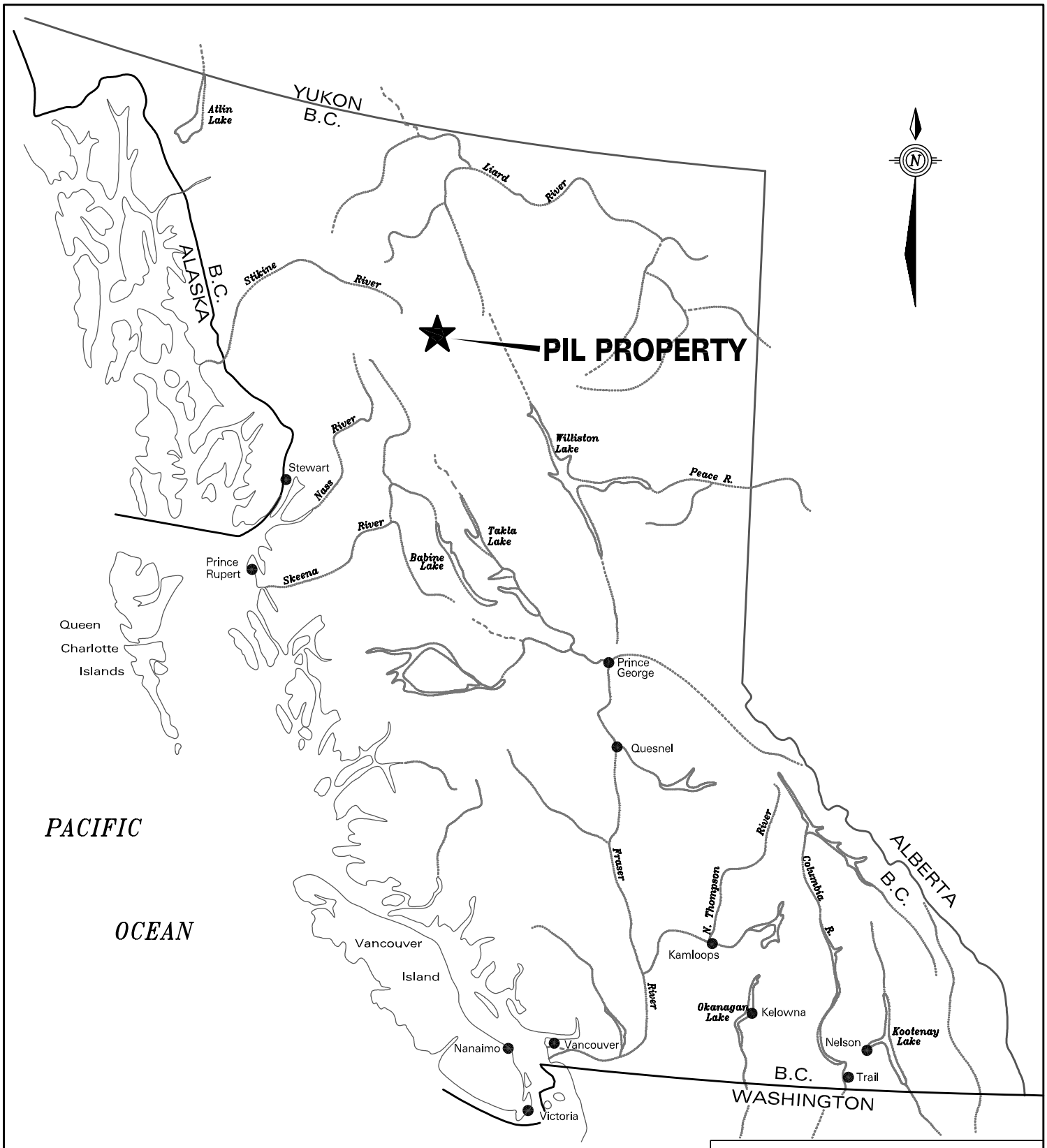


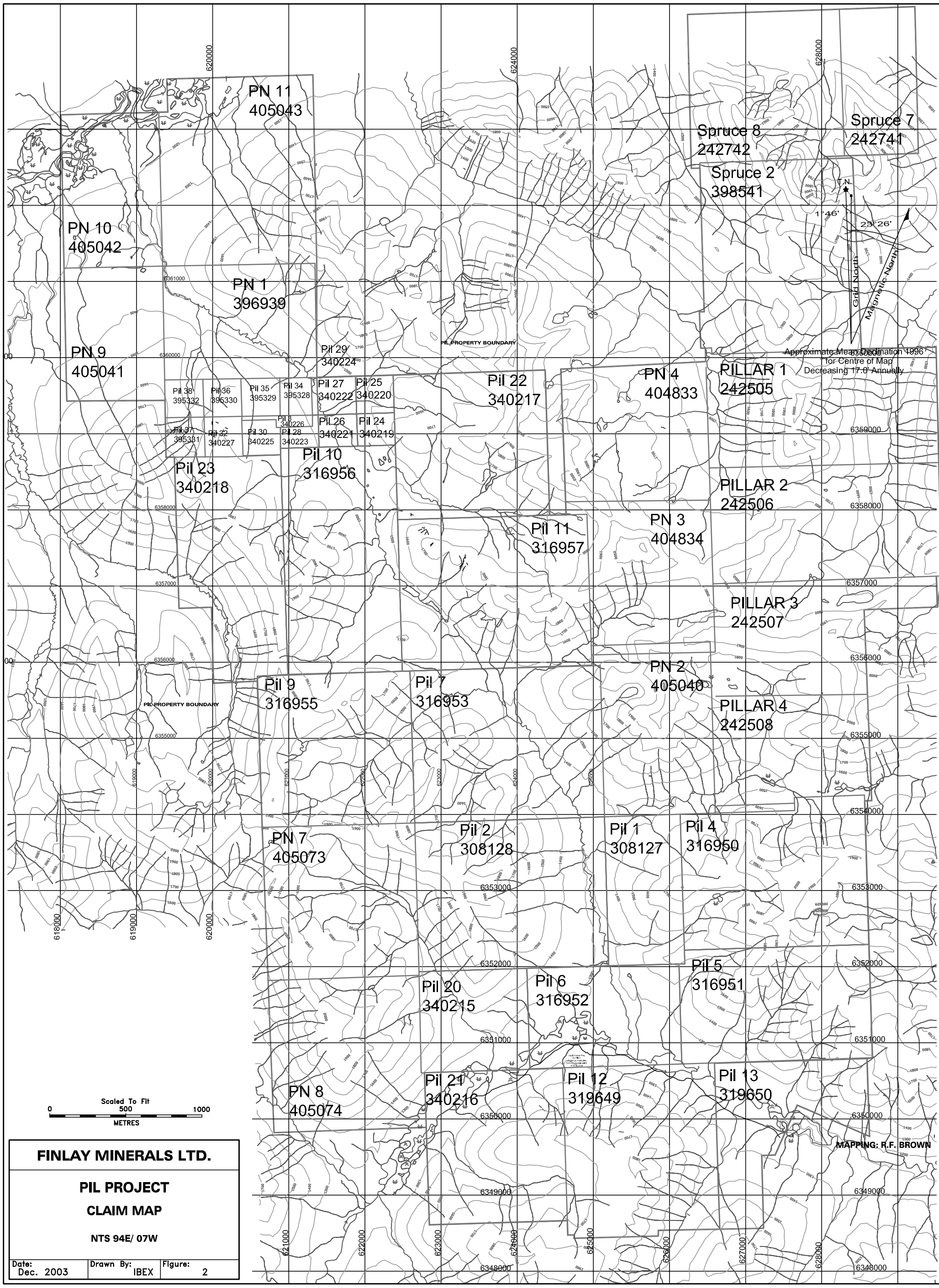
FINLAY MINERALS LTD.

PIL PROPERTY

GENERAL LOCATION MAP

Date: Dec. 2003

Figure: 1



FINLAY MINERALS LTD.

PIL PROJECT

CLAIM MAP

NTS 94E/ 07W

Date:	Drawn By:	Figure:
Dec. 2003	IBEX	2

GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- J_{BLS} -syenite
- J_{BLM} -monzonite, granite
- J_{BLD} -diorite
- J_{BLQD} -quartz diorite

- $IJT_{3,6}$ TOODOGGONE FORMATION VOLCANICS

- -fault
- -Indicates downthrust side of fault
- -geological contact

FINLAY MINERALS LTD.

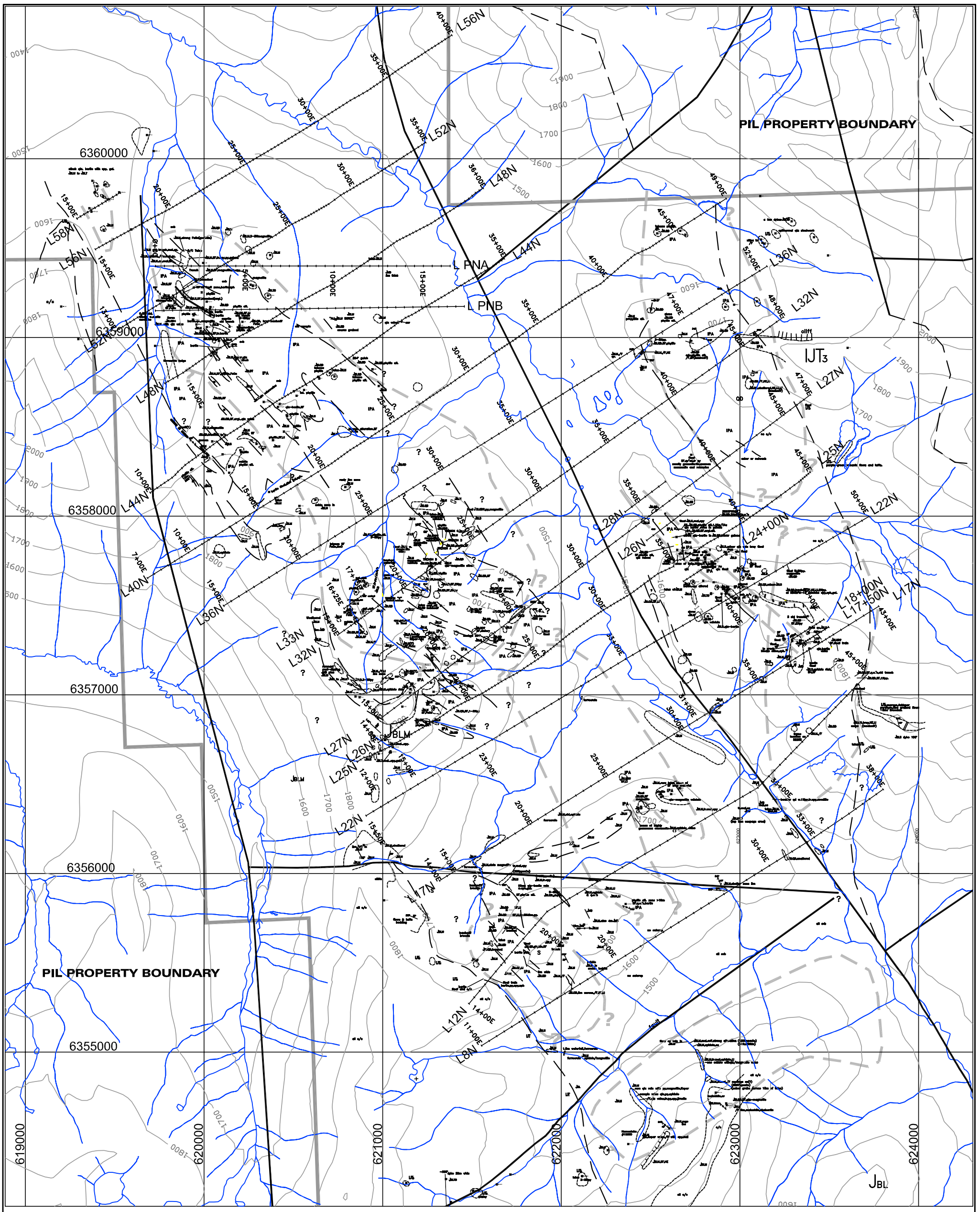
PIL PROJECT

PROPERTY GEOLOGY

NTS 94E/ 07W

MAPPING: R.F. BROWN

Date:	Drawn By:	Figure:
Dec. 2003	IBEX	3



LEGEND

0 500 1000 METRES
Scale 1:10,000

VOLCANIC & SEDIMENTARY ROCKS

LOWER JURASSIC HAZELTON GROUP, TOODOGGONE FORMATION

IJT6 Saunders Member
high-potassium dacite ash-flow tuff.

IJT3 Metsantan Member
high potassium latite (trachyandesite) lava flows, massive and local flow breccia, also includes well-bedded volcanic conglomerate.

UPPER TRIASSIC TAKLA GROUP

uTKT Augite porphyry basalt/andesite lava flows, some augite-feldspar phyric mafic flows.
-modified from Diakow et.al. 1993

X62 Geological observation point
TS Thin Section sample location
brittle shears
bedding
veins
open fractures
geological contact
outcrop
cliff
fault
thrust

/F	Fractured
SF	Silicified
SH	Shattered
Py	Pyrite
LI	Limonite
HE	Hematite
cpy	Chalcopyrite
Mal	Malachite
K-spar	Potash Feldspar
cc	Chalcocite
az	Azurite

INTRUSIONS

JURASSIC INTRUSIONS(?)
BLACK LAKE INTRUSIVE SUITE

JBLT | JBLM, JBLGD Quartz monzonite, detailed thin section description as propylitic (chlorite - epidote - sericite ± calcite) altered plagioclase +/- quartz phyric monzonite porphyry, rare outcrops of granodiorite porphyry. Zones of fracturing to shearing are phyllic altered and gossanous.

IPA Intense phyllic alteration

JBLQD, JBLQ Quartz Diorite, diorite; plagioclase phyric biotite-hornblende quartz diorite porphyry. Alteration typically phyllic (sericite-quartz-rutile) but varies from propylitic to to intense silicic. Forms rubbly outcrops, gossanous and leached.

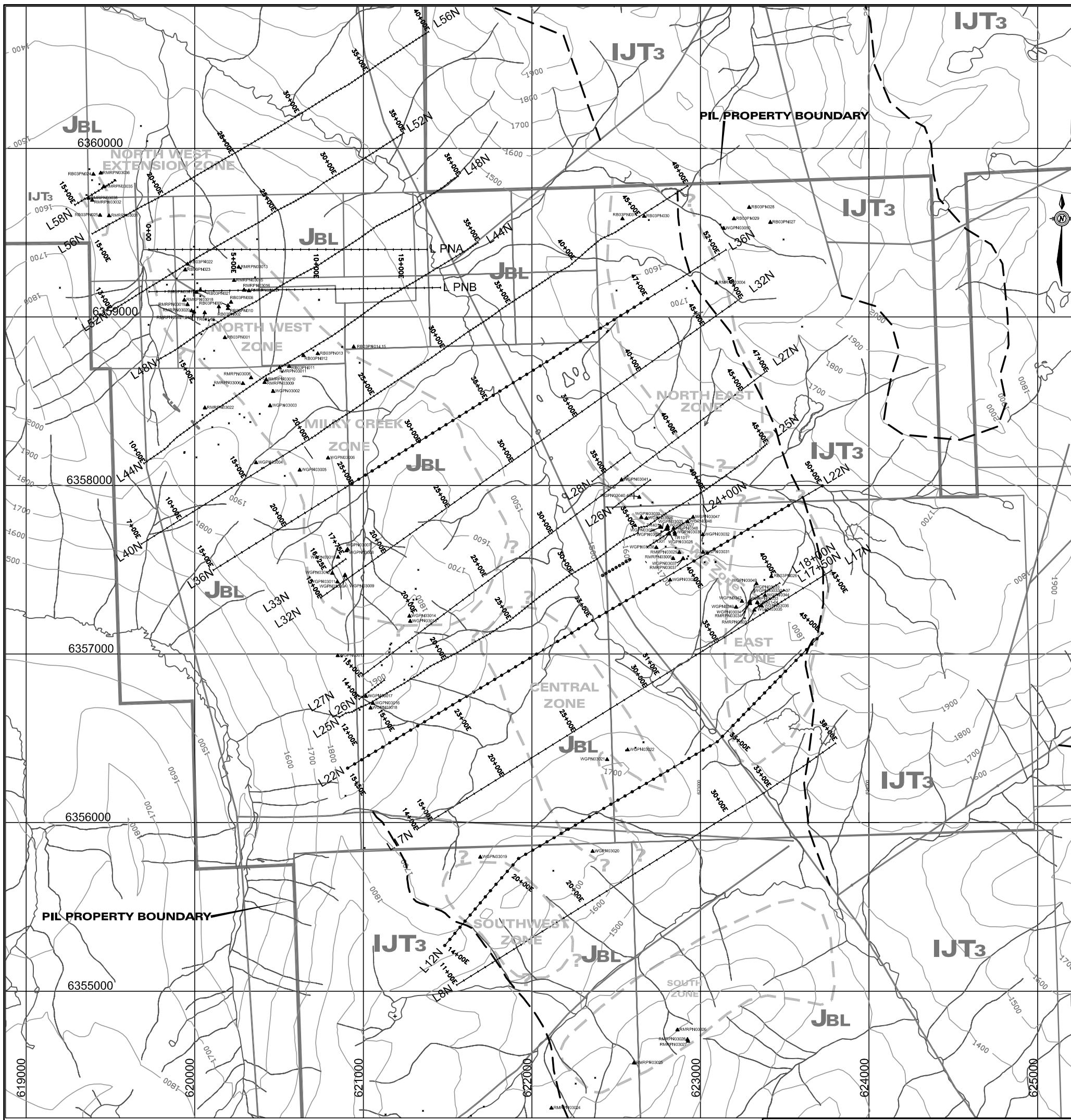
//JMD Mafic dykes

FINLAY MINERALS LTD.

PIL PROJECT
PIL NORTH AREA
GEOLOGY MAP

NTS 94E/ 07W
MAPPING: R.F. BROWN

Date:	Drafted By:	Figure:
Dec. 2006	JBEX	4



0 1000 METRES

Scale 1:10,000

GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite
- IJT3,6 TOODOGGONE FORMATION VOLCANICS

-fault

-Indicates downthrust side of fault

-geological contact

ROCK GEOCHEMISTRY LEGEND

2003Rock Sample Location & identifier

RB03PN024

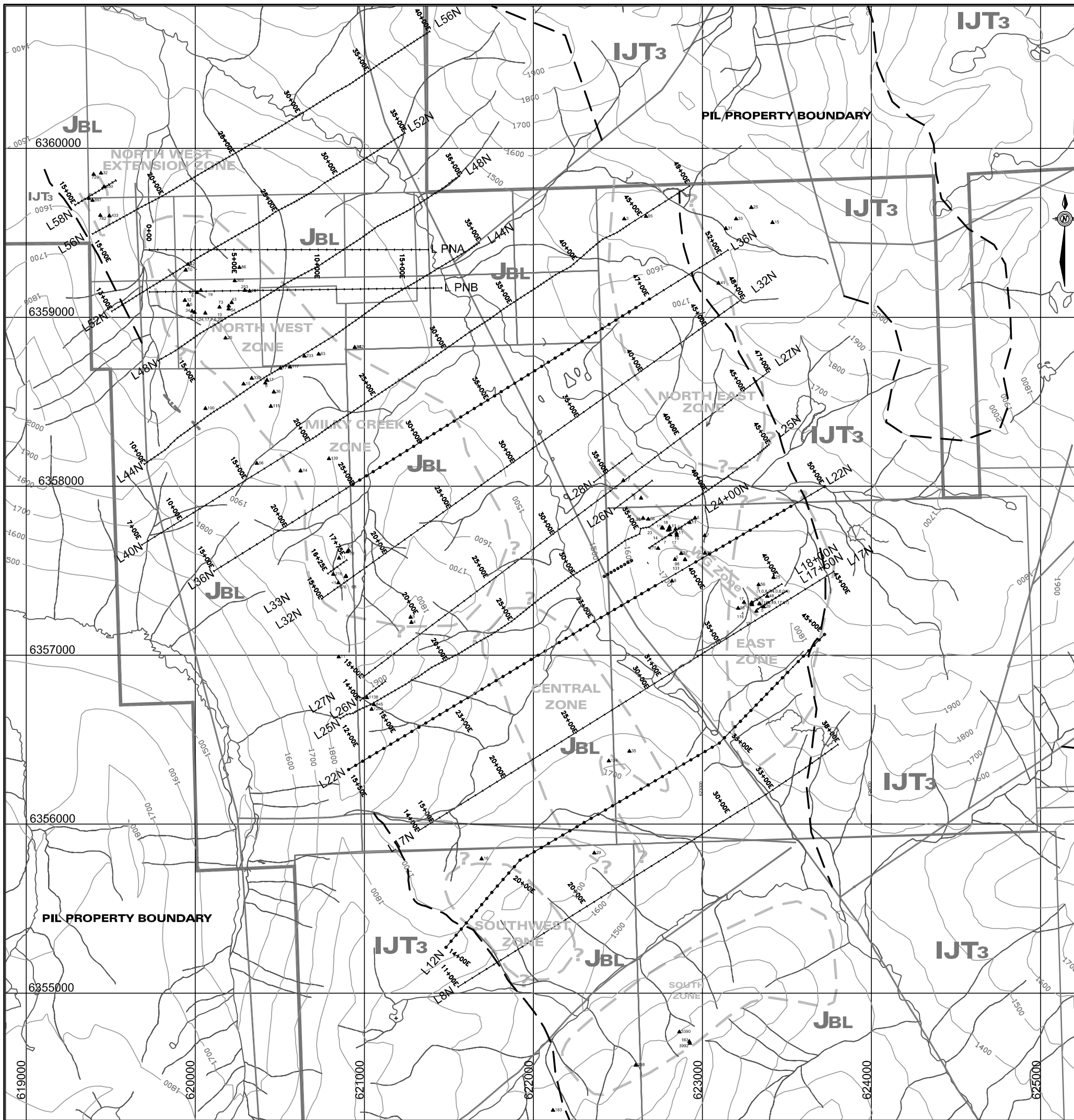
FINLAY MINERALS LTD.

PIL PROJECT
PIL NORTH AREA
2003 Rock Geochemistry Map
Rock Sample Locations

NTS 94E/ 07W

MAPPING: R.F. BROWN

Date:	Drawn By:	Figure:
Dec. 2003	IBEX	5



0 1000 METRES

Scale 1:10,000

GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite
- IJT3,6 TOODOGGONE FORMATION VOLCANICS

-fault
-Indicates downthrust side of fault
-geological contact

ROCK GEOCHEMISTRY LEGEND

2003Rock Sample Location
Copper Geochemistry result In ppm

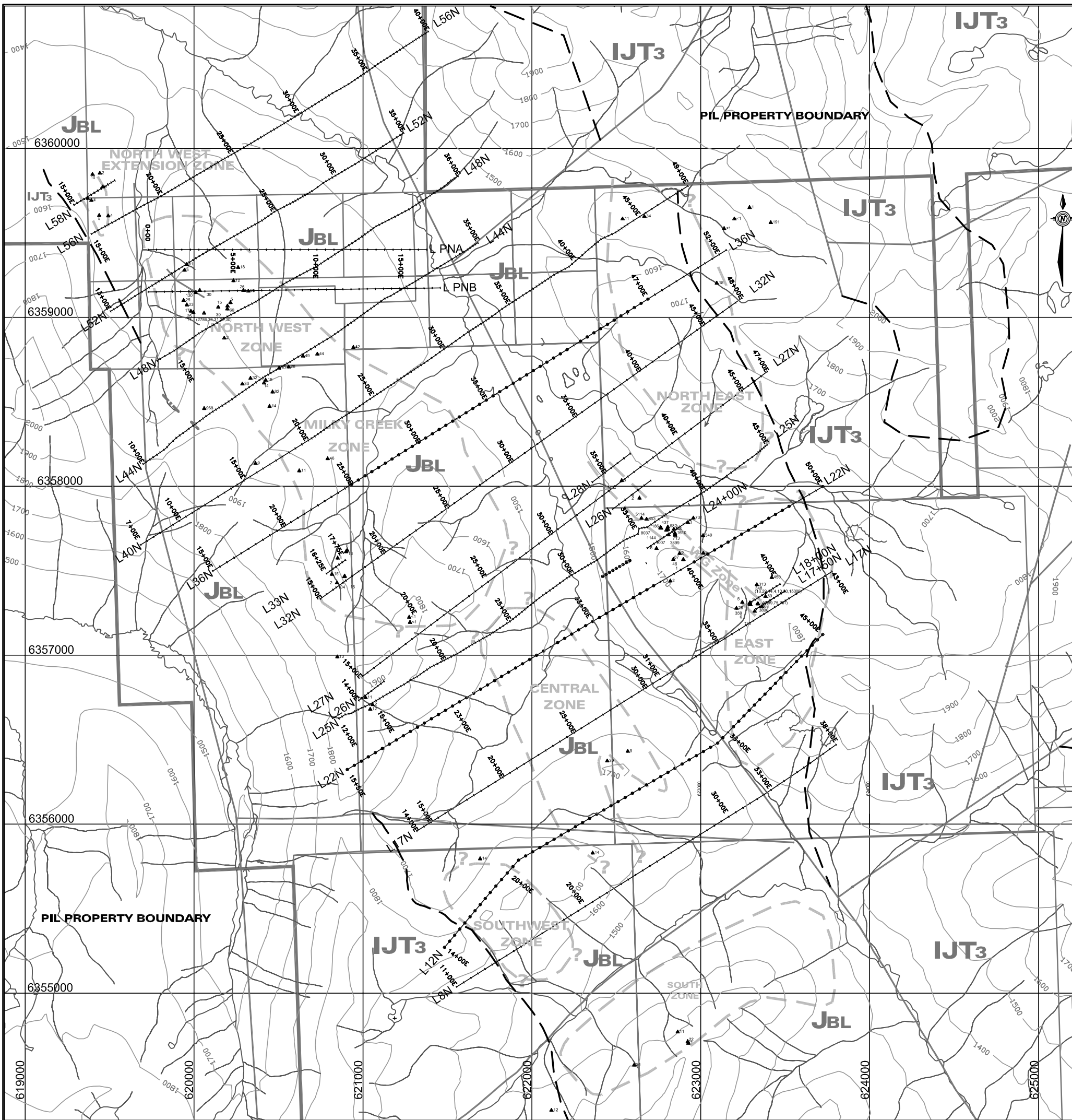
FINLAY MINERALS LTD.

PIL PROJECT
PIL NORTH AREA
2003 Rock Geochemistry Map
Cu (ppm)

NTS 94E/ 07W

MAPPING: R.F. BROWN

Date:	Drawn By:	Figure:
Dec. 2003	IBEX	6



0 1000 METRES

Scale 1:10,000

GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite
- IJT3,6 TOODOGGONE FORMATION VOLCANICS

-fault
-Indicates downthrust side of fault
-geological contact

ROCK GEOCHEMISTRY LEGEND

2003Rock Sample Location
Gold geochemistry result in ppb

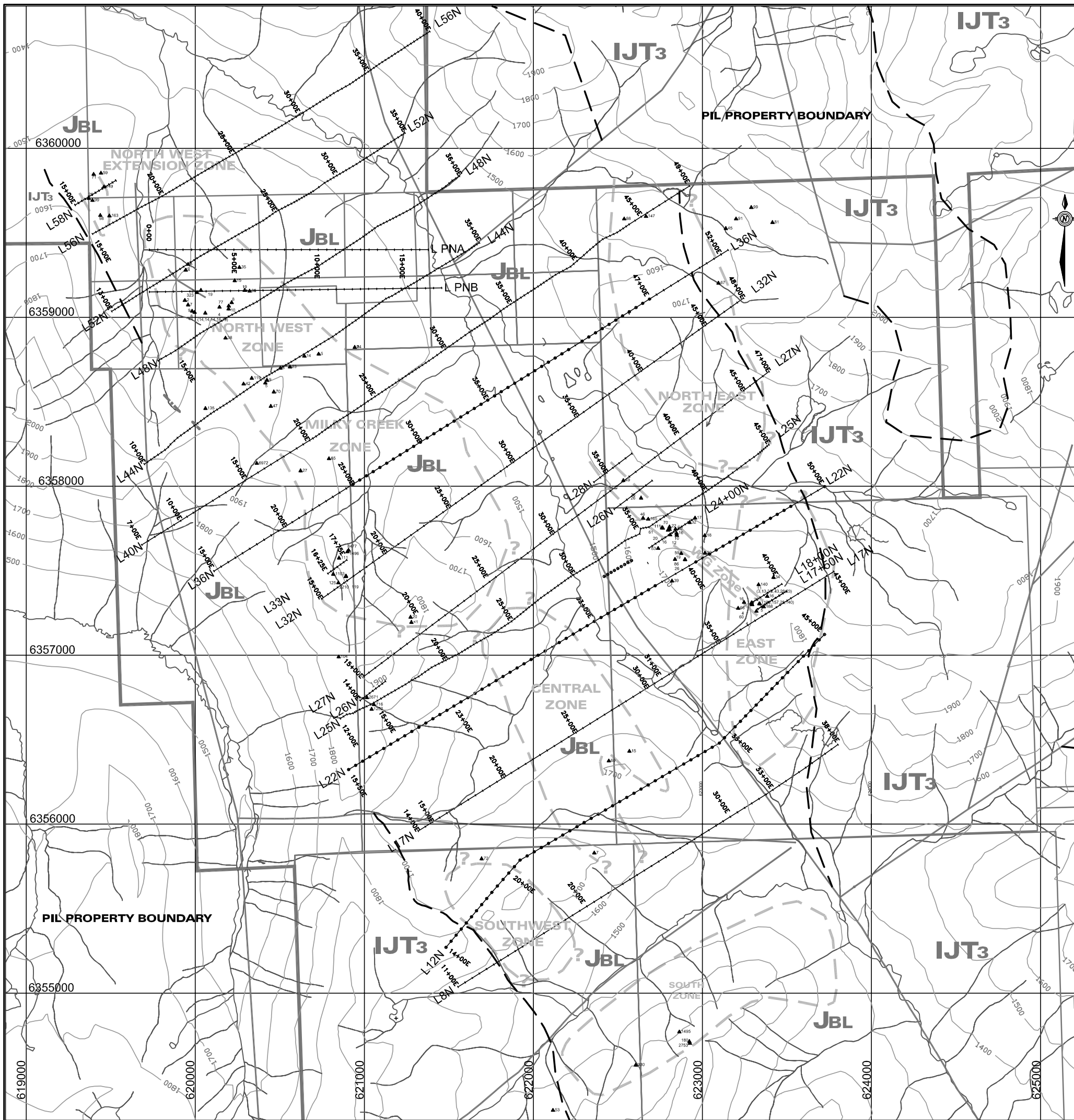
FINLAY MINERALS LTD.

PIL PROJECT
PIL NORTH AREA
2003 Rock Geochemistry Map
Au (ppb)

NTS 94E/ 07W

MAPPING: R.F. BROWN

Date:	Drawn By:	Figure:
Dec. 2003	IBEX	7



0 1000 METRES

Scale 1:10,000

GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite
- IJT3,6 TOODOGGONE FORMATION VOLCANICS

-fault
-Indicates downthrust side of fault
-geological contact

ROCK GEOCHEMISTRY LEGEND

2003Rock Sample Location
Zinc geochemistry result in ppm

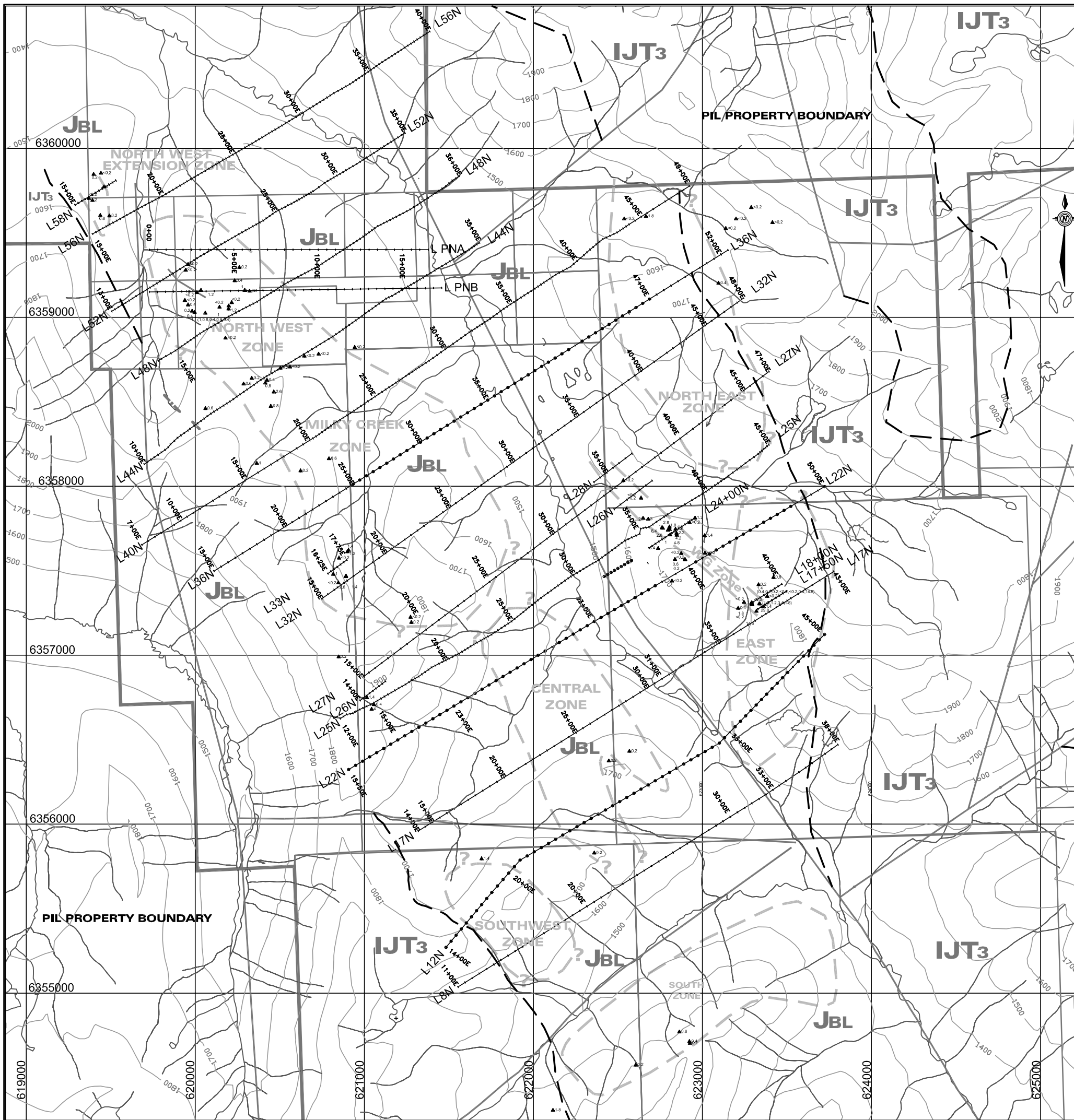
FINLAY MINERALS LTD.

PIL PROJECT
PIL NORTH AREA
2003 Rock Geochemistry Map
Zn (ppm)

NTS 94E/ 07W

MAPPING: R.F. BROWN

Date:	Drawn By:	Figure:
Dec. 2003	IBEX	8



0 1000 METRES

Scale 1:10,000

GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite
- IJT3,6 TOODOGGONE FORMATION VOLCANICS

-fault
-Indicates downthrust side of fault
-geological contact

ROCK GEOCHEMISTRY LEGEND

2003Rock Sample Location
Silver geochemistry result in ppm

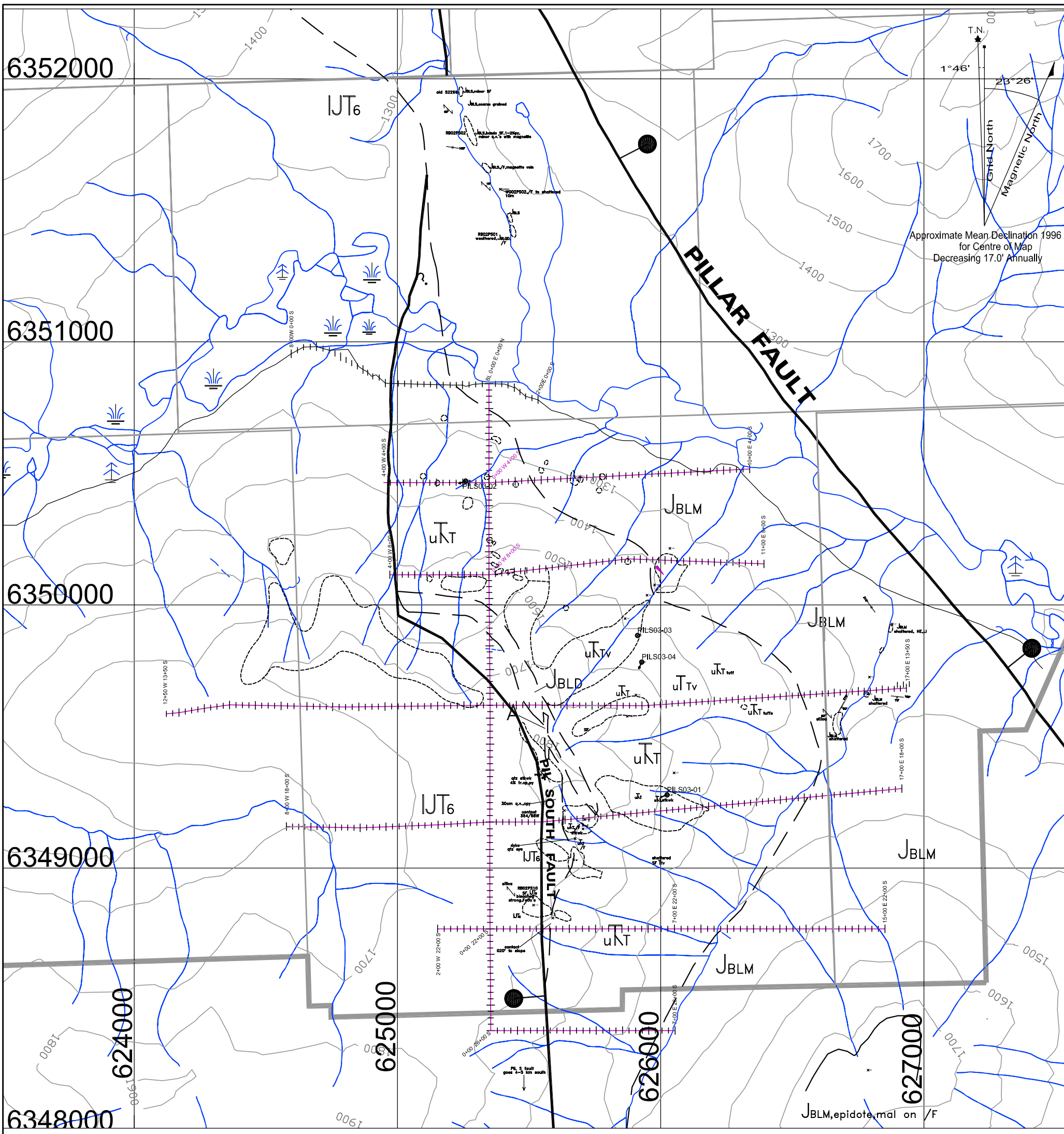
FINLAY MINERALS LTD.

PIL PROJECT
PIL NORTH AREA
2003 Rock Geochemistry Map
Ag (ppm)

NTS 94E/ 07W

MAPPING: R.F. BROWN

Date:	Drawn By:	Figure:
Dec. 2003	IBEX	9



LEGEND

VOLCANIC & SEDIMENTARY ROCKS

LOWER JURASSIC HAZELTON GROUP, TOODOGOONE FORMATION

IJT6 Saunders Member
high-potassium dacite ash-flow tuff.

IJT3 Metsantan Member
high potassium latite (trachyandesite) lava flows, massive and local flow breccia, also includes well-bedded volcanic conglomerate.

UPPER TRIASSIC TAKLA GROUP

uTT Augite porphyry basalt/andesite lava flows, some augite-feldspar phyric mafic flows.

-modified from Diakow et.al. 1993

INTRUSIONS

JURASSIC INTRUSIONS(?)
BLACK LAKE INTRUSIVE SUITE

JBLS, JBLGD Syenite,(field name), detailed thin section description as propylitic (chlorite - epidote - sericite ± calcite) altered plagioclase +/- quartz phyric monzonite porphyry, rare outcrops of granodiorite porphyry. Zones of fracturing to shearing are phyllic altered and gossanous.

JBLQD, JBLQ Quartz Diorite, diorite; plagioclase phyric biotite-hornblende quartz diorite porphyry. Alteration typically phyllic (sericite-quartz-rutile) but varies from propylitic to to intense silicic. Forms rubbly outcrops, gossanous and leached.

JMD Mafic dykes

Scale 1:10,000

0 500 1000
METRES

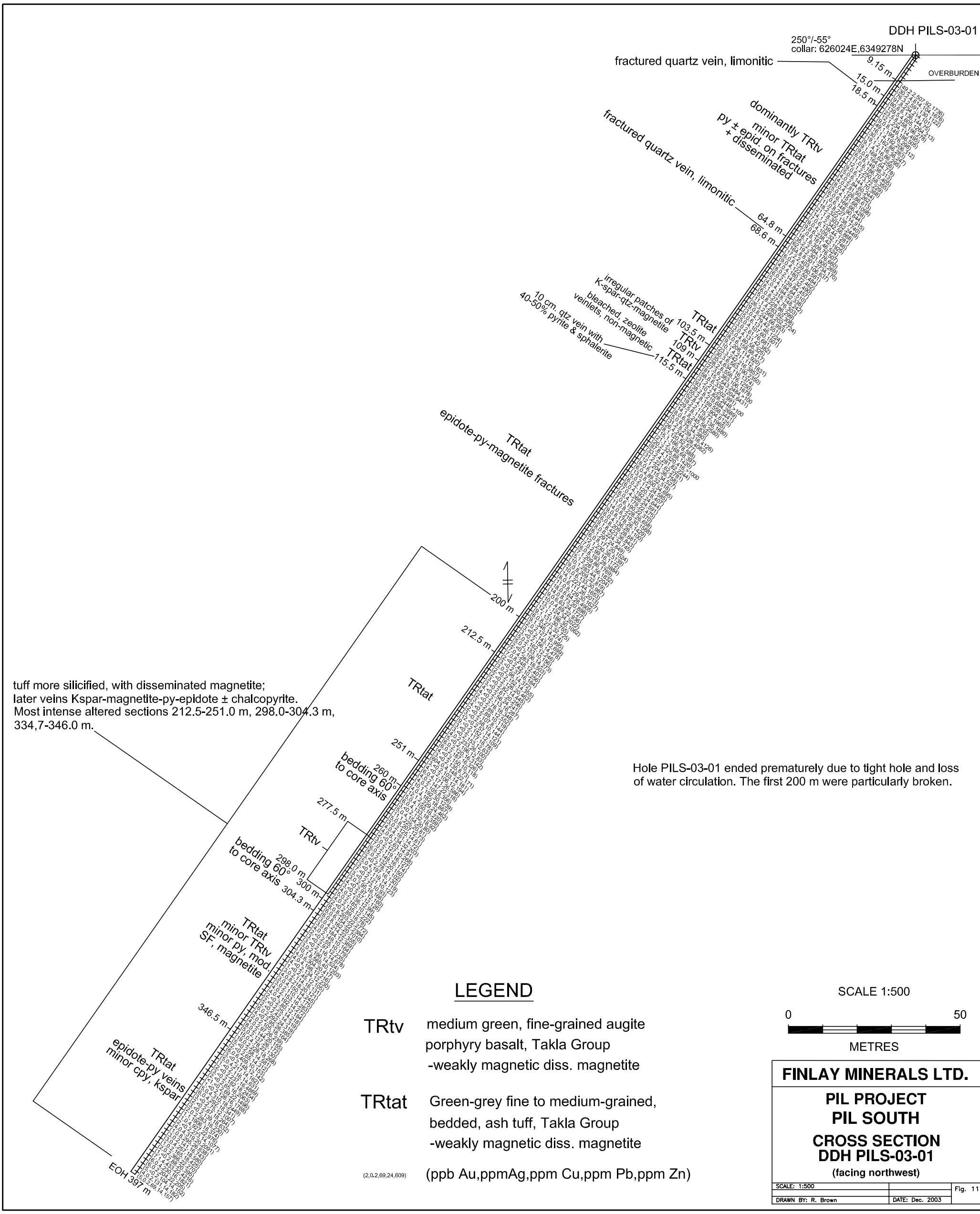
X62 Geological observation point
TS Thin Section sample location
brittle shears
bedding
veins
open fractures
geological contact
o 2003 Drill Hole Location
outcrop
cliff
fault
indicates downthrust side of fault

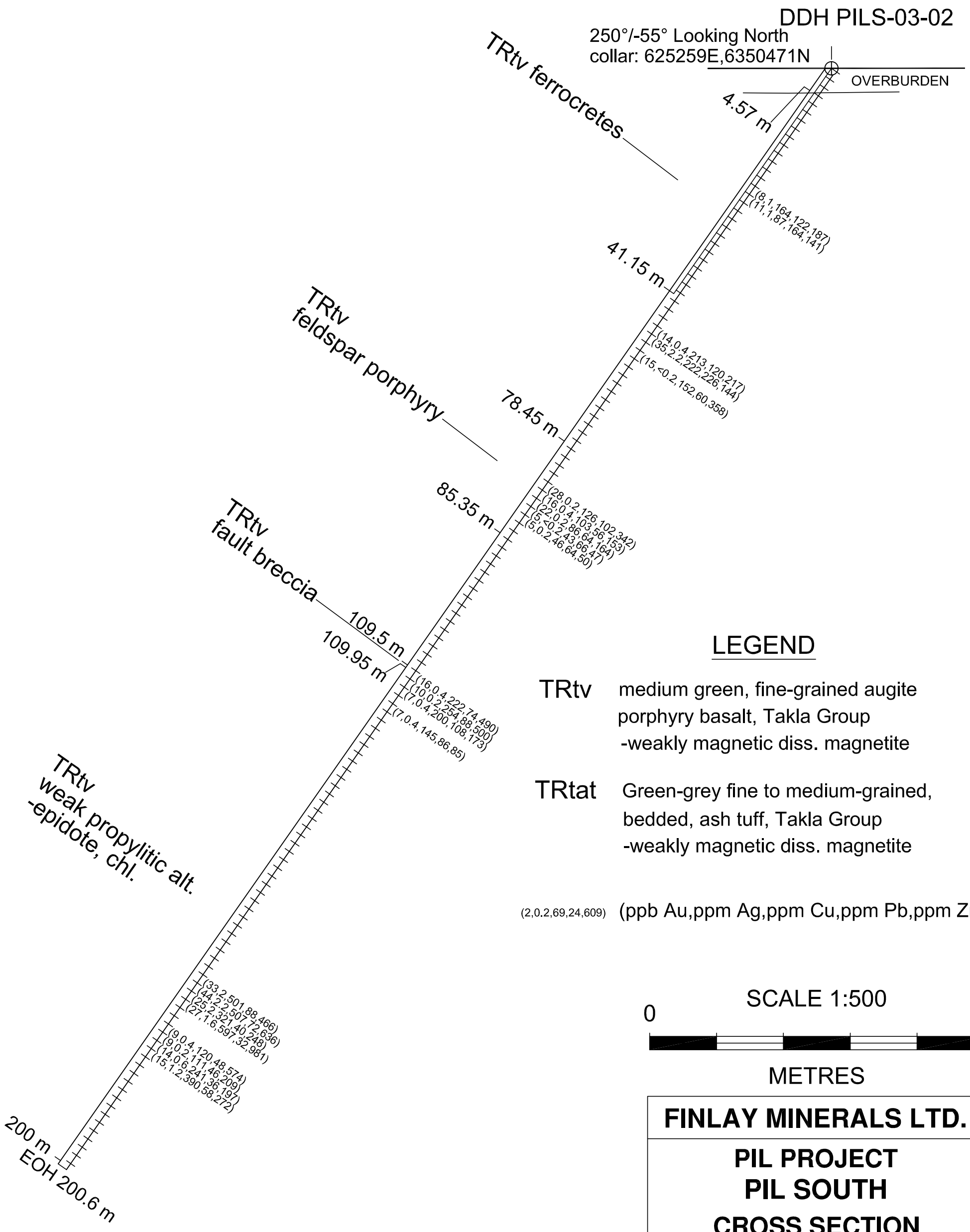
/F Fractured
SF Silicified
SH Shattered
Py Pyrite
Li Limonite
HE Hematite
cpy Chalcopyrite
Mal Malachite
K-spar Potash Feldspar
cc Chalcocite
az Azurite

FINLAY MINERALS LTD.

PIL PROJECT
PIL SOUTH AREA
DRILL HOLE SITE and GEOLOGY MAP

Date:	Drawn By:	Figure:
Dec. 2003	IBEX	10


DDH PILS-03-01
250°/-55°
collar: 626024E,6349278N
OVERBURDEN
9.15 m
15.0 m
18.5 m
fractured quartz vein, limonitic
dominantly TRtv
minor TRtat
py ± epid. on fractures
+ disseminated
fractured quartz vein, limonitic
64.8 m
68.6 m
irregular patches of
K-spar-qtz-magnetite
bleached, zeolite
veinlets, non-magnetic
10 cm. qtz vein with
40-50% pyrite & sphalerite
TRtat
103.5 m
TRtv
109 m
TRtat
115.5 m
TRtat
epidote-py-magnetite fractures
200 m
212.5 m
TRtat
tuff more silicified, with disseminated magnetite;
later veins Kspar-magnetite-py-epidote ± chalcopyrite.
Most intense altered sections 212.5-251.0 m, 298.0-304.3 m,
334,7-346.0 m.
251 m
260 m
bedding 60°
to core axis
277.5 m
TRtv
298.0 m
300 m
bedding 60°
to core axis
304.3 m
TRtat
minor TRtv
minor py, mod.
SF, magnetite
346.5 m
TRtat
epidote-py veins
minor cpy, kspar
EOH 397 m
Hole PILS-03-01 ended prematurely due to tight hole and loss
of water circulation. The first 200 m were particularly broken.
LEGEND
TRtv
medium green, fine-grained augite
porphyry basalt, Takla Group
-weakly magnetic diss. magnetite
TRtat
Green-grey fine to medium-grained,
bedded, ash tuff, Takla Group
-weakly magnetic diss. magnetite
(2,0.2,69,24,609)
(ppb Au,ppmAg,ppm Cu,ppm Pb,ppm Zn)
SCALE 1:500
0
50
METRES
FINLAY MINERALS LTD.
PIL PROJECT
PIL SOUTH
CROSS SECTION
DDH PILS-03-01
(facing northwest)
SCALE: 1:500
Fig. 11
DRAWN BY: R. Brown
DATE: Dec. 2003



LEGEND

TRtv medium green, fine-grained augite porphyry basalt, Takla Group
-weakly magnetic diss. magnetite

TRtat Green-grey fine to medium-grained, bedded, ash tuff, Takla Group
-weakly magnetic diss. magnetite

(2,0.2,69,24,609) (ppb Au,ppm Ag,ppm Cu,ppm Pb,ppm Zn)

SCALE 1:500

0 50

METRES

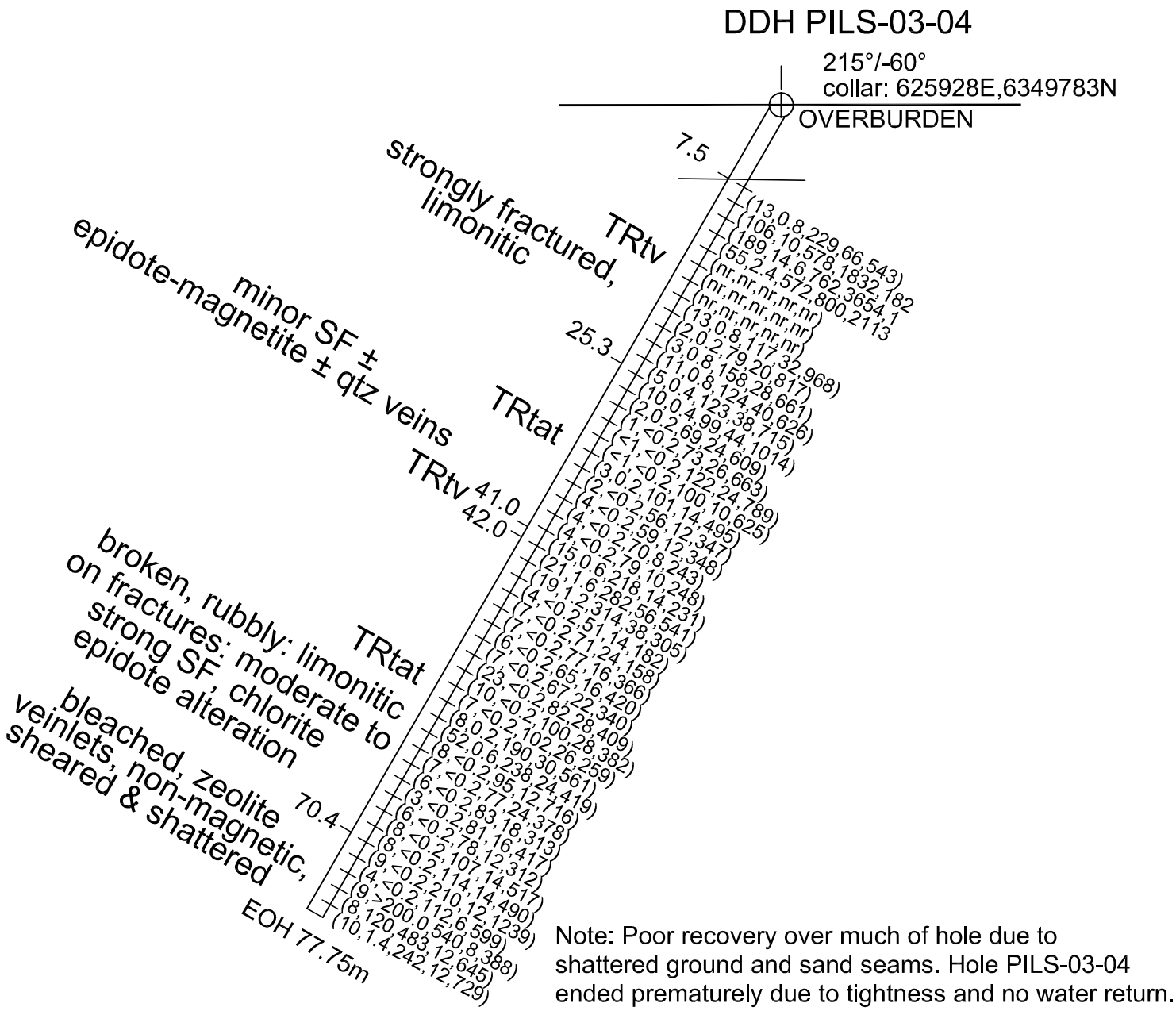
Hole PILS-03-02 ended prematurely due to bad ground, tight hole and loss of water circulation.
-for details of geology see log of DDH-03-02.

FINLAY MINERALS LTD.

PIL PROJECT
PIL SOUTH

CROSS SECTION
DDH PILS-03-02
(facing northwest)

SCALE: 1:500		Fig. 12
DRAWN BY: R. Brown	DATE: Dec. 2003	



Note: Poor recovery over much of hole due to shattered ground and sand seams. Hole PILS-03-04 ended prematurely due to tightness and no water return.

LEGEND

TRtv	medium green, fine-grained augite porphyry basalt, Takla Group -weakly magnetic diss. magnetite
TRtat	Green-grey fine to medium-grained, bedded, ash tuff, Takla Group -weakly magnetic diss. magnetite
SF	silicification

(2,0.2,69,24,609) (ppb Au,ppm Ag,ppm Cu,ppm Pb,ppm Zn)

SCALE 1:500

0 25

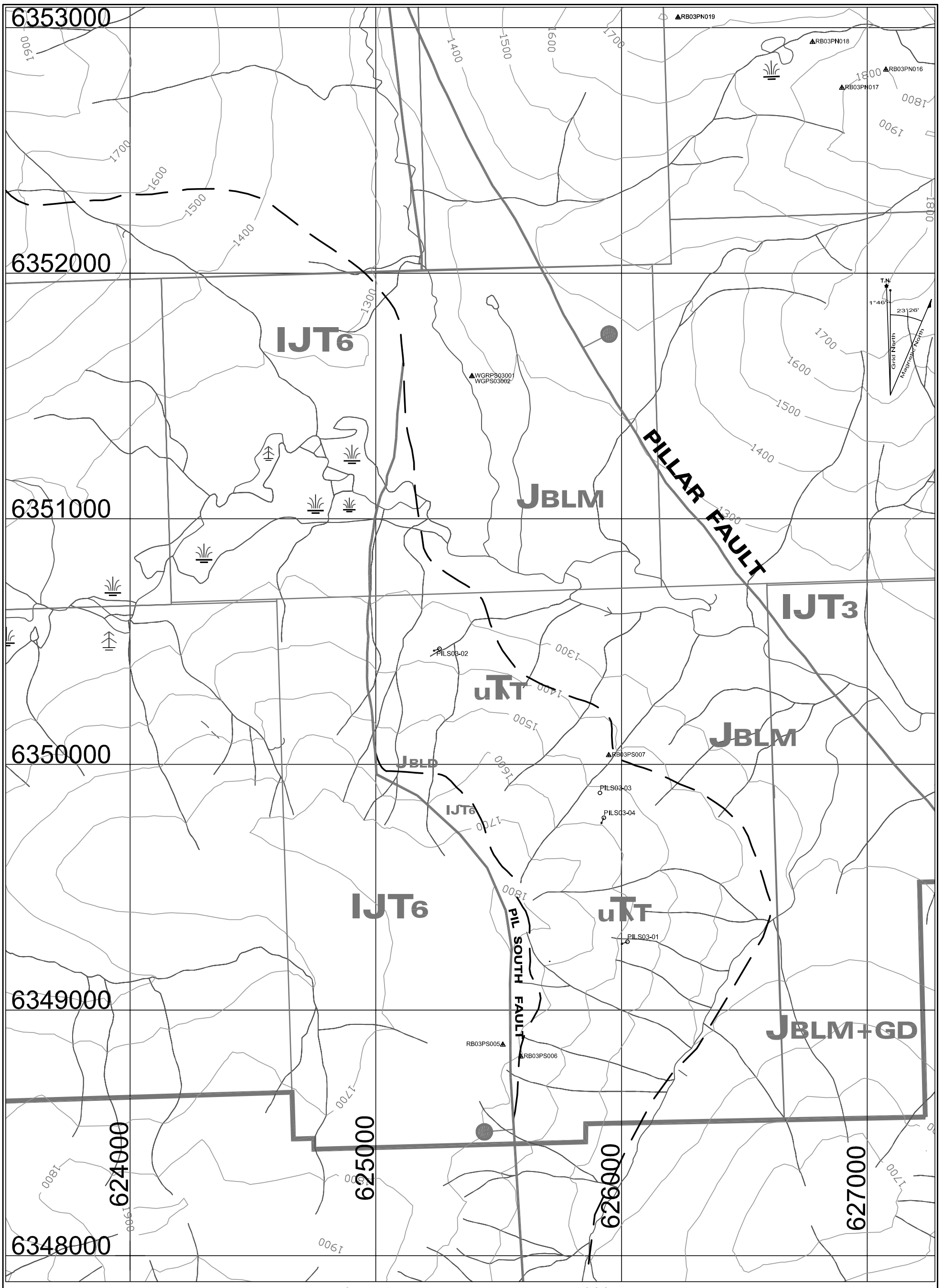
METRES

FINLAY MINERALS LTD.

PIL PROJECT
PIL SOUTH

CROSS SECTION
DDH PILS-03-04
(facing northwest)

SCALE: 1:500		Fig. 13
DRAWN BY: R. Brown	DATE: Nov. 2003	



GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite
- IJT3,6 TOODOGGONE FORMATION VOLCANICS

-fault

-Indicates downthrust side of fault

-geological contact

PILS03-02 2003 Pil South Drill Hole Location

ROCK GEOCHEMISTRY LEGEND

2002 Rock Sample Location & identifier

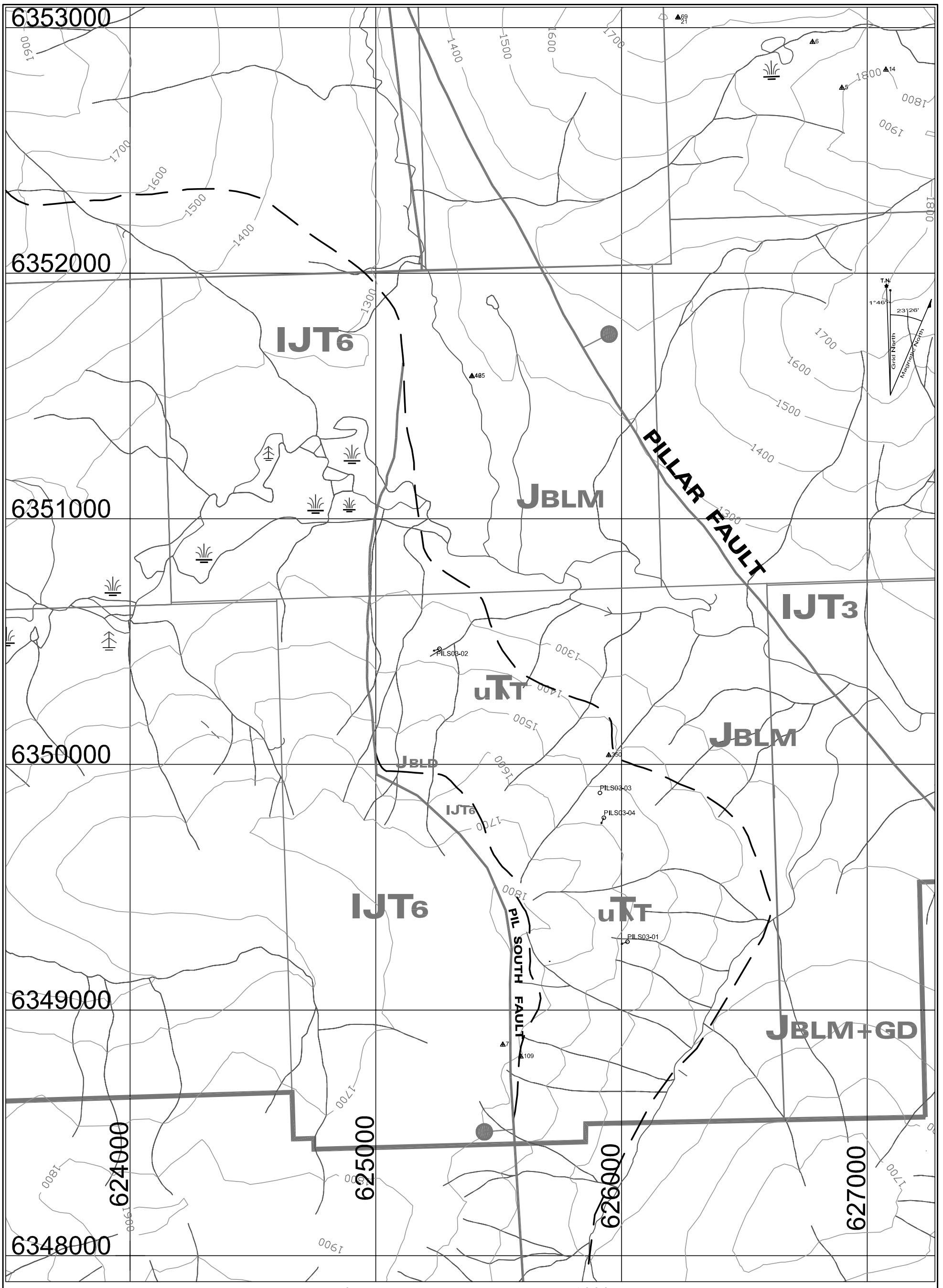
RB03PN024

FINLAY MINERALS LTD.

PIL PROJECT
PIL SOUTH AREA
2003 Rock Geochemistry Map
Rock Sample Locations

NTS 94E/ 07W

Date: Dec. 2003	Drawn By: JBEX	Figure: 14



GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- J_{BLS} -syenite
- J_{BLM} -monzonite, granite
- J_{BLD} -diorite
- J_{BLQD} -quartz diorite
- $IJT_{3,6}$ TOODOGGONE FORMATION VOLCANICS

-fault

-Indicates downthrust side of fault

-geological contact

PILS03-02 2003 Pil South Drill Hole Location

ROCK GEOCHEMISTRY LEGEND

2002 Rock Sample Location

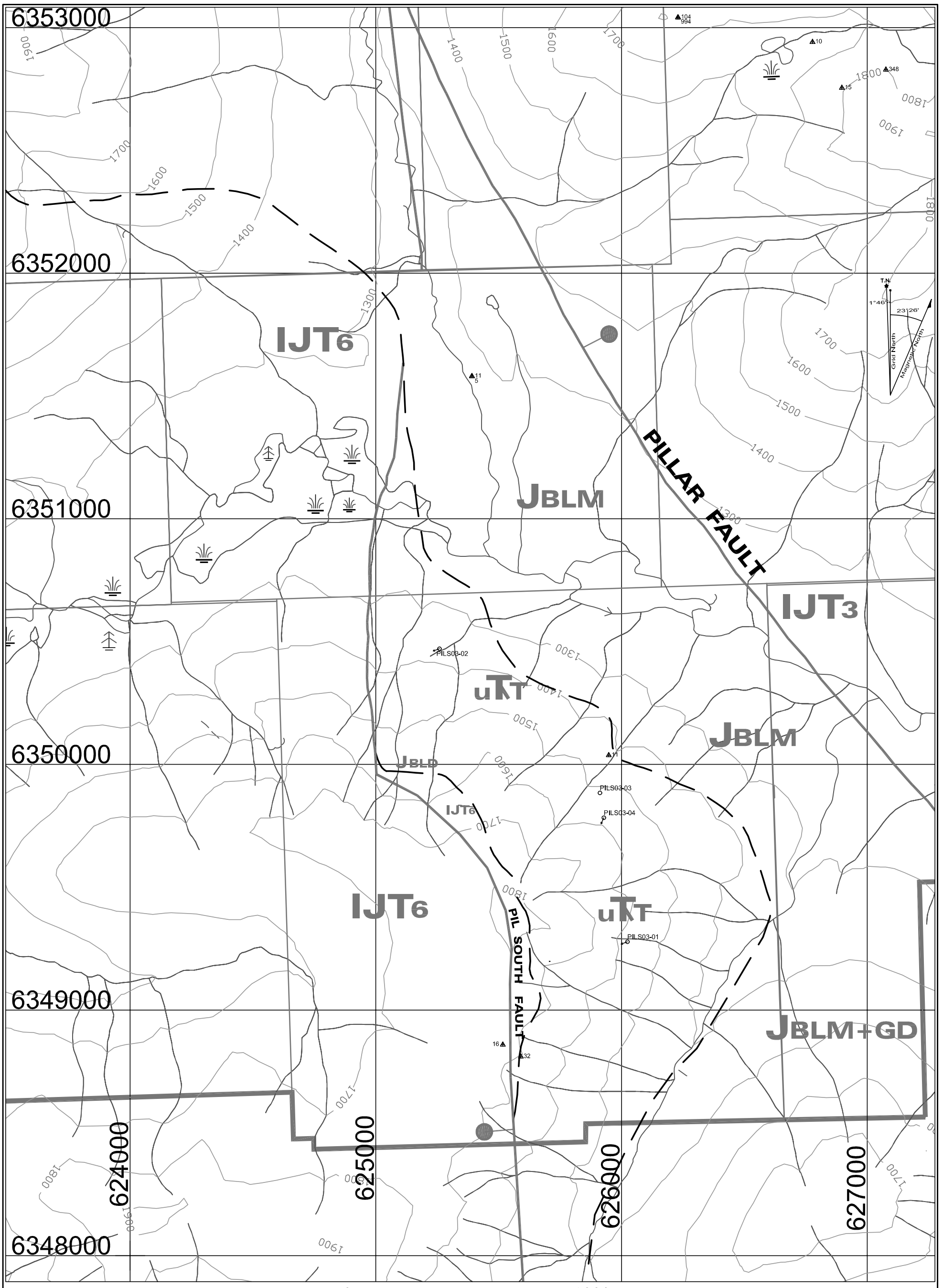
Copper Geochemistry result in ppm

FINLAY MINERALS LTD.

PIL PROJECT
PIL SOUTH AREA
2003 Rock Geochemistry Map
Cu (ppm)

NTS 94E/ 07W

Date: Dec. 2003	Drawn By: JBEX	Figure: 15



GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite
- IJT3,6 TOODOGGONE FORMATION VOLCANICS

-fault

-Indicates downthrust side of fault

-geological contact

PILS03-02 2003 Pil South Drill Hole Location

ROCK GEOCHEMISTRY LEGEND

2002 Rock Sample Location

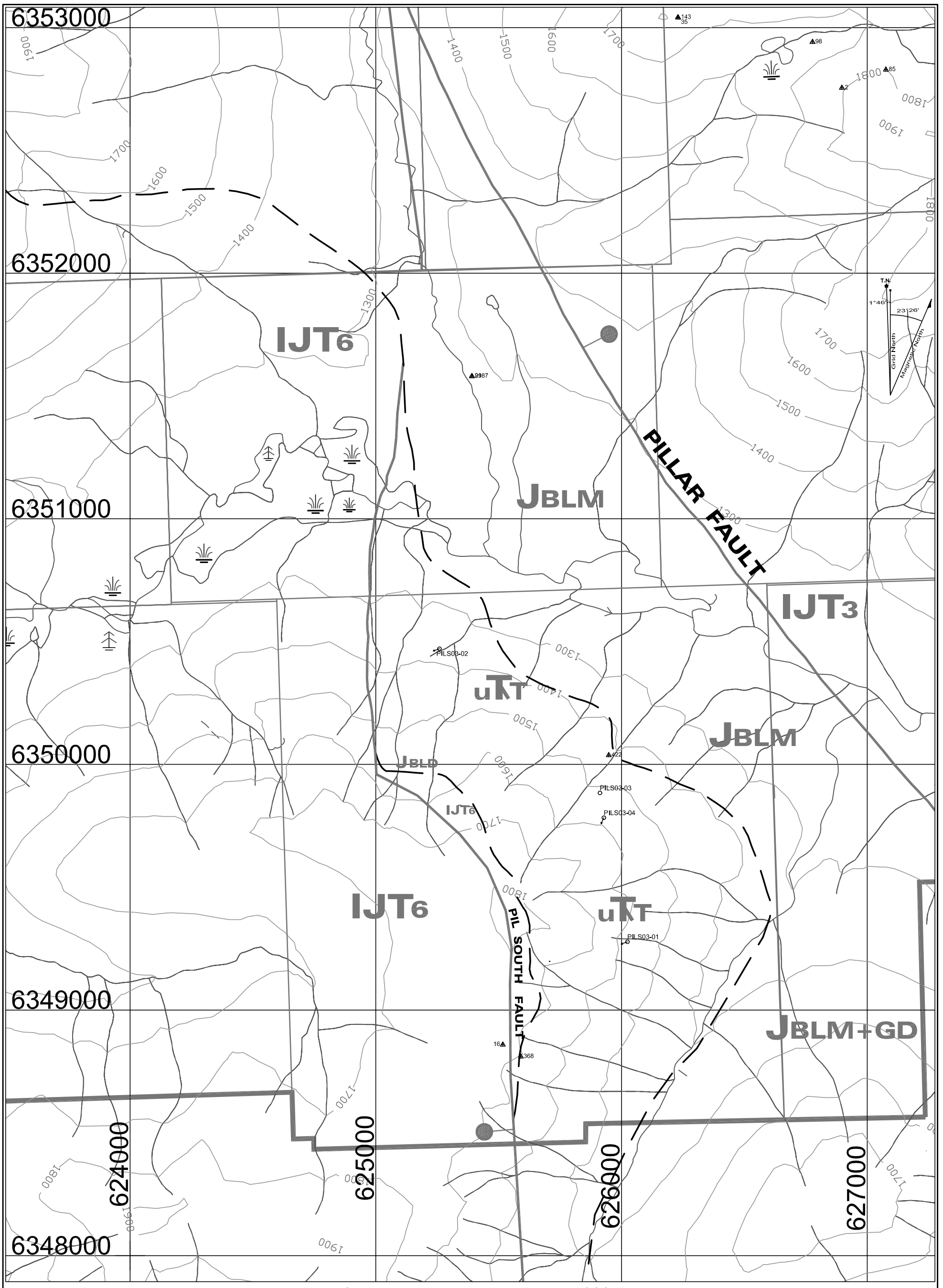
4 Gold geochemistry result in ppb

FINLAY MINERALS LTD.

PIL PROJECT
PIL SOUTH AREA
2003 Rock Geochemistry Map
Au (ppb)

NTS 94E/ 07W

Date: Dec. 2003	Drawn By: IBEX	Figure: 16



GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite
- IJT3,6 TOODOGGONE FORMATION VOLCANICS

-fault

-Indicates downthrust side of fault

-geological contact

PILS03-02 2003 Pil South Drill Hole Location

ROCK GEOCHEMISTRY LEGEND

2002 Rock Sample Location

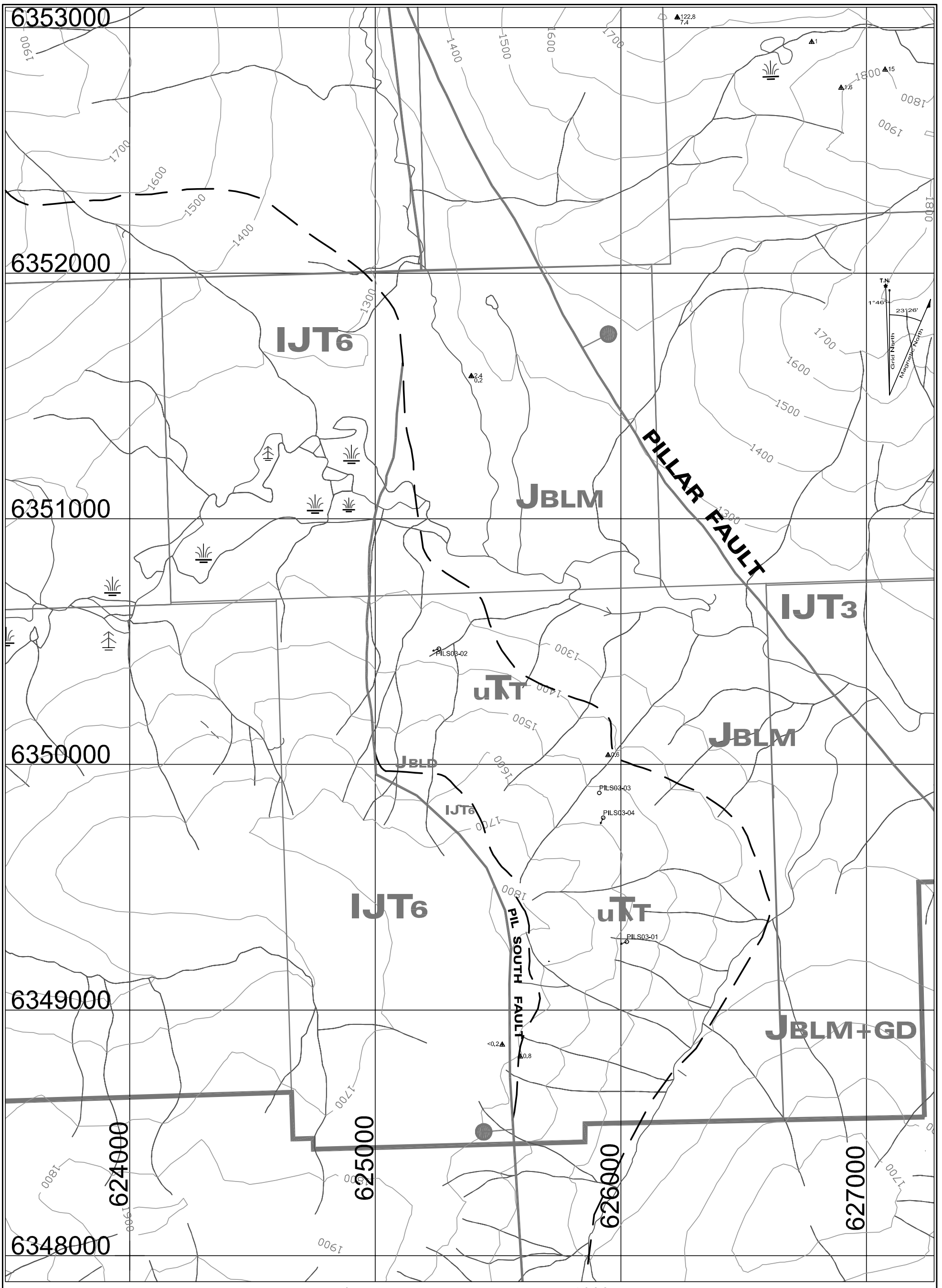
129 Zinc geochemistry result in ppm

FINLAY MINERALS LTD.

PIL PROJECT
PIL SOUTH AREA
2003 Rock Geochemistry Map
Zn (ppm)

NTS 94E/ 07W

Date: Dec. 2003	Drawn By: JBEX	Figure: 17



GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite
- IJT3,6 TOODOGGONE FORMATION VOLCANICS

-fault

-Indicates downthrust side of fault

-geological contact

PilS03-02 2003 Pil South Drill Hole Location

ROCK GEOCHEMISTRY LEGEND

2002 Rock Sample Location

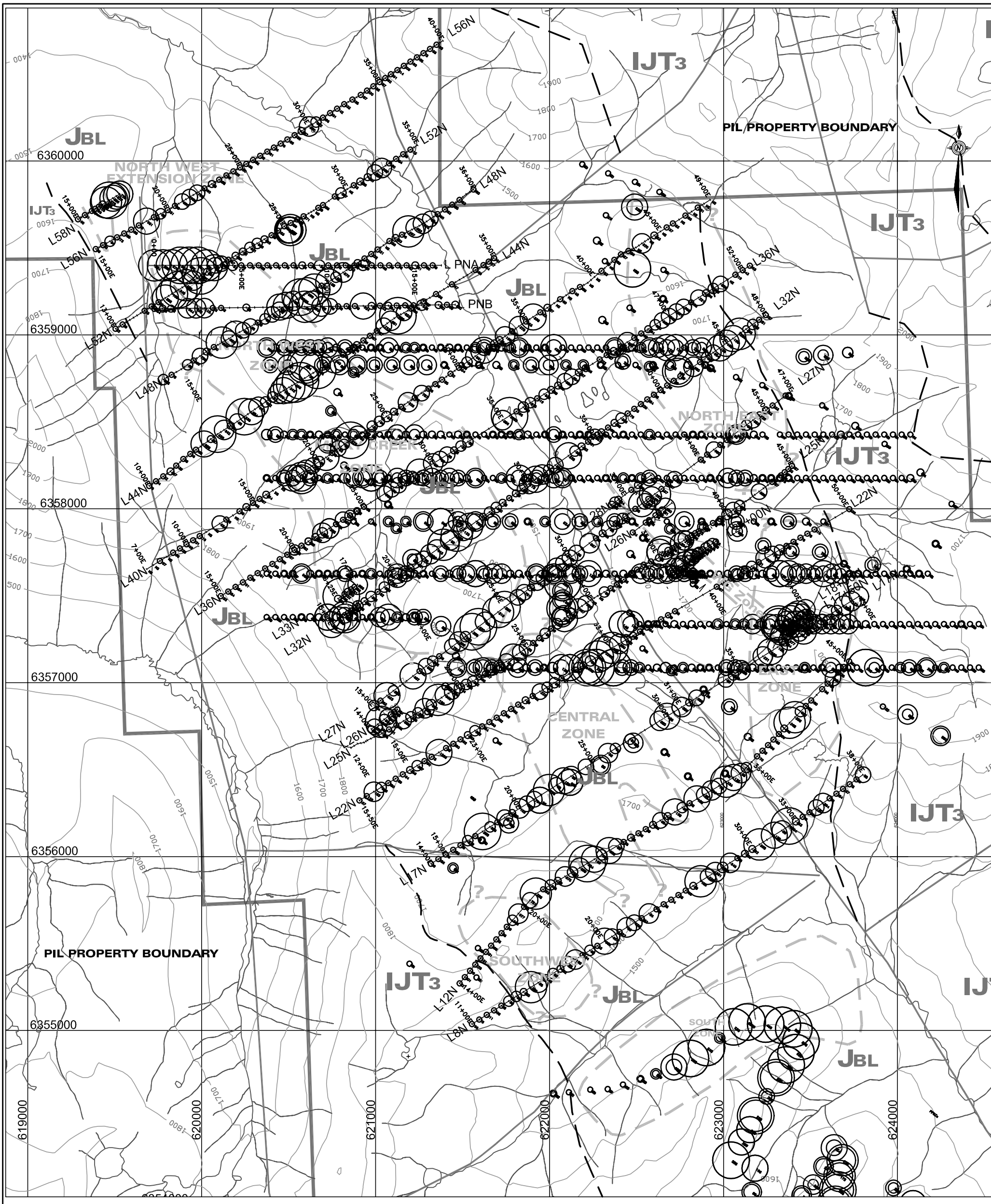
<0.2 Silver geochemistry result in ppm

FINLAY MINERALS LTD.

PIL PROJECT
PIL SOUTH AREA
2003 Rock Geochemistry Map
Ag (ppm)

NTS 94E/ 07W

Date:	Drawn By:	Figure:
Dec. 2003	IBEX	18



GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite

IJT3 TOODOGONE FORMATION VOLCANICS

Fault

Geological contact

- >276 ppm Cu
- 171-276 ppm Cu
- 117-170 ppm Cu
- 81-116 ppm Cu
- 63-80 ppm Cu
- 51-62 ppm Cu
- 41-50 ppm Cu
- <41 ppm Cu
- No result

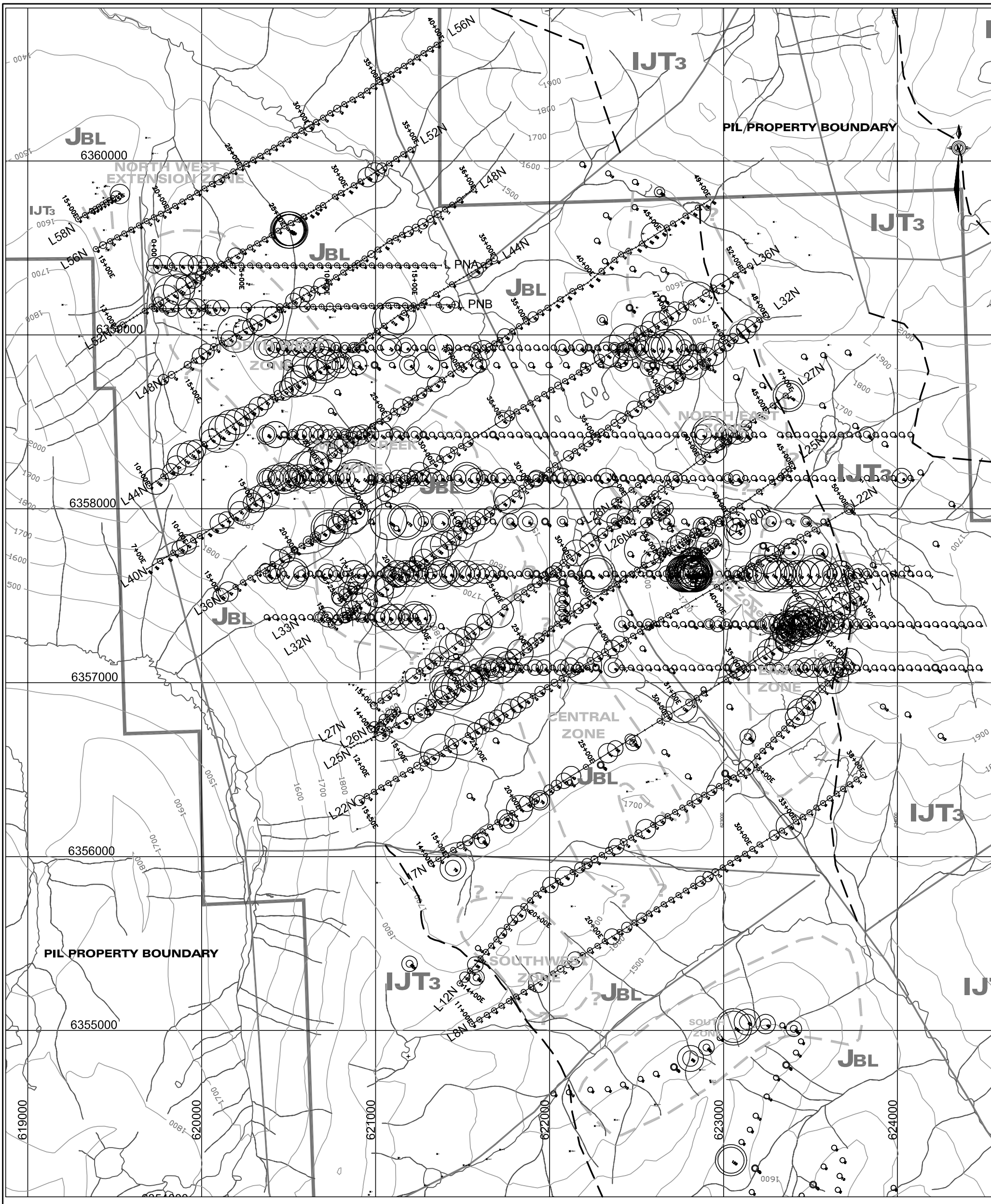
SCALE 1: 10,000

0 1000M

FINLAY MINERALS LTD.

PIL PROJECT
PIL NORTH
SOIL GEOCHEMISTRY MAP
Cu (ppm)

Date:	Drawn By:	Figure:
December 2003	IBEX	19



GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite

IJT3 TOODOGONE FORMATION VOLCANICS

Fault

Geological contact

- >190 ppb Au
- 120-190 ppb Au
- 73-119 ppb Au
- 37-72 ppb Au
- 24-36 ppb Au
- 18-23 ppb Au
- 14-17 ppb Au
- <14 ppb Au
- No result

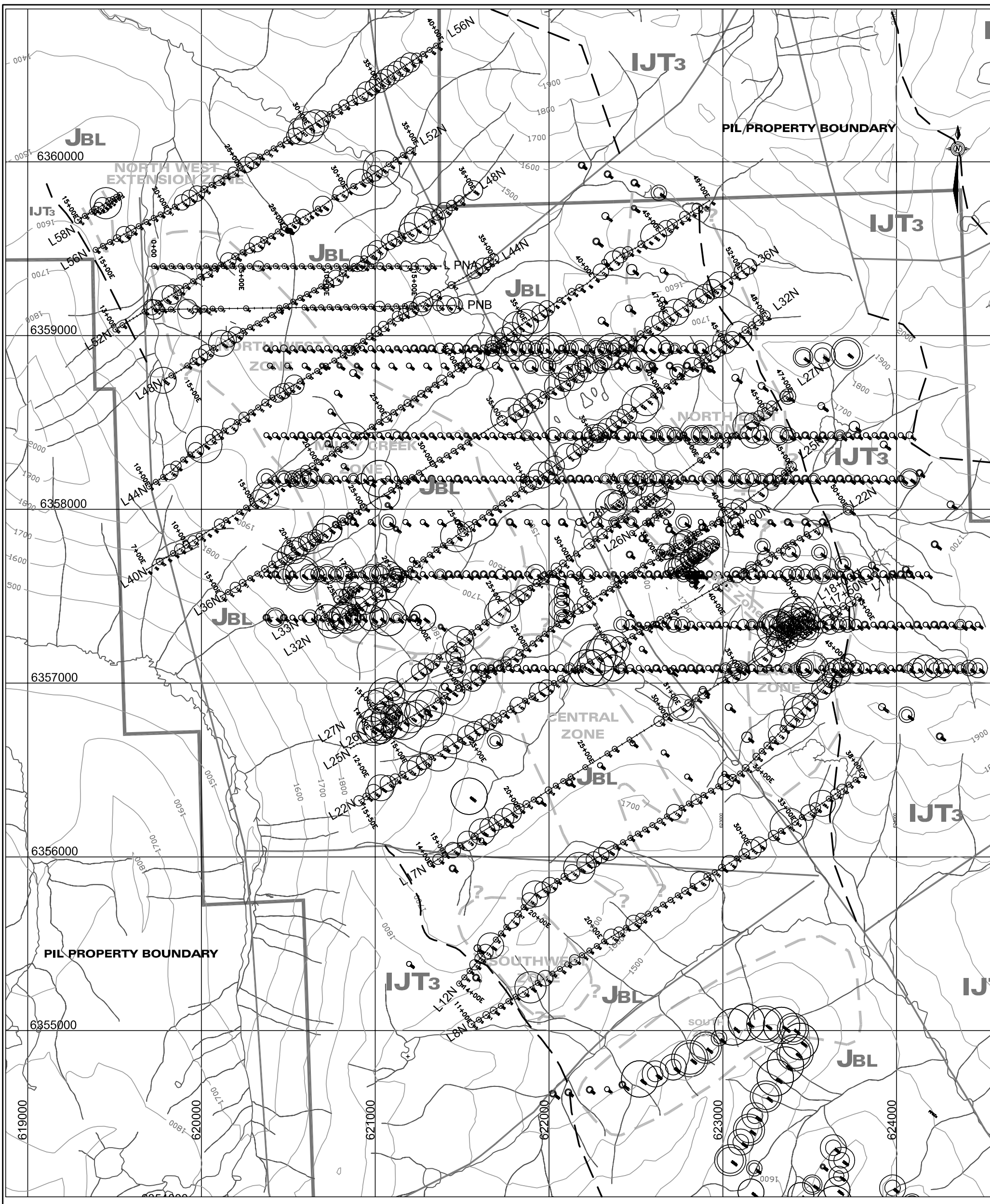
SCALE 1: 10,000

0 1000M

FINLAY MINERALS LTD.

PIL PROJECT
PIL NORTH
SOIL GEOCHEMISTRY MAP
Au (ppb)

Date:	Drawn By:	Figure:
December 2003	IBEX	20



GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
- JBLM -monzonite, granite
- JBLD -diorite
- JBLQD -quartz diorite

IJT3 TOODOGONE FORMATION VOLCANICS

Fault

Geological contact

- >514 ppm Zn
- 341-514 ppm Zn
- 249-340 ppm Zn
- 175-248 ppm Zn
- 143-174 ppm Zn
- 121-142 ppm Zn
- 105-120 ppm Zn
- <105 ppm Zn
- No result

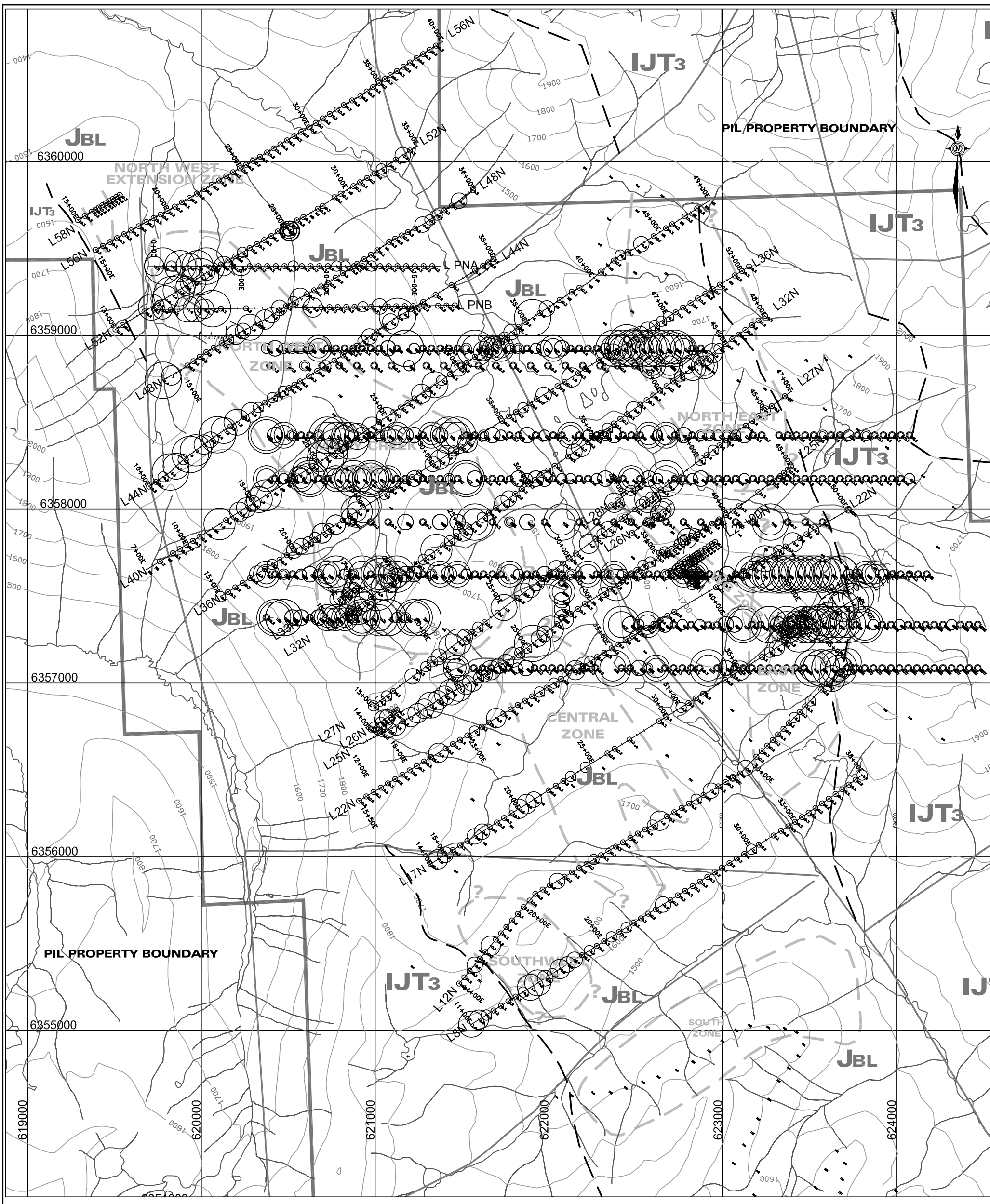
SCALE 1: 10,000

0 1000M

FINLAY MINERALS LTD.

PIL PROJECT
PIL NORTH
SOIL GEOCHEMISTRY MAP
Zn (ppm)

Date:	Drawn By:	Figure:
December 2003	IBEX	21



GEOLOGICAL LEGEND

BLACK LAKE INTRUSIVE SUITE

- JBLS -syenite
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IJT3 TOODOGONE FORMATION VOLCANICS

Fault

Geological contact

- >2.2 ppm Ag
- 1.7-2.2 ppm Ag
- 1.1-1.6 ppm Ag
- 0.7-1.0 ppm Ag
- 0.5-0.6 ppb Au
- 0.3-<0.4 ppm Ag
- 0.2-<0.3 ppm Ag
- <0.2 ppm Ag
- No result

SCALE 1: 10,000

0 1000M

FINLAY MINERALS LTD.

PIL PROJECT
PIL NORTH
SOIL GEOCHEMISTRY MAP
Ag (ppm)

Date:	Drawn By:	Figure:
December 2003	IBEX	22