PALADIN
RESOURCES N.L.
A.C.N. 061 681 098

EDEN CREEK PTY LTD

RELINQUISHMENT REPORT
on
Exploration Licence 8216

PINE CREEK

NORTHERN TERRITORY

COVERING THE PERIOD

15 September 1993 to 14 September 1995

COMPILED BY: K S TAYLOR

November 1995

(i) SUMMARY

EL 8216 was granted to Eden Creek Pty Ltd, a subsidiary of Paladin Resources NL on 15 September 1993 with an area of 8 blocks. The tenement was halved, as of 15 September 1995, to 4 blocks. This report details all work carried out on the surrendered area.

Work carried out on the area surrendered during the first year included aeromagnetic data interpretation, geological mapping with 21 rock chip samples, stream sediment sampling and geochemical analyses.

Work carried out during the second year of tenure included follow-up stream sediment sampling (12 samples) of two low order stream anomalies and 1 BLEG anomaly. Results were disappointing.

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1. INTRODUCTION

Exploration Licence 8216, covering an area of eight blocks (26km²) was granted on 15 September 1993 to Eden Creek Pty Ltd, which was subsequently acquired by Paladin Resources NL (Paladin) as a wholly owned subsidiary prior to the listing of Paladin on the Western Australian Stock Exchange. It was reduced in area to 4 blocks (13km²) at the second anniversary on 15 September 1995.

The tenement is one of several worked by Paladin as the Central Pine Creek Project.

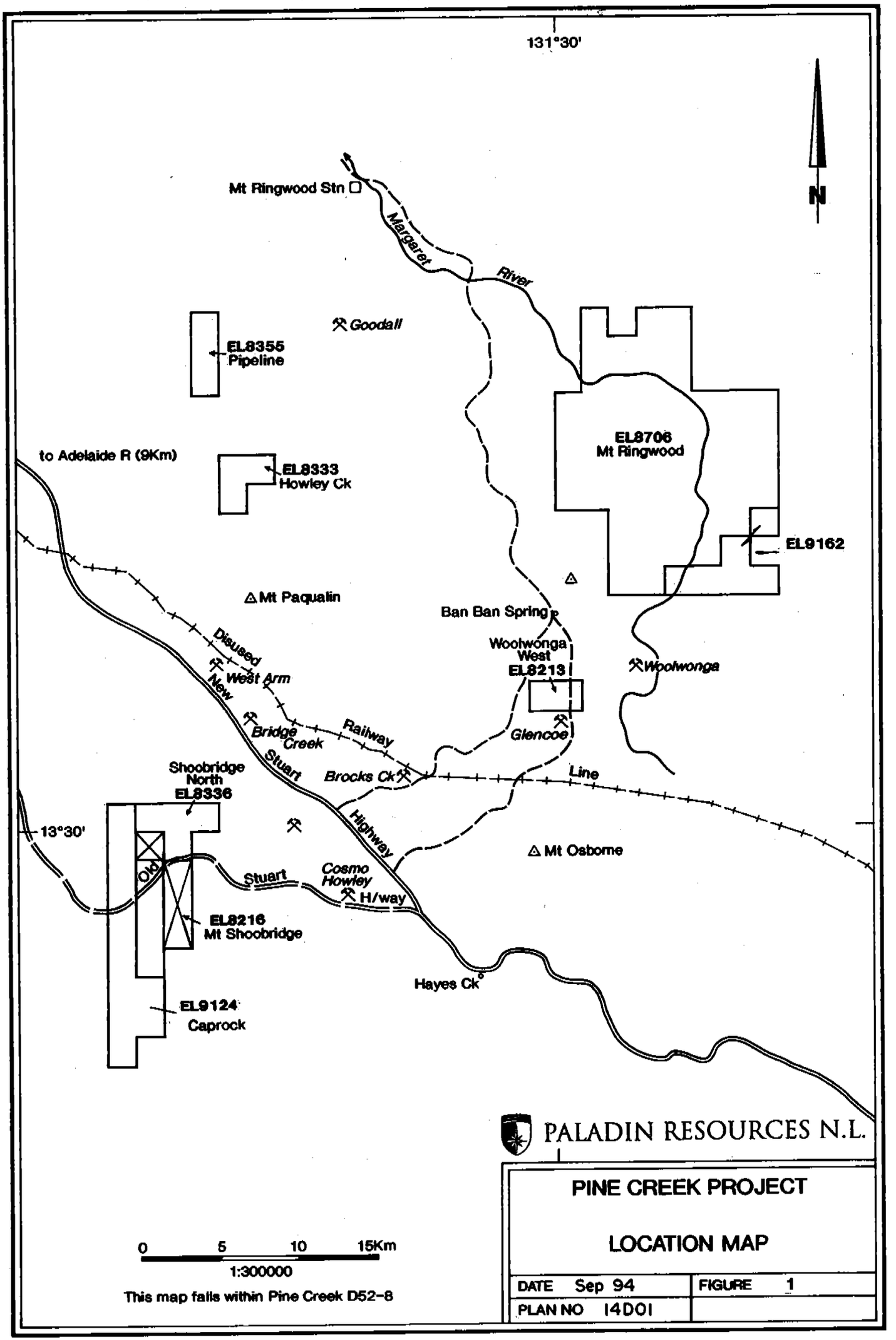
This report covers exploration work carried out by Paladin during the two years of tenure on the area surrendered.

2. LOCATION

EL 8216 lies approximately midway between Batchelor and Pine Creek on the PINE CREEK 1:250,000 map sheet SD 52-8 and FENTON 1:50,000 map sheet 14/5-I *(Figure 1).*

3. GEOLOGY

The Central Pine Creek Project lies within the Central Marrakai Structural Domain with the majority of tenement areas situated adjacent to the Howley Anticline. In this region the prospective South Alligator Group rocks have been uplifted by intruding granitoid plutons such as the Burnside Granite and subsequently exposed on the flanks and marginal to the cores of regional domes. Gold mineralisation occurs preferentially within carbonaceous and sulphidic units of the South Alligator Group in quartz reefs or stockworks in a variety of structural settings though usually in association with anticlinal axes. Most gold deposits lie between 500 metres and 1000 metres from the granite contact.


131°30'
N
Mt Ringwood Stn
Margaret River
Goodall
EL8355
Pipeline
EL8706
Mt Ringwood
EL9162
to Adelaide R (9Km)
EL8333
Howley Ck
Mt Paqualin
Ban Ban Spring
Woolwonga West
EL8213
Woolwonga
Disused New West Arm Railway
Bridge Creek
Glencoe
Stuart Highway
Brocks Ck
Line
Shoobridge North
EL8336
13°30'
Mt Osborne
Old Stuart
Cosmo Howley H/way
EL8216
Mt Shoobridge
Hayes Ck
EL9124
Caprock
0 5 10 15Km
1:300000
This map falls within Pine Creek D52-8
PALADIN RESOURCES N.L.
PINE CREEK PROJECT
LOCATION MAP
DATE Sep 94
FIGURE 1
PLAN NO 14D01

Stratigraphically the South Alligator Group consists of the basal Koolpin Formation made up of BIF, carbonaceous phyllite and siltstone overlain by tuff, siltstone and phyllite of the Gerowie Tuff, and is topped by phyllite, chert and BIF of the Mt Bonnie Formation. Burrell Creek Formation flysch sediments of the Finnis River Group conformably overly the South Alligator Group. The sediments were intruded by the Zamu Dolerite before the onset of metamorphism and deformation. The rocks are metamorphosed to lower greenschist facies by the Pine Creek orogeny. The tight isoclinal folds trend north and north-west and are refolded by east-west trending open folds.

4. INVESTIGATIONS

4.1 Airborne Magnetics

High resolution multi-client aeromagnetic data, covering the tenement and surrounding areas, was purchased from World Geoscience. The survey was flown by Aerodata Holdings Ltd during the period December 1987 - May 1988. The data was used to provide an in-house interpretation of the physical structure in geology of the area *(Figure 2)*.

4.2 Geological Mapping

The tenement was mapped on aerial photo overlays at a scale of 1:25,000. The geology consists of rocks of the Burrell Creek Formation with Shoobridge granite overlapping to the north. The Burrell Creek Formation contains typical white mica bearing greywacke and siltstone. The Shoobridge granite has a halo of biotite rich hornfels. The north-south Carruthers Fault traverses the tenement in the west and the mapping shows several anticlines with axes plunging north or northwest. A total of 21 rock chip samples were collected and sent for assay.

745000 mE

747500 mE

131°15'

131°17'30"

13°30'

8505000 mN

8502500 mN

13°32'30"

8500000 mN

8497500 mN

13°35'

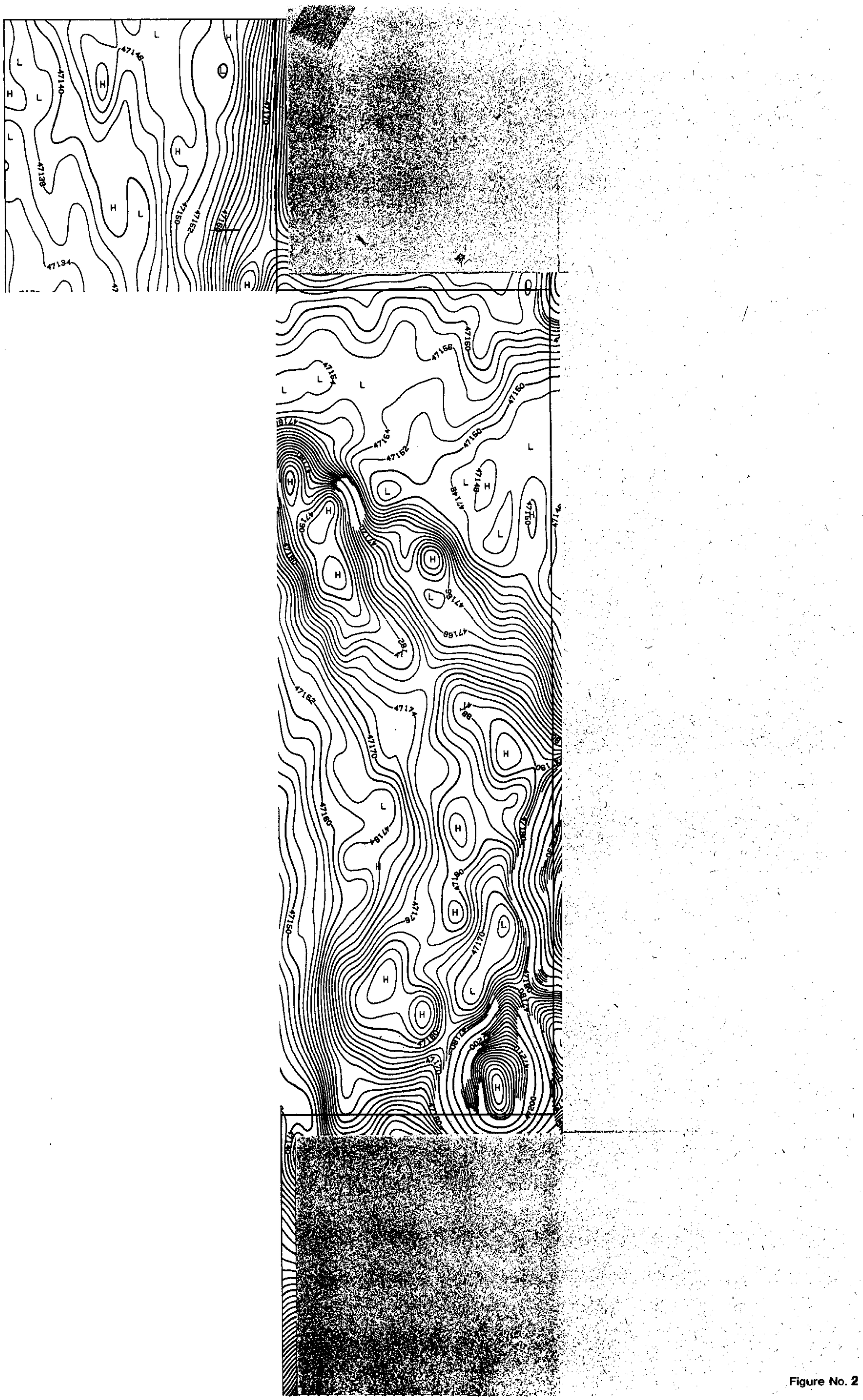


Figure No. 2

Rock chips assays returned anomalous values in the surroundings of a east northeast trending fault on the southeastern edge of Mount Shoobridge granite. This fault contains abundant graphite and is linked to a copper deposit, where cobalt is also abundant. *(Map 1, Figure 3, Appendix 1)*

4.3 Stream Sediment Sampling

4.3.1 First Year

A total of 110 stream sediment samples were taken at 55 selected sample points on streams draining the tenement area. Two samples, a BLEG and - 200 mesh, were taken at each site.

The sampling returned three low anomalous values, 22.8 ppb Au in BLEG sample 398, 7 and 8 ppb Au in -200 mesh samples in respectively 403 and 375. *(Figure 4 & 5, Appendix 2)*

4.3.2 Second Year

The anomalous samples were followed up with a further 12 samples taken from the -200 mesh fraction, sieved on site and sent to Assaycorp for Au analysis. The results were disappointing. *(Figure 4)*

4.4 Geochemistry

The rock chip samples were sent to Australian Laboratory Services Pty Ltd at Alice Springs for gold analysis using method PM 205 (aqua regia AAS).

The stream sediment samples were sent to Assaycorp Pty Ltd at Pine Creek using the fire assay method with a detection limit of .001ppm Au. *(Appendix 1 & 2)*

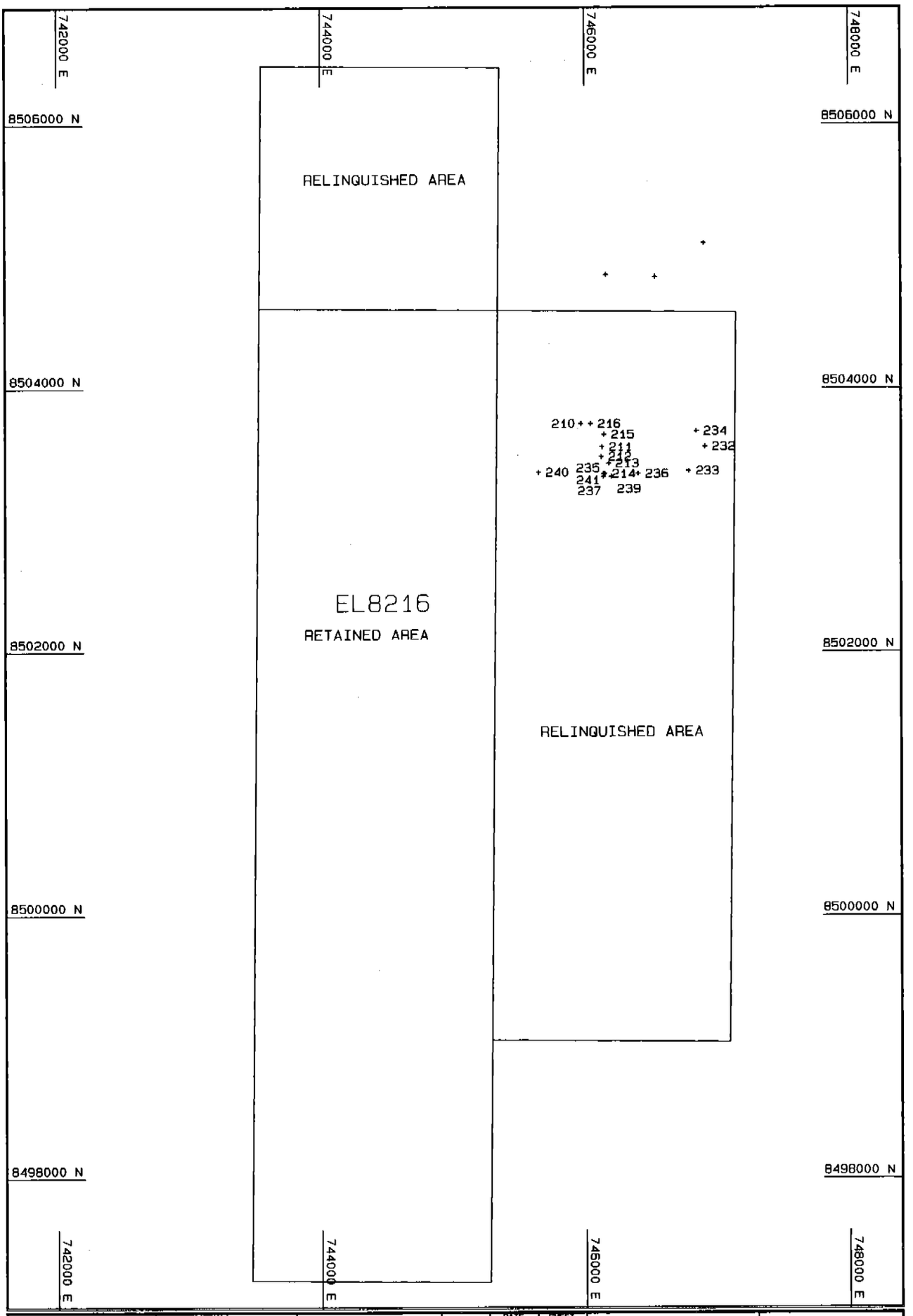

742000 E
744000 E
746000 E
748000 E
8506000 N
8504000 N
8502000 N
8500000 N
8498000 N
RELINQUISHED AREA
EL8216
RETAINED AREA
RELINQUISHED AREA
210
216
215
234
232
211
212
213
240
235
241
237
214
236
233
239
Scale
1: 40000
DATE
24/10/95
SHEET
1 of 1
REF No.
8216RK3
PALADIN RESOURCES N.L.
EL 8216 - RELINQUISHED AREA
ROCK CHIP SAMPLE LOCATIONS

Figure No. 3

131°15'

131°17'

13°31'

13°34'

N

EL8336

EL8216

•265

•278

•266

Creek

culvert

Bridge

0 500 1000m

1:25000

385 ● Sample point (Sept94)

2 −200mesh Au result in PPB

457 ○ Follow up sampling (Nov94)

PALADIN RESOURCES N.L.

PINE CREEK PROJECT
EL 8216
STREAM SEDIMENT SURVEY
Au PPB
−200 MESH SAMPLES

DATE Nov 94	FIGURE 4
PLAN NO 14C08	

131°15'

131°17'

13°31'

13°34'

•278

•265

•266

EL8336

EL8216

Creek

culvert

Bridge

SHOOBRIDGE

438 0·5

0·8 357

0·4 303

301 0·5

305 1·0

0·5 315

1·29 107

109 2·62

0·53 113

110 1·05

1·54 114

1·3 307

1·04

313 0·3

311 0·7

102

309 1·6

0·3 323

321 0·7

0·8 319

0·4 317

0·8 325

1·4 353

355 0·8

416 0·6

414 0·4

0·8 412

410 0·7

408 0·3

406 0·1

0·1 396

392 0·2

0·1 390

22·8 398

400 0·4

0·3 402

0·8 404

0·6 300m South

46

47

64

0 500 1000m

1:25000

386 Sample point & number

0·3 BLEG sample Au result in PPB

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PINE CREEK PROJECT
EL 8216
STREAM SEDIMENT SURVEY
Au PPB
BLEG SAMPLES

DATE Sep 94	FIGURE 5
PLAN NO 14C09	

ABBREVIATION CODE FOR SAMPLE RESULT PRINTOUTS

GRP	ROCK GROUP
TY	ROCK TYPE
IM	INDICATOR MINERAL
A1	ALTERATION TYPE 1
S1	STRENGTH OF ALTERATION 1
A2	ALTERATION TYPE 2
S2	STRENGTH OF ALTERATION 2
A3	ALTERATION TYPE 3
S3	STRENGTH OF ALTERATION 3
MN	MINERALISATION
G	GRAIN SIZE
TX	TEXTURE
SCINT	SCINTILLOMETER
PET	PETROLOGY
CODE	INTERNAL MANAGEMENT FILE

[redacted] TYPE [redacted] RO[redacted] [redacted] INERAL [redacted] ROCK TEXTURE

FIRST COLUMN

SAMPLE TYPE

Point Sample ---------- 1
Channel Sample, Drillhole Section ---------- 2
Composite Sample ---------- 3
Bulk Sample ---------- 4
Other ---------- 5

SECOND & THIRD COLUMNS

BEDROCK - NATURAL EXPOSURES ---------- 00

Rock in situ (Outcrop) ---------- 01
Rock not in situ (scree, boulders) ---------- 02
Specimen ---------- 03
Other ---------- 04

SOIL - NATURAL EXPOSURES ---------- 10

Residual ---------- 11
Transported ---------- 12
Organogenic ---------- 13
Other ---------- 14

STREAM SEDIMENTS ---------- 20

Sediments - Active ---------- 21
Sediments from Bank or Bar ---------- 22
Other ---------- 23

DRILLHOLE CUTTINGS OF BEDROCK ---------- 30

Hand Auger ---------- 31
Auger ---------- 32
Vacuum ---------- 33
Rotary Air Blast ---------- 34
Percussion ---------- 35
Reverse Circulation ---------- 36
Air Core ---------- 37
Diamond Core ---------- 38
Other ---------- 39

SECOND & THIRD COLUMNS

DRILLHOLE CUTTINGS OF SURFICIAL DEPOSITS ---------- 40

Hand Auger ---------- 41
Auger ---------- 42
Vacuum ---------- 43
Rotary Air Blast ---------- 44
Percussion ---------- 45
Reverse Circulation ---------- 46
Air Core ---------- 47
Diamond Core ---------- 48
Other ---------- 49

TRENCHES/PITS ---------- 50

Surficial Deposits ---------- 51
Bedrock (in general) ---------- 52
Wall Rock of Ore ---------- 53
Ore ---------- 54
Others ---------- 55

MINE/SHAFT/OPEN CUT ---------- 60

Surficial Deposits ---------- 61
Bedrock (in general) ---------- 62
Wall Rock of Ore ---------- 63
Ore ---------- 64
Tailings ---------- 65
Dump Material ---------- 66
Other ---------- 67

WATER ---------- 70

Spring/Seeping ---------- 71
Swamp ---------- 72
Earth Dam ---------- 73
Lake ---------- 74
River ---------- 75
Bore/Well ---------- 76
Other ---------- 77

GEOBOTANICAL SAMPLES ---------- 80

TECHNOLOGICAL SAMPLES ---------- 90

AI	ACID ROCK
AV	ACID VOLCANIC
AD	ADAMELLITE
AG	AGGLOMERATE
AA	ALASKITE
AL	ALBITITE
AE	ALNOITE
AM	AMPHIBOLITE
AN	ANDESITE
AT	ANDESITIC TUFF
AO	ANORTHOSITE
AP	APLITE
AB	ARENITE
AR	ARGILLITE
AK	ARKOSE
AS	ASH
BF	BANDED IRON FORMATION
BS	BASALT
BK	BASALTIC KOMATILITE
BT	BASALTIC TUFF
BA	BASANITE
BI	BIOCLASTIC ROCK
BL	BLACK SHALE
BX	BRECCIA (GEN)
BR	BRONZITITE [=ORPX]
CS	CALC-SILICATE
CC	CALCRETE
CB	CARBONATITE
CT	CATACLASITE
CM	CEMENT [=FONDUE]
CK	CHARNOCKITE
CH	CHERT
CL	CHLOTIRE SCHIST
CR	CHROMITITE
CU	CLAY, UNCONSOLIDATED
CY	CLAYSTONE
CX	CLINOPYROXENITE
CG	CONGLOMERATE
CQ	COQUINA
XT	CRYSTAL TUFF
DC	DACITE
DB	DIABASE
DT	DIATOMITE
DR	DIORITE
DL	DOLERITE
DO	DOLOMITE
DM	DOLOMITIC LIMESTONE
DU	DUNITE
DJ	DURICRUST
EC	ECLOGITE
EV	EVAPORITE
FG	FAULT GOUGE
FL	FELSITE
FP	FELSPAR PORPHYRY
FE	FERRICRETE
FZ	FERRUGINOUS ZONE
GB	GABBRO
GL	GLASS
GN	GNEISS
GO	GOSSAN
GR	GRANITE
GD	GRANODIORITE
GF	GRANOFELS
GP	GRANOPHYRE
GL	GRANULITE
GS	GREENSCHIST
GE	GREISEN
GW	GREYWACKE
GT	GRIT
HZ	HARZBURGITE
HF	HORNFELS
IG	IGNEOUS (GEN)
IM	IGNIMBRITE
IN	INTRUSIVE (GEN)
IR	IRONSTONE (GEN)
JA	JASPER (GEN)
KM	KIMBERLITE
KP	KIMBERLITIC PERIDOTITE
KO	KOMATIITE
LN	LAMPROPHYRE
LT	LAPILLI TUFF
LP	LAPILLI
LH	LATERITE CAP, HARD
LS	LATERITE CAP, SOFT
LO	LATERITE MOTTLED ZONE
LL	LATERITE PALLID ZONE
LR	LATERITE
LA	LATITE
LH	LHERZOLITE
LI	LIMBURGITE
LE	LIMESTONE
LC	LOST CORE
LU	LUTITE
MF	MAFIC VOLCANIC
MA	MAGNETITITE
MR	MARBLE
ML	MARL
MP	MASSIVE SULPHIDES
MS	METASEDIMENT
MV	METAVOLCANIC
MC	MICA SCHIST
MI	MIGMATITE
MX	MIXE-ROCK
MZ	MONZONITE
MU	MUD, UNCONSOLIDATED
MD	MUDSTONE
MD	MULLOCK
MY	MYLONITE
MR	NORITE
OB	OBSIDIAN
OV	OLD WORKINGS
OL	OLIVINE GABBRO
OP	OPAL
ON	ORTHOGNEISS
OY	ORTHOPYROXENITE
PN	PAGMATITE
PC	PEBBLE CONGLOMERATE
PB	PEBBLES, UNCONSOLIDATED
PA	PEBBLY SANDSTONE
PG	PEGMATITE
PL	PELITE
PR	PERIDOTITE
PT	PHONOLITE
PO	PHOSPHORITE
PH	PHYLLITE
PF	PHYLLONITE
PI	PICRITE
PS	PISOLITE
PO	PORCELLANITE
PP	PORPHYRY
PM	PSAMMITE
PE	PSEPHITE
PU	PUMICE
PX	PYROCLASTIC AGGLOMERATE
PY	PYROCLASTIC ROCK (GEN)
PX	PYROXENITE
QB	QUARTZ BASALT
QD	QUARTZ DIORITE
QF	QUARTZ FELSPAR PORPHYRY
QG	QUARTZ GABBRO
QL	QUARTZ LATITE
QM	QUARTZ MONZONITE
QP	QUARTZ PORPHYRY
QT	QUARTZITE
RO	RHYODACITE
RY	RHYOLITE
RC	ROCK (GEN)
RU	RUDITE
SA	SAND, UNCONSOLIDATED
SN	SANDSTONE
SP	SAPROLITE
SC	SCHIST
SF	SCORIA
SE	SEDIMENT (GEN)
SD	SEDIMENTARY ROCK
SR	SERPENTINITE
SH	SHALE
ST	SILCRETE
SU	SILT, UNCONSOLIDATED
SJ	SILTSTONE
SK	SKARN
SL	SLATE
SO	SOIL
SB	SPILITE
SY	SYENITE
SM	SYENODIORITE
TO	TACONITE
TT	TACTITE
TL	TAILINGS
TS	TALC SCHIST
TX	TECTONIC BRECCIA
TI	TILLITE
TN	TONALITE
TA	TRACHY-ANDESITE
TC	TRACHYTE
TR	TROCTOLITE
TF	TUFF
UR	UNIDENTIFIED ROCK
VN	VEIN
VA	VOLCANIC AGGLOMERATE
VC	VOLCANIC CONGLOMERATE
WC	WACKE
WB	WEBSTERITE
WT	WELDED TUFF
WH	WEHRLITE

AC	ACTINOLITE
AD	ADULARIA
AE	AEGIRINE
QG	AGATE
AB	ALBITE
AM	ALMANDINE
AL	ALUNITE
QA	AMETHYST
AX	AMPHIBOLE (GEN)
AA	ANDALUSITE
AJ	ANGLESITE
AH	ANHYDRITE
AK	ANKERITE
AN	ANORTHITE
AF	ANORTHOCLASE
AP	ANTHOPHYLLITE
AQ	ANTIGORITE
AT	APATITE
AR	ARAGONITE
AS	ARSENOPYRITE
AO	ASBESTOS
AZ	AZURITE
BA	BARITE
BE	BERYL
BI	BIOTITE
BM	BISMUTHINITE
BC	BLODN [COBALT]
BO	BORNITE
BR	BROCHANTITE
BZ	BRONZITE
BU	BRUCITE
CA	CALCITE
CB	CARBONATE (GEN)
CQ	CARNOTITE
CT	CASSITERITE
CE	CERUSSITE
QT	CHALCEDONY
CC	CHALCOCITE
CP	CHALCOPYRITE
CH	CHERT
CL	CHLORITE
CD	CHLORITOID
CR	CHROMITE
CX	CHRYSOCOLLA
CS	CHRYSOTILE
CM	CINNABAR
CY	CLAY
CX	CLINOPYROXENE (GEN)
C2	CLINOZOISITE
BC	COBALT BLOOM
CF	COFFINITE
CU	COPPER (NATIVE)
CO	CORDIERITE
CM	CORUNDUM
CV	COVELLITE
CW	CROCIDOLITE
CG	CROCOITE
CJ	CUPRITE
DD	DIAMOND
DC	DICKITE
DG	DIGENITE
DI	DIOPSIDE
DO	DOLOMITE
EN	ENARGITE
ES	ENSTATITE
EP	EPIDOTE
ER	ERYTHRITE
FA	FAYALITE
FQ	FELSPARS (GEN)
FE	FELSPATHOIDS (GEN)
FM	FERRIMOLYBDITE
FL	FLUORITE
FO	FORSTERITE
FU	FUCHSITE
GH	GAHNITE
GL	GALENA
GA	GARNET
GI	GIBBSITE
GS	GLASS, GLASSY MATRIX
GN	GLAUCONITE
GC	GLAUCOPHANE
GO	GOETHITE
AU	GOLD
GD	GOLD (alternate)
GR	GRAPHITE
GY	GYPSUM
HA	HALITE
HE	HEMATITE (EARTHY)
HS	HEMATITE (SPECULARITE)
HM	HEMIMORPHITE
HB	HORNBLENDE
HZ	HYDROZINCITE
HY	HYPERSTHENE
IL	ILLITE
IM	ILMENITE
JD	JADEITE
JA	JAROSITE
KM	K-FELSPAR MICROCLINE
KF	K-FELSPAR ORTHOCLASE
KA	KAOLINITE
KY	KYANITE
LM	LAUMONTITE
LW	LAWSONITE
LU	LEUCITE
LE	LEUCOXENE
LI	LIMONITE
MF	MAFIC MINERALS (GEN)
MH	MAGHEMITE
MA	MAGNESITE
MT	MAGNETITE
MC	MALACHITE
MN	MANGANITE
MR	MARCASITE
MP	MARTITE
MI	MICA (GEN)
KM	MICROCLINE
MO	MOLYBDENITE
MZ	MONZITE
MN	MONTMORILLONITE
MU	MUSCOVITE
NF	NEPHELINE
NI	NICCOLITE
OL	OLIVINE
OP	OPAL, OPALINE SILICA
OQ	OPAQUES (GEN)
OR	ORPIMENT
KF	ORTHOCLASE
OR	ORTHOPYROXENE (GEN)
OS	OSMIRIDIUM
OX	OXIDES (GEN)
PN	PENTLANDITE
PH	PHLOGOPITE
PF	PLAGIOCLASE
PT	PLATINOIDS (GEN)
PW	POWELLITE
PE	PRENNHNITE
PS	PSILOMELANE
PY	PYRITE
PL	PYROLUSITE
PP	PYROPHYLITE
PR	PYROXENE (GEN)
PO	PYRRHOTITE
QR	QUARTZ (RUTILATED)
QZ	QUARTZ
QG	QUARTZ (AGATE)
QA	QUARTZ (AMATHYST)
QY	QUARTZ (CHALCEDONY)
QX	QUARTZ CRYSTALS
QV	QUARTZ VEIN, MASSIVE
QC	QUARTZ-CARBONATE
QS	QUARTZ-SERICITE
QT	QUARTZ-TOURMALINE
RE	REALGAR
RC	RHODOCHROSITE
RN	RHODONITE
RU	RUTILE
SC	SCAPOLITE
SH	SCHEELITE
SR	SERICITE
SE	SERPENTINE
SO	SERPENTINISED OLIVINE
SD	SIDERITE
SI	SILLIMANITE
AG	SILVER
SV	SILVER (alternate)
SS	SILVER, SUPHOSALTS
SM	SMITHSONITE
HS	SPECULARTIE
SP	SPHALERITE
SN	SPHENE
ST	STAUROLITE
SB	STIBNITE
SA	SULPHATES (GEN)
SU	SULPHIDES (GEN)
TA	TALC
TC	TALC-CARBONATE
TT	TANTALITE
TL	TELLURIDES (GEN)
TH	TENNANTITE
TE	TENORITE
TH	TETRAHEDRITE
TZ	TOPAZ
TB	TORBERNITE
TO	TOURMALINE
TV	TRAVERTINE
TR	TREMOLITE
TU	TURQUOISE
UR	URANINITE (PITCHBLENDE)
UX	URANIUM MINERALS (GEN)
VA	VANADINITE
VM	VERMICULITE
VE	VESUVIANITE
WA	WAD (MANGANESE)
WL	WILLEMITE
WF	WOLFRAMITE
WO	WOLLASTONITE
WN	WULFENITE
ZE	ZEOLITE
ZC	ZINCITE
ZI	ZIRCON

<	MICROVEINED
>	MACROVEINED
AB	ANIMAL BURROWED
AG	ALGAL MATTED
AM	AMYGDALOIDAL
AO	AMORPHOUS
AP	APLITIC
AU	AUGEN
BC	BIOCLASTIC
BD	BEDDED
BL	BIOTURBACEOUS
BK	BLOCKY
BN	BANDED
BR	BRECCIATED
BT	BOTRYOIDAL
BW	BOX WORKS
CA	CATACLASTIC
CC	CASTED
CF	FLUTE CASTED
CG	CLAY GALLED
CL	LOAD CASTED
CM	CHILLED MARGIN
CN	CONCRETIONARY
CR	CRENULATED
CS	CLOSE STRUCTURED (FRAME SUP)
CT	CLASTIC
CU	CUMULATE
DF	DRAG FOLDED
EQ	EQUIGRANULAR
FB	FLOW BANDED
FC	FOSSILIFEROUS CALCAREOUS
FD	FOSSILIFEROUS CARBONACEOUS
FF	FOSSILIFEROUS FAUNAL
FG	FOSSILIFEROUS GRAPHITIC
FI	FISSILE
FM	FOSSILIFEROUS MARINE
FN	FOSSILIFEROUS NON-MARINE
FO	FOLIATED
FP	FOSSILIFEROUS PLANTS
FR	FRAGMENTAL
FS	FOSSILIFEROUS
FT	FOLDED
FX	FAULT BRECCIA
FY	FLAGGY
GB	GRANOBLASTIC
GD	GRADED BEDDED
GF	GRAPHIC
GL	GRANULOSE
GN	GNEISSIC
GO	GRANOPHYRIC
GP	GLOMERD-PORPHYRITIC
GR	GRANITIC
GY	GREASY
HA	HARRISITIC
HF	HORNFELSIC
HO	HOMOGENEOUS
HT	HETEROGENEOUS
IB	INTERBEDDED
IC	INTERCUMULATE
IM	IMBRICATE
IN	INTERSTITIAL
IQ	INEQUIGRANULAR
KR	CRACKLED
LB	LENSOID BANDED
LE	LINEATED
LL	LIT-PAR-LIT
LM	LAMINATED
LN	LENTICULAR
LS	LISTRIC SURFACED
LT	LITHIC
MC	MUD CRACKED
MX	MASSIVE
MY	MYLONITIC
NO	NODULAR
OR	ORBICULAR
OS	OPEN STRUCTURED, MATRIX SUPPORT
PB	POPHYROBLASTIC
PC	POIKILOBLASTIC
PG	PEGMATITIC
PH	PHYLLITIC
PI	PISOLITIC
PK	POIKILITIC
PL	PELETAL
PM	PILLOWED MARGIN
PO	PILLOWED
PP	PORPHYRITIC
PS	SLUMPED
PW	PARTINGS
PX	PILLOWED BRECCIA
RB	RIBBON-LIKE
RN	RIPPLE MARKED
RP	RAIN PRINTED
RW	REWORKED
SB	SLABBY
SC	SCHISTOSE
SD	SPINIFEX RANDOM
SF	SPINIFEX SHEAF
SH	SHEARED
SK	STOCKWORK
SL	SLATY
SP	SPARRY
SR	SCOURED
SS	SOFT SED SLUMPING
ST	STYLOLITIC
SU	SPHERULITIC
SW	STROMATOLITIC
SX	SPINIFEX
TC	TRACHYTIC
TF	TUFFACEOUS (SHARDY)
TG	PTIGMATIC
UF	UNIFORM
VG	VUGGY
VQ	QUARTZ VEINED
VR	VARIOLITIC
VS	VESICULAR
VV	VEINED
WL	WELDED
WS	WISPY

APPENDIX 1

GEOCHEMICAL ANALYSES

Rock Chip Samples

RECORD	SAMP	N-AMG	E-AMG	GRP	TYP	IM1	IM2	IM3	A1	S1	AU(0.001)	AU2(0.001)
1	210	8503733	745969	SBG	GR	QZ					<0.001	<0.001
2	211	8503554	746129	SBG	GR	QZ					0.001	
3	212	8503480	746124	SBG	GR	QZ					<0.001	<0.001
4	213	8503430	746180	SBG	GR	QZ					0.001	<0.001
5	214	8503351	746153	SBG	GR	QZ					0.022	0.021
6	215	8503649	746144	SBG	GR	QZ					0.015	0.013
7	216	8503732	746043	SBG	GR	QZ					<0.001	<0.001
8	232	8503557	746909	FRG	BX	QV	GR		GR	M	0.108	0.101
9	233	8503372	746786	FRG		QV	GR		GR	W	0.070	0.077
10	234	8503675	746845	FRG		QV					0.017	0.019
11	235	8503350	746140	FRG	GW				MC	W	0.073	0.068
12	236	8503351	746405	FRG		GR	QV		GR	S	0.017	0.019
13	237	8503330	746140	FRG	BX	GR					0.052	0.058
14	239	8503330	746200	FRG		GR	QV		GR	S	0.009	0.008
15	240	8503362	745649	FRG	HF	BI					0.002	
16	241	8503330	746140	FRG		GR	QV		GR	S	0.009	0.011

APPENDIX 2

GEOCHEMICAL ANALYSES

Stream Sediment Samples

RECORD	SAMP	N-AMG	E-AMG	TYP	AU(0.0001)	AU2(0.0001
1	301	8504600	747400	BLEG	0.0005	
2	302	8504600	747400	-200#	0.0010	
3	303	8504650	747400	BLEG	0.0004	
4	304	8504650	747400	-200#	0.0050	0.0040
5	307	8504530	746410	BLEG	0.0013	
6	308	8504530	746410	-200#	0.0020	
7	309	8504280	746350	BLEG	0.0016	
8	310	8504280	746350	-200#	0.0010	
9	311	8504380	746310	BLEG	0.0007	
10	312	8504380	746310	-200#	0.0010	0.0020
11	313	8504570	745710	BLEG	0.0003	
12	314	8504570	745710	-200#	0.0010	
13	319	8503800	745500	BLEG	0.0008	
14	320	8503800	745500	-200#	0.0010	
15	321	8503880	745800	BLEG	0.0007	
16	322	8503880	745800	-200#	0.0010	
17	323	8503950	745700	BLEG	0.0003	
18	324	8503950	745700	-200#	0.0010	0.0010
19	325	8503300	745260	BLEG	0.0008	
20	326	8503300	745260	-200#	0.0010	
21	353	8503140	745780	BLEG	0.0014	
22	354	8503140	745780	-200#	<0.001	
23	355	8503200	745700	BLEG	0.0008	
24	356	8503200	745700	-200#	0.0010	
25	389	8500385	745925	-200#	0.0010	
26	390	8500385	745925	BLEG	0.0001	
27	391	8500200	745920	-200#	0.0010	
28	392	8500200	745920	BLEG	0.0002	
29	395	8500068	747726	-200#	0.0010	
30	396	8500068	747726	BLEG	<0.0001	
31	397	8499250	747426	-200#	0.0020	
32	398	8499250	747426	BLEG	0.0228	
33	399	8498863	747022	-200#	0.0020	0.0020
34	400	8498863	747022	BLEG	0.0004	
35	401	8498122	746576	-200#	0.0010	
36	402	8498122	746576	BLEG	0.0003	
37	403	8497858	746130	-200#	0.0070	0.0100
38	404	8497858	746130	BLEG	0.0008	
39	405	8500365	747163	-200#	0.0040	
40	406	8500365	747163	BLEG	<0.0001	
41	407	8500680	747140	-200#	0.0010	
42	408	8500680	747140	BLEG	0.0003	
43	409	8500989	747122	-200#	0.0020	
44	410	8500989	747122	BLEG	0.0007	
45	411	8502253	746731	-200#	0.0020	0.0020
46	412	8502253	746731	BLEG	0.0008	
47	413	8502420	746380	-200#	0.0010	
48	414	8502420	746380	BLEG	0.0004	
49	415	8502560	746340	-200#	0.0010	
50	416	8502560	746340	BLEG	0.0006	

RECORD	SAMP	N-AMG	E-AMG	TYP	AU(0.0001)	AU2(0.0001
51	439	8497860	746111	-200#	0.0010	
52	440	8497860	746100	-200#	0.0020	
53	441	8498190	745360	-200#	0.0020	
54	442	8498180	745350	-200#	<0.001	
55	446	8499550	746860	-200#	<0.001	
56	447	8499540	746850	-200#	<0.001	
57	448	8499550	746640	-200#	<0.001	
58	449	8499540	746640	-200#	0.0010	
59	450	8499400	746250	-200#	0.0010	
60	451	8499410	746240	-200#	<0.001	<0.001
61	452	8499380	745860	-200#	<0.001	
62	453	8499370	745860	-200#	<0.001	