APPENDIX B

LIST OF MAPS:

MAP 1
TODD CREEK PROPERTY
CLAIM MAP
Skeena Mining Division
104A04E, 104A04W, 104A05E, 104A05W
MF107 Minfile Number (BC Govt. Mineral Records)
METRES
500 0 500 1000 1500 2000
ORIGINAL PRODUCED AT 1:31680
GEOFINE EXPLORATION CONSULTANTS LTD.
Nov. 2004
MINERAL TENURE
MINERAL CLAIM
MINERAL LEASE
INDUSTRIAL MINERAL CLAIM
CLAIM NAME EXAMPLE
TITLE NUMBER 345679
OLD TITLE NUMBER "3456"
TAG NUMBER 100000
LEGAL POST
WITNESS POST wp
FORFEITED TENURE
VERIFIED VER
SURVEYED SUR
REVERTED C.G. MINERAL CLAIM REV CG OR RCG
CROWN GRANTED CG
OPEN FOR STAKING O.F.S.
1 UNIT 1640.42 ft 25 ha 61.78 ac 500 m
2 POST CLAIM 1640.42 ft 25 ha 61.78 ac 500 m
OLD 2 POST CLAIM 1500 ft 20.90 ha 51.65 ac 457.2 m
THIS MAP IS PREPARED ONLY AS A GUIDE TO THE LOCATION OF MINERAL TENURE AS AS SHOWN ON THE LOCATOR◊S SKETCHES. FOR CURRENT OR MORE SPECIFIC INFORMATION, APPLICATION SHOULD BE MADE TO THE MINING DIVISION CONCERNED.
104A05W 104A05E 104A06W
104A04W 104A04E 104A03W
103P13W 103P13E 103P14W
INDEX TO ADJOINING MAPS
PROFESSIONAL GEOSCIENTIST
DAVID E. MOLLOY
PRACTISING MEMBER
0817
ONTARIO
David E. Molloy
P. Geo
PAT 20 354781 4NX5E
PAT 21 354782 4SX5E
PAT 22 355287 3NX5E
PAT 24 355288 1SX5E
PAT 23 354784 4SX5E
TODD 7 325170 5NX4W
TODD 8 325171 5SX4W
PAT 5 329970 5NX4W
TODD 2 325165 5NX4E (230149)
TODD 3 325166 5SX4E (230150)
PAT 4 329969 5SX4W
TODD 1 325164 5NX4W
TODD 5 325168 5NX4W
TODD 6 325169 5SX4W
TODD 4 325167 5SX4W
TODD 12
TODD 13 354785 6NX2W
TODD 11 325174 5SX4W
325175
BENJI 8 378752 5NX4E (239519)
BENJI 9 378753 5SX4E (239520)
BENJI 10 378754 5SX4W
BENJI 11 379525 2NX6E
BENJI 12 2SX6E
MF102
MF103
MF104
MF105
MF106
MF107
MF108
MF109
MF110
MF111
MF154
MF001
AMARILLO ZONE
NORTH ZONES
FALL CREEK ZONE
YELLOW BOWL ZONE
NEXT ZONE
MEXT ZONE
SOUTH ZONE
MYLONITE ZONE
Todd Creek
401952 MYSTERY 5N4W
401951 DISCOVERY 5N4E
FR 16 407576
FR 17 407577
FR 18 407578
FR19 407579
FR 20 407581
FR21 407580
FR 5 396851 3NX4E
FR 4 394238
FR 7 396853
FR 1 355258 5SX3W
FR #2 372675 5SX4E
DAVE 9 408301
DAVE 11 408307 4SX5E
DAVE 13 408309 4NX5E
DAVE 15 408311
JUGGLER 5NX4E 402092
MT JOHNSON
MT. PATTULLO
GLACIER
SNOW
Ice Falls
BC 2183
B.C 2184
RC 5504
TERMINUS
DELTA 401950
401949
DOC #3 254486 *9281* 4NX3W
301057
BIG RED 1
BIG RED 2
407213
407214
RADICAL 398823
COMET 334672 2SX2W
EUREKA 1
ELDORADO
Cullen Cr.

Square: Grid North
Star: True North
Arrow: Magnetic North

Angles presented are approximate mean deviations for centre of NTS sheet. Use diagram for reference only.

Grid North - True North : 0.6°
Grid North - Magnetic North : 28.2°
Annual change : -0.05°

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 60m 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.

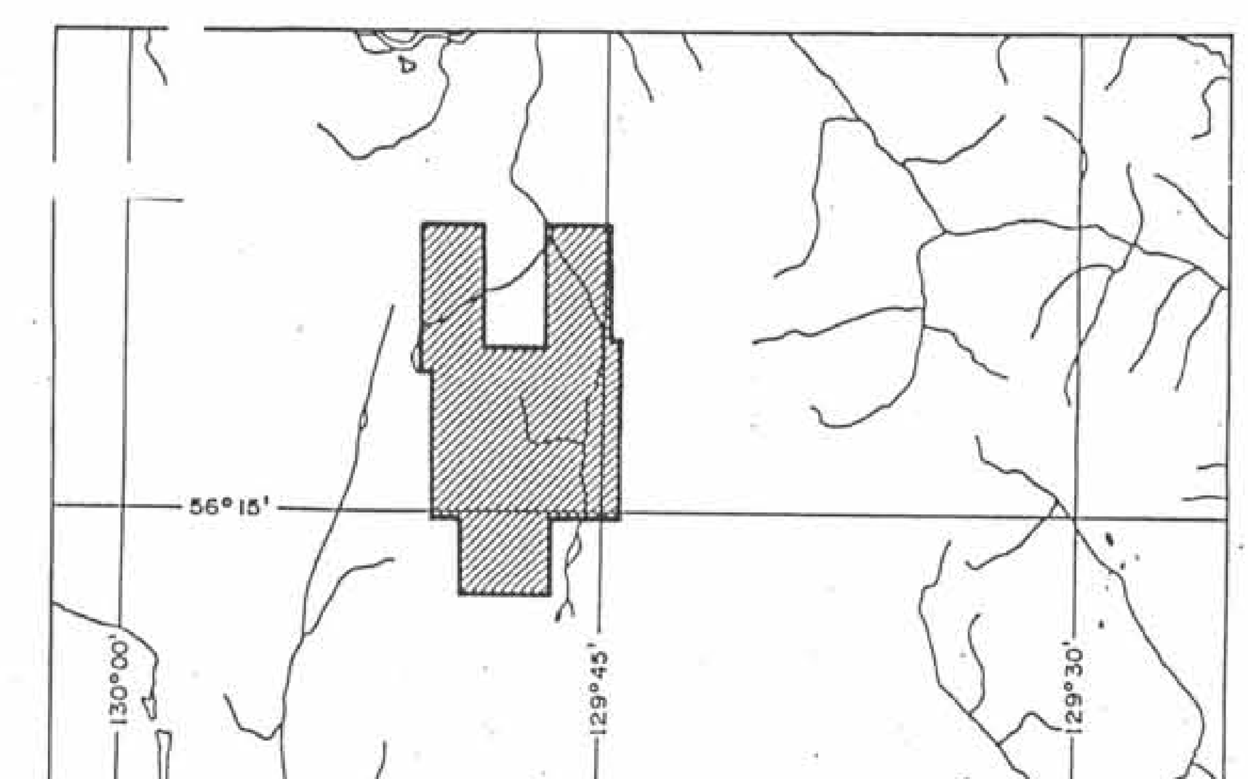
Calculation of conductance is based on the response of the 4600 Hz coaxial data, and forms the basis for anomaly classification.

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
Possible fault structure



GEOFINE EXPLORATION CONSULTANTS LTD.

INTERPRETATION

TODD CREEK PROPERTY

MAP 2

SCALE 1:20 000

500 0 200 400 1000 2000 metres

PROFESSIONAL GEOSCIENTIST DAVID E. MOLLOY PRACTISING MEMBER 0817

David E Molloy P.Geo

27792

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT

GEONEX AERODAT

Date Flown : AUG 1994
NTS : 104 A/4,5
Project : J9440
Map Ref : 1 - 2

REV. Nov 2004

N

PAT 20

VIRGINIA CREEK TARGET AREA

NORTHEAST TARGET AREA

TODD 7

VIRGINA CREEK

TODD CREEK

ORANGE MOUNTAIN TARGET AREA

PAT 23

TODD 5

TODD

< Amarillo Zone

EAST TARGET AREA

AMERICAN CREEK

FALL CREEK

FALL CREEK TARGET AREA

< North Zone

< Fall Creek Zone

< Knob Zone

SOUTH ZONE TARGET AREA

MID ZONE TARGET AREA

< SZS

TODD 4

PAT 4

Yellow Bowl Zone >

TODD 13

< NEXT Zone

< MEXT Zone

< South Zone Deposit

TODD 11

< South Zone Deposit Ext.

< SZS

Benji 11

Benji 9

< Mylonite Zone

PROFESSIONAL GEOSCIENTIST
DAVID E. MOLLOY
PRACTISING MEMBER
0807
ONTARIO

GEOLOGY BRANCH
ASSESSMENT REPORT

Douglas Molloy P.Geo.

27,792

TODD CREEK PROPERTY

MAP 1

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

REV. Nov 2004

TABLE A2RAR: i> 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
WRC	760432RT	210	7460	40	24	1.4	<0.5	268	10	<10
WRC	760433RT	60	403	26	34	<0.2	<0.5	4	100	<10
WRC	760434RF	<30	158	18	10	0.2	<0.5	376	10	<10

TABLE A1RAR: i> ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED IN AREA OF POSTULATED SOUTHERN EXTENSION OF SOUTH ZONE STRUCTURE (SZS) - SOUTH ZONE TO MYLONITE ZONE

REFTDOO3

MIN. TYPE	SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
CTB	760440RC	<30	17	32	62	0.2	0.5	<2	910	<10
SPEC	760444RC	60	21	80	54	0.8	<0.5	<2	250	<10

TABLE A1SS: i> ANALYTICAL RESULTS FROM STREAM SEDIMENT SAMPLES COLLECTED IN AREA OF POSTULATED SOUTHERN EXTENSION OF SZS - SOUTH ZONE TO MYLONITE ZONE

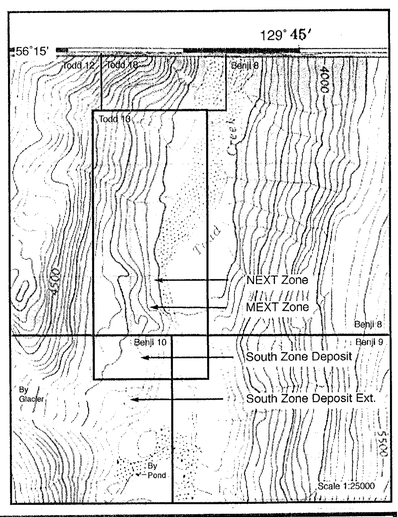
REF TDOO3

SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
760441SS	<30	16	10	64	<0.2	0.5	30	270	<10
760443SS	<30	16	10	62	<0.2	0.5	18	210	<10

TABLE A1SO: i> ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED IN AREA OF POSTULATED SOUTHERN EXTENSION OF SZS - SOUTH ZONE TO MYLONITE ZONE

REF TDOO2

SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
760442SO	<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 chalcoprite veins, stringers, stockworks often with malachite
CT, 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
PY CTB	pyritized crystal tuff i.e., Knob Zone mineralization
SCHIST	chlorite, 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	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

SYMBOLS

BL10000E	historic Noranda Base Line (1987)
BL 9950E	new south zone Base Line (1999/2000)
x 760433	rock sample location and number
0 760432	soil sample location and number
□ or ⊢	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
T / GF	boundary, surficial debris
H2 / H3	geological or mineralogical bondaries
	mineralization boundaries
	proposed drill hole
	historic drill hole (Noranda)
NTC	
	slump 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-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

Scale 1:1000

Geofine Exploration Consultants Ltd. November 2000

DAVID E. MOLLOY PRACTISING MEMBER 0817 PROFESSIONAL GEOSCIENTISTS ONTARIO

David E Molloy P. Geo.

TABLE A4RAR: I> ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED ON CLIFF ABOVE C LINE:
WEST OF MEXT ZONE TO NEXT ZONE REF TDO05

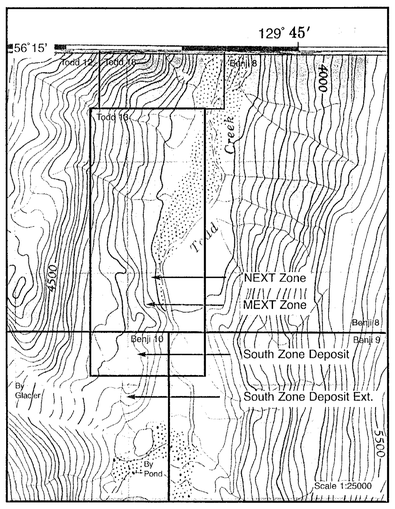
MIN. TYPE	SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
SM	760356RC	<5	20	<2	52	0.2	<0.5	6	30	<10
HW TB	760362RC	<5	63	12	14	0.6	<0.5	8	50	<10
HW TB	760364RC	<5	11	6	10	0.2	<0.5	6	50	<10
M	760365RTC	9450	28500	<2	2	4.2	<0.5	570	30	40
M	760366RTC	2600	7510	<2	36	3.6	<0.5	1305	<10	30
M	760367RT	190	22300	<2	38	2.2	<0.5	252	<10	10
M	760368RT	4430	1245	<2	14	<0.2	<0.5	16	620	<10
SMB	760369RT	30	423	26	40	1.0	<0.5	818	10	10
M	760370RT	180	381	<2	34	0.2	<0.5	374	30	40
WRC	760371RT	2080	1254	<2	18	0.2	<0.5	60	130	<10
CHL SCH	760385RC	35	843	<2	64	0.8	<0.5	40	10	10
CT	760390R	<5	47	<2	76	<0.2	<0.5	2	240	<10
SER SCH	760391RT	<5	28	8	12	<0.2	<0.5	14.0	50.0	<10
SPEC	760403RC	55	609	12	98	0.6	<0.5	122	50	30
SPEC	760499R	2310	166	<2	10	<0.2	<0.5	10	230	120

TABLE A4SSAR: I> ANALYTICAL RESULTS FOR STREAM SEDIMENT SAMPLES COLLECTED ABOVE CLIFF IN AREA OF MEXT, NEXT ZONES: REF TDO07

SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
760351SS	<5	19	2	42	<0.2	<0.5	56	460	<10
760352SS	20	20	16	142	<0.2	<0.5	70	270	<10
760353SS	<5	22	16	118	<0.2	<0.5	18	300	<10
760354SS	<10	22	20	134	<0.2	<0.5	18	310	<10
760357SS	<5	18	16	108	<0.2	<0.5	16	520	<10
760358SS	<5	22	28	138	<0.2	<0.5	18	210	<10
760359SS	<5	21	24	92	<0.2	<0.5	12	300	<10
760360SS	<5	22	36	82	<0.2	<0.5	14	360	<10
760361SS	<10	22	16	108	<0.2	0.5	12	300	<10
760363SS	<5	42	18	82	<0.2	<0.5	18	330	<10
760372SS	10	38	6	58	<0.2	<0.5	12	350	<10
760373SS	<5	46	8	58	<0.2	<0.5	8	1780	<10
760381SS	5	23	8	96	<0.2	<0.5	12	350	<10
760382SS	<5	<1	<2	8	<0.2	<0.5	4	1230	<10
760383SS	10	29	10	70	0.2	<0.5	6	170	<10
760384SS	5	32	14	164	<0.2	<0.5	28	1010	<10
760387SS	25	18	48	82	<0.2	<0.5	116	840	<10
760388SS	<5	12	<2	94	0.8	<0.5	36	3560	<10
760389SS	<5	35	<2	148	1.2	<0.5	50	3900	<10

TABLE A4SO: > ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED ABOVE CLIFF IN AREA OF NEXT, MEXT ZONES: REF TDO07

SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
760355SO	30	28	20	106	<0.2	<0.5	20	110	<10
760386SO	<5	37	6	90	<0.2	<0.5	10	1010	<10
760392SO	10	13	60	24	0.2	<0.5	38	310	<10
760393SO	<5	27	6	54	<0.2	<0.5	10	230	<10
760394SO	<5	27	<2	60	<0.2	<0.5	10	270	<10
760401SO	125	1065	36	10	0.2	<0.5	544	120	<10
760404SO	55	228	8	36	<0.2	<0.5	70	280	<10
760405SO	335	961	76	8	2.0	<0.5	984	130	<10



ABBREVIATIONS

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

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 chalcoprite veins, stringers, stockworks often with malachite
CT, 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
PY CTB	pyritized crystal tuff i.e., Knob Zone mineralization
SCHIST	chlorite, 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

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-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

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
□ or ⊢	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
T / GF	boundary, surficial debris
H2 / H3	geological or mineralogical bondaries
	mineralization boundaries
	proposed drill hole
	historic drill hole (Noranda)
NTC	slump zone
	2004 Diamond Drill Hole DDHSZD04-01
	Proposed 2004 Diamond Drill Hole DDHMEXT04-01

TODD CREEK PROPERTY
MAP 4

SOUTH ZONE DEPOSIT AND NORTHERN EXTENSIONS:
MEXT AND NEXT ZONES
GEOLOGICAL & GEOCHEMICAL SURVEYS

Scale 1:1000

Rev: Nov 2004
November 2000

Geofine Exploration Consultants Ltd.

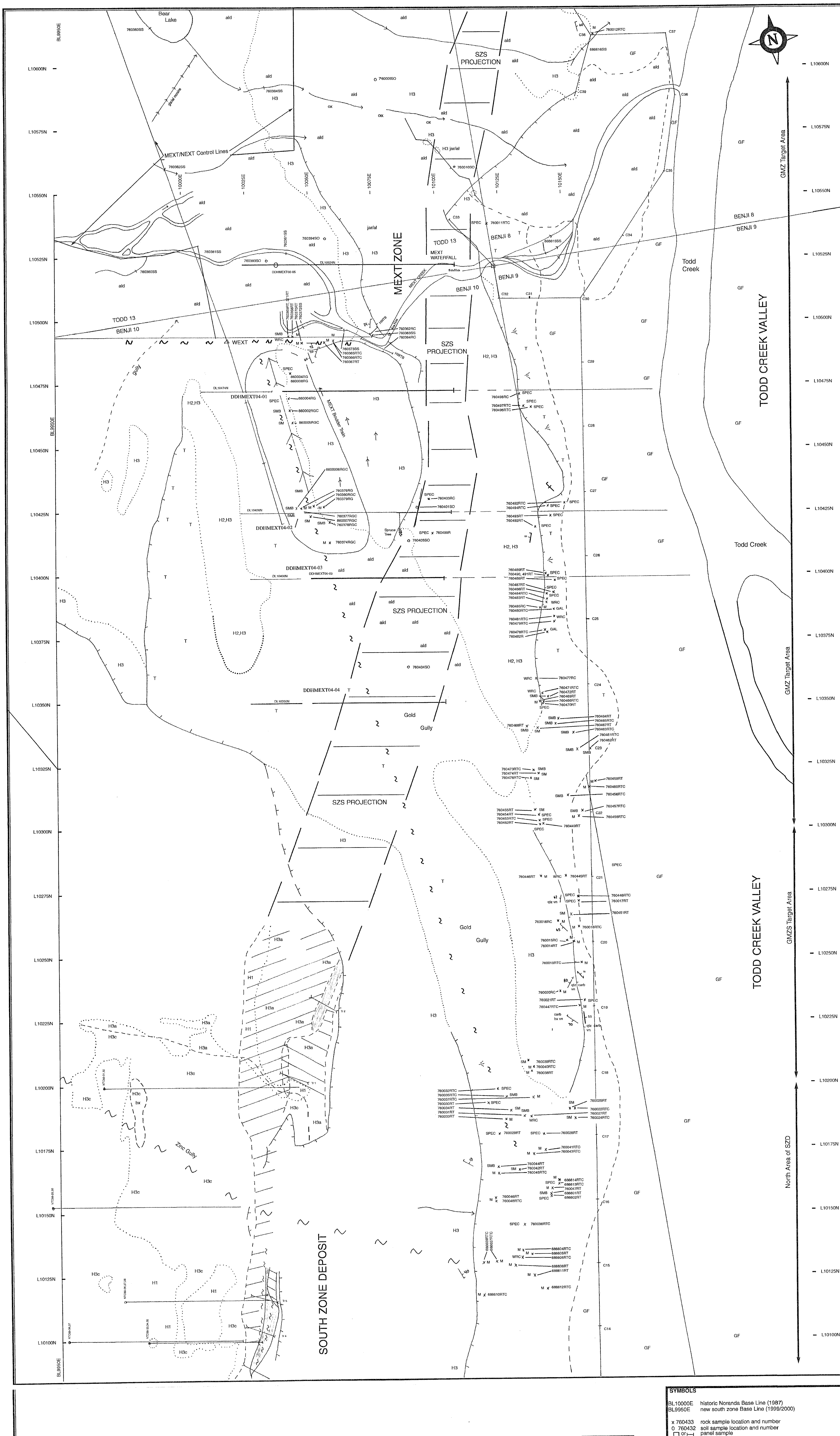


TABLE A4RAR: ii> ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED ON CLIFF ABOVE C LINE: WEST OF MEXT ZONE TO NEXT ZONE

REF TDOO5

MIN. TYPE	SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
SM	760356RC	<5	20	<2	52	0.2	<0.5	6	30	<10
HW TB	760362RC	<5	63	12	14	0.6	<0.5	8	50	<10
HW TB	760364RC	<5	11	6	10	0.2	<0.5	6	50	<10
M	760365RTC	9430	28500	<2	2	4.2	<0.5	370	30	40
M	760366RTC	2690	7510	<2	36	3.6	<0.5	1305	<10	30
M	760367RT	190	22300	<2	38	2.2	<0.5	252	<10	10
M	760368RT	4430	1245	<2	14	<0.2	<0.5	16	620	<10
SMB	760369RT	30	423	26	40	1.0	<0.5	818	10	10
M	760370RT	180	381	<2	34	0.2	<0.5	374	30	40
WRC	760371RT	2080	1254	<2	18	0.2	<0.5	60	130	<10
CHL SCH	760385RC	35	843	<2	64	0.8	<0.5	40	10	10
CT	760390R	<5	47	<2	76	<0.2	<0.5	2	240	<10
SER SCH	760391RT	<5	28	8	12	<0.2	<0.5	14.0	50.0	<10
SPEC	760403RC	55	609	12	98	0.6	<0.5	122	50	30
SPEC	760499R	2310	166	<2	10	<0.2	<0.5	10	230	120

TABLE A4RAR: i> ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED ON CLIFF ABOVE C LINE: FROM BOULDER TRAIN SOUTHWEST OF MEXT ZONE & RESULTS USING 1000 PPB AU CUTOFF

REFTDOO3

MIN. TYPE	SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
M	760374RGC	1615	14100	<2	32	2.4	<0.5	844	10	50
M	760376RG	345	3320	<2	22	0.4	<0.5	126	30	10
SMB	760377RGC	470	1265	<2	26	0.6	<0.5	386	10	20
SMB	760378RGC	8560	17800	<2	<2	3.6	<0.5	556	10	40
M	760379RG	580	4320	<2	18	0.4	<0.5	92	80	10
M	760380RGC	4430	9820	<2	14	2.0	<0.5	246	30	100
SMB	860002RGC	2910	4420	14	22	1.0	<0.5	380	10	10
SPEC	860003RG	<30	48	6	<2	<0.2	<0.5	2	100	<10
SPEC	860004RG	180	223	2	34	<0.2	<0.5	66	60	<10
SM	860005RGC	2940	33600	118	36	7.2	<0.5	1520	<10	<10
SMB	860006RGC	5760	32900	28	<2	5.4	<0.5	302	10	<10
SPEC	860007RGC	3080	4020	42	14	2.4	<0.5	1500	10	<10
SPEC	860008RG	<30	74	2	6	<0.2	<0.5	<2	440	<10
AVERAGE VALUES (13 SAMPLES)		2373	9685	16	17	2.0	0.0	463	62	19

TABLE A4SSAR: ii> 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
760351SS	<5	19	2	42	<0.2	<0.5	56	460	<10
760352SS	20	29	16	142	<0.2	<0.5	70	270	<10
760353SS	<5	22	16	118	<0.2	<0.5	18	300	<10
760354SS	<10	22	20	134	<0.2	<0.5	18	310	<10
760357SS	<5	18	16	106	<0.2	<0.5	16	520	<10
760358SS	<5	22	28	136	<0.2	<0.5	18	210	<10
760359SS	<5	21	24	92	<0.2	<0.5	12	300	<10
760360SS	<5	22	36	82	<0.2	<0.5	14	360	<10
760361SS	<10	22	16	108	<0.2	0.5	12	300	<10
760363SS	<5	42	18	82	<0.2	<0.5	18	330	<10
760372SS	10	38	6	58	<0.2	<0.5	12	350	<10
760373SS	<5	46	8	58	<0.2	<0.5	8	1780	<10
760381SS	5	23	8	96	<0.2	<0.5	12	350	<10
760382SS	<5	<1	<2	8	<0.2	<0.5	4	1230	<10
760383SS	10	29	10	70	0.2	<0.5	6	170	<10
760384SS	5	32	14	164	<0.2	<0.5	28	1010	<10
760387SS	25	18	48	82	<0.2	<0.5	116	840	<10
760388SS	<5	12	<2	94	0.8	<0.5	36	3580	<10
760389SS	<5	35	<2	148	1.2	<0.5	50	3900	<10

TABLE A3RAR: ii> ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED ALONG C LINE: SOUTH ZONE DEPOSIT TO MEXT ZONE TO BEYOND NEXT ZONE

MIN. TYPE	SAMP NO, LOCATION	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
M	686610RTC C14+12 N, 45 W	50	1295	4	10	0.2	<0.5	20	170	<10
M	686612RTC C14+15 N, 20 W	9980	7770	6	34	0.8	<0.5	34	250	<10
M	686611RT C14+20 N, 25 W	100	2000	8	4	<.2	<0.5	20	150	<10
M	686609RTC C15+00 N, 45 W	115	4140	12	4	0.2	<0.5	20	140	<10
M	686608RT C15+00 N, 32 W	140	3340	8	8	0.2	<0.5	10	140	<10
WRC	686606RTC C15+02 N, 30 W	95	2700	10	4	0.2	<0.5	28	160	<10
M	686607RTC C15+02 N, 37 W	235	6870	12	12	0.4	<0.5	28	150	<10
M	686605RT C15+03 N, 26 W	105	3460	8	8	0.2	<0.5	24	150	<10
M	686604RTC C15+05 N, 30 W	55	1890	8	6	0.2	<0.5	30	150	<10
SPEC	760036RTC C15+15 N, 28 W	3970	97	<2	6	0.2	<0.5	2	520	50
M	760048RTC C15+24 N, 40 W	1015	8380	240	106	4.8	2.0	164	110	<10
M	760046RT C16+00 N, 40 W	930	20000	4	36	5.2	<0.5	264	40	<10
SMB	686601RT C16+02 N, 18 W	2830	666	12	80	1.0	<0.5	1385	10	30
SPEC	686602RT C16+02 N, 18 W	17740	4520	<2	14	2.4	<0.5	8	280	270
M	760047RT C16+05 N, 18 W	10100	4690	<2	14	1.0	<0.5	4	400	<10
SPEC	686613RTC C16+05 N, 15 W	1170	7980	2	138	3.2	<0.5	140	<10	<10
M	686614RTC C16+05 N, 15 W	2560	4480	16	12	0.6	<0.5	186	140	<10
SM	760042RT C16+12 N, 30 W	8420	6870	<2	22	2.0	<0.5	276	50	40
SMB	760044RT C16+12.5 N,38W	445	3410	<2	48	0.8	0.5	168	120	90
M	760045RTC C16+12.5 N, 38 W	885	7490	2	100	1.2	1.0	68	70	10
M	760043RTC C16+15 N, 26 W	4240	11100	<2	28	2.4	<0.5	262	20	90
M	760041RTC C16+20 N, 20 W	465	4730	6	134	22.6	5.0	108	250	<10
SPEC	760028RT C17+00 N, 21 W	435	369	<2	46	0.4	<0.5	266	40	20
SPEC	760029RT C17+00 N, 38 W	660	447	<2	48	0.8	<0.5	416	40	20
M	760033RT C17+06 N, 32 W	1380	472	4	18	0.2	<0.5	90	270	<10
SM	760024RTC C17+06 N, 8W	560	137	<2	36	<.2	<0.5	276	30	10
WRC	760027RT C17+07 N, 25 W	175	1810	4	14	<.2	<0.5	8	560	<10
SMB	760031RT C17+07N, 28 W	365	237	<2	46	0.2	<0.5	170	170	10
SM	760034RT C17+09 N, 33W	3160	9390	<2	32	3.6	<0.5	1735	<10	10
SM	760022RTC C17+10 N, 8W	3670	21200	40	40	5.4	<0.5	1625	10	40
SM	760025RT C17+10 N, 10 W	3940	16800	38	32	4.8	<0.5	1675	<10	30
SPEC	760030RT C17+12.5 N, 42 W	1985	1335	<2	26	1.0	<0.5	352	60	10
SMB	760035RTC C17+15 N, 38 W	70	306	<2	42	0.2	<0.5	86	80	<10
M	760037RTC C17+15 N, 25 W	7810	12600	<2	20	2.0	<0.5	22	20	<10
SPEC	760032RTC C17+18 N, 38 W	325	40	<2	28	0.2	<0.5	78	330	<10
M	760038RT C18+00 N, 25 W	3890	20400	2	52	2.4	<0.5	350	30	10
M	760040RTC C18+02 N, 24 W	4450	14500	12	54	2.4	<0.5	410	20	10

TABLE A3RAR (CON'T): ii> ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED ALONG C LINE: SOUTH ZONE DEPOSIT TO MEXT ZONE TO BEYOND NEXT ZONE

MIN. TYPE	SAMP NO, LOCATION	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
SM	760039RTC C18+04 N, 26 W	4260	24700	14	52	7.6	<0.5	3230	<10	40
M	760447RTC C19+00 N, 6 W	4930	2340	<2	20	0.4	<0.5	2	100	<10
SPEC	760021RT C19+02 N, 4W	60	50	<2	34	<.2	<0.5	6	1210	10
M	760020RC C19+10 N, 12 W	35	592	6	<2	<.2	<0.5	18	900	<10
M	760019RTC C19+18 N, 4 W	12470	3330	<2	66	1.4	<0.5	<2	430	<10
M	760014RT C20+01 N, 5W	5060	28800	16	26	1.8	<0.5	380	10	30
M	760015RC C20+01 N, 12 W	775	4610	2	<2	<.2	<0.5	18	420	<10
M	760018RTC C20+07 N, 5 W	3430	13400	22	52	1.6	<0.5	344	50	10
M	760016RC C20+08 N, 13 W	3070	24800	14	<2	1.4	<0.5	22	30	10
SPEC	760017RT C20+18 N, 5 W	220	147	<2	40	<.2	<0.5	64	150	10
SPEC	760448RTC C20+22 N, 5W	1945	748	2	36	<.2	1.0	18	80	20
WRC	760445RT C21+00 N, 10W	970	481	<2	34	<.2	<0.5	12	1410	<10
M	760446RT C21+00 N, 20W	3450	4650	30	32	2.0	<0.5	968	10	<10
SM	760451RT C21+15 N, 10W	4840	90900	24	86	12.6	<0.5	690	20	<10
SPEC	760452RT C21+20 N, 20W	1140	146	4	40	<.2	0.5	76	140	10
SPEC	760449RT C21+20N, 19E	2490	102	2	22	<.2	<0.5	14	800	<10
SPEC	760453RTC C21+21 N, 20W	7540	341	<2	20	0.6	<0.5	<2	40	60
M	760458RTC C21+23 N, 5 W	4660	23500	6	46	2.2	1.5	898	10	10
SPEC	760454RT C22+00 N, 19W	1385	370	2	10	<.2	0.5	<2	1320	80
SM	760455RT C22+00 N, 10 W	3900	27000	28	<2	5.4	<0.5	1840	10	<10
SMB	760457RTC C22+01 N, 3 W	1265	16100	58	42	2.0	0.5	340	20	<10
SMB	760456RTC C22+05 N, 8 W	380	1965	64	28	1.0	<0.5	1740	10	<10
M	760459RT C22+12.5 N, 2 E	290	5500	56	56	1.8	<0.5	350	10	<10
M	760460RTC C22+12.5 N, 2 W	3450	5760	<2	50	1.0	<0.5	122	50	<10
SM	760476RTC C22+14N, 23 W	2160	17000	18	4	7.8	<0.5	718	10	<10
SM	760474RT C22+17N, 20W	7740	34700	98	36	6.0	<0.5	336	10	<10
SMB	760473RTC C22+17N, 22W	1020	12000	30	42	1.8	<0.5	580	10	<10
SMB	760461RTC C22+24 N, 5W	510	14100	286	104	6.6	<0.5	1280	10	<10
SMB	760462RT C23+00 N	450	15800	150	56	4.0	<0.5	628	10	<10
SMB	760463RTC C23+05 N, 8 W	300	7380	160	68	3.2	<0.5	800	<10	<10
SMB	760465RTC C23+08 N, 13 W	420	17400	234	90	4.8	<0.5	1120	<10	<10
SM	760467RT C23+08 N, 20 W	5020	5570	10	38	1.6	0.5	506	20	<10
SMB	760468RT C23+09 N, 25 W	315	12800	106	28	2.6	<0.5	612	10	<10
M	760466RTC C23+10 N, 18 W	1160	11500	<2	48	1.6	<0.5	34	60	<10
SMB	760464RT C23+12.5 N,11W	50	144	6	40	<.2	0.5	78	40	<10
SMB	760469RT C23+17 N, 25 W	3860	12500	26	46	3.4	1.5	1970	10	<10
SPEC	760470RT C23+18 N, 20 W	10550	92	<2	14	0.2	1.5	<2	1090	210
SMB	760472RT C23+20 N, 15W	1880	12900	50	36	17.8	1.5	404	10	<10

TABLE A3RAR (CON'T): ii> ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED ALONG C LINE: SOUTH ZONE DEPOSIT TO MEXT ZONE TO BEYOND NEXT ZONE

MIN. TYPE	SAMP NO, LOCATION	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
WRC	760471RTC C23+22 N, 18 W	30	1350	2	18	<0.2	<0.5	22	240	<10
WRC	760477RC C24+03N, 20 W	305	3610	10	24	46.8	0.5	40	260	<10
GAL	760478RTC C24+21 N, 16 W	<5	40	<2	100	<0.2	1.0	6	1910	<10
GAL	760482R C24+21 N, 15 W	<5	21	2	84	0.6	1.5	<2	2400	<10
WRC	760479RTC C24+24 N,12.5W	1425	18200	30	28	4.6	<0.5	40	40	<10
WRC	760481RTC C25+01 N,12.5W	35	1445	2	6	0.2	<0.5	6	560	<10
GAL	760480RTC C25+02 N,12.5W	480	3810	286	658	385.0	27.0	426	120	10
M	760485RC C25+05 N, 18 W	1460	6700	32	36	10.8	0.5	34	110	<10
SPEC	760486RT C25+10 N, 15 W	1835	71	<2	8	<0.2	<0.5	6	410	40
SPEC	760487RT C25+11 N, 14 W	2260	209	<2	30	<0.2	<0.5	<2	160	180
WRC	760483RT C25+11 N, 16 W	95	886	88	134	78.0	5.0	118	440	<10
SPEC	760484RTC C25+13 N, 16 W	6130	60	1	14	1.2	<0.5	2	890	70
SPEC	760488RT C25+14 N, 10 W	1700	126	<2	18	<0.2	0.5	8	770	100
SPEC	760490RT C25+16 N, 13 W	7330	2330	4	40	<0.2	1.0	<2	44	50
SPEC	760491RT C25+16 N, 13 W	3360	3080	2	34	0.4	0.5	2	16	60
SPEC	760489RT C25+17N, 15W	2600	719	2	44	<0.2	1.5	<2	360	50
SPEC	760492RT C26+10N, 20W	360	23	6	12	<0.2	<0.5	12	130	40
SPEC	760493RT C26+14N, 12W	3760	20	2	16	<0.2	<0.5	<2	90	340
SPEC	760494RTC C26+20N, 15W	2760	31	<2	56	<0.2	0.5	<2	170	280
SPEC	760495RTC C26+20N, 08W	5980	6	16	26	0.2	0.5	<2	1500	220
SPEC	760496RTC C28+07N, 20W	6830	18	<2	76	0.6	1.5	<2	260	250
SPEC	760497RTC C28+07N, 25W	12670	2360	4	38	1.0	0.5	<2	270	150
SPEC	760498RC C28 N+12N, 25W	9930	328	<2	42	0.2	1.5	<2	160	300
SPEC	760011RTC C33+00N, 15W	5100	123	2	36	0.8	<0.5	38	160	290
M	760012RTC C38+00N	1415	3420	32	98	1.6	<0.5	196	60	<10
FTW OF NZ	686617RT C46+18N, 02W	10	77	40	174	0.6	<0.5	18	30	10
FTW OF NZ	686618RT C46+20N, 02W	15	77	206	464	0.2	2.5	6	30	<10
FTW OF NZ	686619RC C47+02N, 02W	15	82	58	152	0.6	<0.5	40	10	10
HW OF NZ	686620RC C47+05N, 07W	15	525	18	136	0.4	<0.5	10	30	10
AVERAGE VALUES FOR 104 SAMPLES:		2728	6941	27	52	6.8	0.6	308	243	36

TABLE A3ARSO:> ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED IN AREA OF MEXT ZONE, NORTHWEST OF CL PT

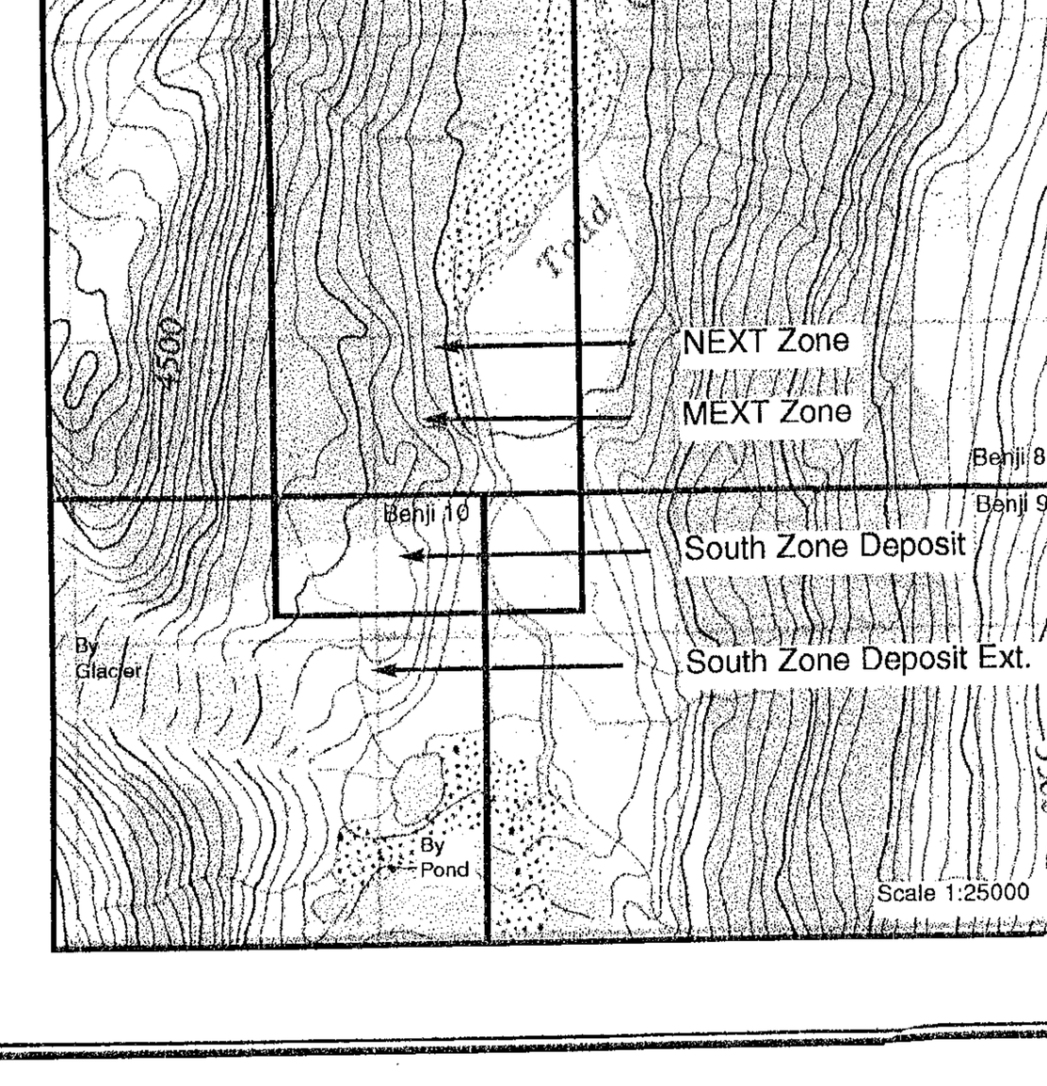
REF TDOO2

SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
760009SO	<5	28	12	40	<0.2	<0.5	24	440	<10
760010SO	35	128	12	46	<0.2	<0.5	38	220	<10

TABLE A3SSAR: > ANALYTICAL RESULTS FROM STREAM SEDIMENT SAMPLES COLLECTED IN AREA OF C LINE NEAR MEXT, NEXT ZONES

REF TDOO2

SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
686615SS	40	98	22	124	<0.2	1.5	32	430	<10
686616SS	<5	44	18	76	<0.2	0.5	20	250	<10
686621SS	15	34	22	136	0.2	0.5	14	300	<10



ABBREVIATIONS

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

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 chalcoprite veins, stringers, stockworks often with malachite
CT, 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
PY CTB	pyritized crystal tuff i.e., Knob Zone mineralization
SCHIST	chlorite, 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

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-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

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
- *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. (* Noranda 1988)

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
- □ or ⊢⊣ 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
- T/GF boundary, surficial debris
- H2/H3 geological or mineralogical bondaries
- mineralization boundaries
- proposed drill hole
- NTC historic drill hole (Noranda)
- slump zone
- PROPOSED 2004 Diamond Drill Hole DDHMEXT04-01

PROFESSIONAL GEOSCIENTIST
DAVID E. MOLLOY
PRACTISING MEMBER
0817
ONTARIO

David E. Molloy, P.Geo

TODD CREEK PROPERTY
MAP 4A

SOUTH ZONE DEPOSIT AND NORTHERN EXTENSION:
MEXT ZONE
GEOLOGICAL & GEOCHEMICAL SURVEYS

Scale 1:500

Geofine Exploration Consultants Ltd.

Rev: Nov 2004
November 2000

TABLE A4RAR: ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED ON CLIFF ABOVE C LINE:
WEST OF MEXT ZONE TO NEXT ZONE REF TDOO5

MIN. TYPE	SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
SM	760356RC	<5	20	<2	52	0.2	<0.5	6	30	<10
HW TB	760362RC	<5	63	12	14	0.6	<0.5	8	50	<10
HW TB	760364RC	<5	11	6	10	0.2	<0.5	6	50	<10
M	760365RTC	9430	28500	<2	2	4.2	<0.5	370	30	40
M	760366RTC	2690	7510	<2	38	3.6	<0.5	1305	<10	30
M	760367RT	190	22300	<2	36	2.2	<0.5	252	<10	10
M	760368RT	4430	1245	<2	14	<0.2	<0.5	16	620	<10
SMB	760369RT	30	423	26	40	1.0	<0.5	818	10	10
M	760370RT	180	381	<2	34	0.2	<0.5	374	30	40
WRC	760371RT	2080	1254	<2	18	0.2	<0.5	60	130	<10
CHL SCH	760385RC	35	843	<2	64	0.8	<0.5	40	10	10
CT	760390R	<5	47	<2	76	<0.2	<0.5	2	240	<10
SER SCH	760391RT	<5	28	8	12	<0.2	<0.5	14.0	50.0	<10
SPEC	760403RC	55	609	12	98	0.6	<0.5	122	50	30
SPEC	760499R	2310	166	<2	10	<0.2	<0.5	10	230	120

TABLE A3RAR (CONT): ANALYTICAL RESULTS FROM ROCK SAMPLES COLLECTED ALONG C LINE: SOUTH ZONE
DEPOSIT TO MEXT ZONE TO BEYOND NEXT ZONE

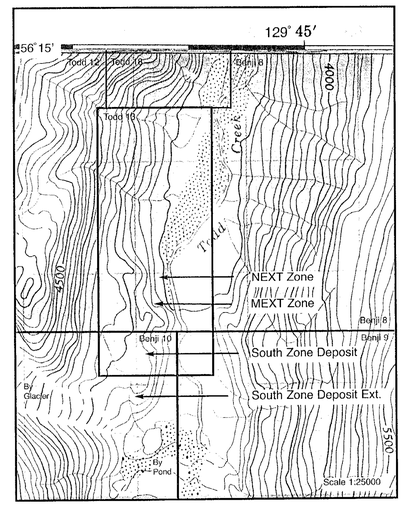
MIN. TYPE	SAMP NO. LOCATION	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
M	760012RTC C36+00N	1415	3420	32	86	1.6	<0.5	196	60	<10
FTW OF NZ	686617RT C46+18N, 02W	10	77	40	174	0.6	<0.5	18	30	10
FTW OF NZ	686618RT C46+28N, 02W	15	77	206	464	0.2	2.5	6	30	<10
FTW OF NZ	686619RC C47+02N, 02W	15	82	58	152	0.6	<0.5	40	10	10
HW OF NZ	686620RC C47+05N, 07W	15	525	18	136	0.4	<0.5	10	30	10

TABLE A4SO: > ANALYTICAL RESULTS FROM SOIL SAMPLES COLLECTED ABOVE CLIFF
IN AREA OF NEXT, MEXT ZONES: REF TDOO7

SAMP NO	AU ppb	CU ppm	PB ppm	ZN ppm	AG ppm	CD ppm	AS ppm	BA ppm	W ppm
760355SO	30	28	20	106	<0.2	<0.5	20	110	<10
760386SO	<5	37	6	90	<0.2	<0.5	10	1010	<10
760392SO	10	13	60	24	0.2	<0.5	38	310	<10
760393SO	<5	27	6	54	<0.2	<0.5	10	230	<10
760394SO	<5	27	<2	60	<0.2	<0.5	10	270	<10
760401SO	125	1065	36	10	0.2	<0.5	544	120	<10
760404SO	55	228	8	36	<0.2	<0.5	70	280	<10
760405SO	335	961	76	8	2.0	<0.5	984	130	<10

TABLE A4SSAR: 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
760351SS	<5	19	2	42	<0.2	<0.5	56	460	<10
760352SS	20	20	16	142	<0.2	<0.5	70	270	<10
760353SS	<5	22	16	118	<0.2	<0.5	16	300	<10
760354SS	<10	22	20	134	<0.2	<0.5	18	310	<10
760357SS	<5	18	16	106	<0.2	<0.5	16	520	<10
760358SS	<5	22	28	136	<0.2	<0.5	18	210	<10
760359SS	<5	21	24	92	<0.2	<0.5	12	300	<10
760360SS	<5	22	36	82	<0.2	<0.5	14	350	<10
760361SS	<10	22	16	108	<0.2	0.5	12	300	<10
760363SS	<5	42	18	82	<0.2	<0.5	18	330	<10
760372SS	10	38	6	58	<0.2	<0.5	12	350	<10
760373SS	<5	40	8	58	<0.2	<0.5	8	1760	<10
760381SS	5	23	8	96	<0.2	<0.5	12	350	<10
760382SS	<5	<1	<2	8	<0.2	<0.5	4	1230	<10
760383SS	10	20	10	70	0.2	<0.5	6	170	<10
760384SS	5	32	14	164	<0.2	<0.5	28	1010	<10
760387SS	25	18	48	82	<0.2	<0.5	116	840	<10
760388SS	<5	12	<2	94	0.8	<0.5	36	3580	<10
760389SS	<5	35	<2	148	1.2	<0.5	50	3000	<10



ABBREVIATIONS

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

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 wispy to stringers of galena in vuggy, oxidized euhedral quartz veins
BAR	baritized rock, veins, breccia veins, stringers, stockworks in crystal tuff breccia
PY CTB	pyritized crystal tuff i.e., Knob Zone mineralization
SCHIST	chlorite, sericite schist in fault zones
OX FIK	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

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-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

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
□ or ⊢⊣	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
T / GF	boundary, surficial debris
H2 / H3	geological or mineralogical bondaries
	mineralization boundaries
	proposed drill hole
NTC	historic drill hole (Noranda)
	slump zone

2004 Diamond Drill Hole DDHNEXT04-01

PROFESSIONAL GEOSCIENTIST — DAVID E. MOLLOY — PRACTISING MEMBER — 0317 — ONTARIO

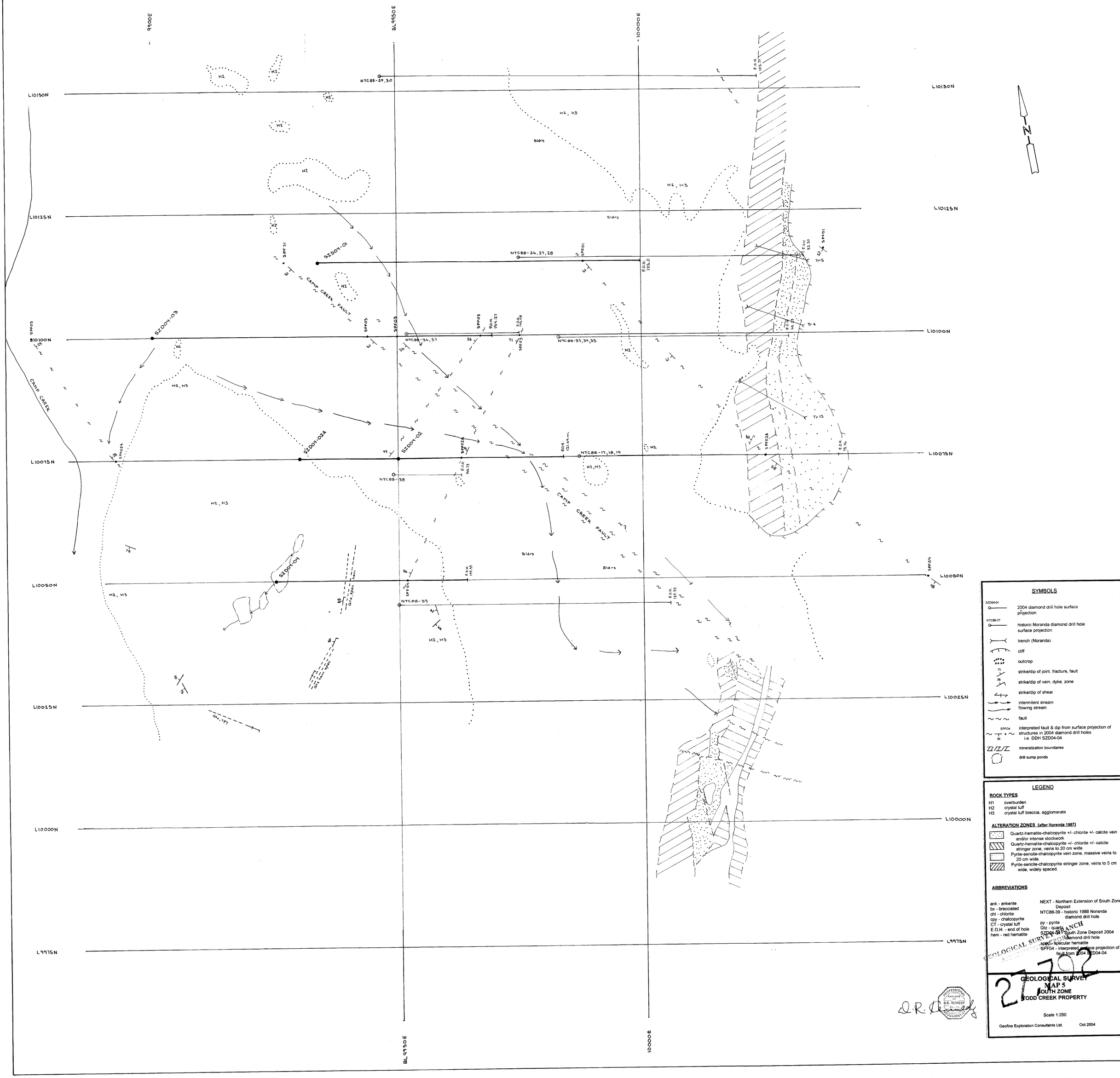
TODD CREEK PROPERTY
MAP 4B

NORTHERN EXTENSIONS OF SOUTH ZONE:
MEXT AND NEXT ZONES
GEOLOGICAL & GEOCHEMICAL SURVEYS

Scale 1:500

Rev: Nov 2004
November 2000

Geofine Exploration Consultants Ltd.



SYMBOLS

- SZD04-01 — 2004 diamond drill hole surface projection
- NTC88-37 — historic Noranda diamond drill hole surface projection
- trench (Noranda)
- cliff
- outcrop
- 75 / 36 — strike/dip of joint, fracture, fault
- strike/dip of vein, dyke, zone
- strike/dip of shear
- intermitent stream / flowing stream
- fault
- SPF04 — interpreted fault & dip from surface projection of structures in 2004 diamond drill holes i.e. DDH SZD04-04
- mineralization boundaries
- drill sump ponds

LEGEND

ROCK TYPES

- H1 overburden
- H2 crystal tuff
- H3 crystal tuff breccia, agglomerate

ALTERATION ZONES (after 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.

ABBREVIATIONS

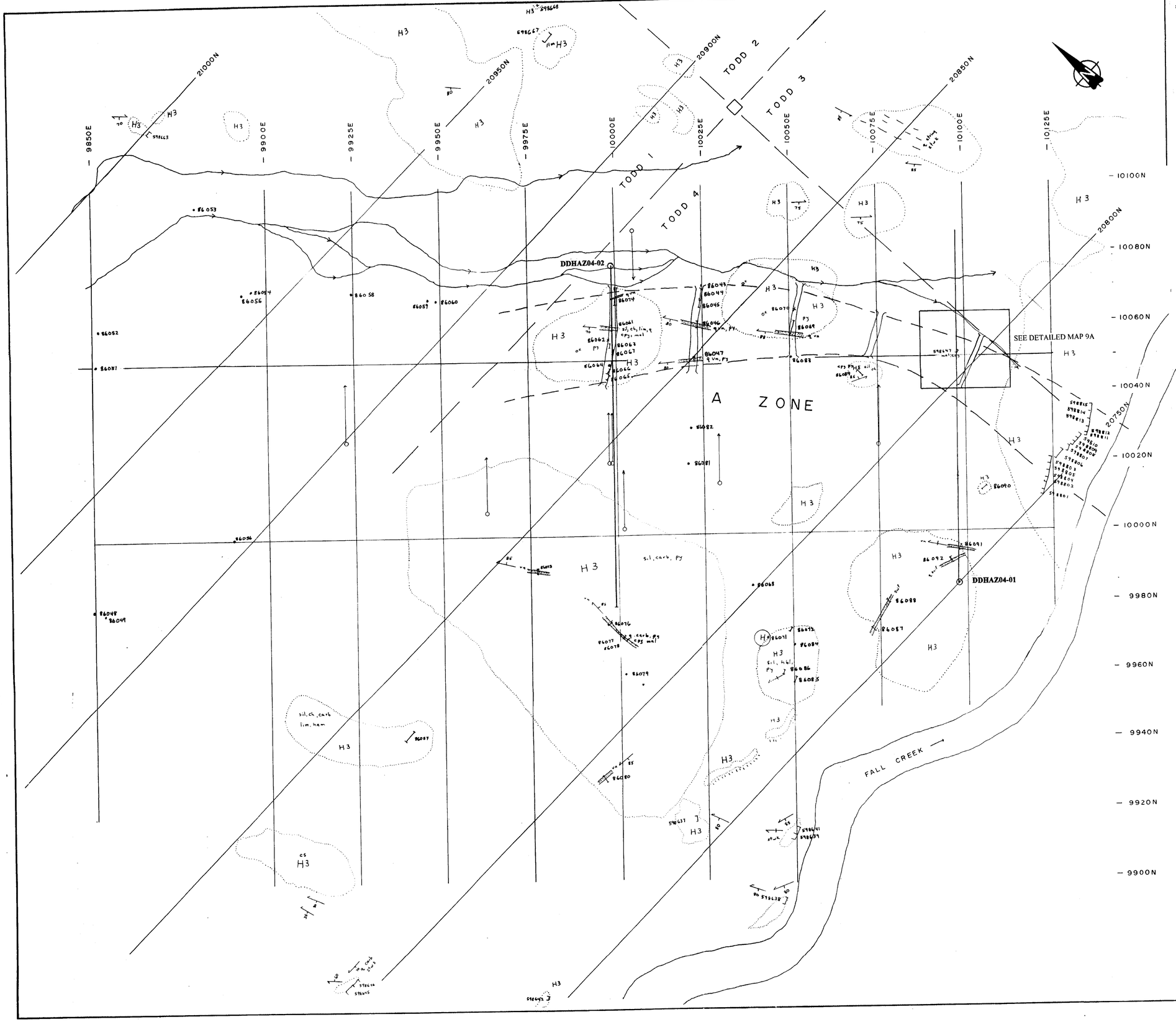
ank - ankerite
bx - brecciated
chl - chlorite
cpy - chalcopyrite
CT - crystal tuff
E.O.H. - end of hole
hem - red hematite
NEXT - Northern Extension of South Zone Deposit
NTC88-39 - historic 1988 Noranda diamond drill hole
py - pyrite
Qtz - quartz
SZD04-01 - South Zone Deposit 2004 diamond drill hole
spec - specular hematite
SPF04 - interpreted surface projection of fault from 2004 SZD04-04

GEOLOGICAL SURVEY MAP 5
SOUTH ZONE
TODD CREEK PROPERTY

Scale 1:250

Geofine Exploration Consultants Ltd. Oct 2004


NORTH ZONES
GRID A
GRID B
NORTH B ZONE
GRID C
NORTH A ZONE
GRID C AND PROPOSED EXTENSION
FALL CREEK
FALL CREEK GRID
EAST F1 ZONE
FALL CREEK EAST ZONE
FALL CREEK WEST ZONE
ICE CREEK
ICE CREEK GRID
ICE CREEK ZONE
Ice Creek Glacier
LEGEND
DD collar location/direction
NTC 90-56 DD hole number
axis of IP anomoly
mineralized vein
1994 soil gold contour (ppb)
Noranda soil gold contour (ppb)
ice field
contour on land (ft)
contour on glacier (ft)
1994 cut grid
1995 proposed grid
A'- A' Longitudinal section line
DDHFCF104-01
Proposed Follow-up Drill Hole
TODD CREEK PROPERTY
MAP 6
COMPILATION OF HISTORICAL WORK
ICE, FALL CREEK AND NORTH ZONE
TARGET AREAS
Scale 1:2500
REV. Nov 2004
by: Geofine Exploration Consultants Ltd.
October 1994
GEOLOGICAL SURVEY BRANCH
ASSESSMENT REPORT
27,792
PROFESSIONAL GEOSCIENTIST
DAVID E. MOLLOY
PRACTISING MEMBER
0817
ONTARIO



1997 ROCK ANALYSES

SAMPLE NO.		Au g/t	Cu ppm	Zn ppm	Ag ppm	As ppm	Pb ppm	Cd ppm	Ba ppm
598637	c	< 005	107	78	< 2	72	12	<.5	70
598638	c	< 005	50	98	0.2	16	28	0.5	90
598639	c	0.025	60	182	0.2	48	26	0.5	50
598641	c	< 005	37	58	< 2	612	36	<.5	10
598645	c	0.03	4	100	< 2	38	14	<.5	120
598646	c	0.125	11	78	0.2	182	28	<.5	20
598647	c	44.81	32700	135	10	140	20	<5	160
598663	c	0.005	7	110	0.4	8	10	<.5	830
598667	c	< 005	4	50	< 2	4	2	<.5	190
598668	c	0.02	9	32	0.6	16	16	<.5	70
598801	c	0.02	10	72	< 2	16	4	<.5	70
598802	c	0.01	14	60	< 2	18	6	<.5	60
598803	c	0.06	373	82	< 2	56	8	<.5	50
598804	c	0.05	89	76	< 2	38	4	<.5	40
598805	c	0.06	221	72	< 2	56	10	<.5	40
598806	c	0.02	123	102	< 2	20	8	<.5	90
598807	c	0.26	504	60	0.2	46	14	<.5	220
598808	c	0.28	2070	88	1	68	8	<.5	70
598809	c	0.065	440	84	0.2	60	4	<.5	110
598810	c	0.225	34	74	1	30	16	<.5	60
598811	c	2	4710	86	3.2	342	16	0.5	40
598812	c	0.03	225	104	0.4	54	18	<.5	60
598813	c	0.04	127	90	0.4	30	24	<.5	70
598814	c	0.09	424	130	0.6	44	24	<.5	60
598815	c	0.165	868	136	0.4	88	18	0.5	160

1994 ROCK ANALYSES

SAMPLE NO		Au ppb	Cu ppm	Zn ppm	Ag ppm	As ppm	Pb ppm	Cd ppm	Ba ppm
86043	f	5400	7870	301	NA	38	44	NA	NA
86044	c	17	46	137	NA	15	30	NA	NA
86045	c	86	205	986	NA	20	332	NA	NA
86046	c	519	4430	5490	NA	27	624	NA	NA
86047	c	8900	7510	234	NA	50	92	NA	NA
86048	f	34	48	97	NA	1850	118	NA	NA
86049	f	10	35	12	NA	42	21	NA	NA
86051	f	1	12	15	NA	48	27	NA	NA
86052	f	82	26	54	NA	1050	55	NA	NA
86053	f	6	21	56	NA	7500	221	NA	NA
86054	f	2	169	1620	NA	35	1810	NA	NA
86055	f	1	18	11	NA	44	49	NA	NA
86056	f	1	14	10	NA	38	26	NA	NA
86057	c	1	8	74	NA	8	19	NA	NA
86058	f	1	9	22	NA	4	23	NA	NA
86059	f	4	40	8	NA	30	14	NA	NA
86060	f	14	39	21	NA	17	31	NA	NA
86061	c	1070	24300	197	NA	108	53	NA	NA
86062	vn	229	6570	321	NA	41	50	NA	NA
86063	c	75	5140	224	NA	52	133	NA	NA
86064	f	22.67g/t	9760	798	NA	750	101	NA	NA
86065	c	11.5 g/t	31000	1830	NA	1975	212	NA	NA
86066	c	761	4290	525	NA	40	65	NA	NA
86067	c	14.5 g/t	19100	5210	NA	1500	267	NA	NA
86068	f	671	295	152	NA	2550	85	NA	NA
86069	c	25	55	76	NA	22	50	NA	NA
86070	g	333	5650	515	NA	56	113	NA	NA
86071	f	2780	90	417	NA	725	72	NA	NA
86072	c	7	67	68	NA	20	23	NA	NA
86073	c	6	51	49	NA	5	23	NA	NA
86074	c	39	43	119	NA	21	42	NA	NA
86076	c	458	4550	106	NA	625	67	NA	NA
86077	c	125	38	35	NA	250	56	NA	NA
86078	c	418	93	81	NA	1100	84	NA	NA
86079	f	16	10	24	NA	18	24	NA	NA
86080	c	1355	7440	1420	NA	91	67	NA	NA
86081	f	26	47	74	NA	5	30	NA	NA
86082	f	33	62	73	NA	16	32	NA	NA
86083	f	15	972	166	NA	9	130	NA	NA
86084	f	60	20	21	NA	14	22	NA	NA
86085	c	123	27	63	NA	29	31	NA	NA
86086	c	54	46	106	NA	40	47	NA	NA
86087	c	2340	4170	95	NA	1900	119	NA	NA
86088	c	1155	4700	109	NA	850	74	NA	NA
86089	c	49	89	70	NA	21	33	NA	NA
86090	c	63	25	89	NA	95	51	NA	NA
86091	c	684	119	76	NA	625	155	NA	NA
86092	c	4040	393	119	NA	1400	560	NA	NA

c - insitu rock chip, composite or panel sample
f - float
vn - vein

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 — ukndifferentiated volcanics (basalt, pillowed basalt, volcanic breccia)

HAZELTON GROUP - LOWER AND MIDDLE JURASSIC
- H1 — ferrocrete
- 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

carb	carbonatized	ox	oxidized
ch	chloritized	py	pyritized
cpy	chalcopyrite	q vn	quartz vein
hem	hematized	sil	silicified
hem	hematized	silf	sulfidized
lim	limonite	stwk	stockwork
mal	malachite	vn	vein
ms	semi massive sulfides		

SYMBOLS

outcrop area
rock grab sample insitu 1997
composite of insitu rock 1997
rock grab sample insitu 1994
rock composite 1994
Real sample 1994
trench (historical)
claim post and claim line
mineralized zone
drill hole (historical)
strike and dip of zone
strike and dip of fracture
strike and dip of shearing
DDHAZ04-01 — dd hole proposed in 2004

PROFESSIONAL GEOSCIENTIST
DAVID E. MOLLOY
PRACTISING MEMBER
0817
ONTARIO

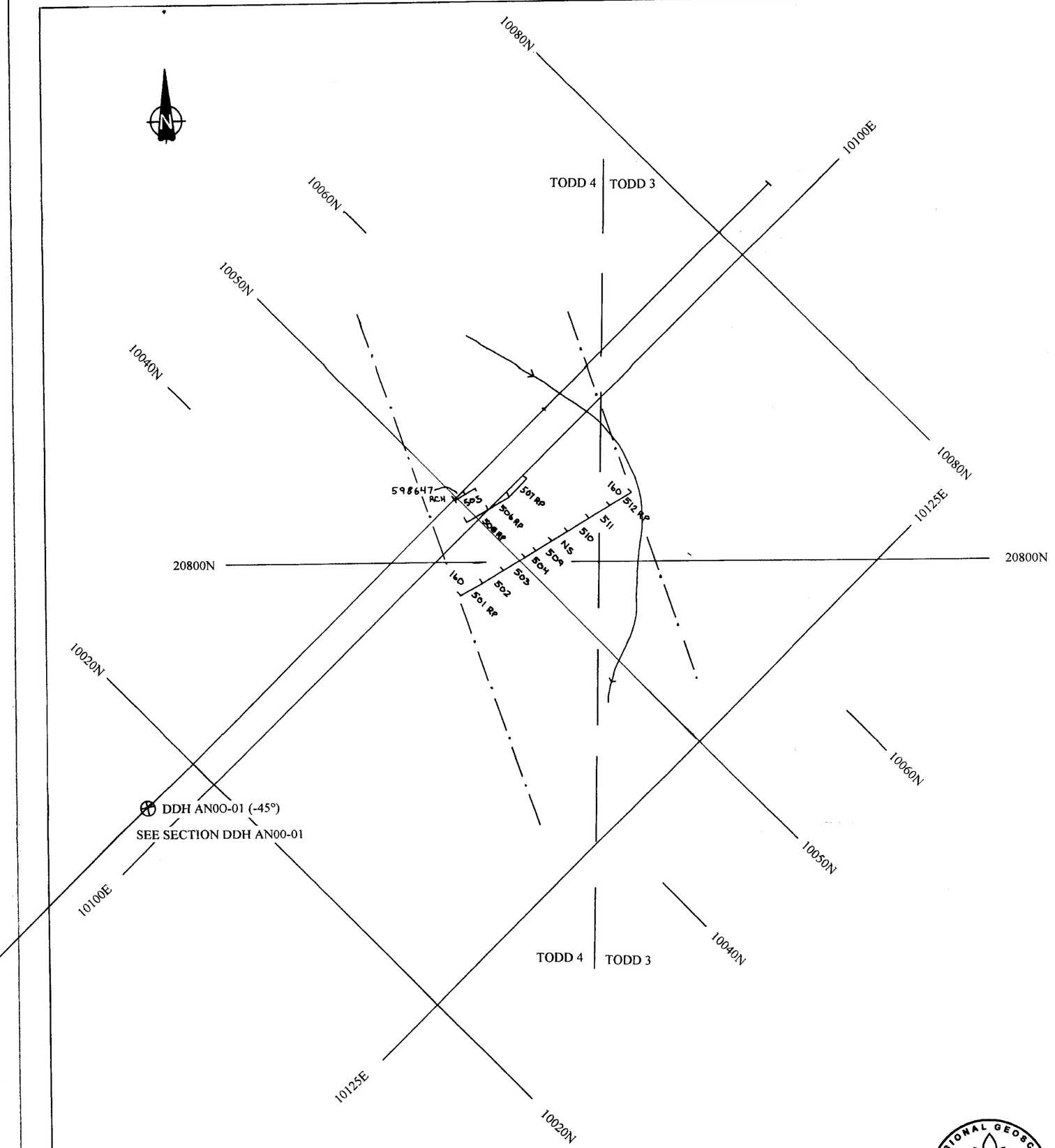
David E Molloy P.Geo.

TODD CREEK PROPERTY
MAP 7
NORTH ZONE A GRID - GEOLOGY & ROCK GEOCHEMICAL SURVEYS

SCALE 1:500

Geofine Exploration Consultants Ltd.

Rev: Nov 2004



1999 ROCK SAMPLE ANALYSES

SAMPLE NUMBER	AU ppb	AG ppm	CU ppm	PB ppm	ZN ppm	AS ppm	BA ppm	CD ppm	HG ppm	SB ppm	MO ppm
160501RP	45	0.4	62	30	110	18	90	0.5	<1	2	7
160502RP	35	0.4	75	16	642	14	120	8	<1	6	6
160503RP	90	0.6	304	20	238	8	90	4.5	<1	4	6
160504RP	265	1.4	1315	48	218	16	90	4.5	<1	4	4
160505RP	44180	8.4	33000	6	116	172	20	0.5	<1	8	16
160506RP	20140	3.4	4750	26	174	144	40	2.5	<1	8	38
160507RP	630	3.2	2790	32	294	108	20	5	<1	11	74
160508RP	1575	5.8	12000	24	318	280	40	7	<1	8	63
160509RP	40	0.6	257	28	160	22	210	0.5	<1	6	9
160510RP	265	5.4	2370	556	1300	58	40	13	<1	8	13
160511RP	25	1.0	65	58	264	58	80	1.5	<1	4	6
160512RP	245	4.6	1815	170	834	28	70	6.5	<1	8	15

SYMBOLS

- 598647 — historic rock sample & location
- 160508 / 509 — 1999 rock sample & location
- SS — stream sediment sample
- SO — soil sample
- RC — rock composite sample
- 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
- ~ ~ — interpreted fault
- TODD 4 | TODD 3 — claim line
- DDHAZ04-02 — dd hole proposed in 2004
- dd hole spotted in 1999
- stream and direction
- mineralized zone

MAP 1A

DETAILED PLAN OF 1999 FOLLOW-UP OF SAMPLE 598647 RCH, A ZONE, NORTH GRID: TODD CREEK PROPERTY

Scale 1:250

Geofine Exploration Cons. Ltd. Rev: Nov. 2004

David E Molloy, P.Geo.

APPENDIX C

LIST OF CROSS-SECTIONS:

9875 E | 9900 E | 9925 E | 9950 E | 9975 E | 10000 E | 10025 E

1150 m | 1125 m | 1100 m | 1075 m | 1050 m | 1025 m | 1000 m | 975 m | 950 m

SZD04-04
OB
NTC88-39

P05-02 (-70°)
P05-01 (-70°)

Lt Gry-Grn CT
py
py cpy
py
py
cpy
Dk Grn CT
py cpy
py
Purple CT
Lt Gry Grn CT
Lt Gry-Grn CT
Grn-Grey CT
cpy
cpy cpy
py
cpy
Sil Chl Crackle CT
Gry, Red-Brn CT
Purple + Red-Brn + Grey CT
py
py cpy
py cpy
Ank Matrix Crackle CT
Red-Purple CT
Red-Purple CT
Qtz-Carb Matrix Bx Vn
Purple CT
Alternating Bleached Sil-Chl + Purple CT
py
py
chl
Purple CT
spec
Wk-Str Crackle, Purple ± Bleached CT
Sulf Qtz-Hem Vns in Crackle CT
cpy
py cpy
cpy
Co Pyroclastic

HANGING WALL ROCKS
SOUTH ZONE DEPOSIT
STRATIGRAPHY
FOOTWALL ROCKS

3.09g Au/t, 0.29% Cu
10.0 m
incl. 10.51g Au/t, 0.88% Cu
2.22 m

5.62g Au/t, 0.67% Cu
1.35 m

NTC88-39 129.54 m (6.09)
-65°

E.O.H. 199.39 m
-80°

P.E.O.H. 255 m
P05-02 -70°

P.E.O.H. 230 m
P05-01 -70°

200 m

ABBREVIATIONS

ank - ankerite
aspy - arsenopyrite
blk - black
brn - brown
bx - brecciated
chl - chlorite
carb - carbonate
co - coarse
cpy - chalcopyrite
CT - crystal tuff
dk - dark
E.O.H. - end of hole
frag - fragment
grn - green
gry - grey
hem - red hematite
lim - limonitized
lt - light
med - medium
mod - moderate
lim - limonitized
lt - light
med - medium
mod - moderate
NEXT - Northern Extension of South Zone Deposit
NTC - historic Noranda diamond drill hole
OB - overburden
pk - pink
po - pyrrhotite
P.E.O.H. - proposed end of 2005 diamond drill hole
py - pyrite
qtz - quartz
sil - silicified
SZD - South Zone Deposit
spec - specular hematite
str - strong
sulf - sulfides
vn - vein
wh - white
wk - weak
xtals - crystals
yel - yellow

SYMBOLS

fault
fault zone
fracture
SZD04-04 — 2004 diamond drill hole
NTC88-39 — historic Noranda diamond drill hole
Lt Grn CT / Purple CT / Chl CT — sub unit contact
significant Au, Cu intersection
P05-01 — proposed 2005 diamond drill hole
SZD mineralized zone (interpreted)
vein

ASSESSMENT REPORT
GEOLOGICAL SURVEY BRANCH
27,792

SECTION 10050N
Looking 010 deg.

SOUTH ZONE
TODD CREEK PROPERTY

DDH SZD04-04
Historic DDH NTC88-39
from Section 10044 N

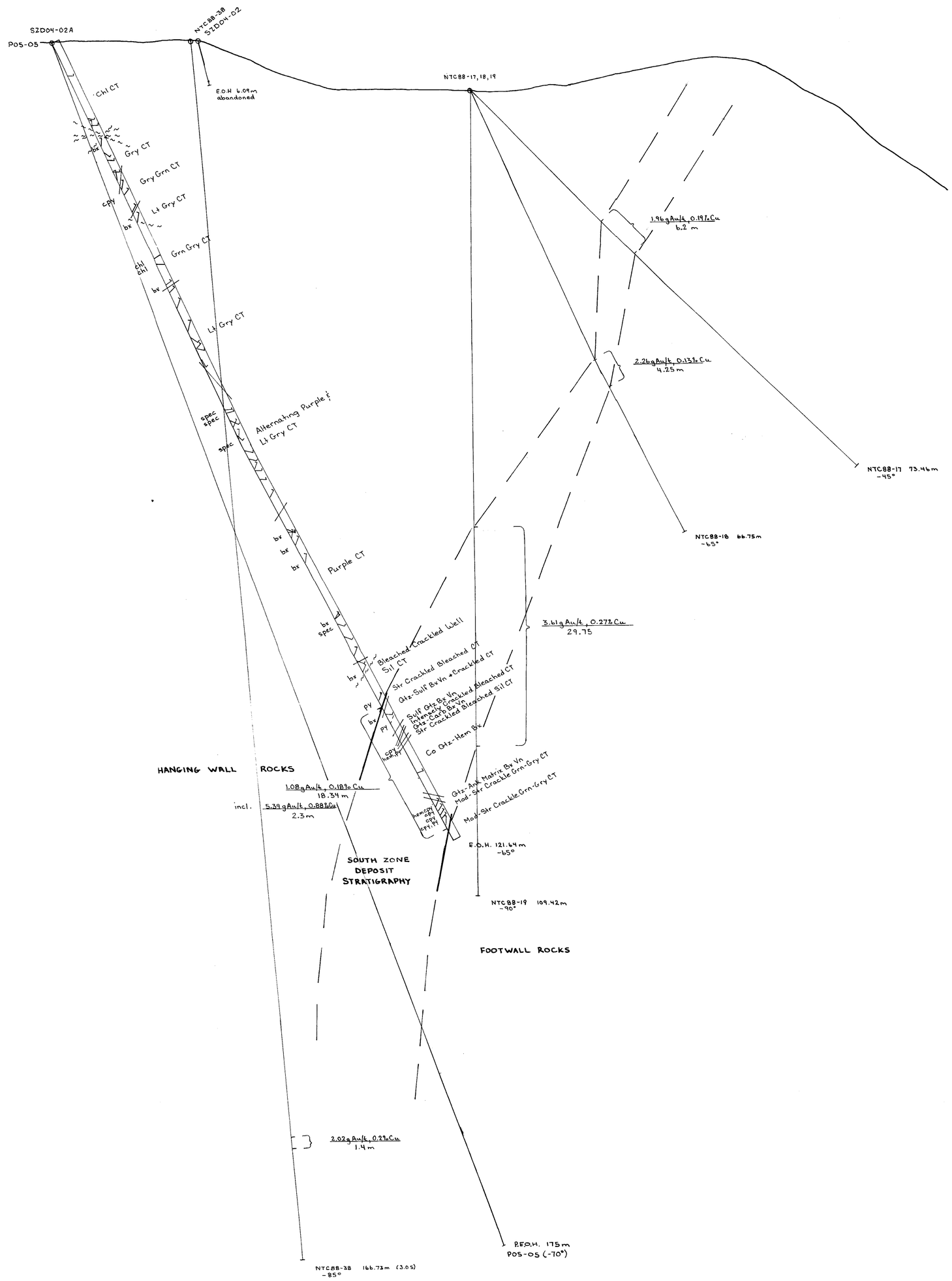
Scale 1:250

Geofine Exploration Consultants Ltd. Oct 2004

R. Clowes
P.Eng.
GEOSCIENTIST

9875 E | 9900 E | 9925 E | 9950 E | 9975 E | 10000 E | 10025 E | 10050 E

1150 m | 1125 m | 1100 m | 1075 m | 1050 m | 1025 m | 1000 m | 975 m | 950 m



ABBREVIATIONS

ank - ankerite	med - medium
aspy - arsenopyrite	mod - moderate
blk - black	NEXT - Northern Extension of South Zone Deposit
brn - brown	NTC - historic Noranda diamond drill hole
bx - brecciated	OB - overburden
chl - chlorite	pk - pink
carb - carbonate	po - pyrrhotite
co - coarse	P.E.O.H. - proposed end of 2005 diamond drill hole
cpy - chalcopyrite	py - pyrite
CT - crystal tuff	qtz - quartz
dk - dark	sil - silicified
E.O.H. - end of hole	SZD - South Zone Deposit
frag - fragment	spec - specular hematite
grn - green	str - strong
gry - grey	sulf - sulfides
hem - red hematite	vn - vein
lim - limonitized	wh - white
lt - light	wk - weak
med - medium	xtals - crystals
mod - moderate	yel - yellow
lim - limonitized	
lt - light	

SYMBOLS

- fault
- fault zone
- fracture
- 2004 diamond drill hole
- historic Noranda diamond drill hole
- sub unit contact
- significant Au, Cu intersection
- proposed 2005 diamond drill hole
- SZD mineralized zone (interpreted)

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT 27,170

SECTION 10075N
Looking 010 deg.

SOUTH ZONE
TODD CREEK PROPERTY

DDH SZD04-02, 02A
Historic DDH NTC88-17, 18, 19, 38

Scale 1:250

Geodene Exploration Consultants Ltd. Oct 2004

D.R. KENNEDY — PROFESSIONAL GEOSCIENTIST — PROVINCE OF BRITISH COLUMBIA

9875 E | 9900 E | 9925 E | 9950 E | 9975 E | 10000 E | 10025 E | 10050 E

1150 m | 1125 m | 1100 m | 1075 m | 1050 m | 1025 m | 1000 m | 975 m

P05-03 (-62°)
P05-04 (-70°)

SZD04-03
OB
Co Gry-Grn CT
PY
~ Str Crackled CT
Well Sil CT
Mod-Str Crackle CT
Sulf Sil Gry CT
sulf
Mod-Well Sil CT
Purple Matrix CT
Lt Grn CT
Purple Matrix CT
spec
Lt Grn + Purple CT
spec
spec
Lt Grn + Purple CT
py
py
py
Lt Grn CT + Gry Banding
Alternating Red-Brn + Lt Grn-Purple CT
Alternating Red-Brn + Lt Grn-Purple CT
Intensely Crackled CT
Alternating CT
Ser Schist + Shattered Core Alternating CT
Massive Red-Purple CT

NTC88-36,37

NTC88-33,34,35

Cliff

4.59 g Au/t, 0.88% Cu
0.9 m

3.66 g Au/t, 0.66% Cu
3.35 m

NTC88-33 65.23 m 0.55
-45°

8.61 g Au/t, 0.45% Cu
11.7 m

NTC88-34 77.72 m 0.55
-65°

NTC88-35 114.88 m
-90°

6.12 g Au/t, 0.35% Cu
6.1 m

NTC88-36
97.00 m
-85°

Multiphase Bx Vn:
Crackled Sil Sulf CT
Sulf Matrix CT
Intensely Sulf-Hem Crackled CT
Sulf Matrix Crackled CT
Multiphase Brk Sulf Bx Vn
py
hem, py
py
hem, py
py
py
py
Mod Crackled CT
Massive Lt Brn-Pk CT

8.55 g Au/t, 0.67% Cu
1.32 m

E.O.H. 154.27 m
-65°

NTC88-37 145.09 m
-81°

HANGING WALL ROCKS

SOUTH ZONE DEPOSIT STRATIGRAPHY

FOOTWALL ROCKS

150 m
150 m

P05-04
-70°
P.E.O.H. 260 m

P05-03 -62°
P.E.O.H 220 m

ABBREVIATIONS

ank - ankerite	med - medium
aspy - arsenopyrite	mod - moderate
blk - black	NEXT - Northern Extension of South Zone Deposit
brn - brown	NTC - historic Noranda diamond drill hole
bx - brecciated	OB - overburden
chl - chlorite	pk - pink
carb - carbonate	po - pyrrhotite
co - coarse	P.E.O.H. - proposed end of 2005 diamond drill hole
cpy - chalcopyrite	py - pyrite
CT - crystal tuff	qtz - quartz
dk - dark	sil - silicified
E.O.H. - end of hole	SZD - South Zone Deposit
frag - fragment	spec - specular hematite
gm - green	str - strong
gry - grey	sulf - sulfides
hem - red hematite	vn - vein
lim - limonitized	wh - white
lt - light	wk - weak
med - medium	xtals - crystals
mod - moderate	yel - yellow
lim - limonitized	
lt - light	

SYMBOLS

- fault
- fault zone
- fracture
- SZD04-04 — 2004 diamond drill hole
- NTC88-36 — historic Noranda diamond drill hole
- Lt Gm CT / Purple CT / Chl CT — sub unit contact
- significant Au, Cu intersection
- P05-01 — proposed 2005 diamond drill hole
- SZD mineralized zone (interpreted)
- vein

GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT

SECTION 10100N
Looking 010 deg

SOUTH ZONE
TODD CREEK PROPERTY

DDH SZD04-03
Historic DDH NTC88-33, 34, 35, 36, 37
from Section 10100N

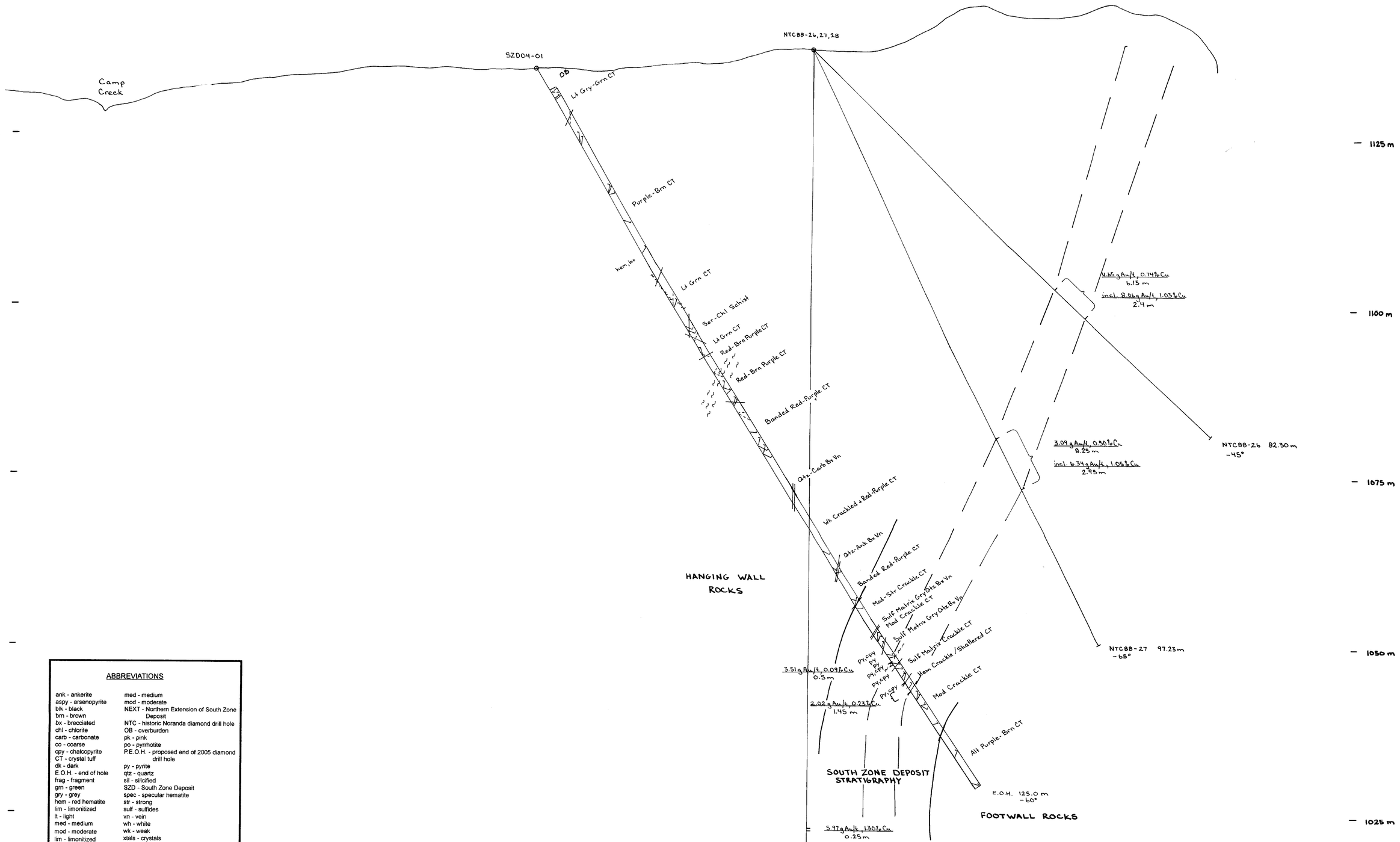
Scale 1:250

Geofine Exploration Consultants Ltd. Oct 2004

J.R. Kennedy
PROFESSIONAL ENGINEER PROVINCE OF BRITISH COLUMBIA J.R. KENNEDY

9900E | 9925E | 9950E | 9975E | 10000E | 10025E

1150m | 1125 m | 1100 m | 1075 m | 1050 m | 1025 m | 1000 m | 975 m



ABBREVIATIONS

ank - ankerite
aspy - arsenopyrite
blk - black
brn - brown
bx - brecciated
chl - chlorite
carb - carbonate
co - coarse
cpy - chalcopyrite
CT - crystal tuff
dk - dark
E.O.H. - end of hole
frag - fragment
grn - green
gry - grey
hem - red hematite
lim - limonitized
lt - light
med - medium
mod - moderate
lim - limonitized
lt - light
med - medium
mod - moderate
NEXT - Northern Extension of South Zone Deposit
NTC - historic Noranda diamond drill hole
OB - overburden
pk - pink
po - pyrrhotite
P.E.O.H. - proposed end of 2005 diamond drill hole
py - pyrite
qtz - quartz
sil - silicified
SZD - South Zone Deposit
spec - specular hematite
str - strong
sulf - sulfides
vn - vein
wh - white
wk - weak
xtals - crystals
yel - yellow

SYMBOLS

fault
fault zone
fracture
SZD04-04 — 2004 diamond drill hole
NTC88-39 — historic Noranda diamond drill hole
Lt Grn CT / Purple CT / Grn CT — sub unit contact
significant Au, Cu intersection
P05-01 — proposed 2005 diamond drill hole
SZD mineralized zone (interpreted)
vein

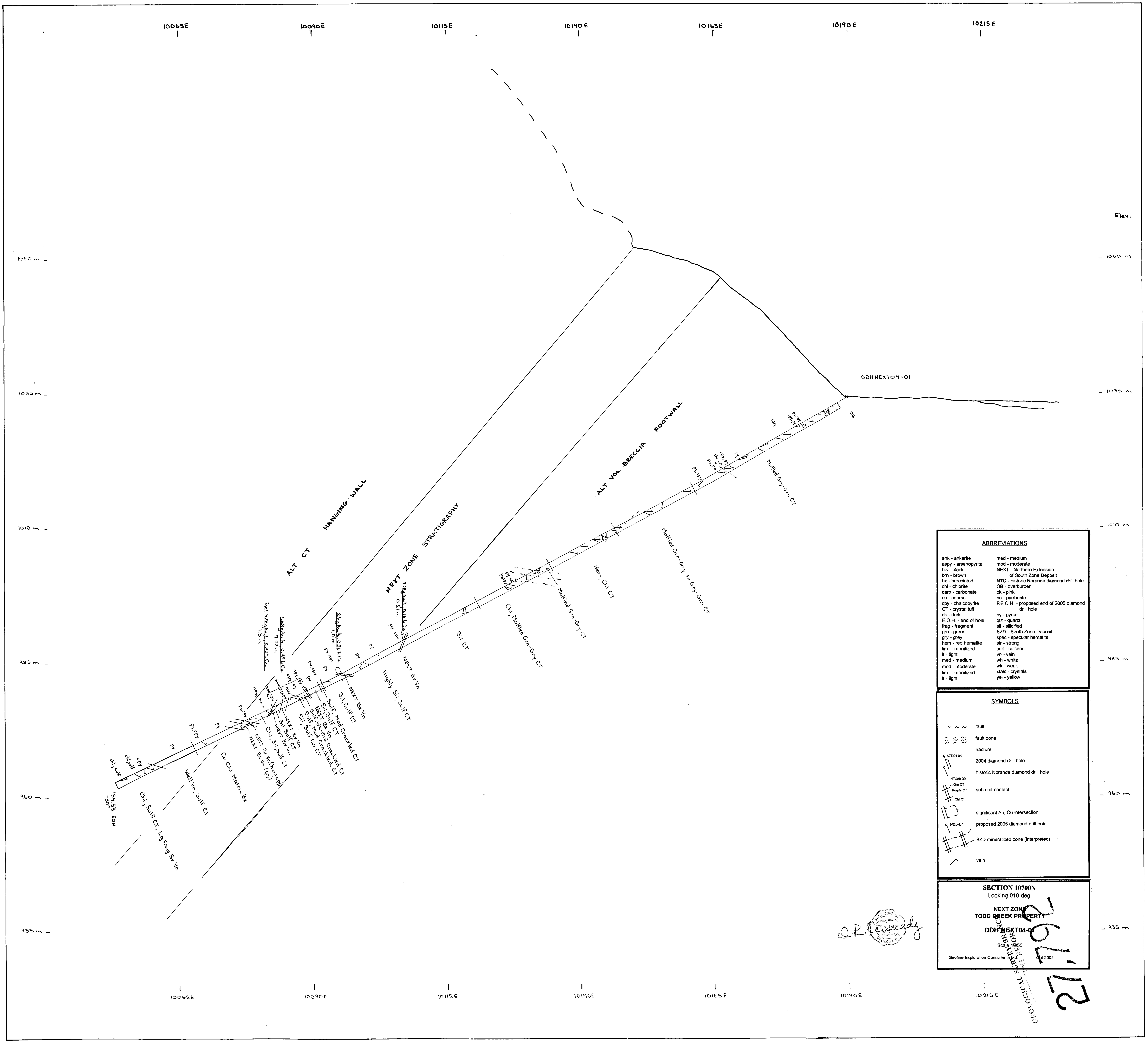
SECTION 10115N
Looking 010 deg.

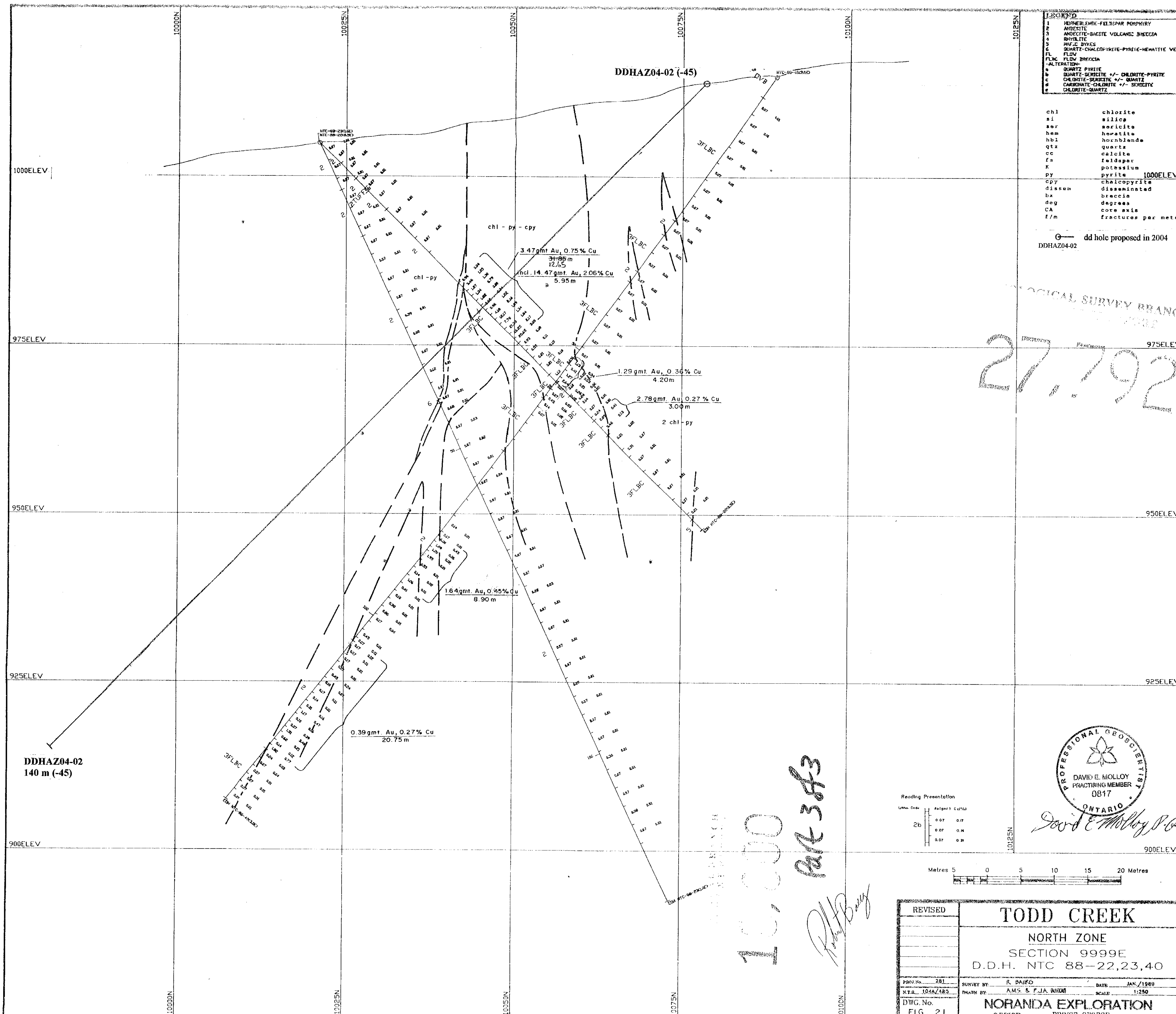
SOUTH ZONE
TODD CREEK PROPERTY

DDH SZD04-01
Historic DDH NTC88-26, 27, 28
from Section 10116N

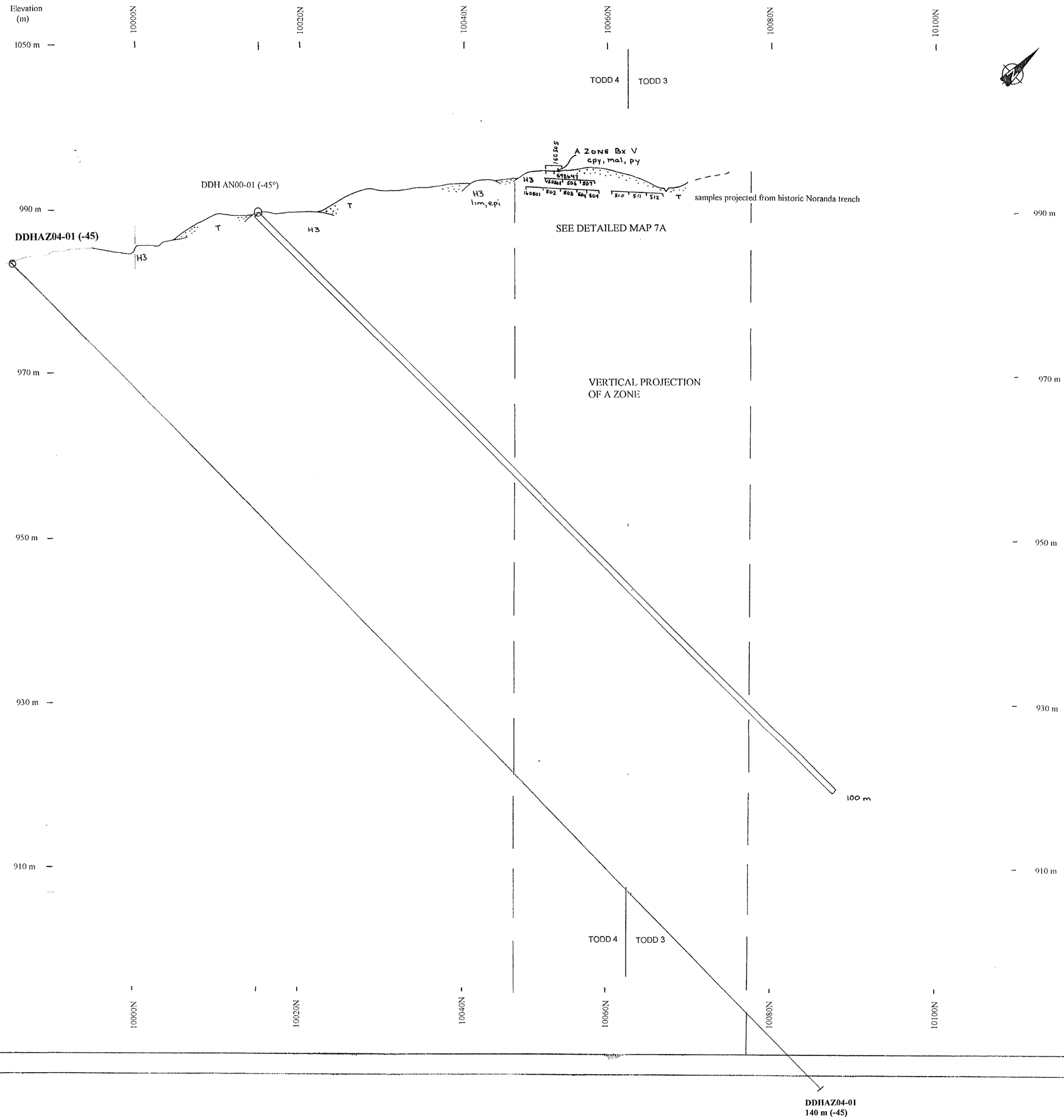
Scale 1:250

Cominco Exploration Consultants Ltd. — Oct 2004


10065E
10090E
10115E
10140E
10165E
10190 E
10215 E
Elev.
1060 m
1035 m
1010 m
985 m
960 m
935 m
DDH NEXT04-01
OB
ALT CT HANGING WALL
NEXT ZONE STRATIGRAPHY
ALT VOL BRECCIA FOOTWALL
Mottled Gry-Grn CT
Mottled Grn-Gry to Gry-Grn CT
Hem, Chl CT
Mottled Grn-Gry CT
Chl, Mottled Grn-Gry CT
Sil CT
NEXT Bx Vn
Highly Sil, Sulf CT
7.28 g Au/t, 0.76% Cu
0.21 m
2.6 g Au/t, 0.26% Cu
1.0 m
1.68 g Au/t, 0.49% Cu
7.02 m
incl. 4.18 g Au/t, 0.92% Cu
1.5 m
Sil, Sulf CT
Sulf, Mod Crackled CT
Sil, Sulf CT
NEXT Bx Vn
Sulf, Wk-Mod Crackled CT
Sulf, Mod Crackled CT
Sil, Sulf Co CT
NEXT Bx Vn
Sil Sulf CT
NEXT Bx Vn
Chl, Sil, Sulf CT
NEXT Bx Vn (hem cpy)
NEXT Bx Vn (py)
Co Chl Matrix Bx
Well Vn, Sulf CT
Chl, Sulf CT, Lg Frag Bx Vn
154.53 EOH
-30°
py, cpy
py
cpy
chl, sulf
hem
po
chl vn
ABBREVIATIONS
ank - ankerite
aspy - arsenopyrite
blk - black
brn - brown
bx - brecciated
chl - chlorite
carb - carbonate
co - coarse
cpy - chalcopyrite
CT - crystal tuff
dk - dark
E.O.H. - end of hole
frag - fragment
grn - green
gry - grey
hem - red hematite
lim - limonitized
lt - light
med - medium
mod - moderate
lim - limonitized
lt - light
med - medium
mod - moderate
NEXT - Northern Extension of South Zone Deposit
NTC - historic Noranda diamond drill hole
OB - overburden
pk - pink
po - pyrrhotite
P.E.O.H. - proposed end of 2005 diamond drill hole
py - pyrite
qtz - quartz
sil - silicified
SZD - South Zone Deposit
spec - specular hematite
str - strong
sulf - sulfides
vn - vein
wh - white
wk - weak
xtals - crystals
yel - yellow
SYMBOLS
fault
fault zone
fracture
SZD04-04
2004 diamond drill hole
historic Noranda diamond drill hole
NTC88-39
Lt Grn CT
Purple CT
Chl CT
sub unit contact
significant Au, Cu intersection
P05-01
proposed 2005 diamond drill hole
SZD mineralized zone (interpreted)
vein
SECTION 10700N
Looking 010 deg.
NEXT ZONE
TODD CREEK PROPERTY
DDH NEXT04-01
Scale 1:250
Geofine Exploration Consultants Ltd.
Oct 2004
D.R. KENNEDY
GEOSCIENTIST
GEOLOGICAL SURVEY BRANCH
27,292



Geofine Exploration Cons. Ltd. Rev: Nov. 2004



LEGEND

ROCK TYPES

Q thick drift, coluvium, 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 ukndifferentiated volcanics (basalt, pillowed basalt, volcanic breccia)

HAZELTON GROUP - LOWER AND MIDDLE JURASSIC

- H1 ferrocrete
- 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	alder	lim	limonite
AM	alpine meadow	mal	malachite
ank	ankerite	md	morainal debris
ba	barite	Mn	mangnese
bldr	boulder	ms	semi massive sulfides
bo	bornite	ox	oxidized
bt	boulder terrain	py	pyritized
bx	brecciated	q vn	quartz vein
cal	calcite	sb	scrub brush
carb	carbonatized	sd/gr	sand/gravel
ch	chloritized	ser	sericitized
cpy	chalcopyrite	sil	silicified
epi	epidotized	sp	spruce
gn	galena	spec	specularite
hem	hematized	sph	sphalerite
hbl	hornblende	stwk	stockwork
jar/alu	jarosite/alunite	T	talus
		v	vein

SYMBOLS

598647 historic rock sample & location
160508 1999 rock sample & location
509

- SS stream sediment sample
- SO soil sample
- RC rock composite sample
- 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

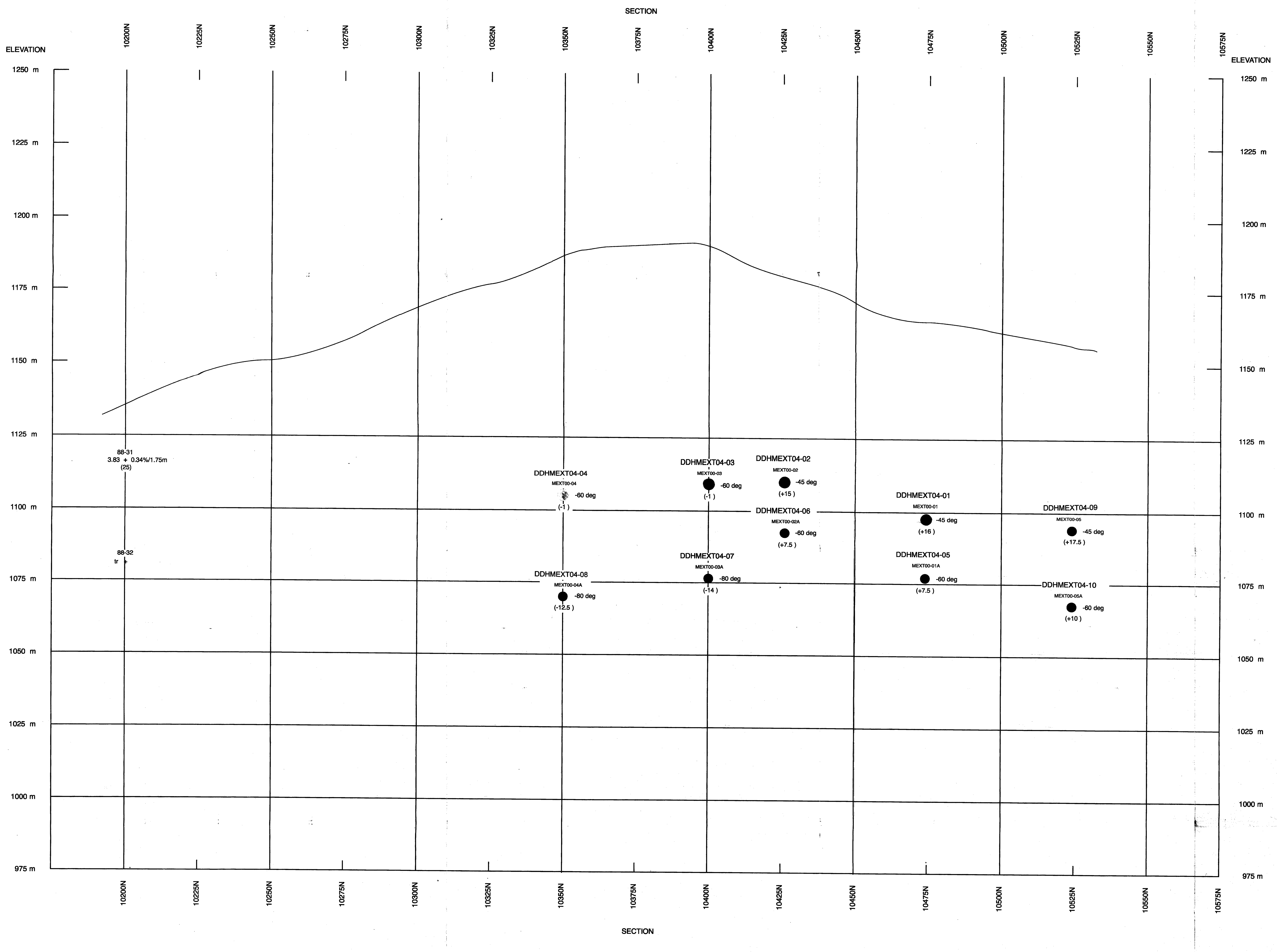
interpreted fault
TODD 4 | TODD 3 claim line
creek
dd hole spotted in 1999
stream and direction
DDHAZ04-01 dd hole proposed in 2004

A ZONE, NORTH GRID
SECTION 10097.5E
Looking 315 deg.
TODD CREEK PROPERTY
Proposed **DDHAZ04-01** to intersect Vertical Projection of A Zone
Scale 1:250
Geofine Exploration Cons. Ltd. Rev: Nov. 2004

APPENDIX D

LIST OF VERTICAL LONGITUDINAL SECTIONS:

NORTHING (N)
ELEVATION (m)
Surface
Camp Creek
Camp Creek Fault
Zinc Gully Fault
MEXT Zone Fault
NEXT Zone Fault
North NEXT Zone Fault
FP1
BP1
PSZD05-02
PSZD05-01
PSZD05-03
PSZD05-04
PM05-01
PM05-02
PM05-03
PM05-04
PN05-01
N04-01
LEGEND
+ Projected intercept point
88-30 Diamond drill hole number
4.28 + 0.54%/1m GMP Au + %Cu/core length
(-5) Distance projected to section from west
(5) Distance projected to section from east
+ PM05-01 Proposed intercept of 2005 diamond drill hole
Interpreted main South plunge axis of mineralized shoot
Interpreted north (back) plunge axis of mineralized shoot
Scale 1:1000
VERTICAL LONGITUDINAL SECTION 1
Projected to BL 10000E
Looking 280 degrees
TODD CREEK PROPERTY
SOUTH ZONE DEPOSIT
Geofine Exploration Consultants Ltd. Jan. 2005
27,7



VERTICAL LONGITUDINAL SECTION 1A
Projected to BL 10075E
Looking 280 degrees
TODD CREEK PROPERTY,
SOUTH ZONE DEPOSIT - MEXT ZONE

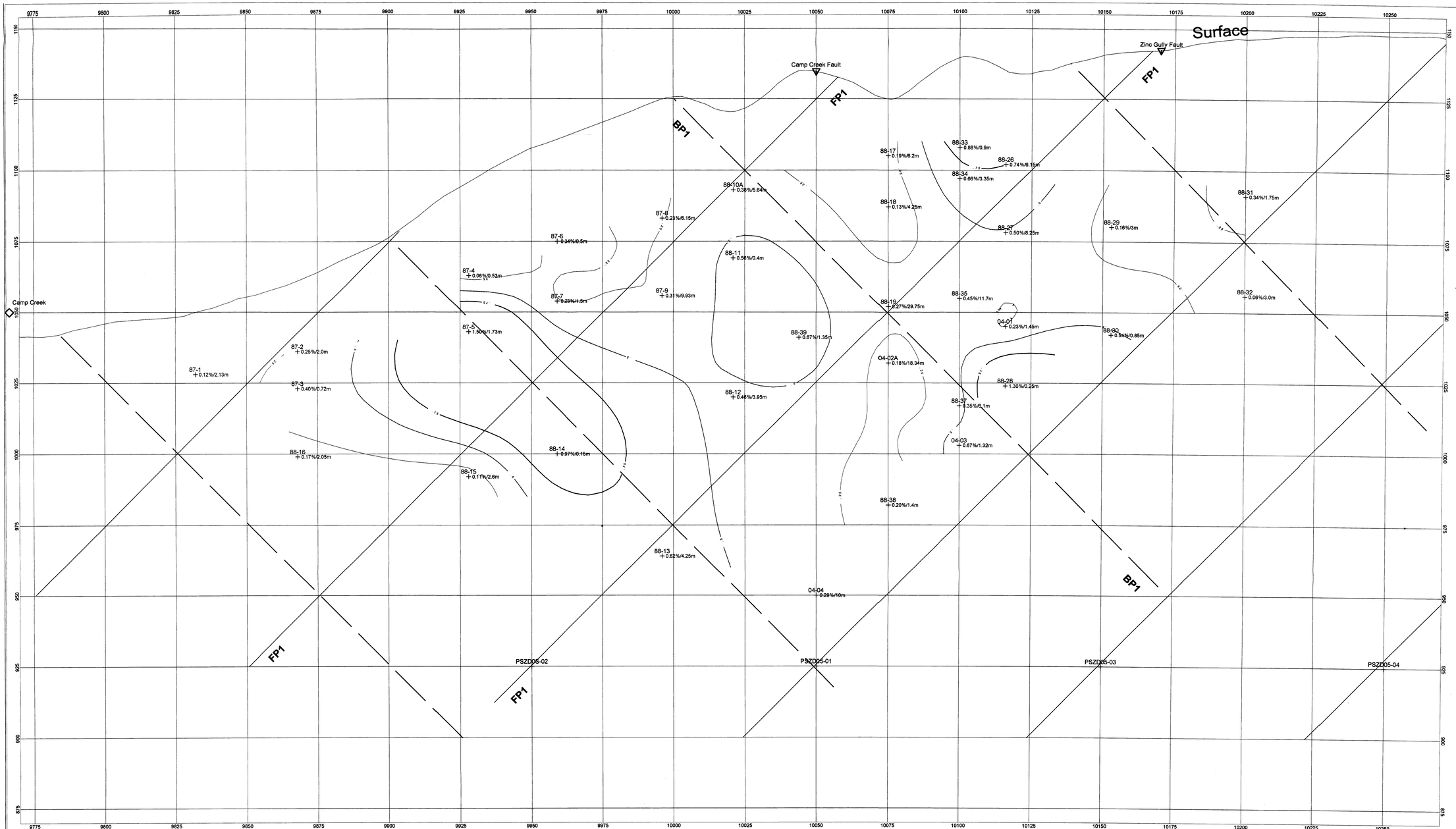
+	Projected intercept point (Noranda)
88-31	Diamond drill hole number (Noranda)
3.83 + 0.34% /1.75m	GMP Au + Cu%/core length
(-25)	Distance projected to section from west
(25)	Distance projected to section from east
MEXT00-01 ●	Proposed Y2K confirmation & stepout holes and projected intercept point
-45 deg	Proposed dip of Y2K DDH
———	Interpreted main South plunge axis of mineralized shoot
— —	Interpreted north (back) plunge axis of mineralized shoot

Scale 1:500

Geofine Exploration Consultants Ltd.

November 2000
Modified March 2004


Surface
Camp Creek Fault
Zinc Gully Fault
Camp Creek
FP1
BP1
87-1
87-2
87-3
87-4
87-5
87-6
87-7
87-8
87-9
88-10A
88-11
88-12
88-13
88-14
88-15
88-16
88-17
88-18
88-19
88-26
88-27
88-28
88-29
88-30
88-31
88-32
88-33
88-34
88-35
88-37
88-38
88-39
04-01
04-02A
04-03
04-04
PSZD05-01
PSZD05-02
PSZD05-03
PSZD05-04
LEGEND
4.28 + GMP AU AND INTERCEPT POINT
88-30 Diamond drill hole number
+ PSZD05-01 Proposed intercept of 2005 diamond drill hole
Interpreted main South plunge axis of mineralized shoot
Interpreted north (back) plunge axis of mineralized shoot
CONTOUR INTERVALS OF GMP
10
20
50
Scale 1:500
10 0 10 20 30
metres
GEOLOGICAL SURVEY BRANCH ASSESSMENT REPORT
DAVID E. MOLLOY PRACTISING MEMBER 0817 ONTARIO
David E Molloy, P.Geo
VERTICAL LONGITUDINAL SECTION 1.1
Projected to BL 10000E
Looking 280 degrees
TODD CREEK PROPERTY
SOUTH ZONE DEPOSIT
Geofine Exploration Consultants Ltd. Jan. 2005



LEGEND

+ 0.54%/1m	Intercept point and Cu%/core length
88-30	Diamond drill hole number
+ PSZD05-01	Proposed intercept of 2005 diamond drill hole
———	Interpreted main South plunge axis of mineralized shoot
— — —	Interpreted north (back) plunge axis of mineralized shoot

CONTOUR INTERVALS

- 0.25 %Cu
- 0.5 %Cu
- 0.75 %Cu

Scale 1:500

10 0 10 20 30 metres

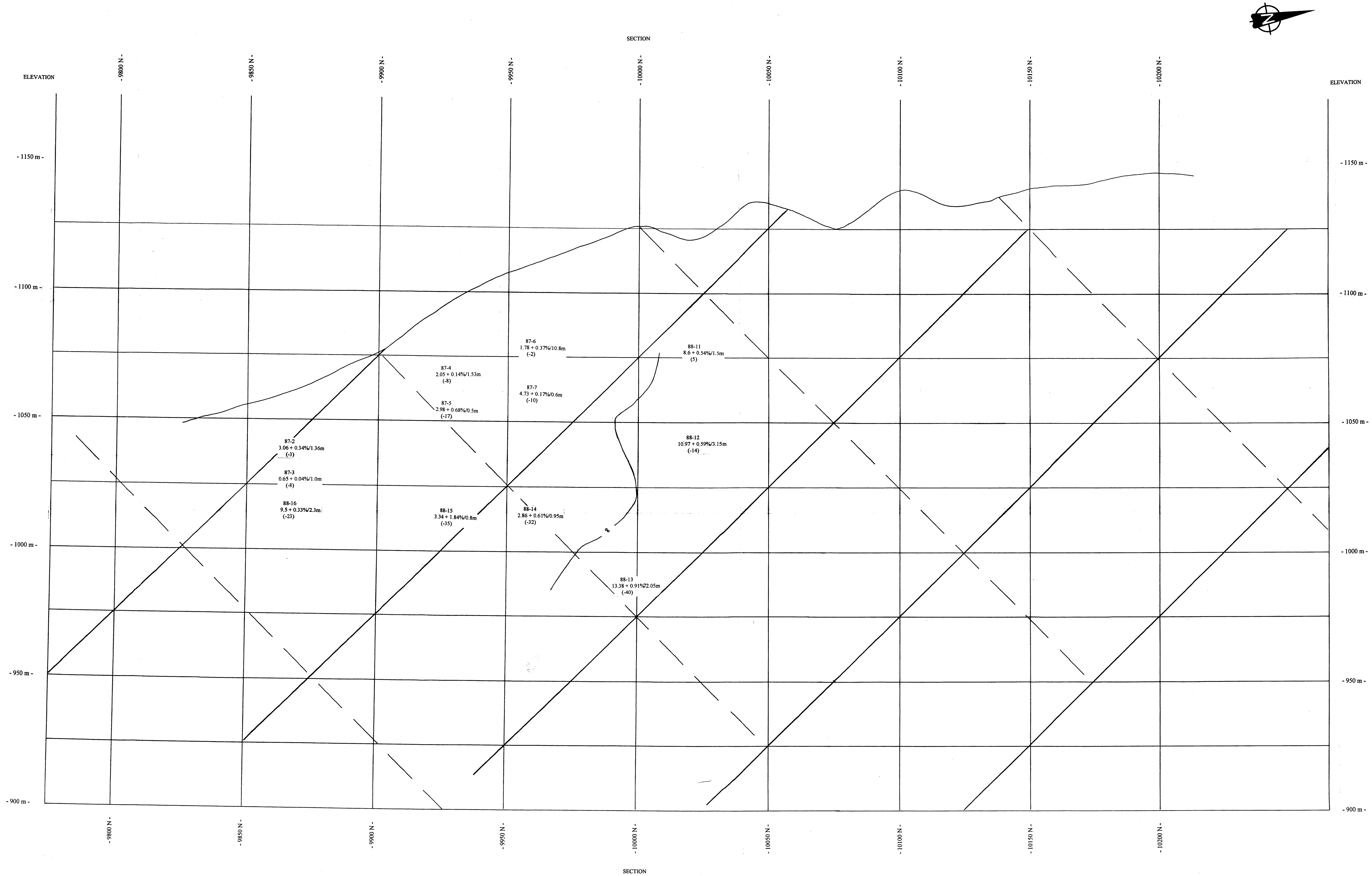
PROFESSIONAL GEOSCIENTIST
DAVID E. MOLLOY
PRACTISING MEMBER
0817
ONTARIO
David E Molloy, P.Geo.

VERTICAL LONGITUDINAL SECTION 1.2

Projected to BL 10000E
Looking 280 degrees

TODD CREEK PROPERTY
SOUTH ZONE DEPOSIT

Geofine Exploration Consultants Ltd. Jan. 2005



VERTICAL LONGITUDINAL SECTION 2, ZONE B

Projected to BL 10000E

Looking 280 degrees

TODD CREEK PROPERTY,

SOUTH ZONE DEPOSIT

+	Projected intercept point
88-30	Diamond drill hole number (Noranda)
4.28 + 0.54%/0/85m	GMP Au + Cu%/core length
(-5)	Distance projected to section from west
(5)	Distance projected to section from east
—— 16 ——	16 gram meter product gold contour
SZ00-01	Proposed Y2K confirmation & stepout drill holes
————	Interpreted main South plunge axis of mineralized shoot
—— ——	Interpreted north (back) plunge axis of mineralized shoot

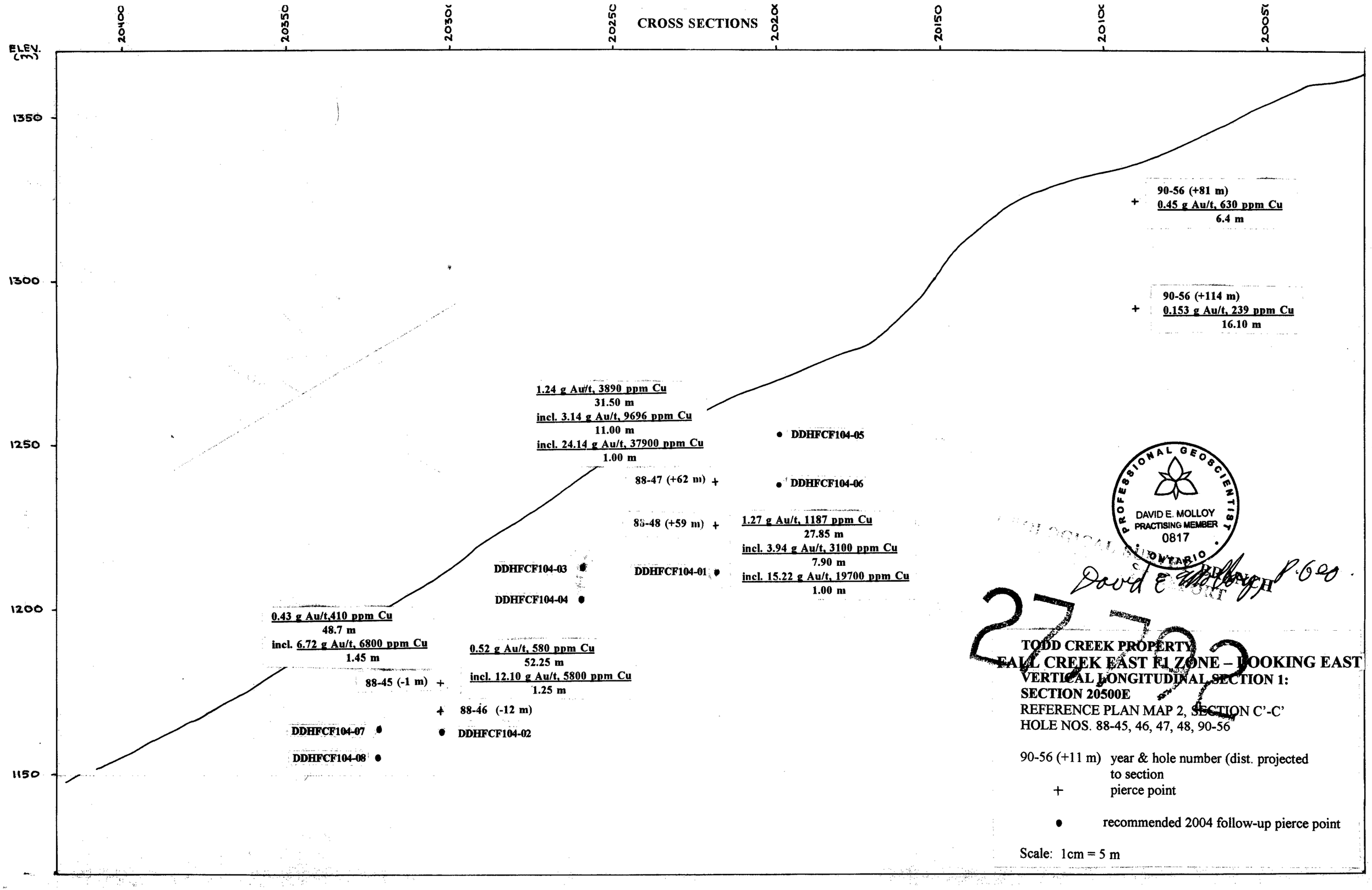
Scale 1:500

Geofine Exploration Consultants Ltd. Oct 1999

PROFESSIONAL GEOSCIENTIST
DAVID E. MOLLOY
PRACTISING MEMBER
0817
ONTARIO

David E Molloy
P. Geo.

CROSS SECTIONS



PROFESSIONAL GEOSCIENTIST
DAVID E. MOLLOY
PRACTISING MEMBER
0817
ONTARIO

David E. Molloy P.Geo.

27722

TODD CREEK PROPERTY
FALL CREEK EAST F1 ZONE – LOOKING EAST
VERTICAL LONGITUDINAL SECTION 1:
SECTION 20500E
REFERENCE PLAN MAP 2, SECTION C'-C'
HOLE NOS. 88-45, 46, 47, 48, 90-56

90-56 (+11 m) year & hole number (dist. projected to section
\+ pierce point

• recommended 2004 follow-up pierce point

Scale: 1cm = 5 m

CROSS SECTIONS

10125 E | 10150 E | 10175 E | 10200 E | 10225 E | 10250 E | 10275 E | 10300 E | 10325 E

1000

975

950

925

Fall Creek

TODD CREEK PROPERTY
NORTH A ZONE - LOOKING NORTHEAST
VERTICAL LONGITUDINAL SECTION
SECTION 10000N
REFERENCE PLAN MAP 2, SECTION A'-A'
HOLE NO. 90-49

90-49 (-15m) year & hole number (dist. projected to section)

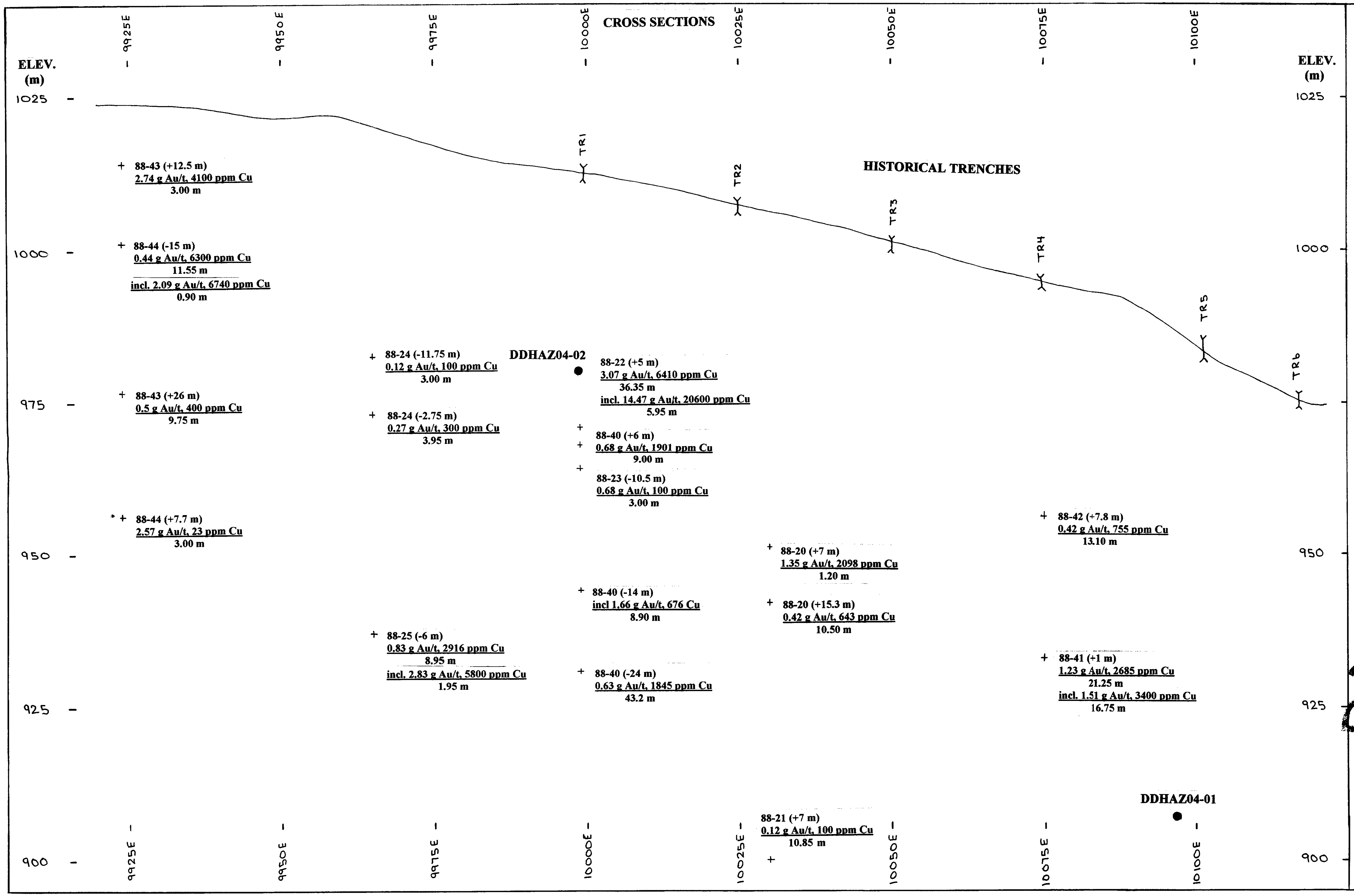
\+ pierce point

● recommended follow-up pierce point

Scale: 1 cm = 5 m

1999

90-49 (-15 m)
0.61 g Au/t, 746 ppm Cu
17.9 m
incl. 3.37 g Au/t, 2744 ppm Cu
2.85 m



PROFESSIONAL GEOSCIENTIST
DAVID E. MOLLOY
PRACTISING MEMBER
0817
ONTARIO

David E. Molloy, P.Geo.

TODD CREEK PROPERTY
NORTH A ZONE – LOOKING NORTHEAST
VERTICAL LONGITUDINAL SECTION
SECTION 10050N
REFERENCE PLAN MAP 2, SECTION B'-B'
HOLE NOS. 88-20, 21, 22, 23, 24, 25, 40, 41, 42, 43, 44

88-20 (+7 m) year & hole number (dist. projected to section

\+ pierce point

● recommended 2004 follow-up pierce point

Scale: 1cm = 5 m