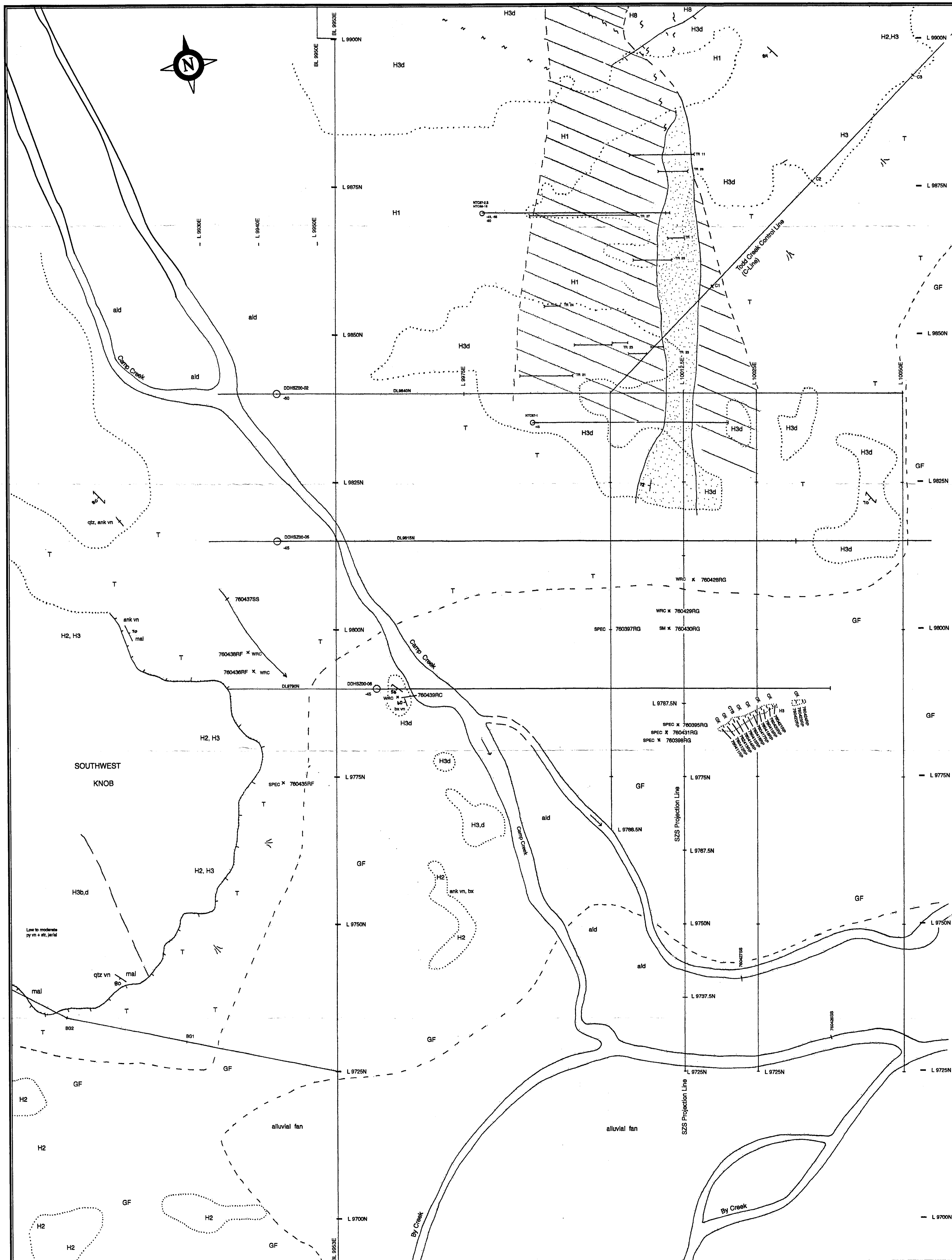


TABLE A2RAR: ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED IN AREA OF SOUTHERN EXTENSION OF SOUTH ZONE DEPOSIT AND SOUTHWEST KNOB REF T0003

MIN. TYPE SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
OX RK 760411RP	<30	934	<2	34	<0.2	<0.5	<2	580	<10
OX RK 760412RP	<30	147	<2	38	<0.2	<0.5	<2	380	<10
OX RK 760413RP	<30	174	<2	44	<0.2	<0.5	<2	290	<10
CTB 760414RP	<30	411	<2	30	<0.2	<0.5	22	310	<10
OX RK 760415RP	<30	229	<2	44	<0.2	<0.5	<2	320	<10
OX RK 760416RP	30	327	4	40	<0.2	<0.5	<2	240	<10
OX CT 760417RP	<30	257	<2	40	<0.2	<0.5	<2	370	<10
OX CTB 760418RP	60	86	<2	44	<0.2	<0.5	<2	300	<10
OX RK 760419RP	240	196	<2	50	<0.2	<0.5	6	330	<10
OX CT 760420RP	<30	398	<2	48	<0.2	<0.5	<2	340	<10
OX CTB 760421RP	<30	648	<2	50	<0.2	<0.5	10	330	<10
OX RK 760422RP	<30	183	<2	28	<0.2	<0.5	2	440	<10
OX RK 760423RP	60	288	<2	28	<0.2	<0.5	2	300	<10
OX RK 760424RP	<30	46	<2	32	<0.2	<0.5	<2	280	<10

TABLE A2RAR: ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED IN AREA OF SOUTHERN EXTENSION OF SOUTH ZONE DEPOSIT AND SOUTHWEST KNOB

MIN. TYPE SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
SPEC 760435RF	1117	13	8	82	<0.2	<0.5	<2	1300	80
WRC 760436RF	240	12400	8	28	5.4	<0.5	28	80	<10
WRC 760437RF	<30	870	4	19	<0.2	<0.5	12	110	<10
WRC 760438RC	450	1180	10	19	<0.2	<0.5	<2	140	<10

TABLE A2RAR: ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED IN AREA OF SOUTHERN EXTENSION OF SOUTH ZONE DEPOSIT AND SOUTHWEST KNOB

SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
760396RG	980	1685	6	28	0.2	<0.5	4	430	40
760397RG	60	289	<2	22	<2	<0.5	6	510	10
760398RG	120	589	12	30	0.8	<0.5	38	160	<10
760428RG	80	1565	84	72	3.2	1.0	30	250	<10
760429RG	720	2883	<2	28	<2	<0.5	<2	640	<10
760430RG	<30	881	28	28	0.8	<0.5	488	10	<10
760431RG	150	2060	98	200	24.4	6.5	188	240	<10

TABLE A2SSR: ANALYTICAL RESULTS FOR STREAM SEDIMENT SAMPLES COLLECTED IN AREA OF POSTULATED SOUTHERN EXTENSION OF SOUTH ZONE DEPOSIT - SOUTHERN AREA OF SOUTH ZONE AND SOUTHWEST KNOB REF T0003

SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
760428SS	<30	29	2	54	<0.2	<0.5	10	130	<10
760429SS	120	55	10	118	<0.2	<0.5	18	170	<10
760431SS	30	52	8	68	<0.2	<0.5	16	170	<10

- ABBREVIATIONS**
- ald aldera
  - AM alpine meadow
  - ank ankite
  - ba barite
  - bl bleached
  - bo bornite
  - bx brecciated
  - cal calcite
  - carb carbonatized
  - ch chloritized
  - chalc chalcopyrite
  - CTC crystal tuft breccia
  - epi epidote
  - GF glacial fluvial
  - GR grass
  - gn galena
  - hem hematized
  - hml hornblende
  - jar jarosite/alunite
  - lim limonite
  - m massive
  - mal malachite
  - mar maroon
  - Mn manganese
  - ox oxidized
  - py pyrite
  - qtz quartz vein
  - ser sericitized
  - sil silicified
  - spec specularite
  - sph sphalerite
  - spr spruce
  - stwk stockwork
  - T talus
  - vn vein
- MINERALIZATION TYPES**
- SM semi-massive sulfides
  - SMB sulfide matrix breccia
  - M blebby chalcopyrite breccia vein
  - SPEC massive to semi-massive specular hematite: spec matrix breccia; spec breccia
  - WRC wallrock chalcopyrite veins, stringers, stockworks often with malachite crystal tuft, crystal tuft breccia
  - CT, CTB blebby to wispy to stringers of galena in vuggy, oxidized euhedral quartz veins
  - GAL galena
  - BAR baritized rock, veins, breccia veins, stringers, stockworks in crystal tuft breccia
  - PV CTB pyritized crystal tuft i.e., Knob Zone mineralization
  - SCHIST chlorite, sericite schist in fault zones
  - OX RK intensely oxidized (limonite group) as in South Zone trench
  - QP/R quartz feldspar porphyry often with hornblende phenocrysts
  - TOUR BREC tourmaline breccia
  - CSB carbonate sulfide breccia as at Yellow Bowl Zone

- LEGEND**
- ROCK TYPES**
- HAZELTON GROUP - LOWER AND MIDDLE JURASSIC
- H1 overburden
  - H2 crystal tuft
  - H3 crystal tuft breccia, agglomerate
  - a quartz +/- pyrite altered, white to pale brown weathering.
  - b sericite +/- quartz-pyrite altered, rusty yellow weathering.
  - c chlorite +/- quartz-epidote-pyrite altered white to pale green weathering.
  - d carbonate +/- quartz-pyrite-epidote altered, pale to dark brown weathering.
  - H4 ash tuft, ash tuft breccia, agglomerate
  - H5 undifferentiated pyroclastic rocks: tuft, breccia, agglomerate
  - H6 felsic volcanic rocks (mycolite)
  - H7 intermediate volcanic rocks (tache)
  - H8 mafic volcanic rocks (basalt, pillowed basalt, andesite)
  - H9 undifferentiated, strongly altered rock
- INTRUSIVE ROCKS**
- R1 felsic dykes
  - R2 hornblende diorite porphyry
  - R3 quartz feldspar porphyry
  - R4 mafic dyke
- ALTERATION ZONES (Noranda 1987)**
- Quartz-hematite-chalcopyrite +/- chlorite +/- calcite vein and/or intense stockwork.
  - Quartz-hematite-chalcopyrite +/- chlorite +/- calcite stringer zone, veins to 20 cm wide.
  - Pyrite-sericite-chalcopyrite vein zone, massive veins to 20 cm wide.
  - Pyrite-sericite-chalcopyrite stringer zone, veins to 5 cm wide, widely spaced.

- SYMBOLS**
- BL10000E historic Noranda Base Line (1987)
  - BL9950E new south zone Base Line (1999/2000)
  - x 760433 rock sample location and number
  - 0 760432 soil sample location and number
  - panel sample
  - outcrop area
  - 760333 stream sediment sample
  - SO soil sample
  - RC rock composite sample
  - RP rock panel sample
  - RF rock float sample
  - RS rock subcrop sample
  - RT rock talus sample
  - RTC rock talus composite sample
  - RG rock glacial boulder
  - RGC rock glacial boulder composite
  - interpreted fault
  - strike/dip of joint, fracture
  - strike/dip of vein, dyke, zone
  - strike/dip of shear
  - cliff, down slope
  - stream and direction
  - boundary, surficial debris
  - geological or mineralogical boundaries
  - mineralization boundaries
  - proposed drill hole
  - historic drill hole (Noranda)
  - slump zone

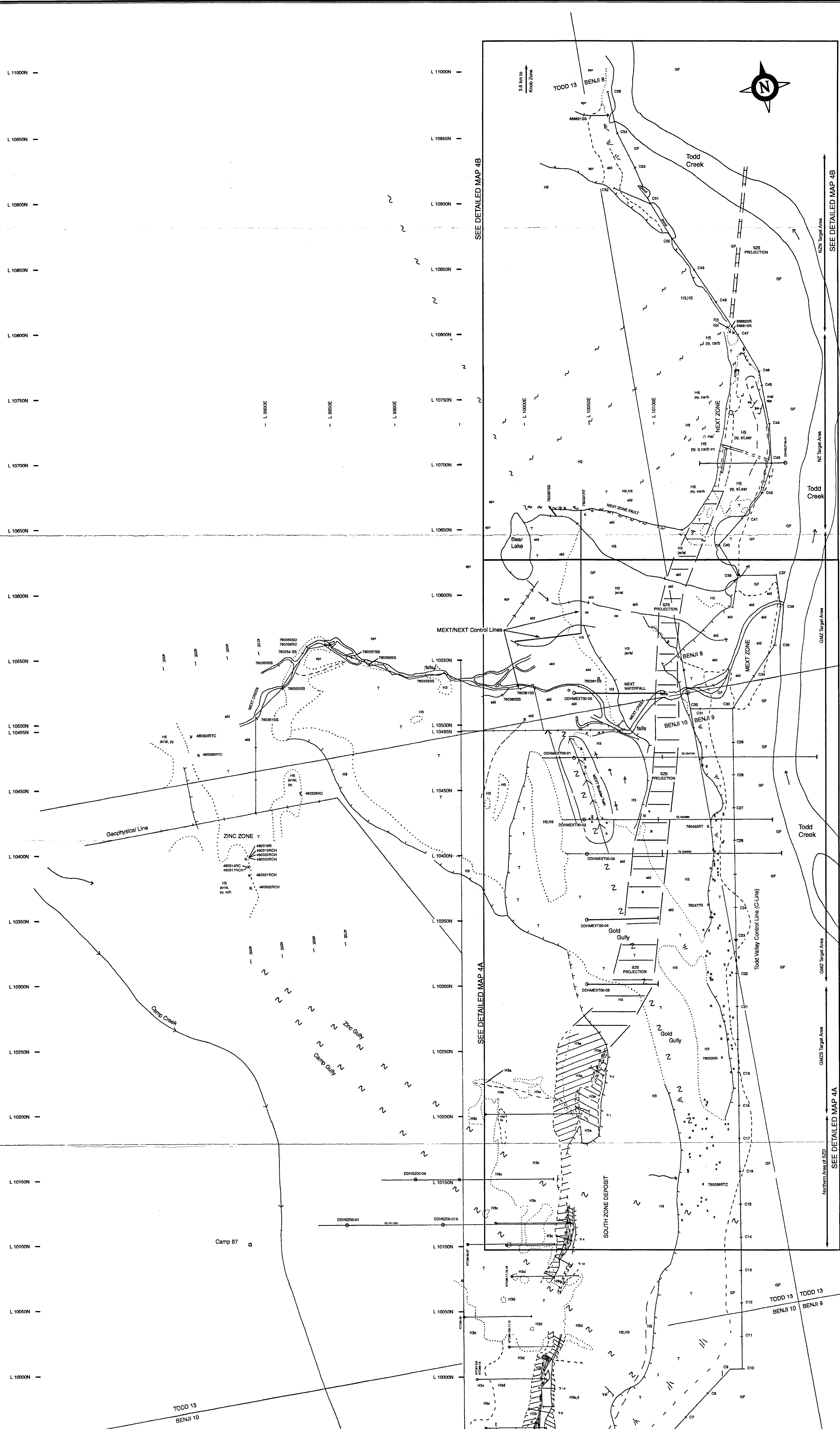
TODD CREEK PROPERTY  
MAP 3A

AREA OF SOUTHERN EXTENSION  
OF SOUTH ZONE DEPOSIT:  
GEOLOGICAL & GEOCHEMICAL SURVEYS

Scale 1:250

Geoline Exploration Consultants Ltd. November 2004

26.4.05



**TABLE 4A/AR - ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED ON CLIFF ABOVE C LINE WEST OF NEXT ZONE TO NEXT ZONE**

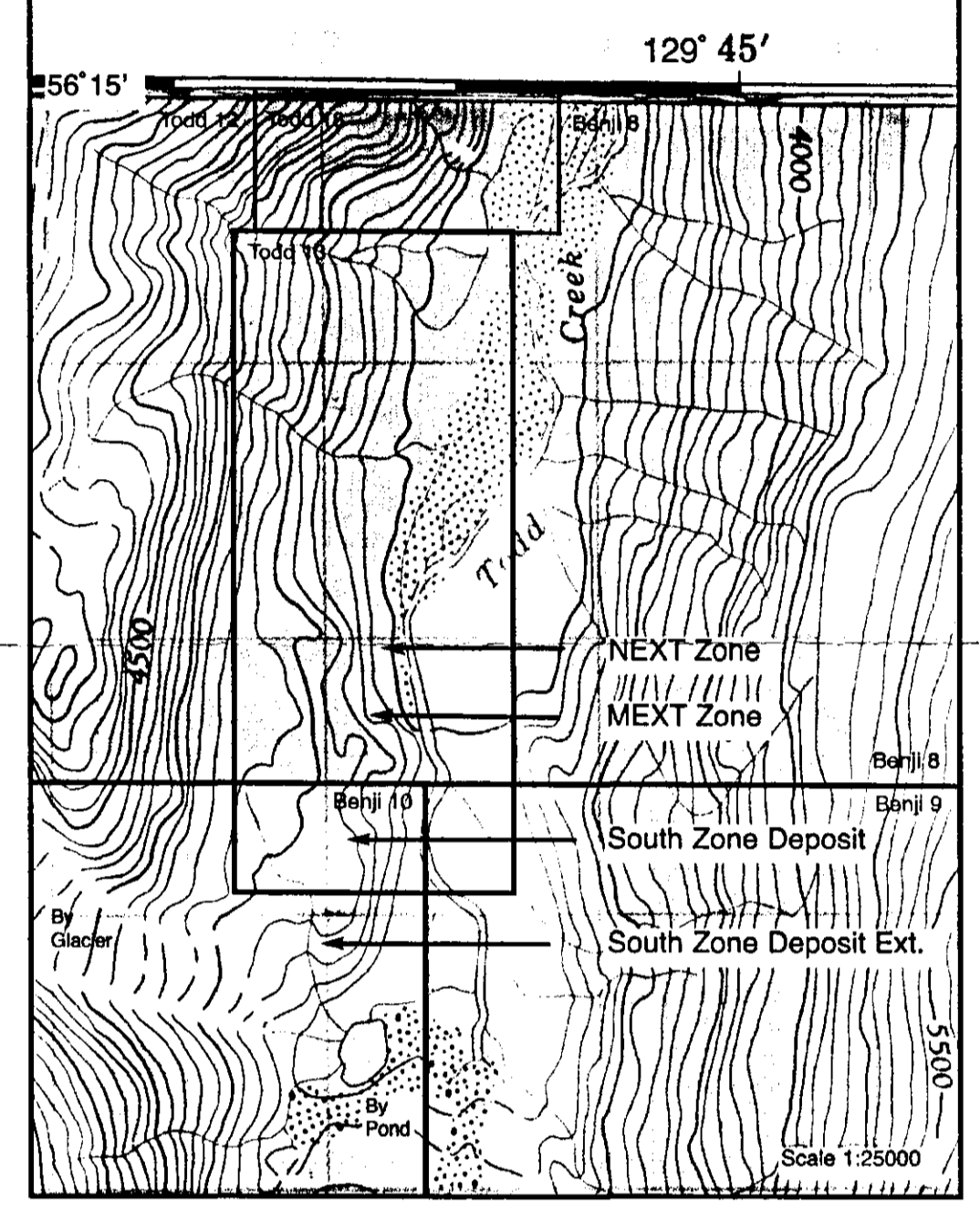
SAMP NO	AU	CU	PB	ZN	AG	CD	AS	BA	W
ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
760358RC	25	20	<5	82	0.2	<0.5	8	30	<10
760358C	25	20	<5	82	0.2	<0.5	8	30	<10
760358RC	25	20	<5	82	0.2	<0.5	8	30	<10
760358C	25	20	<5	82	0.2	<0.5	8	30	<10
760358RC	25	20	<5	82	0.2	<0.5	8	30	<10
760358C	25	20	<5	82	0.2	<0.5	8	30	<10
760358RC	25	20	<5	82	0.2	<0.5	8	30	<10
760358C	25	20	<5	82	0.2	<0.5	8	30	<10
760358RC	25	20	<5	82	0.2	<0.5	8	30	<10
760358C	25	20	<5	82	0.2	<0.5	8	30	<10

**TABLE 4A/ASR - ANALYTICAL RESULTS FOR STREAM SEDIMENT SAMPLES COLLECTED ABOVE CLIFF IN AREA OF NEXT, NEXT ZONES**

SAMP NO	AU	CU	PB	ZN	AG	CD	AS	BA	W
ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
760351SS	19	2	42	<0.2	<0.5	56	460	<10	<10
760352SS	20	28	16	142	<0.2	<0.5	70	270	<10
760353SS	18	18	118	<0.2	<0.5	18	300	<10	<10
760354SS	22	20	134	<0.2	<0.5	18	310	<10	<10
760355SS	18	18	108	<0.2	<0.5	16	520	<10	<10
760356SS	22	28	136	<0.2	<0.5	18	210	<10	<10
760357SS	21	24	82	<0.2	<0.5	12	300	<10	<10
760358SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760359SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760360SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760361SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760362SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760363SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760364SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760365SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760366SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760367SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760368SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760369SS	22	28	132	<0.2	<0.5	14	340	<10	<10
760370SS	22	28	132	<0.2	<0.5	14	340	<10	<10

**TABLE 4A/SO - ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED ABOVE CLIFF IN AREA OF NEXT, NEXT ZONES**

SAMP NO	AU	CU	PB	ZN	AG	CD	AS	BA	W
ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
760355SO	30	28	20	108	<0.2	<0.5	20	110	<10
760356SO	27	18	8	90	<0.2	<0.5	10	1010	<10
760357SO	10	13	60	24	0.2	<0.5	38	310	<10
760358SO	4	27	8	54	<0.2	<0.5	10	220	<10
760359SO	5	27	8	60	<0.2	<0.5	10	270	<10
760360SO	125	1085	36	10	0.2	<0.5	544	120	<10
760361SO	55	228	8	38	<0.2	<0.5	70	280	<10
760362SO	335	991	78	8	2.0	<0.5	684	130	<10



**ABBREVIATIONS**

akt	aldera	epi	epidote	ox	oxidized
AM	alpine meadow	GF	glacial flour	py	pyrite
ark	arkiferous	gr	grass	qtz vn	quartz vein
bs	barite	gs	galena	ser	sericite
bl	bleached	hm	hematized	sil	silicified
br	brecciated	hsl	hornblende	spec	spineliferous
bx	brecciated	jar	jarosite/jarite	sph	sphaerite
cal	calcite	im	iron	sp	spinel
carb	carbonated	m	massive	stwk	stockwork
ch	chloritized	mal	malachite	T	talus
cpy	chloropyrite	mar	maroon	vn	vein
CTC	crystal tuft breccia	Mn	manganese		

**MINERALIZATION TYPES**

SMB	semi-massive sulfides
SMB	stippled matrix breccia
SPF	massive to semi-massive specular hematite; spec matrix breccia
WRC	spec breccia
CT, CTB	crystal tuft, crystal tuft breccia
GAL	blobby to wispy to stringers of galena in vuggy, oxidized euhedral quartz veins
BAR	baritized rock, veins, breccia veins, stringers, stockworks in crystal tuft breccia
PY	pyritized crystal tuft i.e. Knob Zone mineralization
SCHIST	chlorite, sericite schist in fault zones
OX RK	intensely oxidized (ironite grunge) as in South Zone trench
OX RK	quartz, feldspar porphyry often with hornblende chloropyrite
TOUR BREC	tourmaline breccia
CSB	carbonate sulfite breccia as at Yellow Bowl Zone

**LEGEND**

**ROCK TYPES**

HAZELTON GROUP - LOWER AND MIDDLE JURASSIC

- H1 overburden
- H2 crystal tuft
- H3 crystal tuft breccia, agglomerate
- a quartz +/- pyrite altered, white to pale brown weathering.
- b sericite +/- quartz-pyrite altered, rusty yellow weathering.
- c chlorite +/- quartz-epidote-pyrite altered white to pale green weathering.
- d carbonate +/- quartz-pyrite-epidote altered, pale to dark brown weathering
- H4 ash tuft, ash tuft breccia, agglomerate
- H5 undifferentiated pyroclastic rocks: tuft, breccia, agglomerate
- H6 felsic volcanic rocks (rhyolite)
- H7 intermediate volcanic rocks (diacite)
- H8 mafic volcanic rocks (basalt, pillowed basalt, andesite)
- H9 undifferentiated, strongly altered rock

**INTRUSIVE ROCKS**

- R1 felsic dykes
- R2 hornblende diorite porphyry
- R3 quartz feldspar porphyry
- R4 mafic dyke

**ALTERATION ZONES** (Noranda 1987)

- Quartz-hematite-chalcopyrite +/- chlorite +/- calcite vein and/or intense stockwork.
- Quartz-hematite-chalcopyrite +/- chlorite +/- calcite stringer zone, veins to 20 cm wide.
- Pyrite-sericite-chalcopyrite vein zone, massive veins to 20 cm wide.
- Pyrite-sericite-chalcopyrite stringer zone, veins to 5 cm wide, widely spaced.

**SYMBOLS**

- BL10000E historic Noranda Base Line (1987)
- BL9950E new south zone Base Line (1999/2000)
- x 760433 rock sample location and number
- o 760432 soil sample location and number
- panel sample
- outcrop area
- 760333 SS stream sediment sample
- SO soil sample
- RC rock composite sample
- RP rock panel sample
- RF rock float sample
- RS rock subcrop sample
- RT rock talus sample
- RTC rock talus composite sample
- RG rock glacial boulder
- RGC rock glacial boulder composite
- ~ interpreted fault
- 75 strike/dip of joint, fracture
- 79 strike/dip of vein, dyke, zone
- 79 strike/dip of shear
- cliff, down slope
- stream and direction
- T boundary, surficial debris
- ZS geological or mineralogical boundaries
- ZS mineralization boundaries
- proposed drill hole
- historic drill hole (Noranda)
- NTC slump zone

TODD CREEK PROPERTY  
MAP 4

SOUTH ZONE DEPOSIT AND NORTHERN EXTENSIONS:  
GEOLOGICAL & GEOCHEMICAL SURVEYS

Scale 1:10000

Geofine Exploration Consultants Ltd. November 2000

26,485





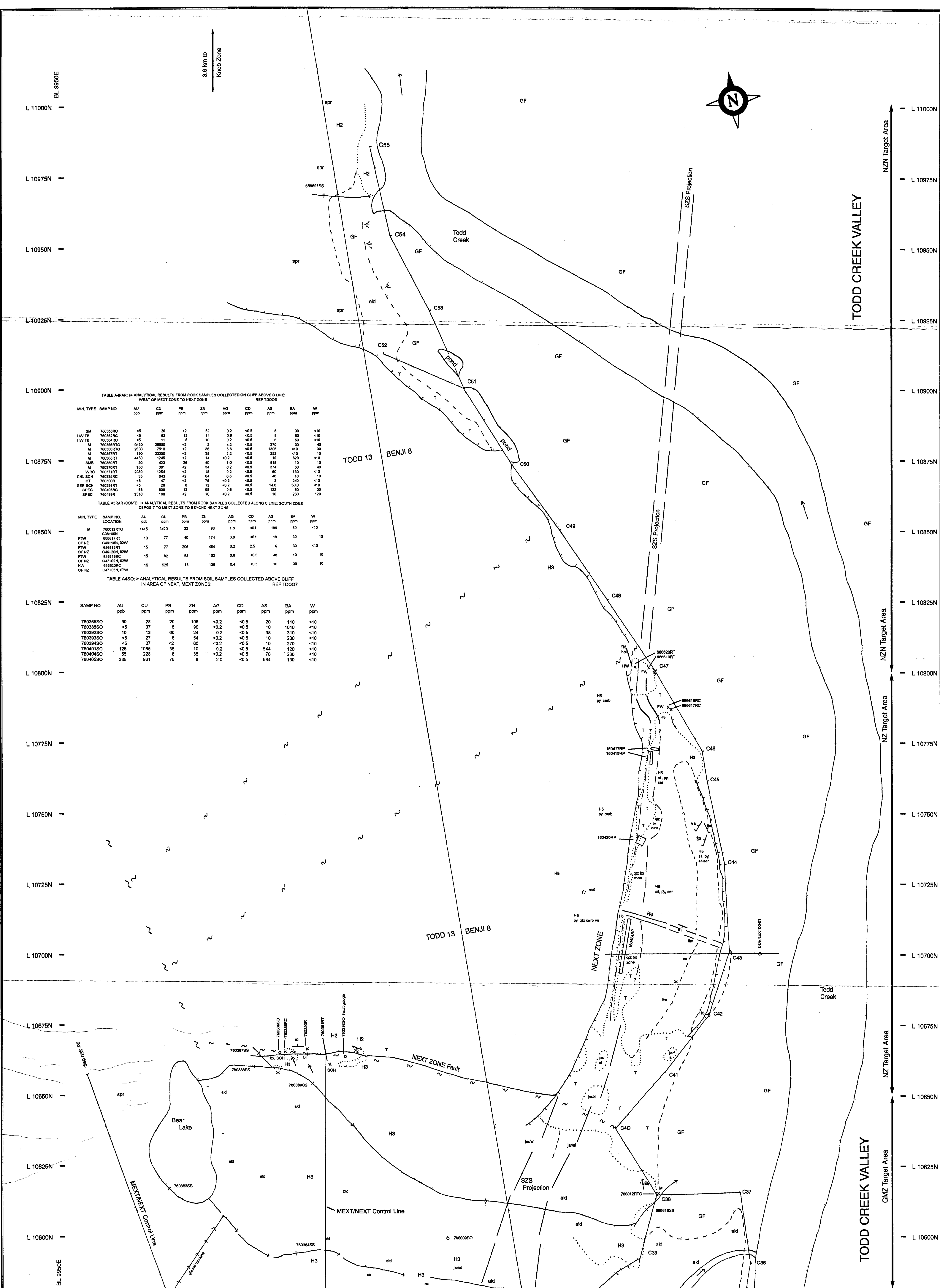
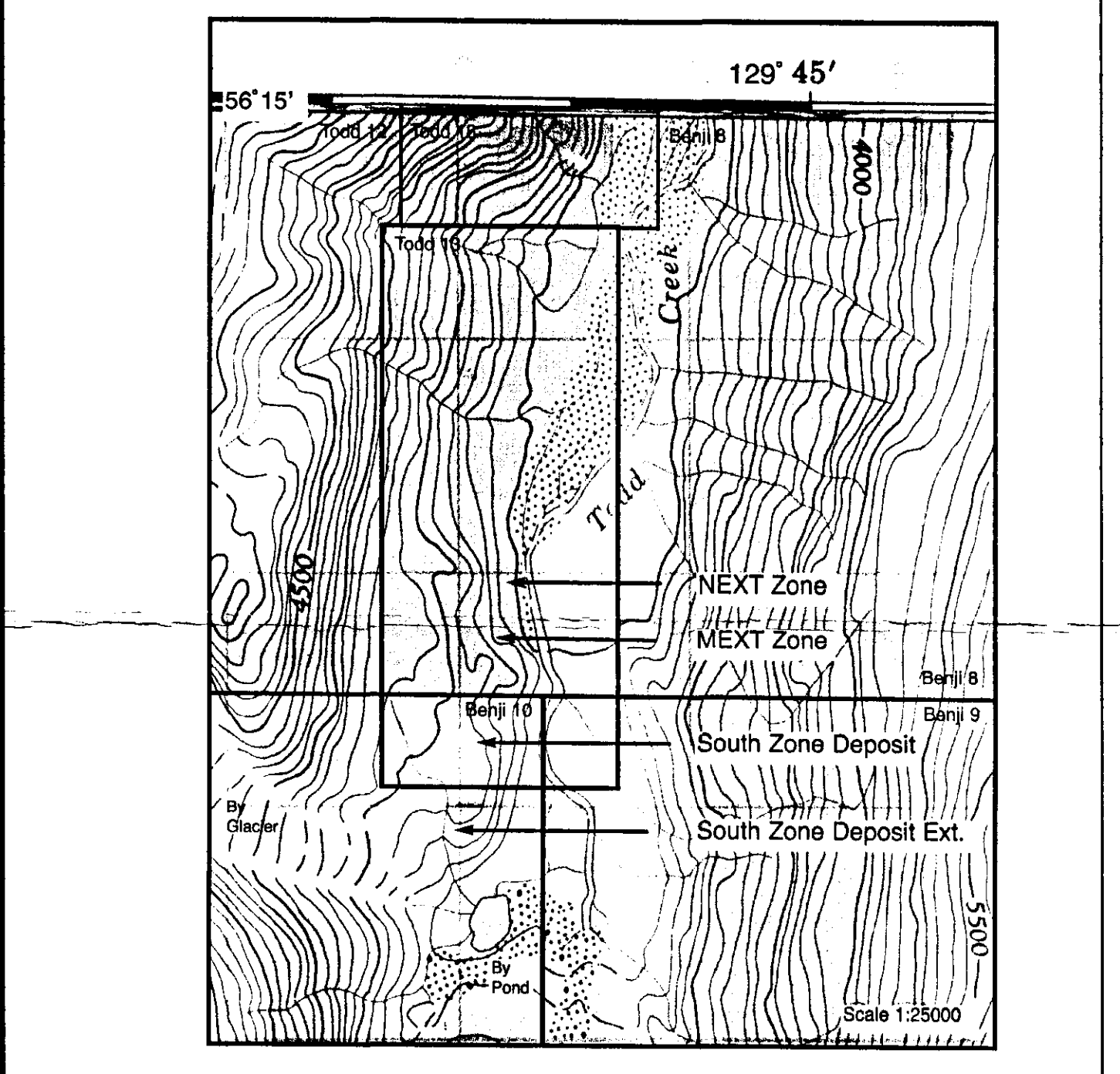


TABLE A4ASR - ANALYTICAL RESULTS FOR STREAM SEDIMENT SAMPLES COLLECTED ABOVE CLIFF IN AREA OF MEXT, NEXT ZONES: REF TDOO7

SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
7603185S	<5	19	2	42	<0.2	<0.5	56	480	<10
7603228S	20	29	16	142	<0.2	<0.5	70	270	<10
7603335S	<5	22	16	116	<0.2	<0.5	18	300	<10
7603445S	<10	22	20	134	<0.2	<0.5	18	310	<10
7603758S	<5	18	16	106	<0.2	<0.5	16	520	<10
7603565S	<5	22	26	136	<0.2	<0.5	18	210	<10
7603665S	<5	21	24	92	<0.2	<0.5	12	320	<10
7603665S	<5	22	36	82	<0.2	<0.5	14	360	<10
7603615S	<10	42	16	108	<0.2	<0.5	12	300	<10
7603935S	<5	46	6	82	<0.2	<0.5	16	330	<10
7603725S	10	36	6	58	<0.2	<0.5	12	350	<10
7603615S	<5	46	6	82	<0.2	<0.5	16	330	<10
7603815S	5	23	6	58	<0.2	<0.5	6	1760	<10
7603825S	<5	<1	<2	8	<0.2	<0.5	4	1230	<10
7603835S	10	28	6	70	<0.2	<0.5	12	360	<10
7603845S	5	32	14	104	<0.2	<0.5	6	170	<10
7603875S	25	18	46	82	<0.2	<0.5	116	840	<10
7603885S	<5	12	<2	84	0.8	<0.5	36	3580	<10
7603895S	<5	35	<2	148	1.2	<0.5	60	3900	<10



ABBREVIATIONS

ald	alters	epi	epitote	ox	oxidized
AM	alpine meadow	GF	glacial fluvial	py	pyrite
ank	ankerite	gr	gravel	qtz vn	quartz vein
ba	barite	gn	galena	ser	sericized
bl	bleached	hem	hematized	sil	silicified
bo	borite	hol	hornblende	spec	specularite
bx	brecciated	jar/jal	jarosite/jarinite	sph	sphalerite
cal	calcite	lim	limonite	spc	spiculus
carb	carbonized	m	massive	stwk	stockwork
ch	chloritized	mal	malachite	t	talus
spec	specularite	mar	maroon	vn	vein
CTC	crystal tuff breccia	Mn	manganese		

MINERALIZATION TYPES

- SM semi-massive sulfides
- SHB sulfide matrix breccia
- M blebby chalcocyanite breccia vein
- SPEC massive to semi-massive specular hematite: spec matrix breccia; spec breccia
- WRC wallrock chalcocyanite veins, stringers, stockworks often with malachite
- CTB crystal tuff, crystal tuff breccia
- GAL blebby to wispy to stringers of galena in vuggy, oxidized euhedral quartz veins
- BAR baritized rock veins, breccia veins, stringers, stockworks in crystal tuff breccia
- PV CTB pyritized crystal tuff i.e., Knob Zone mineralization
- SCHIST chlorite, sericite schist in fault zones
- OX PK intensely oxidized (limonite grunge) as in South Zone trench
- GF quartz feldspar porphyry often with hornblende plagioclase
- TOUR BREC tourmaline breccia
- CSB carbonate sulfide breccia as at Yellow Bowl Zone

LEGEND

ROCK TYPES

HAZELTON GROUP - LOWER AND MIDDLE JURASSIC

- H1 overburden
- H2 crystal tuff
- H3 crystal tuff breccia, agglomerate
- a quartz +/- pyrite altered, white to pale brown weathering
- b sericite +/- quartz-pyrite altered, rusty yellow weathering
- c chlorite +/- quartz-epitote-pyrite altered white to pale green weathering
- d carbonate +/- quartz-pyrite-epitote altered, pale to dark brown weathering
- H4 ash tuff, ash tuff breccia, agglomerate
- H5 undifferentiated pyroclastic rocks: tuff, breccia, agglomerate
- H6 felsic volcanic rocks (rhyolite)
- H7 intermediate volcanic rocks (dacite)
- H8 mafic volcanic rocks (basalt, pillowed basalt, andesite)
- undifferentiated, strongly altered rock

INTRUSIVE ROCKS

- R1 felsic dykes
- R2 hornblende diorite porphyry
- R3 quartz feldspar porphyry
- R4 mafic dyke

ALTERATION ZONES ( Noranda 1987)

- Quartz-hematite-chalcocyanite +/- chlorite +/- calcite vein and/or intense stockwork.
- Quartz-hematite-chalcocyanite +/- chlorite +/- calcite stringer zone, veins to 20 cm wide.
- Pyrite-sericite-chalcocyanite vein zone, massive veins to 20 cm wide.
- Pyrite-sericite-chalcocyanite stringer zone, veins to 5 cm wide, widely spaced.

SYMBOLS

- BL10000E historic Noranda Base Line (1987)
- BL9950E new south zone Base Line (1999/2000)
- x 760433 rock sample location and number
- o 760432 soil sample location and number
- 760431 panel sample
- outcrop area
- 760333 SS stream sediment sample
- SO soil sample
- RC rock composite sample
- RP rock panel sample
- RF rock float sample
- RS rock subcrop sample
- RT rock talus sample
- RTC rock talus composite sample
- RG rock glacial boulder
- RGC rock glacial boulder composite
- ~ ~ interpreted fault
- 75 strike/dip of joint, fracture
- 75 strike/dip of vein, dyke, zone
- strike/dip of shear
- cliff, down slope
- stream and direction
- GF boundary, surficial debris
- geological or mineralogical boundaries
- mineralization boundaries
- proposed drill hole
- historic drill hole (Noranda)
- NTC stump zone

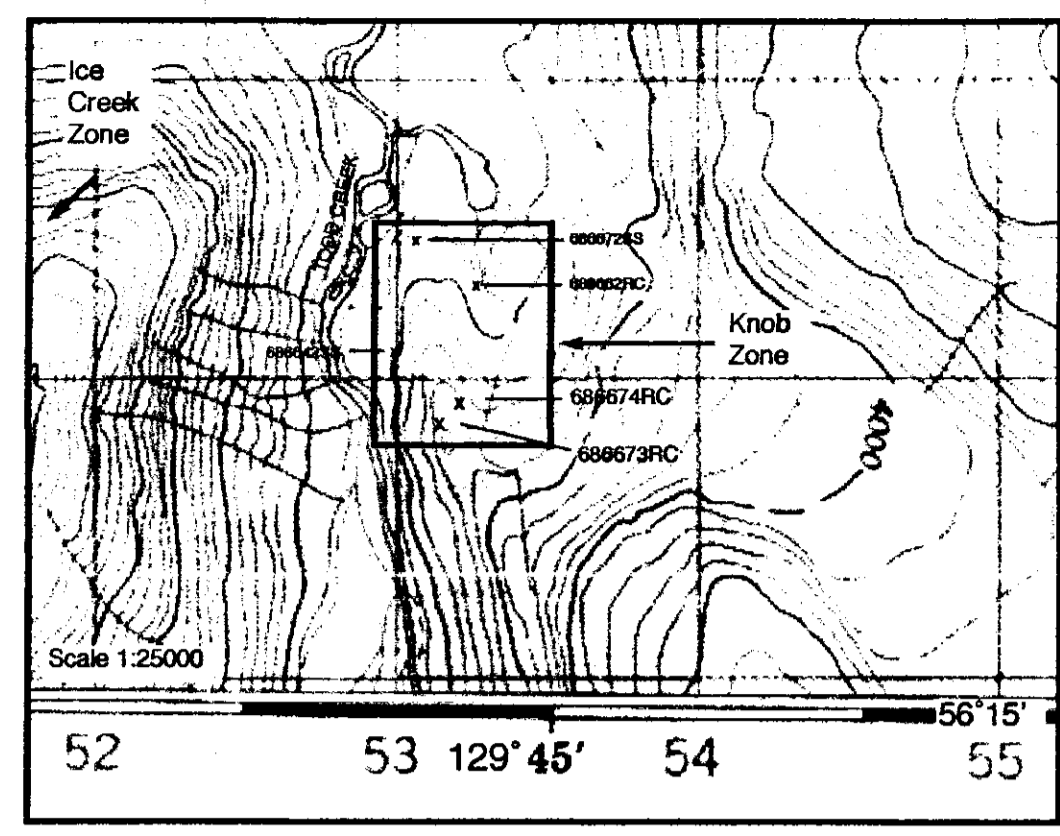
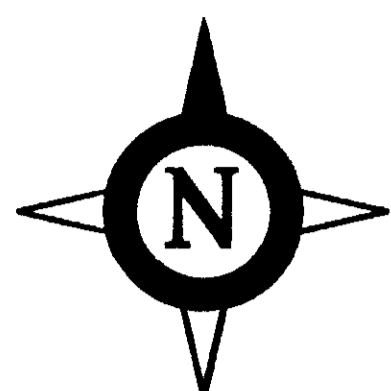
TODD CREEK PROPERTY  
(MAP 4B)

NORTHERN EXTENSIONS OF SOUTH ZONE:  
MEXT AND NEXT ZONES  
GEOLOGICAL & GEOCHEMICAL SURVEYS  
GEOLOGICAL SURVEY BRANCH  
MINERAL INDUSTRIES DIVISION

Scale 1:500

Geofine Exploration Consultants Ltd. November 2000

26,405



**SYMBOLS**

- x 686645 rock sample location and number
- o 686600 soil sample location and number
- or ▭ compositel sample area
- outcrop area
- 686644 SS stream sediment sample
- SO soil sample
- RC rock composite sample
- RP rock panel sample
- RF rock float sample
- RS rock subcrop sample
- RT rock talus sample
- RTC rock talus composite sample
- RG rock glacial boulder
- RGC rock glacial boulder composite
- ~ ~ interpreted fault
- 75 strike/dip of joint, fracture
- 75 strike/dip of vein, dyke, zone
- ↔ strike/dip of shear
- ↘ cliff, down slope
- stream flow direction and sample location
- T boundary, surficial debris
- H2 geological or mineralogical boundaries
- zone of mineralization

**LEGEND**

- ROCK TYPES**  
HAZELTON GROUP - LOWER AND MIDDLE JURASSIC
- H1 overburden
  - H2 crystal tuff
  - H3 crystal tuff breccia, agglomerate
  - H4 ash tuff, ash tuff breccia, agglomerate
  - H5 undifferentiated pyroclastic rocks: tuff, breccia, agglomerate
  - H6 felsic volcanic rocks (rhyolite)
  - H7 intermediate volcanic rocks (dacite)
  - H8 mafic volcanic rocks (basalt, pillowed basalt, andesite)
  - H9 undifferentiated, strongly altered rock

**INTRUSIVE ROCKS**

- R1 felsic dykes
- R2 hornblende diorite porphyry
- R3 quartz feldspar porphyry
- R4 mafic dyke

**ABBREVIATIONS**

- |      |                      |         |                   |
|------|----------------------|---------|-------------------|
| ald  | alders               | hbl     | hornblende        |
| AM   | alpine meadow        | jar/fal | jarosite/falunite |
| ank  | ankerite             | lim     | limonite          |
| ba   | barite               | m       | massive           |
| bl   | bleached             | mal     | malachite         |
| bo   | bornite              | mar     | maroon            |
| bx   | brecciated           | Mn      | manganese         |
| cal  | calcite              | ox      | oxidized          |
| carb | carbonatized         | py      | pyrite            |
| ch   | chloritized          | qtz vn  | quartz vein       |
| co   | coarse               | ser     | sericitized       |
| cpy  | chalcocopyrite       | sil     | silicified        |
| CTC  | crystal tuff breccia | spec    | specularite       |
| epi  | epidote              | sph     | sphalerite        |
| GF   | glacial fluvial      | spr     | spruce            |
| gr   | grass                | stkw    | stockwork         |
| gn   | galena               | T       | talus             |
| hem  | hematized            | tour    | tourmaline        |
|      |                      | vn      | vein              |

**TODD CREEK PROPERTY**

MAP 5

**KNOB ZONE GEOLOGICAL AND GEOCHEMICAL SURVEYS**

Scale 1:1000

Geoscience Consultants Ltd.

November 2000

26,495

metres

300 -

250 -

200 -

150 -

100 -

50 -

0 -

-50 -

-100 -

-150 -

-200 -

-250 -

Todd Creek +150m

braided stream (from side glacier)

TABLE 68644 SS - ANALYTICAL RESULTS FOR STREAM SEDIMENT SAMPLES COLLECTED AT KNOB ZONE:

SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
686642SS	<5	39	38	164	0.2	<0.5	36	450	<10
686643SS	<5	28	20	150	0.2	<0.5	20	350	<10
686644SS	20	401	60	1775	<0.2	17.0	30	300	<10
686645SS	<5	31	32	160	0.6	0.5	26	340	<10
686646SS	10	24	24	120	0.2	<0.5	28	190	<10
686647SS	<5	35	38	176	0.4	1.0	28	480	<10
686648SS	<5	30	32	160	0.4	0.5	20	410	<10
686649SS	<5	23	24	150	0.2	<0.5	16	310	<10
686650SS	15	60	42	250	0.6	1.5	72	550	<10
686651SS	5	34	28	114	0.4	0.5	28	480	<10
686652SS	5	33	38	148	0.6	1.5	24	550	<10
AVERAGE VALUES	5	68	39	308	0.8	2.1	30	401	0

TABLE 68644 RR - ANALYTICAL RESULTS FOR ROCK SAMPLES COLLECTED AT KNOB ZONE:

MIN. TYPE	SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
SULF TUFF	686643RC	40	16	8	64	<0.2	0.5	68	30	<10
BREC	686644RC	20	13	8	20	<0.2	<0.5	188	60	<10
MASS PY	686647RC	670	22	100	32	2.0	<0.5	1860	10	<10
VN	686651RC	270	128	16	10	0.8	<0.5	1020	10	<10
MASS PY	686653RC	80	55	12	8	0.2	<0.5	318	20	<10
VN	686654RC	900	2	24	28	14.4	<0.5	68	70	<10
YOUR	686656RC	45	28	64	22	1.8	<0.5	136	30	<10
BREC	686657RC	20	8	8	12	<0.2	<0.5	230	70	<10
BREC	686660RC	425	328	10	8	0.8	0.5	1110	10	<10
BREC	686661RC	20	11	28	62	<0.2	0.5	172	50	<10
BREC	686662RC	10	10	28	50	<0.2	0.5	78	80	<10
BREC	686663RC	105	7	<2	8	1.8	<0.5	208	50	<10
BREC	686664RC	20	5	<2	168	1.2	0.5	148	50	<10
BREC	686665RC	20	2	<2	4	1.2	<0.5	122	70	<10
BREC	686666RC	38	3	<2	8	1.0	<0.5	124	30	<10
BREC	686667RC	15	5	<2	8	1.0	<0.5	62	70	<10
BREC	686668RC	25	3	<2	8	1.2	<0.5	88	50	<10
BREC	686669RC	25	4	<2	2	1.0	<0.5	74	40	<10
BREC	686670RC	45	3	<2	2	0.8	<0.5	56	50	<10
QPF	686671RC	<5	1	2	20	<0.2	<0.5	8	120	<10
BREC	686672RC	15	14	<2	28	0.8	<0.5	78	50	<10
BREC	686673RC	80	52	<2	24	1.8	<0.5	1235	<10	<10
AVERAGE VALUES		146	33	14	28	1.4	0.1	338	46	0
		3205.00	716.00	306.00	586.00	31.40	2.50	7445.00	1020.00	0.00

metres

0

50

100

150

200

250

300

350

400

TABLE A7RAR: ANALYTICAL RESULTS FOR ROCK SAMPLES COLLECTED AT YELLOW BOWL ZONE: TDOO4

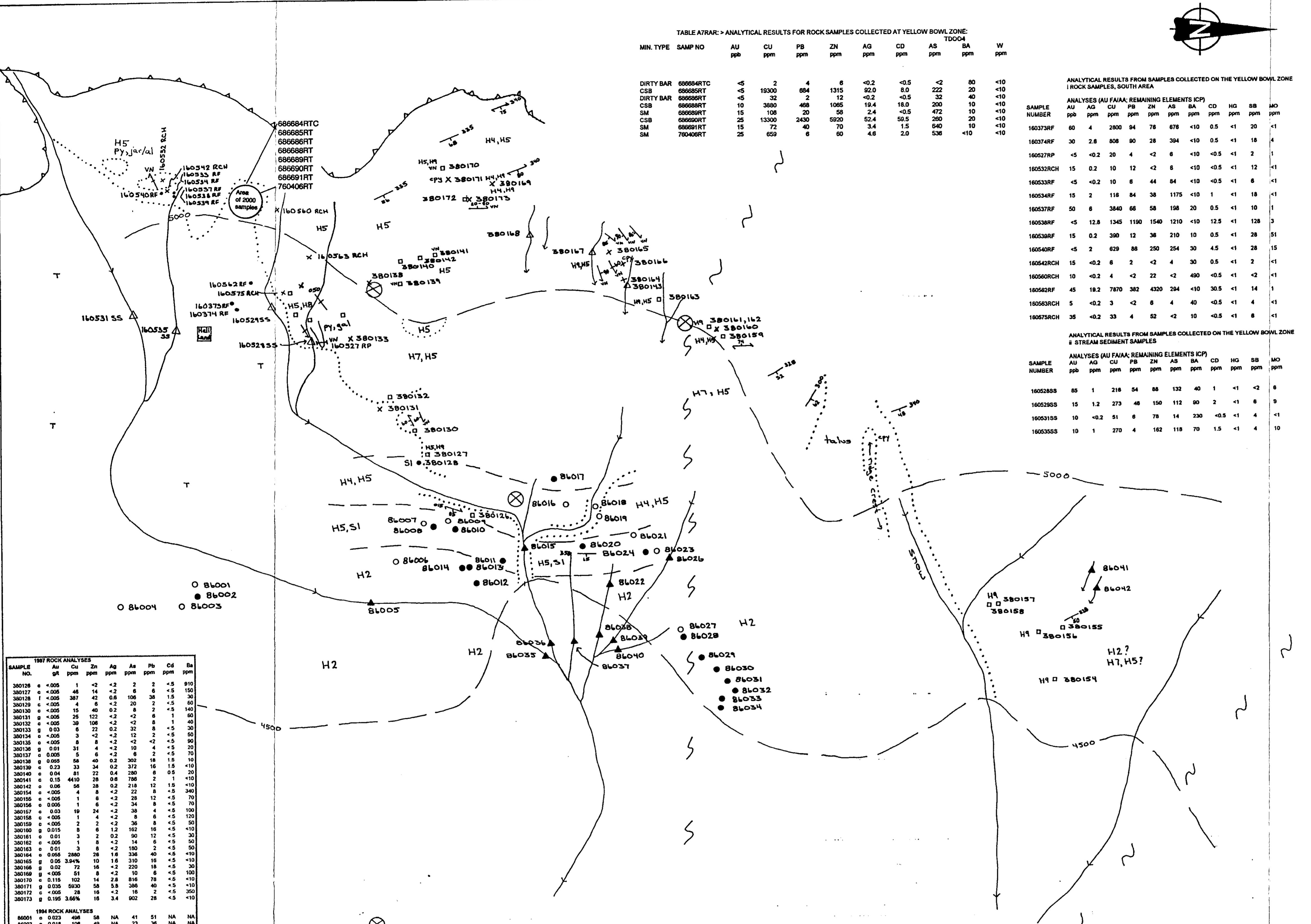
MIN. TYPE	SAMP NO	AU	CU	PB	ZN	AG	CD	AS	BA	W
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
DIRTY BAR	68684RTC	<5	2	4	6	<0.2	<0.5	<2	80	<10
CSB	68685RT	<5	19300	684	1315	62.0	222	8.0	22	<10
DIRTY BAR	68686RT	<5	32	2	12	<0.2	<0.5	32	40	<10
CSB	68688RT	10	3880	468	1065	19.4	19.0	200	10	<10
SM	68689RT	15	108	20	58	2.4	<0.5	472	10	<10
CSB	68690RT	25	13300	2430	5920	52.4	59.5	280	20	<10
SM	68691RT	15	72	40	70	3.4	1.5	640	10	<10
SM	76040RT	25	659	6	60	4.6	2.0	536	<10	<10

ANALYTICAL RESULTS FROM SAMPLES COLLECTED ON THE YELLOW BOWL ZONE I ROCK SAMPLES, SOUTH AREA

SAMPLE NUMBER	AU	AG	CU	PB	ZN	AS	BA	CD	HG	SB	MO
	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
160373RF	60	4	2800	84	76	678	<10	0.5	<1	20	<1
160374RF	30	2.8	808	80	28	394	<10	0.5	<1	18	4
160527RP	<5	<0.2	20	4	<2	6	<10	<0.5	<1	2	1
160532RCH	15	0.2	10	12	<2	8	<10	<0.5	<1	12	<1
160533RF	<5	<0.2	10	6	44	84	<10	<0.5	<1	6	<1
160534RF	15	2	118	84	38	1175	<10	1	<1	18	<1
160537RF	50	6	3840	66	58	198	20	0.5	<1	10	1
160538RF	<5	12.8	1345	1190	1540	1210	<10	12.5	<1	128	3
160539RF	15	0.2	390	12	38	210	10	0.5	<1	28	51
160540RF	<5	2	629	88	250	254	30	4.5	<1	28	15
160542RCH	15	<0.2	6	2	<2	4	30	0.5	<1	2	<1
160560RCH	10	<0.2	4	<2	22	<2	490	<0.5	<1	<2	<1
160582RF	45	18.2	7870	382	4320	284	<10	30.5	<1	14	1
160583RCH	5	<0.2	3	<2	6	4	40	<0.5	<1	4	<1
160575RCH	35	<0.2	33	4	52	<2	10	<0.5	<1	8	<1

ANALYTICAL RESULTS FROM SAMPLES COLLECTED ON THE YELLOW BOWL ZONE II STREAM SEDIMENT SAMPLES

SAMPLE NUMBER	AU	AG	CU	PB	ZN	AS	BA	CD	HG	SB	MO
	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
160528S	65	1	218	54	88	132	40	1	<1	<2	8
160528SS	15	1.2	273	46	150	112	80	2	<1	6	9
160531S	10	<0.2	51	6	78	14	230	<0.5	<1	4	<1
160535SS	10	1	270	4	162	118	70	1.5	<1	4	10



1997 ROCK ANALYSES

SAMPLE NO.	Au	Ag	Cu	Zn	Pb	Cd	Ba
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
380128	<0.005	1	<2	2	2	<5	910
380127	<0.005	46	14	<2	6	<5	150
380129	<0.005	387	42	0.8	106	36	15
380130	<0.005	4	6	<2	20	2	<5
380131	<0.005	15	40	0.2	8	2	<5
380132	<0.005	29	122	<2	4	1	60
380133	0.003	39	108	<2	8	1	40
380134	<0.005	26	122	<2	8	1	50
380135	<0.005	8	8	<2	<2	<2	<5
380136	0.011	31	4	<2	10	4	<5
380137	0.005	5	6	<2	6	2	<5
380138	0.095	56	40	0.2	302	18	15
380139	0.23	33	34	0.2	372	16	15
380140	0.04	81	22	0.4	280	6	0.5
380141	0.15	4410	28	0.8	786	2	1
380142	0.06	56	28	0.2	218	12	15
380154	<0.005	4	8	<2	22	8	<5
380155	<0.005	1	6	<2	28	12	<5
380156	0.005	1	6	<2	34	8	<5
380157	0.03	19	24	<2	38	4	<5
380158	<0.005	1	4	<2	8	6	<5
380159	<0.005	2	2	<2	36	8	<5
380160	0.015	5	6	1.2	162	16	<5
380161	0.01	3	0.2	90	12	<5	30
380162	<0.005	1	8	<2	14	6	<5
380163	0.01	3	6	<2	180	2	<5
380164	0.055	2880	28	1.8	338	40	<5
380165	0.05	364%	10	1.8	310	18	<5
380166	0.02	72	16	<2	220	18	<5
380169	<0.005	51	8	<2	10	6	<5
380170	0.115	102	14	2.8	818	78	<5
380171	0.025	5020	58	5.8	386	40	<5
380172	<0.005	28	16	<2	18	2	<5
380173	0.195	3.66%	18	3.4	902	28	<5

1994 ROCK ANALYSES

SAMPLE NO.	Au	Ag	Cu	Zn	Pb	Cd	Ba
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
86001	0.023	498	58	NA	41	51	NA
86002	0.018	108	49	NA	23	36	NA
86003	0.003	24	9	NA	24	13	NA
86004	0.001	27	7	NA	10	8	NA
86006	0.014	36	37	NA	31	13	NA
86007	0.006	20	21	NA	6	23	NA
86008	0.015	168	38	NA	14	11	NA
86009	0.186	8900	163	NA	99	745	NA
86010	0.063	754	79	NA	34	23	NA
86011	0.02	448	18	NA	102	22	NA
86012	1.818	6600	996	NA	45	275	NA
86013	0.028	201	124	NA	15	28	NA
86014	0.068	472	117	NA	28	28	NA
86016	0.02	188	14	NA	32	17	NA
86017	0.037	268	48	NA	35	45	NA
86018	0.114	32	6	NA	27	19	NA
86019	0.008	12	6	NA	11	14	NA
86020	0.091	71	29	NA	96	23	NA
86021	0.012	1510	2	NA	1150	41	NA
86022	0.209	2410	19	NA	500	22	NA
86024	0.129	644	26	NA	375	29	NA
86027	0.016	24	6	NA	5	11	NA
86028	0.011	120	20	NA	97	27	NA
86029	0.003	18	4	NA	2	9	NA
86030	0.049	181	11	NA	228	21	NA
86031	0.004	9	12	NA	8	8	NA
86032	0.006	6	17	NA	12	20	NA
86033	0.005	11	2	NA	10	8	NA
86034	0.005	10	3	NA	7	3	NA

o - in situ rock composite  
\* - float  
□ - rock grab in situ  
NA - not available  
s - stream sediment

1997 STREAM SAMPLE ANALYSES

SAMPLE NO.	Au	Ag	Cu	Zn	Pb	Cd	Ba
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
380143	<0.005	308	86	0.6	170	38	1
380167	<0.005	82	110	0.2	122	30	0.5
380168	<0.005	39	100	0.4	160	30	1

1994 STREAM SAMPLE ANALYSES

SAMPLE NO.	Au	Ag	Cu	Zn	Pb	Cd	Ba
	ppm	ppm	ppm	ppm	ppm	ppm	ppm
86005	0.011	133	94	NA	NV	45	NA
86015	0.065	122	80	NA	NV	39	NA
86022	0.046	343	75	NA	NV	39	NA
86026	0.038	311	37	NA	NV	31	NA
86035	0.002	77	56	NA	NV	33	NA
86036	0.007	71	89	NA	NV	45	NA
86037	0.068	104	76	NA	NV	30	NA
86038	0.037	217	76	NA	NV	39	NA
86039	0.025	139	72	NA	NV	33	NA
86040	0.029	140	29	NA	NV	15	NA
86041	0.043	83	68	NA	NV	26	NA
86042	0.057	108	79	NA	NV	23	NA

NA - not available  
NV - not valid analysis

**SYMBOLS**

- x 160560 rock sample in situ 1999
- 160540 float sample 1999
- △ 160535 stream sediment sample 1999
- △ SS stream sediment sample
- SO soil sample
- x RC rock composite sample
- x RCH rock chip sample
- RP rock panel sample
- RF rock float sample
- RS rock subcrop sample
- RT rock talus sample
- RTC rock talus composite sample

**LEGEND**

**ROCK TYPES**

- Q thick drift, colluvium, alluvium, till

**MIDDLE (?) AND UPPER JURASSIC - BOWSER LAKE GROUP**

- B1 silty mudstone lithofacies: bioturbated silty mudstone with regularly interbedded, Fe-carbonate cemented fine grained sandstone
- B2 arkosic volcanic litharenite turbidite lithofacies: thin and medium bedded, fine to medium grained, poorly sorted arkosic litharenite with interbedded silty mudstone
- B3 pyritic silty mudstone lithofacies: pyritic, siliceous, tuffaceous silty mudstone, fine to medium grained lithic arkose
- B4 undifferentiated Bowser Lake Sediments

**HAZELTON GROUP - SALMON RIVER FORMATION**

- S1 undifferentiated sediments (shale, mudstone, dust, limestone, conglomerate, tuffaceous sediments)
- S2 undifferentiated volcanics (basalt, pillowed basalt, volcanic breccia)

**HAZELTON GROUP - LOWER AND MIDDLE JURASSIC**

- H1 ferrocrite
- H2 crystal tuff
- H3 crystal tuff breccia, agglomerate
- H4 ash tuff, ash tuff breccia, agglomerate
- H5 undifferentiated pyroclastic rocks: tuff, breccia, agglomerate
- H6 felsic volcanic rocks (rhyolite)
- H7 intermediate volcanic rocks (dacite)
- H8 mafic volcanic rocks (basalt, pillowed basalt, andesite)
- H9 undifferentiated, strongly altered rock

**INTRUSIVE ROCKS**

- R1 felsic dykes
- R2 hornblende diorite porphyry
- R3 quartz felspar porphyry
- R4 mafic dyke

**ABBREVIATIONS**

VN	vein	py	pyrite
cp	chalcopyrite	gal	galena

**SYMBOLS**

- 380145 x rock grab sample in situ 1997
- 380154 □ composite of in situ rock 1997
- 380143 △ stream sediment sample 1997
- 86025 ○ rock grab sample in situ 1994
- 86030 • float sample 1994
- 86038 ● stream sediment sample 1994
- 4500- elevation contour on 1:25000 scale
- - - assumed geological contact
- - - interpreted fault
- △ glacier, snow
- stream
- ↗ strike and dip of bedding or zone
- ↘ strike and dip of fracture
- ↖ strike and dip of shearing
- ⊗ 1994 weak LAM anomaly

**TODD CREEK PROPERTY**  
**MAP 6**  
**YELLOW BOWL ZONE - GEOLOGY, STREAM SEDIMENT & ROCK GEOCHEMICAL SURVEYS.**

Scale 1:2 500

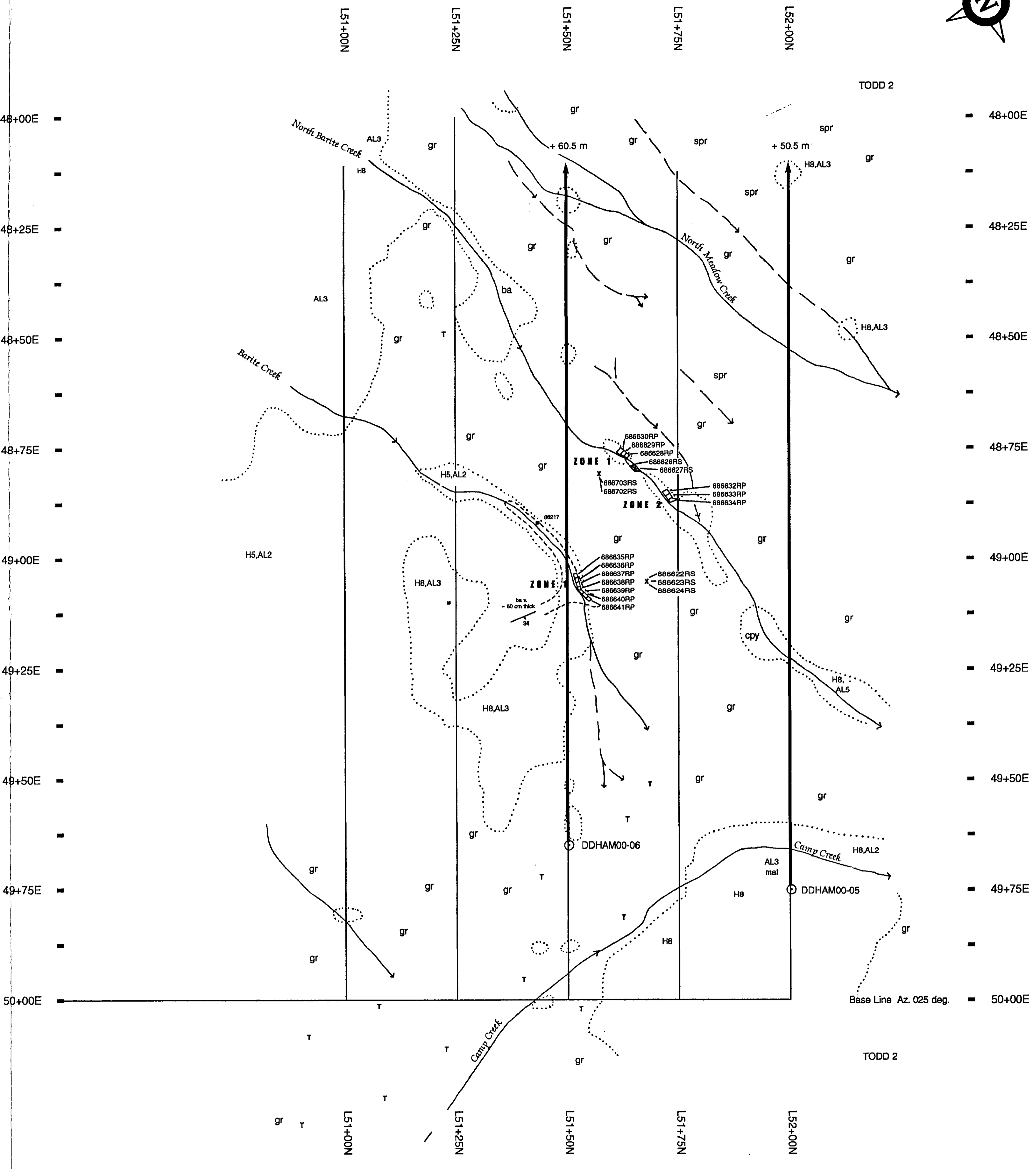
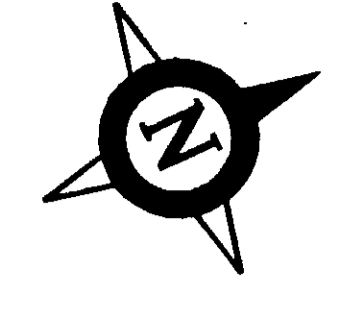
**GEOLOGICAL SURVEY BRANCH**  
November 2000

Geofine Exploration Consultants Ltd.

26,485

TABLE ABRAR - ANALYTICAL RESULTS FOR ROCK SAMPLES COLLECTED ON AMARILLO ZONE: BARITE CREEK AND NORTH BARITE CREEK ZONES

MIN. TYPE	SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
BAR RK	686702RS	<5	219	3550	792	12.8	22.0	92	150	<10
BAR RK	686703RS	<5	111	4720	752	11.2	25.0	22	370	<10
BAR RK	686622RS	<5	95	4660	5200	19.0	305.0	4	120	<10
BAR RK	686623RS	5	81	2690	3000	16.4	155.0	6	270	<10
BAR RK	686624RS	<5	288	3420	17500	20.4	492.0	20	50	<10
OX BAR RK	686626RS	10	1180	5050	2570	187.0	99.5	112	200	<10
BAR RK	686627RS	25	952	7070	5140	59.6	112.0	110	40	<10
BAR VN	686628RP	<5	53	268	634	13.0	17.5	18	220	<10
BAR VN	686629RP	<5	78	520	2230	9.8	37.5	78	70	<10
BAR VN	686630RP	<5	202	962	954	15.2	25.0	34	240	<10
BAR VN	686631RP	<5	47	136	3590	2.0	45.0	50	120	<10
BAR VN	686632RP	<5	46	6020	1130	6.4	19.5	18	240	<10
BAR VN	686633RP	10	185	642	136	2.4	2.0	18	570	<10
WR	686635RP	10	89	272	148	21.2	2.0	54	50	<10
BAR VN	686636RP	<5	78	556	932	5.6	16.0	68	40	<10
BAR VN	686637RP	<5	80	874	688	6.6	15.5	88	60	<10
BAR VN	686638RP	<5	92	1880	986	4.2	18.5	262	40	<10
WR	686639RP	30	753	454	382	5.6	15.0	202	30	<10
BAR VN	686640RP	5	21	64	84	1.8	0.5	42	290	<10
BAR VN	686641RP	<5	242	1510	354	7.8	7.0	100	60	<10



**LEGEND**

**ROCK TYPES**

HAZELTON GROUP - LOWER AND MIDDLE JURASSIC

- H1 overburden
- H2 crystal tuff
- H3 crystal tuff breccia, agglomerate
- H4 ash tuff, ash tuff breccia, agglomerate
- H5 undifferentiated pyroclastic rocks: tuff, breccia, agglomerate
- H6 felsic volcanic rocks (rhyolite)
- H7 intermediate volcanic rocks (dacite)
- H8 mafic volcanic rocks (basalt, pillowed basalt, andesite)
- H9 undifferentiated, strongly altered rock

**INTRUSIVE ROCKS**

- R1 felsic dykes
- R2 hornblende diorite porphyry
- R3 quartz feldspar porphyry
- R4 mafic dyke

**ALTERATION ZONES**

- AL1 quartz breccia veins in shear zones
- AL2 silicified, sulfidized (pyrite) +/- sericite
- AL3 silicified, baritized, sulfidized (pyrite) zones +/- lead, +/- copper, +/- zinc
- AL4 fault gouge
- AL5 silicified, sericitized, carbonitized +/- barite, +/- pyrite

**SYMBOLS**

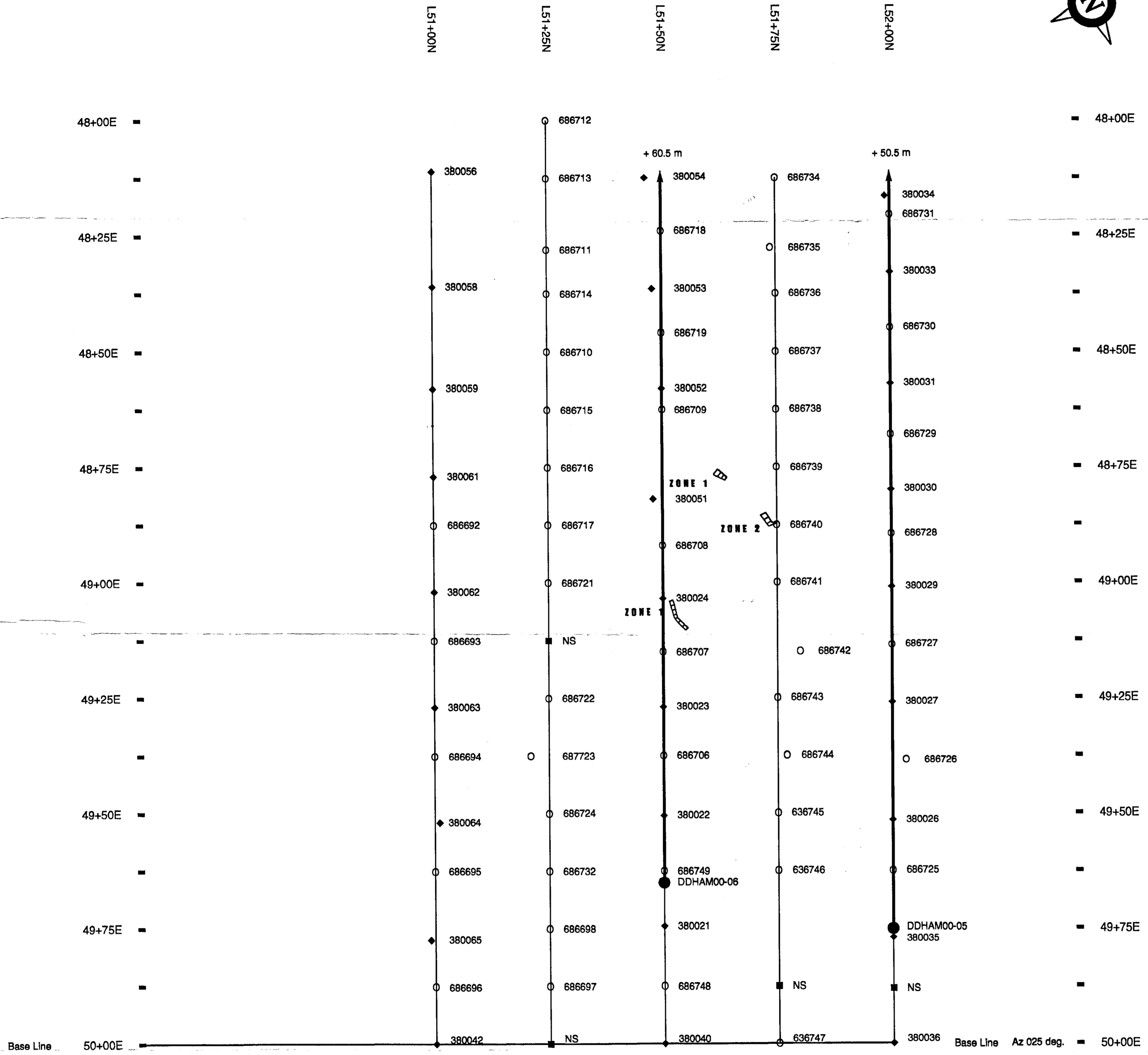
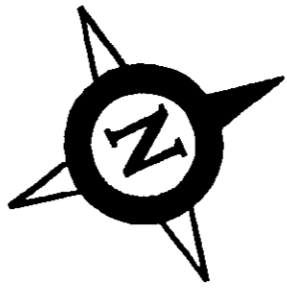
- x 760433 rock sample location and number
- o 760432 soil sample location and number
- [ ] panel sample
- [ ] outcrop area
- 760333 SS stream sediment sample
- SO soil sample
- RC rock composite sample
- RP rock panel sample
- RF rock float sample
- RS rock subcrop sample
- RT rock talus sample
- RTC rock talus composite sample
- RG rock glacial boulder
- RGC rock glacial boulder composite
- ~ ~ interpreted fault
- 75 strike/dip of joint, fracture
- 75 strike/dip of vein, dyke, zone
- ↔ strike/dip of shear
- ↘ cliff, down slope
- stream and direction
- GF - boundary, surficial debris
- H2 / H3 - geological or mineralogical boundaries
- /// mineralization boundaries
- o - proposed drill hole
- ZONE 1** zone of baritized rock

**ABBREVIATIONS**

ald	aiders	hbl	hornblende
AM	alpine meadow	jar/al	jarosite/alunite
ank	ankerite	lim	limonite
ba	barite	m	massive
bl	bleached	mal	malachite
bo	bornite	mar	maroon
bx	brecciated	Mn	manganese
cal	calcite	ox	oxidized
carb	carbonatized	py	pyrite
ch	chloritized	qtz vn	quartz vein
cpy	chalcopyrite	ser	sericitized
CTC	crystal tuff breccia	sil	silicified
epi	epidote	spec	specularite
GF	glacial fluvial	sph	sphalerite
gr	grass	spr	spruce
gn	galena	stwk	stockwork
hem	hematized	T	talus
		vn	vein

TODD CREEK PROPERTY  
**MAP 7**  
 AMARILLO ZONE - BARITE CREEK DETAILED SOIL GRID:  
 GEOLOGY AND ROCK GEOCHEMISTRY OF  
 BARITIZED ZONES

Scale 1:500  
 26,485  
 Geoline Exploration Consultants Ltd. November 2000



**TODD CREEK PROPERTY**  
**MAP 7A**

**AMARILLO ZONE - BARITE CREEK**  
**DETAILED SOIL GRID: GEOCHEMICAL SURVEY**  
**SAMPLE NUMBERS**

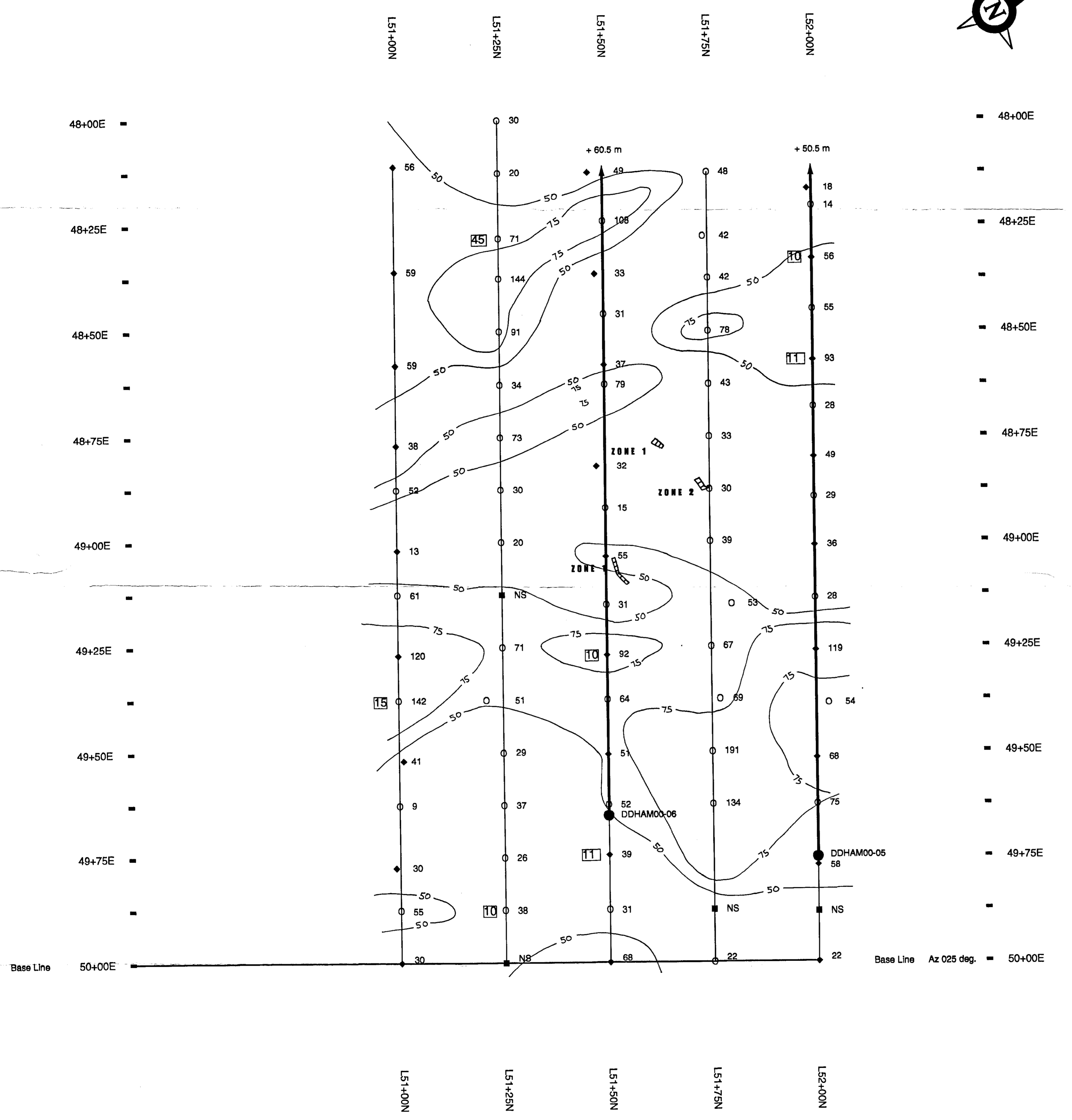
○	686695	2000 soil sample location and number
◆	380030	1997 soil sample location and number
■	NS	no sample material available
●	DDHAM00-05	proposed diamond drill hole collar location
▤	ZONE 1	zone of baritized rock

GEOLOGICAL SURVEY BRANCH  
 AND MINERAL PROPERTY  
 Scale 1:500

Geofine Exploration Consultants Ltd. **26,485** November 2006

TABLE AMARSO - ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED ON AMARILLO GRID - BARITE CREEK  
 DETAILED SOIL GRID: 1997, 2000 SAMPLES

YEAR	SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CO ppm	AS ppm	BA ppm	W ppm
2000	886712SO	<5	30	188	178	8.8	<0.5	38	890	<10
2000	886713SO	<5	20	122	108	8.4	<0.5	44	1118	<10
2000	886714SO	<5	71	258	388	9.2	1.0	64	590	<10
2000	886715SO	<5	144	82	214	23.2	1.0	56	430	<10
2000	886716SO	<5	91	132	142	7.0	<0.5	68	320	<10
2000	886717SO	<5	34	128	104	8.6	<0.5	42	340	<10
2000	886718SO	<5	73	176	268	5.8	1.0	76	410	<10
2000	886719SO	<5	30	50	118	3.4	<0.5	48	280	<10
2000	886720SO	<5	20	118	138	4.8	<0.5	48	210	<10
2000	886721SO	5	71	178	94	10.0	<0.5	56	170	<10
2000	886722SO	<5	51	54	148	3.8	<0.5	62	210	<10
2000	886723SO	<5	29	44	84	6.8	0.8	38	300	<10
2000	886724SO	<5	37	80	258	7.8	<0.5	60	280	<10
2000	886725SO	5	38	58	128	7.0	<0.5	58	160	<10
2000	886726SO	10	38	94	212	2.8	0.5	56	170	<10
2000	886727SO	<5	9	48	82	4.0	<0.5	32	230	<10
2000	886728SO	<5	9	48	82	4.0	<0.5	28	310	<10
2000	886729SO	15	142	188	148	14.8	2.0	122	720	<10
2000	886730SO	<5	81	82	114	16.2	<0.5	54	210	<10
2000	886731SO	5	52	90	1	4.8	<0.5	52	350	<10
2000	886732SO	<5	48	120	304	5.4	1.0	64	1100	<10
2000	886733SO	<5	42	180	164	6.0	0.5	58	650	<10
2000	886734SO	<5	42	140	164	3.0	<0.5	82	1630	<10
2000	886735SO	<5	78	278	358	6.4	8.0	64	1260	<10
2000	886736SO	<5	43	202	222	8.4	1.5	80	810	<10
2000	886737SO	<5	33	210	132	7.0	1.0	46	820	<10
2000	886738SO	<5	30	130	84	7.8	<0.5	24	570	<10
2000	886739SO	<5	38	238	110	8.4	0.5	80	1090	<10
2000	886740SO	<5	93	148	232	4.0	1.0	58	660	<10
2000	886741SO	<5	87	308	208	11.4	1.0	118	590	<10
2000	886742SO	<5	89	322	224	10.4	0.5	80	810	<10
2000	886743SO	<5	191	414	408	9.2	8.0	168	1140	<10
2000	886744SO	<5	134	324	368	7.8	3.6	198	810	<10
2000	886745SO	<5	22	22	40	1.8	<0.5	28	200	<10
2000	886746SO	<5	31	66	84	8.2	<0.5	28	240	<10
2000	886747SO	<5	52	80	230	2.4	3.6	60	480	<10
2000	886748SO	<5	64	118	230	2.2	0.6	68	1340	<10
2000	886749SO	<5	31	182	104	8.0	<0.5	118	530	<10
2000	886750SO	<5	15	118	56	8.4	<0.5	22	600	<10
2000	886751SO	<5	79	238	344	3.0	4.0	130	650	<10
2000	886752SO	<5	31	110	78	8.2	<0.5	24	520	<10
2000	886753SO	<5	108	364	348	8.8	8.5	48	740	<10
2000	886754SO	<5	75	268	218	8.8	<0.5	44	940	<10
2000	886755SO	<5	54	280	188	8.8	1.5	58	740	<10
2000	886756SO	<5	28	196	106	5.4	0.5	48	820	<10
2000	886757SO	<5	29	206	150	8.0	0.5	30	950	<10
2000	886758SO	<5	95	182	272	5.4	3.5	82	1450	<10
2000	886759SO	<5	14	34	70	1.4	<0.5	18	330	<10
1997	380042SO	<5	30	120	178	3.2	<0.5	32	410	<10
1997	380043SO	<5	30	98	368	2.8	3.5	48	370	<10
1997	380044SO	<5	41	98	228	8.2	3.0	32	490	<10
1997	380045SO	<5	120	108	154	8.6	1.5	52	490	<10
1997	380046SO	<5	13	30	82	2.4	0.5	28	340	<10
1997	380047SO	<5	38	118	104	3.8	<0.5	244	550	<10
1997	380048SO	<5	59	120	158	3.4	0.5	48	450	<10
1997	380049SO	<5	59	120	198	4.0	0.5	100	610	<10
1997	380050SO	<5	68	120	90	4.4	0.5	84	480	<10
1997	380051SO	5	68	92	124	1.0	<0.5	60	210	<10
1997	380052SO	110	39	74	184	2.8	0.5	54	230	<10
1997	380053SO	5	81	108	168	2.2	0.5	82	470	<10
1997	380054SO	10	82	374	300	7.8	0.5	288	900	<10
1997	380055SO	<5	56	500	158	9.8	2.0	190	770	<10
1997	380056SO	<5	90	112	7.2	1.0	34	280	<10	
1997	380057SO	<5	37	188	118	5.6	1.8	46	790	<10
1997	380058SO	<5	32	108	158	4.8	1.0	34	740	<10
1997	380059SO	<5	48	170	148	6.4	0.8	64	840	<10
1997	380060SO	<5	22	52	44	1.8	<0.5	14	180	<10
1997	380061SO	5	58	88	128	1.4	<0.5	38	160	<10
1997	380062SO	5	68	378	268	8.2	8.0	118	1040	<10
1997	380063SO	5	119	344	268	8.6	2.5	68	1140	<10
1997	380064SO	<5	38	218	132	4.4	0.5	82	890	<10
1997	380065SO	<5	49	222	280	7.0	2.5	48	980	<10
1997	380066SO	<5	83	252	436	10.4	3.0	80	720	<10
1997	380067SO	10	56	34	370	10.8	2.5	22	1320	<10
1997	380068SO	5	18	98	58	2.2	0.5	28	390	<10
AVERAGE VALUES		5	54	165	190	6.3	1.2	67	809	0



**TODD CREEK PROPERTY**  
**MAP 7B**

**AMARILLO ZONE - BARITE CREEK**  
**DETAILED SOIL GRID: GEOCHEMICAL SURVEY**  
**Cu ppm contoured and Au ppb anomalies**

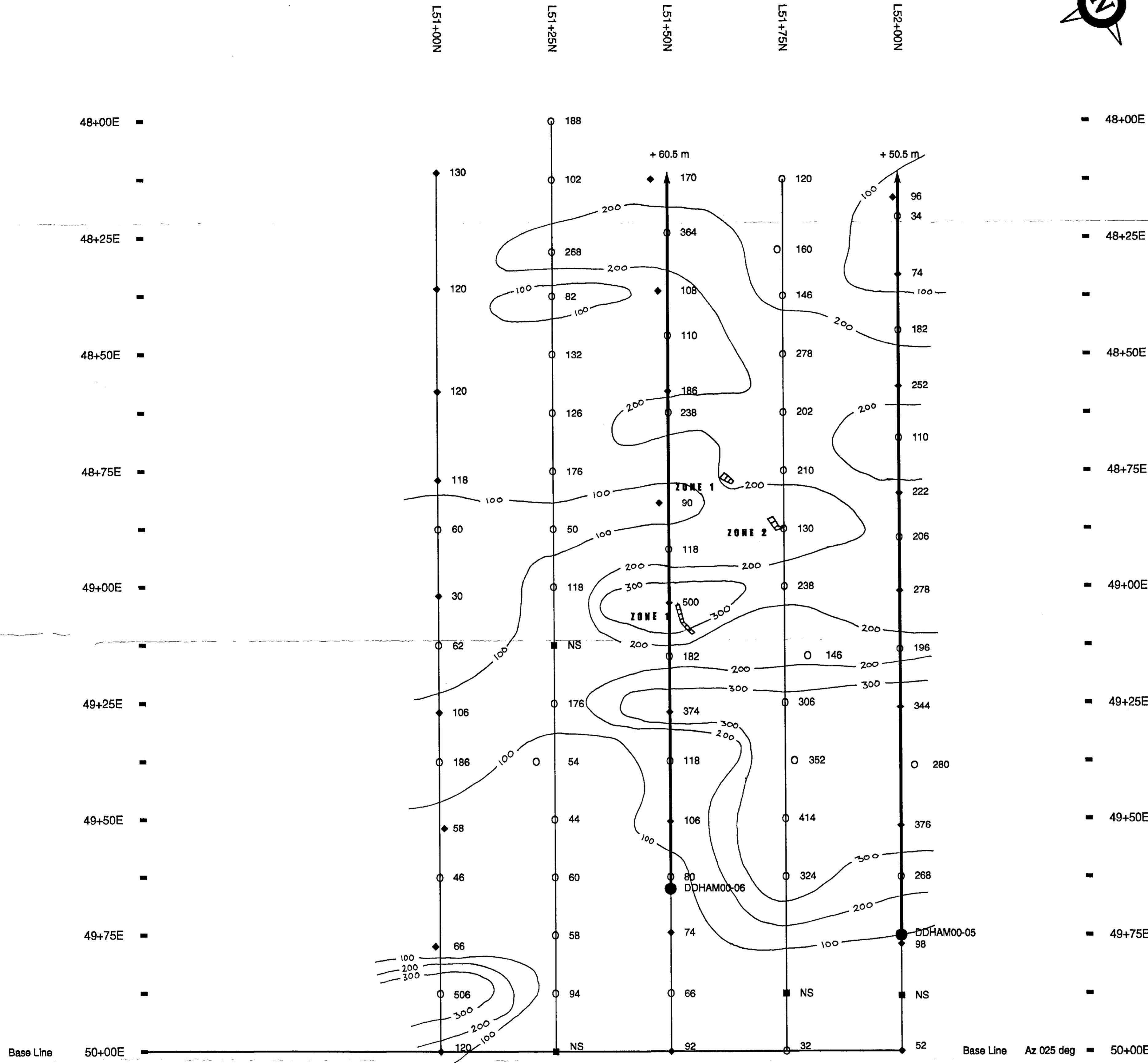
- 144      2000 soil sample analysis (Cu ppm)
- 120      1997 soil sample analysis (Cu ppm)
- 45 ○      2000 soil sample analysis (Au ppb)
- 11 ●      1997 soil sample analysis (Au ppb)
- NS      no sample material available
- 50 ~      contour of geochemical analyses (Cu ppm)
- DDHAM00-05      proposed diamond drill hole collar location
- ZONE 1      zone of baritized rock

Scale 1:500  
 26/11/05  
 November 2005  
 Geofine Exploration Consultants Ltd.



TABLE AARSO-ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED ON AMARILLO GRID - BARITE CREEK  
DETAILED SOIL GRID: 1997, 2000 SAMPLES

YEAR	SAMP NO	AU	CU	PB	ZN	AG	CD	AS	BA	W
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2000	88671280	-5	30	188	178	6.8				290
2000	88671330	-5	20	102	108	8.4	-0.5	44	1110	<10
2000	88671350	-5	71	268	368	8.2	1.0	64	350	<10
2000	88671450	-5	144	82	214	23.2	1.0	58	430	<10
2000	88671680	-5	91	132	142	7.0	-0.5	88	320	<10
2000	88671650	-5	34	126	104	8.6	-0.5	42	340	<10
2000	88671850	-5	73	178	288	5.8	1.0	76	410	<10
2000	88671750	-5	30	50	118	3.4	-0.5	46	280	<10
2000	88671550	-5	23	118	136	4.6	-0.5	46	210	<10
2000	88672250	8	71	178	94	10.0	-0.5	56	170	<10
2000	88672350	-5	51	54	146	2.8	-0.5	90	210	<10
2000	88672450	-5	29	44	84	6.6	0.5	28	300	<10
2000	88673250	-5	37	60	258	7.8	-0.5	80	260	<10
2000	88688850	5	28	58	128	7.0	-0.5	28	180	<10
2000	88691750	10	38	94	212	7.4	0.5	56	170	<10
2000	88688850	-5	55	508	236	4.8	1.5	32	200	<10
2000	88688850	-6	8	46	82	4.0	-0.5	28	310	<10
2000	88688850	15	142	188	146	14.6	2.0	122	720	<10
2000	88688850	-5	81	82	114	10.2	-0.5	54	210	<10
2000	88688850	5	58	88	148	4.8	-0.5	52	350	<10
2000	88673450	-5	48	120	304	5.4	1.0	64	1190	<10
2000	88673550	5	42	160	184	5.0	0.5	58	850	<10
2000	88673650	-5	42	148	164	3.0	-0.5	82	1630	<10
2000	88673750	-5	78	278	358	6.4	8.0	64	1280	<10
2000	88673850	-5	43	202	222	8.8	1.5	60	810	<10
2000	88673950	-5	33	210	132	7.0	1.0	46	620	<10
2000	88674050	-5	30	130	84	7.6	-0.5	24	570	<10
2000	88674150	-5	38	238	110	8.4	0.5	86	890	<10
2000	88674250	-5	148	232	408	4.0	1.0	58	580	<10
2000	88674350	-5	67	308	208	11.4	1.0	118	590	<10
2000	88674450	-5	69	352	224	10.4	2.0	148	810	<10
2000	88674550	-5	31	66	84	8.2	-0.5	28	340	<10
2000	88674650	-5	134	324	368	7.8	3.5	198	810	<10
2000	88674750	-5	22	32	40	1.8	-0.5	28	200	<10
2000	88674850	-5	31	66	84	8.2	-0.5	28	340	<10
2000	88674950	-5	52	80	230	2.4	3.8	60	480	<10
2000	88675050	-5	64	118	230	2.2	0.5	68	1340	<10
2000	88675150	-5	31	182	104	8.0	-0.5	118	530	<10
2000	88675250	-5	15	118	56	8.4	-0.5	22	600	<10
2000	88675350	-5	79	238	344	3.0	4.0	130	650	<10
2000	88675450	-5	31	110	78	8.2	-0.5	24	520	<10
2000	88675550	-5	108	364	348	8.8	8.5	48	1090	<10
2000	88675650	-5	75	256	216	8.8	-0.5	154	470	<10
2000	88675750	-5	34	280	168	8.6	1.5	58	740	<10
2000	88675850	-5	28	196	108	5.4	0.5	44	840	<10
2000	88675950	-5	29	206	150	5.0	0.5	46	620	<10
2000	88676050	-5	28	110	120	8.2	0.5	30	950	<10
2000	88676150	-5	55	182	272	5.4	3.5	62	1450	<10
2000	88676250	-5	14	24	70	1.4	-0.5	18	330	<10
1997	38004250	-5	80	120	178	3.2	4.5	32	410	<10
1997	38005550	-5	30	66	368	2.6	3.0	48	370	<10
1997	38006450	-5	41	58	228	9.2	3.0	32	450	<10
1997	38006350	-5	120	106	154	8.5	1.5	82	480	<10
1997	38006250	-5	13	30	62	2.4	0.5	28	240	<10
1997	38006150	-5	38	118	104	3.8	-0.5	244	520	<10
1997	38006050	-5	58	120	158	3.4	0.5	48	450	<10
1997	38005950	-5	58	120	198	4.0	0.5	100	610	<10
1997	38005850	-5	58	130	80	4.4	0.5	84	450	<10
1997	38005750	5	68	92	124	1.0	-0.5	60	210	<10
1997	38002150	110	38	74	184	2.8	0.5	54	230	<10
1997	38002250	5	51	106	168	2.2	0.5	82	470	<10
1997	38002350	10	92	374	300	7.8	0.8	288	800	<10
1997	38002450	-5	66	800	158	9.8	2.0	180	770	<10
1997	38002550	-5	32	90	112	7.2	1.0	34	260	<10
1997	38002650	-5	37	186	118	5.8	1.8	46	780	<10
1997	38002750	-5	33	108	158	4.8	1.0	34	740	<10
1997	38002850	-5	48	170	148	6.4	0.5	84	840	<10
1997	38002950	-5	22	52	44	1.8	-0.5	14	180	<10
1997	38003050	5	58	98	128	1.4	-0.5	38	180	<10
1997	38003150	5	68	378	286	8.2	5.0	118	1040	<10
1997	38003250	5	119	344	268	8.6	2.5	88	1140	<10
1997	38003350	-5	38	278	132	4.4	0.5	82	960	<10
1997	38003450	-5	49	222	280	7.0	2.5	48	860	<10
1997	38003550	110	93	252	436	10.4	3.0	80	730	<10
1997	38003650	10	56	74	370	10.8	2.5	22	1220	<10
1997	38003750	5	18	66	58	2.2	0.5	28	380	<10
AVERAGE VALUES										
		5	54	165	180	6.3	1.2	67	609	0



**TODD CREEK PROPERTY  
MAP 7C**

**AMARILLO ZONE - BARITE CREEK  
DETAILED SOIL GRID: GEOCHEMICAL SURVEY  
Pb ppm**

- 104 2000 soil sample analysis (Pb ppm)
- 159 1997 soil sample analysis (Pb ppm)
- NS no sample material available
- DDHAM00-05 proposed diamond drill hole collar location
- ~ 200 ~ contour of geochemical analyses (Pb ppm)
- ZONE 1** zone of baritized rock

Scale 1:500

Geofine Exploration Consultants Ltd. November 2000

26485

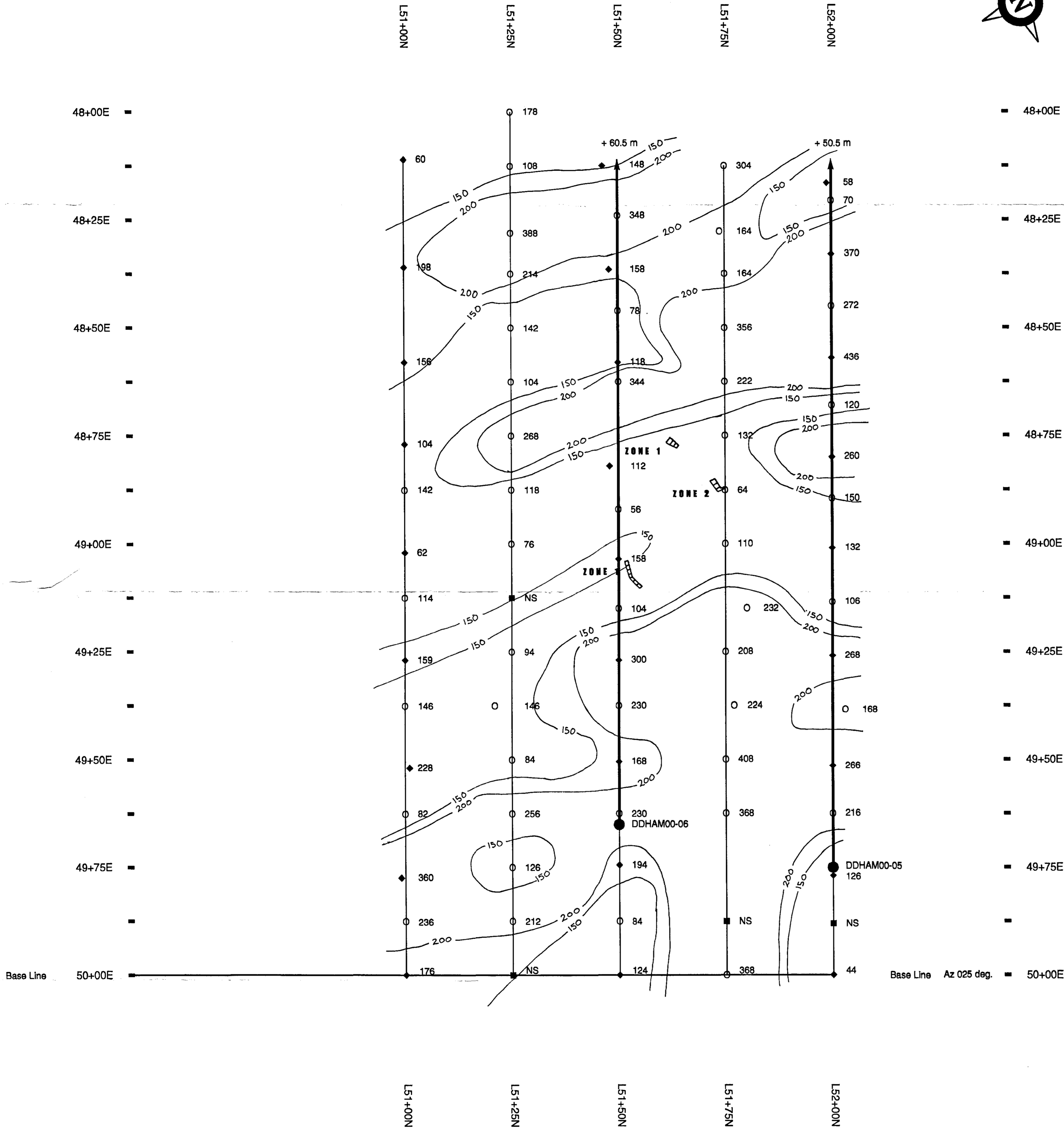




TABLE AMARSO-ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED ON AMARILLO GRID - BARITE CREEK  
 DETAILED SOIL GRID: 1997, 2000 SAMPLES

YEAR	SAMP NO	AU	CU	PB	ZN	AG	CD	AS	BA	W
		ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2000	68671250	<-	30	160	178	8.6	-0.5	38	690	<10
2000	68671350	<-	20	102	108	8.4	-0.5	44	1110	<10
2000	68671500	<-	71	288	388	9.2	1.0	64	590	<10
2000	68671650	<-	144	82	214	23.2	1.0	66	430	<10
2000	68671950	<-	91	132	142	7.0	-0.5	88	310	<10
2000	68671850	<-	34	128	104	8.8	-0.5	42	340	<10
2000	68671650	<-	73	178	268	5.8	-0.5	60	480	<10
2000	68671750	<-	30	50	118	3.4	-0.5	78	410	<10
2000	68672150	<-	20	118	138	4.8	-0.5	48	210	<10
2000	68672250	5	71	178	94	10.0	-0.5	58	170	<10
2000	68672350	<-	51	54	148	2.8	-0.5	50	210	<10
2000	68672450	<-	29	44	84	8.8	0.5	28	300	<10
2000	68672550	<-	37	80	258	7.8	-0.5	60	190	<10
2000	68668550	5	28	58	128	7.8	-0.5	28	180	<10
2000	68668750	10	38	94	212	2.8	-0.5	56	170	<10
2000	68668950	<-	55	508	238	4.8	1.5	32	200	<10
2000	68669550	<-	9	48	82	4.0	-0.5	28	310	<10
2000	68668450	15	142	188	148	14.8	2.0	122	720	<10
2000	68669350	<-	61	82	114	10.2	-0.5	54	210	<10
2000	68669250	5	52	80	1	4.8	-0.5	52	350	<10
2000	68673450	<-	48	120	304	6.4	1.0	84	1190	<10
2000	68673550	5	42	180	164	6.0	0.5	58	650	<10
2000	68673650	<-	42	148	164	3.0	-0.5	82	1630	<10
2000	68673750	<-	78	278	358	6.4	8.0	84	1290	<10
2000	68673850	<-	43	202	222	8.8	1.8	80	810	<10
2000	68673950	<-	33	210	132	7.0	1.0	48	920	<10
2000	68674050	<-	30	130	84	7.8	-0.5	24	570	<10
2000	68674150	<-	39	238	110	0.8	-0.5	88	880	<10
2000	68674250	<-	63	148	232	4.0	1.0	58	660	<10
2000	68674350	<-	87	208	238	11.4	1.0	118	690	<10
2000	68674450	<-	89	352	224	10.4	2.0	148	810	<10
2000	68674550	<-	191	414	408	9.2	8.0	168	1140	<10
2000	68674650	<-	22	32	40	1.8	-0.5	28	200	<10
2000	68674750	<-	31	66	84	6.2	-0.5	28	240	<10
2000	68674850	<-	52	80	230	2.4	3.5	80	460	<10
2000	68674950	<-	64	118	230	2.2	0.5	68	1340	<10
2000	68675050	<-	31	182	104	8.0	-0.5	118	530	<10
2000	68675150	<-	15	118	58	8.4	-0.5	22	800	<10
2000	68675250	<-	79	238	344	3.0	4.0	130	650	<10
2000	68675350	<-	31	110	78	8.2	-0.5	24	520	<10
2000	68675450	<-	108	264	348	8.8	8.5	48	1090	<10
2000	68675550	<-	75	288	218	8.8	-0.5	154	470	<10
2000	68675650	<-	54	280	168	8.8	1.5	58	740	<10
2000	68675750	<-	28	198	108	5.4	0.5	44	940	<10
2000	68675850	<-	29	208	150	6.0	0.5	48	920	<10
2000	68675950	<-	28	110	120	6.2	0.5	30	850	<10
2000	68676050	<-	65	182	272	5.4	3.5	62	1450	<10
2000	68676150	<-	14	34	70	1.4	-0.5	18	330	<10
1997	38004250	<-	30	120	178	3.2	*5	32	410	<10
1997	38006350	<-	30	98	368	2.8	3.0	48	370	<10
1997	38006450	<-	41	58	228	8.2	3.0	32	450	<10
1997	38006550	<-	120	108	154	8.8	1.8	52	490	<10
1997	38006650	<-	13	30	82	2.4	0.5	28	240	<10
1997	38006750	<-	38	118	104	3.8	*0.5	244	550	<10
1997	38006850	<-	58	120	158	3.4	0.5	48	450	<10
1997	38006950	<-	59	120	188	4.0	0.5	100	510	<10
1997	38007050	<-	58	130	80	4.4	0.5	84	480	<10
1997	38007150	5	88	92	124	11.0	-0.5	60	210	<10
1997	38007250	110	39	74	184	2.8	0.5	54	230	<10
1997	38007350	5	51	108	188	2.2	0.5	82	470	<10
1997	38007450	10	92	274	306	7.8	0.5	288	800	<10
1997	38007550	<-	65	600	158	8.8	2.0	190	770	<10
1997	38007650	<-	32	80	112	7.2	1.0	34	280	<10
1997	38007750	<-	37	188	118	6.8	1.8	48	790	<10
1997	38007850	<-	23	108	158	4.8	1.0	34	740	<10
1997	38007950	<-	49	170	148	6.4	0.5	64	840	<10
1997	38008050	<-	22	52	44	1.8	-0.5	14	160	<10
1997	38008150	5	58	98	128	1.4	*0.5	38	160	<10
1997	38008250	5	68	378	268	8.2	5.0	118	1040	<10
1997	38008350	5	119	344	268	8.8	2.5	68	1140	<10
1997	38008450	<-	38	278	132	4.4	0.5	82	990	<10
1997	38008550	<-	49	222	280	7.0	2.5	48	960	<10
1997	38008650	110	83	252	438	10.4	3.0	80	730	<10
1997	38008750	10	58	74	370	10.8	2.5	22	1320	<10
1997	38008850	5	18	98	58	2.2	0.5	28	390	<10

AVERAGE VALUES 5 54 185 180 8.3 1.2 87 609 0



**TODD CREEK PROPERTY**  
**MAP 7D**

AMARILLO ZONE - BARITE CREEK  
 DETAILED SOIL GRID: GEOCHEMICAL SURVEY  
 Zn ppm

- 104 2000 soil sample analysis (Zn ppm)
- ◆ 159 1997 soil sample analysis (Zn ppm)
- NS no sample material available
- DDHAM00-05 proposed diamond drill hole collar location
- ~ 150 ~ contour of geochemical analyses (Zn ppm)
- ZONE 1** zone of baritized rock

Scale 1:500  
 26,485  
 Geofine Exploration Consultants Ltd. November 2000

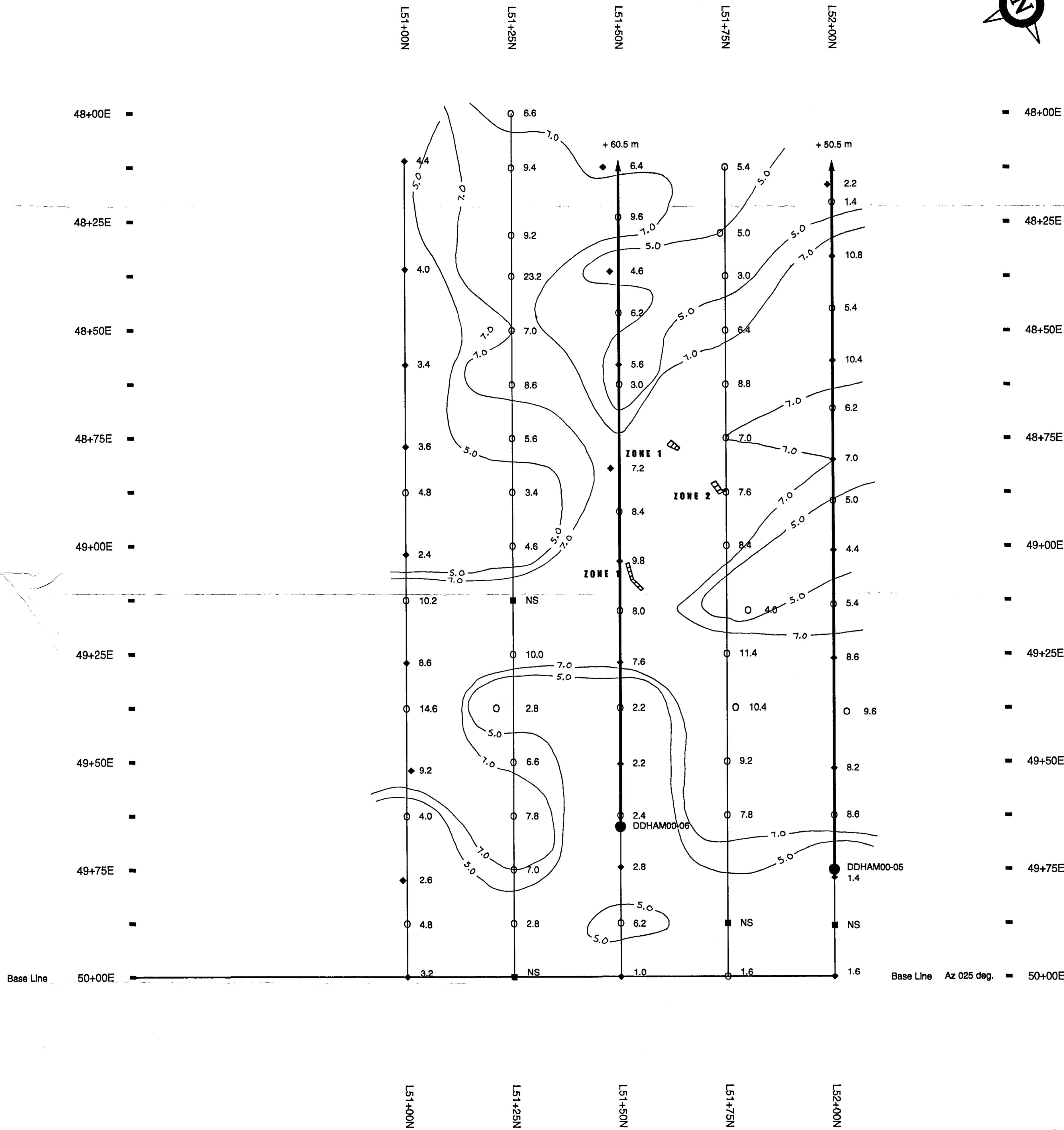


TABLE A8ARSO-ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED ON AMARILLO GRID - BARITE CREEK  
DETAILED SOIL GRID: 1997, 2000 SAMPLES

YEAR	SAMP NO	AU ppm	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
2000	88671250	-5	30	198	178	6.8	-0.5	38	890	-10
2000	88671350	-5	20	102	108	8.4	-0.5	44	1110	-10
2000	88671150	-5	71	238	388	9.2	1.0	84	390	-10
2000	88671450	-5	144	82	214	23.2	1.0	58	430	-10
2000	88671050	-5	91	132	142	7.0	-0.5	88	320	-10
2000	88671550	-5	34	126	104	8.8	-0.5	42	340	-10
2000	88671650	-5	73	178	268	5.8	1.0	78	410	-10
2000	88671750	-5	30	50	118	3.4	-0.5	48	280	-10
2000	88671850	-5	20	118	138	4.8	-0.5	48	210	-10
2000	88672350	5	71	178	94	10.0	-0.8	58	170	-10
2000	88672350	-5	51	54	146	2.8	-0.5	50	210	-10
2000	88672450	-5	29	44	84	6.8	0.5	28	300	-10
2000	88673250	-5	37	80	258	7.8	-0.5	50	280	-10
2000	88668850	5	28	58	128	7.0	-0.5	28	180	-10
2000	88668750	10	38	84	212	2.8	0.5	58	170	-10
2000	88668650	-5	55	508	238	4.8	1.5	32	200	-10
2000	88668550	-5	9	48	82	4.0	-0.5	28	310	-10
2000	88668450	18	142	188	148	14.8	2.0	122	720	-10
2000	88668350	-5	61	62	114	10.2	-0.5	54	210	-10
2000	88668250	-5	82	60	1	4.8	-0.5	52	350	-10
2000	88673450	-5	48	120	304	5.4	1.0	64	1190	-10
2000	88673550	5	42	190	184	5.0	0.5	58	850	-10
2000	88673650	-5	42	148	154	3.0	-0.5	62	1530	-10
2000	88673750	-5	78	278	358	6.4	8.0	64	1280	-10
2000	88673850	-5	43	202	222	8.8	1.5	60	810	-10
2000	88673950	-5	33	210	132	7.0	1.0	92	920	-10
2000	88674050	-5	30	130	84	7.8	-0.5	24	570	-10
2000	88674150	-5	39	238	110	8.4	0.5	88	590	-10
2000	88674250	-5	148	232	4.8	1.0	58	980	-10	
2000	88674350	-5	67	308	208	11.4	1.0	118	590	-10
2000	88674450	-5	69	352	224	10.4	2.0	148	810	-10
2000	88674550	-5	191	414	488	9.2	1.0	168	1140	-10
2000	88674650	-5	134	324	368	7.8	3.5	198	610	-10
2000	88674750	-5	22	32	40	1.8	-0.5	28	200	-10
2000	88674850	-5	31	68	84	6.2	-0.5	28	240	-10
2000	88674950	-5	52	80	230	2.4	3.5	60	480	-10
2000	88675050	-5	84	118	230	2.2	0.5	68	1340	-10
2000	88675150	-5	21	182	194	8.0	-0.5	118	530	-10
2000	88675250	-5	15	118	58	8.4	-0.5	22	800	-10
2000	88675350	-5	79	238	344	3.0	4.0	130	850	-10
2000	88675450	-5	31	110	78	6.2	-0.5	24	520	-10
2000	88675550	-5	108	384	348	9.8	8.5	48	1090	-10
2000	88675650	-5	75	288	218	8.8	-0.5	154	470	-10
2000	88675750	-5	54	230	158	9.8	1.5	58	740	-10
2000	88675850	-5	28	198	108	5.4	0.5	44	840	-10
2000	88675950	-5	29	208	150	5.0	0.5	48	920	-10
2000	88676050	-5	28	110	120	6.2	0.5	30	950	-10
2000	88676150	-5	55	182	272	5.4	3.5	62	1450	-10
2000	88676250	-5	14	34	70	1.4	-0.5	18	330	-10
1997	38004350	-5	30	120	178	3.2	4.5	32	410	-10
1997	38004450	-5	30	68	368	2.8	3.0	48	370	-10
1997	38004550	-5	41	58	228	9.2	3.0	32	450	-10
1997	38004650	-5	120	108	154	6.8	1.5	82	490	-10
1997	38004750	-5	13	30	62	2.4	0.5	28	240	-10
1997	38004850	-5	38	118	104	3.8	-0.5	24	450	-10
1997	38004950	-5	58	120	156	3.4	0.5	48	450	-10
1997	38005050	-5	88	120	198	4.0	0.5	100	510	-10
1997	38005150	-5	58	130	80	4.4	0.5	84	480	-10
1997	38005250	5	68	92	124	1.0	-0.5	80	210	-10
1997	38005350	110	39	74	184	2.8	0.5	54	230	-10
1997	38005450	5	51	108	168	2.2	0.5	82	470	-10
1997	38005550	10	82	374	300	7.8	0.5	288	800	-10
1997	38005650	-5	55	500	158	9.8	2.0	160	770	-10
1997	38005750	-5	32	90	112	7.2	1.0	34	280	-10
1997	38005850	-5	37	188	118	5.8	1.5	48	790	-10
1997	38005950	-5	33	108	198	4.8	1.0	34	740	-10
1997	38006050	-5	49	170	148	6.4	-0.5	64	840	-10
1997	38006150	-5	22	52	44	1.8	-0.5	14	180	-10
1997	38006250	5	58	98	128	1.4	-0.5	38	160	-10
1997	38006350	5	68	378	268	8.2	8.0	118	1040	-10
1997	38006450	5	119	344	268	8.8	2.5	68	1140	-10
1997	38006550	-5	38	278	132	4.4	0.5	62	960	-10
1997	38006650	-5	49	222	230	7.0	2.5	48	960	-10
1997	38006750	110	83	252	438	10.4	3.0	80	730	-10
1997	38006850	10	58	74	370	10.8	2.5	22	1320	-10
1997	38006950	5	18	98	58	2.2	0.5	28	390	-10
AVERAGE VALUES										
		5	64	165	180	6.3	1.2	67	609	0

**TODD CREEK PROPERTY**  
**MAP 7E**

**AMARILLO ZONE - BARITE CREEK**  
**DETAILED SOIL GRID: GEOCHEMICAL SURVEY**  
**Ag ppm**

- 104 2000 soil sample analysis (Ag ppm)
- ◆ 159 1997 soil sample analysis (Ag ppm)
- NS no sample material available
- DDHAM00-05 proposed diamond drill hole collar location
- ~ 7.0 ~ contour of geochemical analyses (Ag ppm)
- ZONE 1** zone of baritized rock

Scale: 1:500  
26,485  
Geofine Exploration Consultants Ltd. November 2000

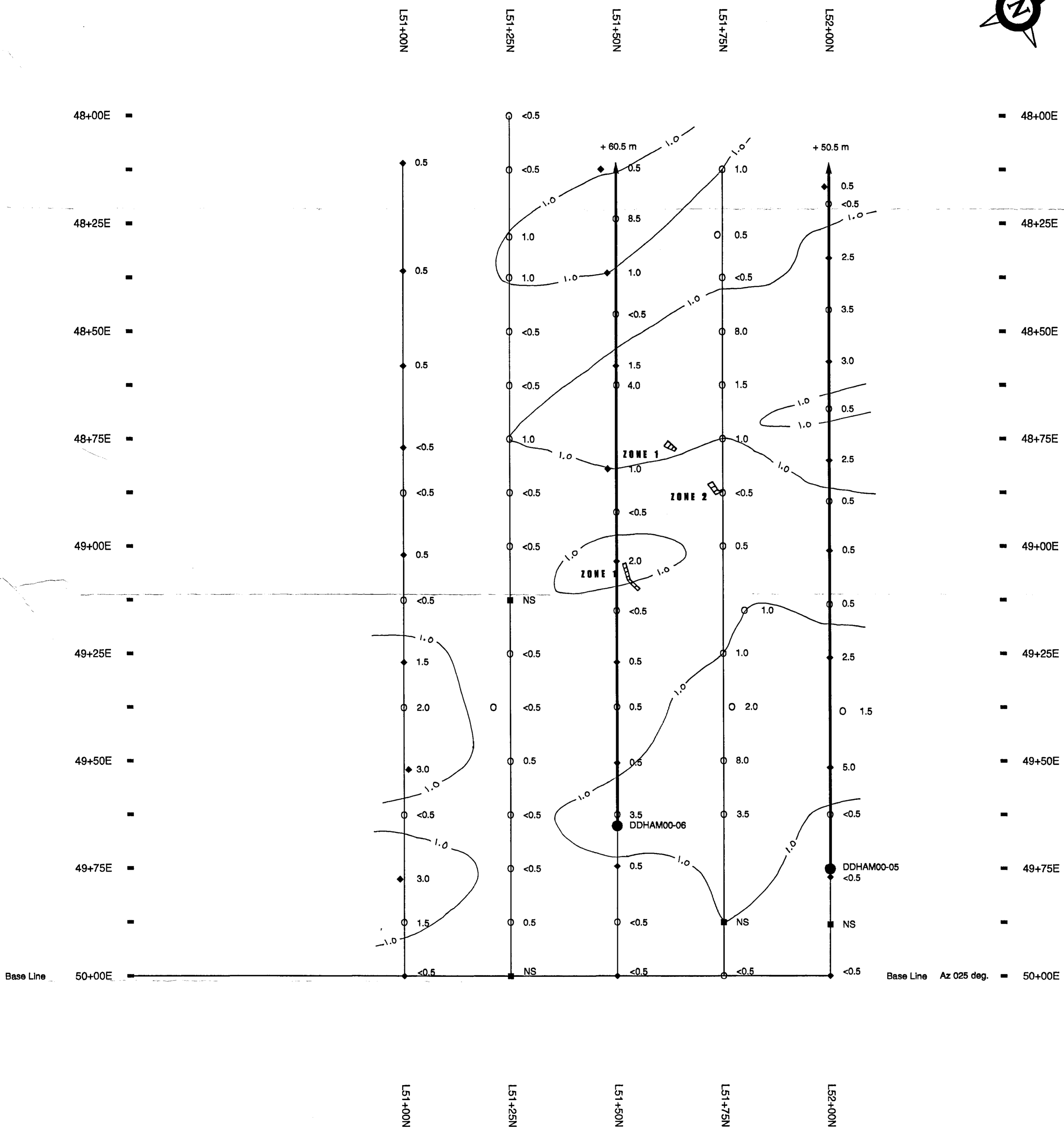


TABLE AMARILLO - ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED ON AMARILLO GRID - BARITE CREEK  
DETAILED SOIL GRID: 1997, 2000 SAMPLES

YEAR	SAMP NO	AU	CU	PB	ZN	AG	CD	AS	SA	W
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2000	88671250	5	30	158	178	5.4	<0.5	38	590	<10
2000	88671350	5	20	102	108	8.4	<0.5	44	1110	<10
2000	88671450	5	144	82	214	22.2	1.0	56	430	<10
2000	88671550	5	91	132	142	7.0	<0.5	88	320	<10
2000	88671650	5	34	128	104	8.6	<0.5	42	340	<10
2000	88671750	5	178	268	5.4	1.0	78	470	<10	
2000	88671850	5	30	50	118	3.4	<0.5	48	280	<10
2000	88671950	5	20	118	136	4.6	<0.5	48	210	<10
2000	88672050	5	11	178	84	10.0	<0.5	56	170	<10
2000	88672150	5	51	54	148	2.8	<0.5	50	210	<10
2000	88672250	5	29	46	84	6.6	0.5	28	300	<10
2000	88672350	5	37	60	258	7.8	<0.5	50	260	<10
2000	88672450	5	28	58	128	7.0	<0.5	28	180	<10
2000	88672550	10	38	94	212	2.8	0.5	58	170	<10
2000	88672650	5	508	238	4.8	1.5	32	200	<10	
2000	88672750	5	9	46	82	4.0	<0.5	28	310	<10
2000	88672850	18	142	188	148	14.8	2.0	122	720	<10
2000	88672950	5	61	62	114	10.2	<0.5	54	210	<10
2000	88673050	5	52	80	1	4.8	<0.5	52	350	<10
2000	88673150	5	48	120	304	5.4	1.0	64	1190	<10
2000	88673250	5	42	160	164	8.0	0.5	58	850	<10
2000	88673350	5	42	146	164	3.0	<0.5	82	1630	<10
2000	88673450	5	78	278	358	6.4	8.0	64	1260	<10
2000	88673550	5	43	202	222	8.8	1.5	60	810	<10
2000	88673650	5	33	238	110	7.0	1.0	46	820	<10
2000	88673750	5	30	210	132	4.0	1.0	58	800	<10
2000	88673850	5	130	64	7.8	1.0	118	560	<10	
2000	88673950	5	38	238	110	8.4	0.5	86	590	<10
2000	88674050	5	63	146	232	4.0	1.0	58	800	<10
2000	88674150	5	87	208	208	11.4	1.0	118	560	<10
2000	88674250	5	89	352	224	10.4	2.0	148	810	<10
2000	88674350	5	191	414	408	9.2	8.0	168	1140	<10
2000	88674450	5	22	32	40	1.8	<0.5	28	200	<10
2000	88674550	5	31	66	84	6.2	<0.5	28	240	<10
2000	88674650	5	52	80	220	2.4	3.5	60	450	<10
2000	88674750	5	84	118	230	2.2	0.5	68	1340	<10
2000	88674850	5	31	182	104	8.0	<0.5	118	530	<10
2000	88674950	5	15	118	56	8.4	<0.5	22	600	<10
2000	88675050	5	79	238	344	3.0	4.0	130	650	<10
2000	88675150	5	31	110	78	6.2	<0.5	24	620	<10
2000	88675250	5	108	364	348	9.8	8.5	48	1090	<10
2000	88675350	5	78	288	216	8.8	<0.5	154	470	<10
2000	88675450	5	54	200	168	9.6	1.5	58	740	<10
2000	88675550	5	28	198	106	5.4	0.5	44	840	<10
2000	88675650	5	29	208	150	5.0	0.5	48	920	<10
2000	88675750	5	28	110	120	8.2	0.5	30	850	<10
2000	88675850	5	55	182	272	5.4	3.5	62	1450	<10
2000	88675950	5	14	34	70	1.4	<0.5	18	330	<10
1997	38002150	5	30	102	178	3.2	<0.5	32	410	<10
1997	38002250	5	41	58	228	9.2	3.0	42	450	<10
1997	38002350	5	120	108	164	8.8	1.5	52	490	<10
1997	38002450	5	13	30	62	2.4	0.5	28	240	<10
1997	38002550	5	38	118	104	3.6	<0.5	244	550	<10
1997	38002650	5	58	130	156	3.4	<0.5	48	450	<10
1997	38002750	5	59	120	198	4.0	0.5	100	510	<10
1997	38002850	5	58	130	60	4.4	0.5	94	480	<10
1997	38002950	5	48	82	124	1.0	<0.5	60	210	<10
1997	38003050	110	39	74	184	2.8	0.5	54	230	<10
1997	38003150	5	61	108	168	2.2	0.5	82	470	<10
1997	38003250	10	82	374	300	7.6	0.5	298	800	<10
1997	38003350	5	55	500	158	9.8	2.0	180	770	<10
1997	38003450	5	32	90	112	7.2	1.0	34	280	<10
1997	38003550	5	37	188	118	6.6	1.5	48	790	<10
1997	38003650	5	33	108	158	4.8	1.0	34	740	<10
1997	38003750	5	49	170	148	8.4	0.5	64	840	<10
1997	38003850	5	22	52	44	1.8	<0.5	14	180	<10
1997	38003950	5	58	38	128	1.4	<0.5	36	160	<10
1997	38004050	5	68	378	268	8.2	8.0	118	1040	<10
1997	38004150	5	119	344	268	8.8	2.5	68	1140	<10
1997	38004250	5	38	278	132	4.4	0.5	62	990	<10
1997	38004350	5	49	222	200	7.0	2.5	48	940	<10
1997	38004450	110	83	252	438	10.4	3.0	80	730	<10
1997	38004550	10	58	74	370	10.8	2.5	22	1320	<10
1997	38004650	5	18	98	58	2.2	0.5	28	390	<10

AVERAGE VALUES 5 54 165 180 6.3 1.2 67 609 0

TODD CREEK PROPERTY  
MAP 7F  
AMARILLO ZONE - BARITE CREEK  
DETAILED SOIL GRID: GEOCHEMICAL SURVEY  
Cd ppm

- 104 2000 soil sample analysis (Cd ppm)
- 159 1997 soil sample analysis (Cd ppm)
- NS no sample material available
- DDHAM00-05 proposed diamond drill hole collar location
- ~ 1.0 ~ contour of geochemical analyses (Cd ppm)
- ZONE 1 zone of baritized rock

Scale 1:500  
26,485  
Geofine Exploration Consultants Ltd. November 2000

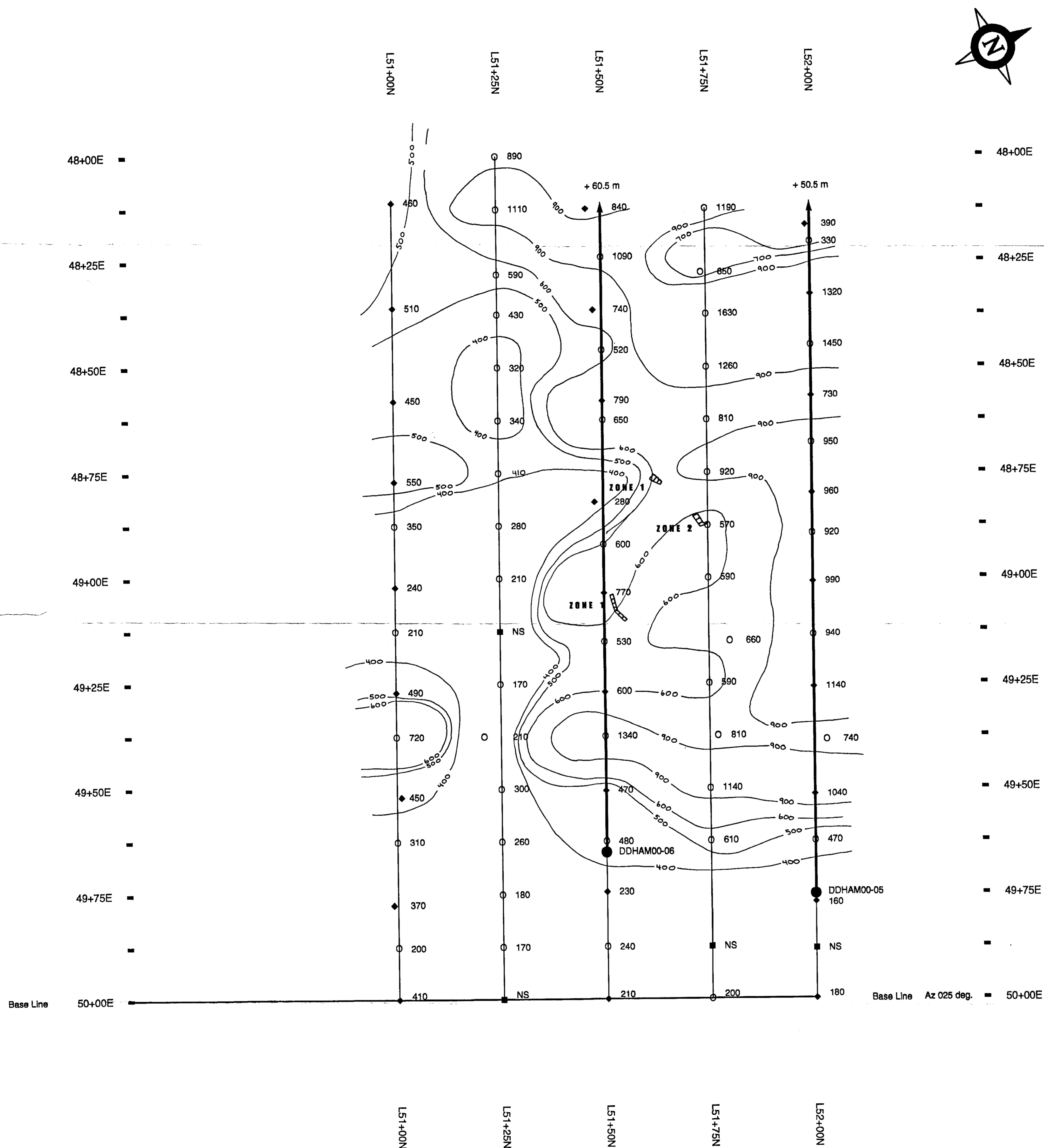


TABLE AMARSO-ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED ON AMARILLO GRID - BARITE CREEK  
DETAILED SOIL GRID: 1997, 2000 SAMPLES

YEAR	SAMP NO	AU ppm	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
2000	88871250	-5	30	158	178	6.8	-0.5	38	890	<10
2000	88871350	-5	20	102	108	9.4	-0.5	44	1110	<10
2000	88871150	-5	71	258	358	9.2	1.0	84	500	<10
2000	88871450	-5	144	82	214	23.2	1.0	58	430	<10
2000	88871050	-5	91	132	142	7.0	-0.5	86	320	<10
2000	88871950	-5	54	128	104	8.8	-0.5	42	340	<10
2000	88871850	-5	73	178	288	5.8	1.0	78	410	<10
2000	88871750	-5	30	50	118	3.4	-0.5	48	280	<10
2000	88872150	-5	20	118	138	4.8	-0.5	48	210	<10
2000	88872250	5	71	178	94	10.0	-0.8	58	170	<10
2000	88872350	-5	51	54	148	2.8	-0.5	50	210	<10
2000	88872450	-5	38	44	84	6.8	0.5	28	300	<10
2000	88873250	-5	37	80	258	7.8	-0.8	50	280	<10
2000	88888850	5	28	58	128	7.0	-0.5	28	180	<10
2000	88888750	10	38	212	2.8	0.5	58	170	<10	
2000	88888650	-5	95	508	238	4.8	1.5	32	200	<10
2000	88888550	-5	9	48	82	4.0	-0.5	28	310	<10
2000	88888450	16	142	188	148	14.8	2.0	122	720	<10
2000	88888350	-5	81	82	114	10.2	-0.5	54	210	<10
2000	88888250	5	52	80	90	4.8	-0.5	52	350	<10
2000	88873450	-5	48	100	304	5.4	1.0	64	1190	<10
2000	88873550	5	42	180	164	6.0	0.5	58	850	<10
2000	88873650	-5	42	148	168	3.0	-0.5	62	1630	<10
2000	88873750	-5	78	278	368	6.4	8.0	64	1260	<10
2000	88873850	-5	43	202	222	8.8	1.5	60	810	<10
2000	88873950	-5	33	210	132	7.0	1.0	48	920	<10
2000	88874050	-5	30	30	54	7.8	-0.5	24	570	<10
2000	88874150	-5	39	238	110	8.4	0.5	88	590	<10
2000	88874250	-5	53	148	232	4.0	1.0	98	960	<10
2000	88874350	-5	87	308	208	11.4	1.0	118	960	<10
2000	88874450	-5	89	352	224	10.4	2.0	148	810	<10
2000	88874550	-5	191	414	458	8.2	8.0	168	1140	<10
2000	88874650	-5	134	324	368	7.8	3.5	198	610	<10
2000	88874750	-5	22	32	40	1.8	-0.5	28	200	<10
2000	88874850	-5	31	68	84	8.2	-0.5	28	240	<10
2000	88874950	-5	52	80	230	2.4	3.5	60	480	<10
2000	88875050	-5	84	118	230	2.2	0.5	68	1340	<10
2000	88875150	-5	31	182	104	8.0	-0.5	118	530	<10
2000	88875250	-5	15	118	58	8.4	-0.8	22	800	<10
2000	88875350	-5	79	238	344	3.0	4.0	130	850	<10
2000	88875450	-5	31	110	78	6.2	-0.5	24	520	<10
2000	88875550	-5	108	384	348	9.8	8.8	48	1090	<10
2000	88875650	-5	75	288	218	8.8	-0.5	154	470	<10
2000	88875750	-5	54	200	158	9.8	1.5	58	740	<10
2000	88875850	-5	28	198	108	5.4	0.5	44	840	<10
2000	88875950	-5	29	208	150	5.0	0.8	48	920	<10
2000	88876050	-5	28	110	100	6.2	0.5	30	960	<10
2000	88876150	-5	55	182	272	5.4	3.5	62	1450	<10
2000	88876250	-5	14	34	70	1.4	-0.5	18	330	<10
1997	38002050	-5	30	120	178	3.2	4.5	32	410	<10
1997	38008550	-5	30	68	368	2.8	3.0	48	370	<10
1997	38006450	-5	41	58	228	9.2	3.0	32	450	<10
1997	38008350	-5	120	198	154	8.6	1.5	52	490	<10
1997	38008250	-5	13	30	82	2.4	0.5	28	240	<10
1997	38008150	-5	38	118	104	3.8	-0.5	244	550	<10
1997	38008050	-5	59	120	156	3.4	0.5	48	450	<10
1997	38005550	-5	59	120	198	4.0	0.5	100	510	<10
1997	38005450	-5	98	130	80	4.4	1.5	84	460	<10
1997	38004050	5	88	92	124	1.0	-0.5	80	210	<10
1997	38002150	110	39	74	194	2.8	0.5	54	230	<10
1997	38002250	5	51	108	168	2.2	0.5	62	470	<10
1997	38002350	10	92	374	300	7.8	0.5	288	800	<10
1997	38002450	-5	55	500	158	9.8	2.0	160	770	<10
1997	38006150	-5	22	90	112	7.2	1.0	34	280	<10
1997	38005350	-5	37	188	118	5.8	1.5	46	790	<10
1997	38005350	-5	33	108	198	4.8	1.0	34	740	<10
1997	38005450	-5	49	170	148	6.4	0.5	64	840	<10
1997	38003850	-5	22	52	44	1.8	-0.5	14	180	<10
1997	38003550	5	58	98	128	1.4	-0.5	38	160	<10
1997	38002950	5	68	378	268	8.2	8.0	118	1040	<10
1997	38002750	5	119	344	268	8.8	2.5	88	1140	<10
1997	38002950	-5	36	278	132	4.4	0.5	62	960	<10
1997	38003050	-5	49	222	260	7.0	2.5	48	960	<10
1997	38003150	110	93	252	438	10.4	3.0	80	730	<10
1997	38003350	10	58	74	370	10.8	2.8	22	1330	<10
1997	38003450	5	18	98	58	2.2	0.5	28	380	<10

AVERAGE VALUES 5 84 165 180 6.3 1.2 67 609 0

**TODD CREEK PROPERTY  
MAP 7G**

**AMARILLO ZONE - BARITE CREEK  
DETAILED SOIL GRID: GEOCHEMICAL SURVEY**  
Ba ppm

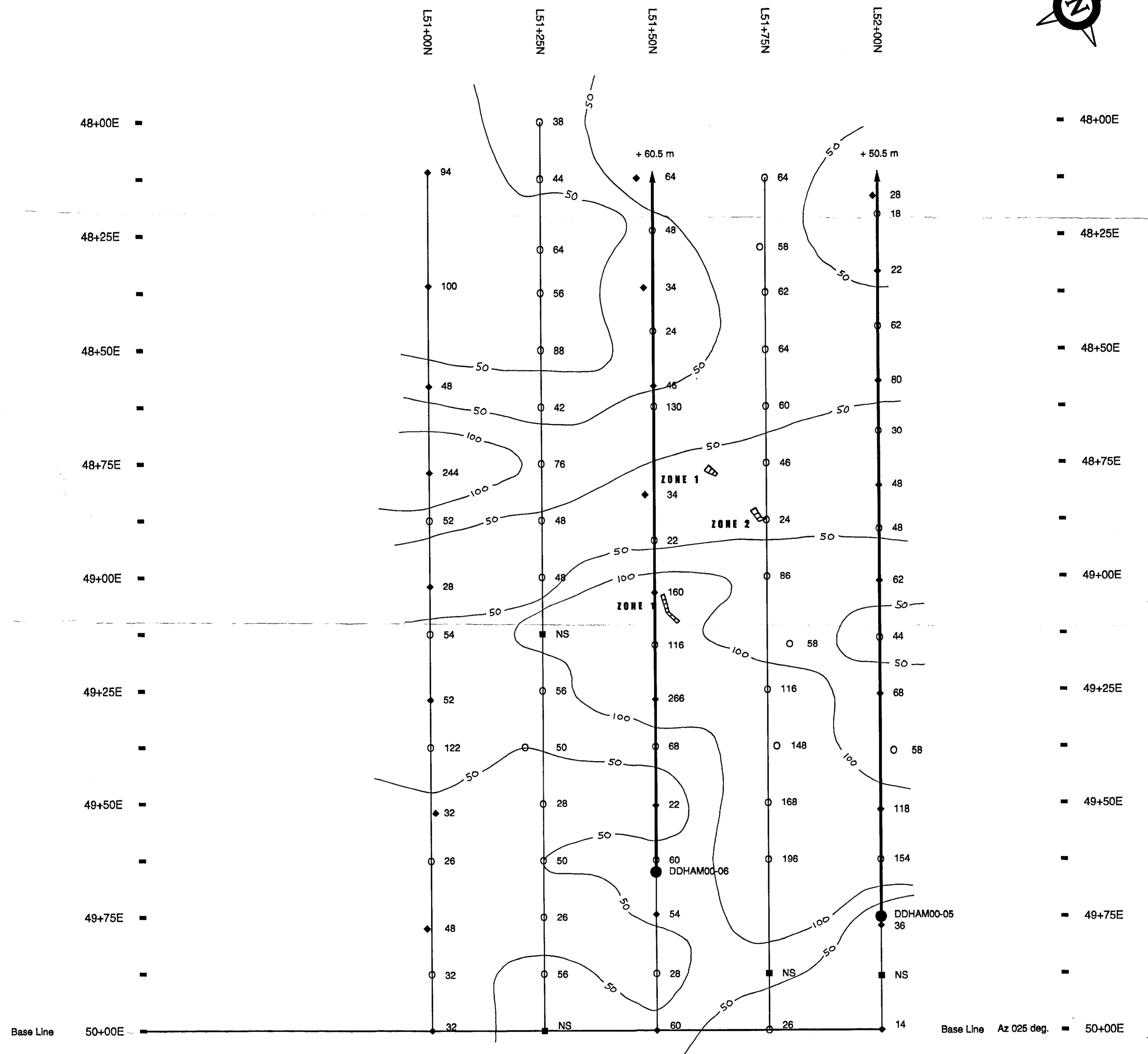
- 104      2000 soil sample analysis (Ba ppm)
- 159      1997 soil sample analysis (Ba ppm)
- NS      no sample material available
- DDHAM00-05      proposed diamond drill hole collar location
- ~400~      contour of geochemical analyses (Ba ppm)
- ZONE 1      zone of baritized rock

Scale 1:500  
**26,485**  
Geofine Exploration Consultants Ltd.      November 2000



TABLE AMARILLO-ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED ON AMARILLO GRID - BARITE CREEK  
DETAILED SOIL GRID: 1997, 2000 SAMPLES

YEAR	SAMP NO	AU	CU	PB	ZN	AG	CD	AS	BA	W
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
2000	68671280	<5	30	188	178	6.8	<0.5	38	890	<10
2000	68671380	<5	20	102	108	8.4	<0.5	44	1110	<10
2000	68671180	<5	71	288	388	8.2	1.0	64	580	<10
2000	68671880	<5	144	82	214	23.2	1.0	58	430	<10
2000	68671080	<5	91	132	142	7.0	<0.5	88	320	<10
2000	68671580	<5	34	128	158	8.8	<0.5	42	340	<10
2000	68671680	<5	73	178	288	5.8	1.0	76	410	<10
2000	68671780	<5	30	50	118	3.4	<0.5	48	280	<10
2000	68671980	<5	28	44	84	6.8	<0.5	28	300	<10
2000	68672180	<5	71	178	84	10.0	<0.5	58	170	<10
2000	68672380	<5	51	54	148	2.8	<0.5	50	210	<10
2000	68672480	<5	29	44	84	6.8	<0.5	28	300	<10
2000	68672580	<5	37	60	258	7.8	<0.5	60	280	<10
2000	68688880	<5	28	58	128	7.0	<0.5	28	180	<10
2000	68688980	<5	38	94	212	2.8	0.5	56	170	<10
2000	68689080	<5	55	508	238	4.8	1.5	32	200	<10
2000	68689180	<5	9	48	82	4.0	<0.5	28	310	<10
2000	68689280	<5	142	188	148	14.8	2.0	122	700	<10
2000	68689380	<5	81	82	114	10.2	<0.5	54	210	<10
2000	68689480	<5	52	80	164	4.8	<0.5	52	300	<10
2000	68689580	<5	48	120	304	8.4	1.0	84	1180	<10
2000	68689680	<5	42	180	164	5.0	0.5	58	850	<10
2000	68689780	<5	42	148	164	3.0	<0.5	82	1630	<10
2000	68689880	<5	18	278	258	8.4	8.0	64	1280	<10
2000	68689980	<5	43	202	222	8.8	1.5	80	810	<10
2000	68690080	<5	33	218	132	7.0	1.0	48	820	<10
2000	68690180	<5	30	130	84	7.8	<0.5	24	570	<10
2000	68690280	<5	39	238	110	8.4	0.5	88	890	<10
2000	68690380	<5	83	148	232	4.0	1.0	58	880	<10
2000	68690480	<5	67	308	208	11.4	1.0	118	890	<10
2000	68690580	<5	69	352	224	10.4	2.0	148	810	<10
2000	68690680	<5	191	414	408	8.2	8.0	168	1140	<10
2000	68690780	<5	134	324	308	7.8	3.5	198	810	<10
2000	68690880	<5	22	32	40	1.8	<0.5	28	200	<10
2000	68690980	<5	31	88	84	8.2	<0.5	28	340	<10
2000	68691080	<5	64	118	230	2.2	0.5	88	1340	<10
2000	68691180	<5	31	182	104	8.0	<0.5	118	530	<10
2000	68691280	<5	15	118	58	8.4	<0.5	22	800	<10
2000	68691380	<5	79	238	344	3.0	4.0	130	850	<10
2000	68691480	<5	110	78	82	<0.5	2.4	520	<10	
2000	68691580	<5	108	384	348	9.8	8.8	48	1080	<10
2000	68691680	<5	75	288	218	8.8	<0.5	154	470	<10
2000	68691780	<5	54	280	188	8.8	1.5	58	740	<10
2000	68691880	<5	28	198	108	5.4	0.5	44	840	<10
2000	68691980	<5	29	208	150	5.0	0.5	48	820	<10
2000	68692080	<5	28	110	120	8.2	0.5	30	850	<10
2000	68692180	<5	55	182	272	5.4	3.5	62	1450	<10
2000	68692280	<5	14	34	70	1.4	<0.5	18	330	<10
1997	38004280	<5	30	120	178	3.2	<0.5	32	410	<10
1997	38004380	<5	30	68	368	2.8	3.0	48	370	<10
1997	38004480	<5	41	58	228	9.2	3.0	32	850	<10
1997	38004580	<5	120	108	154	8.8	1.5	52	890	<10
1997	38004680	<5	13	30	62	2.4	0.5	28	240	<10
1997	38004780	<5	38	118	104	3.8	<0.5	244	520	<10
1997	38004880	<5	59	120	158	3.4	0.5	48	450	<10
1997	38004980	<5	59	120	198	4.0	0.5	100	510	<10
1997	38005080	<5	58	130	80	4.4	0.5	84	480	<10
1997	38005180	<5	88	92	124	1.0	<0.5	80	210	<10
1997	38005280	110	38	74	154	2.8	0.5	54	230	<10
1997	38005380	5	81	108	168	2.2	0.5	82	470	<10
1997	38005480	10	82	314	300	7.8	0.5	298	800	<10
1997	38005580	<5	88	500	158	9.8	2.0	180	770	<10
1997	38005680	<5	32	90	112	7.2	1.0	34	280	<10
1997	38005780	<5	37	188	118	6.8	1.8	48	730	<10
1997	38005880	<5	33	108	158	4.8	1.0	34	740	<10
1997	38005980	<5	48	170	148	6.4	0.5	64	840	<10
1997	38006080	<5	22	52	44	1.8	<0.5	14	180	<10
1997	38006180	5	58	88	128	1.4	<0.5	38	180	<10
1997	38006280	5	58	378	258	8.2	5.0	118	1040	<10
1997	38006380	5	119	344	268	8.8	2.8	88	1140	<10
1997	38006480	<5	38	278	132	4.4	0.5	82	980	<10
1997	38006580	<5	48	232	280	7.0	2.8	48	980	<10
1997	38006680	110	83	252	438	10.4	3.0	80	730	<10
1997	38006780	10	58	74	370	10.8	2.8	22	1320	<10
1997	38006880	5	18	98	58	2.2	0.5	28	390	<10
AVERAGE VALUES		5	54	165	180	6.3	1.2	87	808	0



**TODD CREEK PROPERTY  
MAP 7H**

**AMARILLO ZONE - BARITE CREEK  
DETAILED SOIL GRID: GEOCHEMICAL SURVEY  
As ppm**

- 104 2000 soil sample analysis (As ppm)
- 159 1997 soil sample analysis (As ppm)
- NS no sample material available
- DDHAM00-05 proposed diamond drill hole collar location
- 100 contour of geochemical analyses (As ppm)
- ZONE 1 zone of Barite Creek

Scale 1:500  
Geofine Exploration Consultants Ltd. 26/185 November 2005