

LYSANDER GOLD CORPORATION

TALUS FINES AND SEEPAGE GEOCHEMISTRY OF THE
JAJAY PROJECT

STEEL CREEK AND DOROTHY AREAS

NTS 94N 13/14

GERMANSEN LANDING AREA, BRITISH COLUMBIA

by

John Gravel, M.Sc., P.Geo.

Prime Geochemical Methods Ltd.

December, 1997

25414
PART 2 of 2

LYSANDER GOLD CORP.

JAJAY PROJECT
STEEL CREEK AREA

Au (ppb)

Talus Fines Survey

Map Sheets: 94 N

Scale: 1 : 20 000

Date: December 1997

Fig: 1

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Talus Fines

- ◆ xxx ≥ 100
- ◆ 75 - <100
- ◆ 40 - <75
- ◆ 25 - <40
- 15 - <25
- 7 - <15
- 0 - <7

North UTM Coordinates

6207000

6206000

6205000

AL 25

PAL 48

PAL 26

SH 8

SH 3

SH 9

STEELEHEAD 1

SH 4

SH 10

SH 5

AL 24

STEELEHEAD 2

SH 6

PA

348000

349000

350000

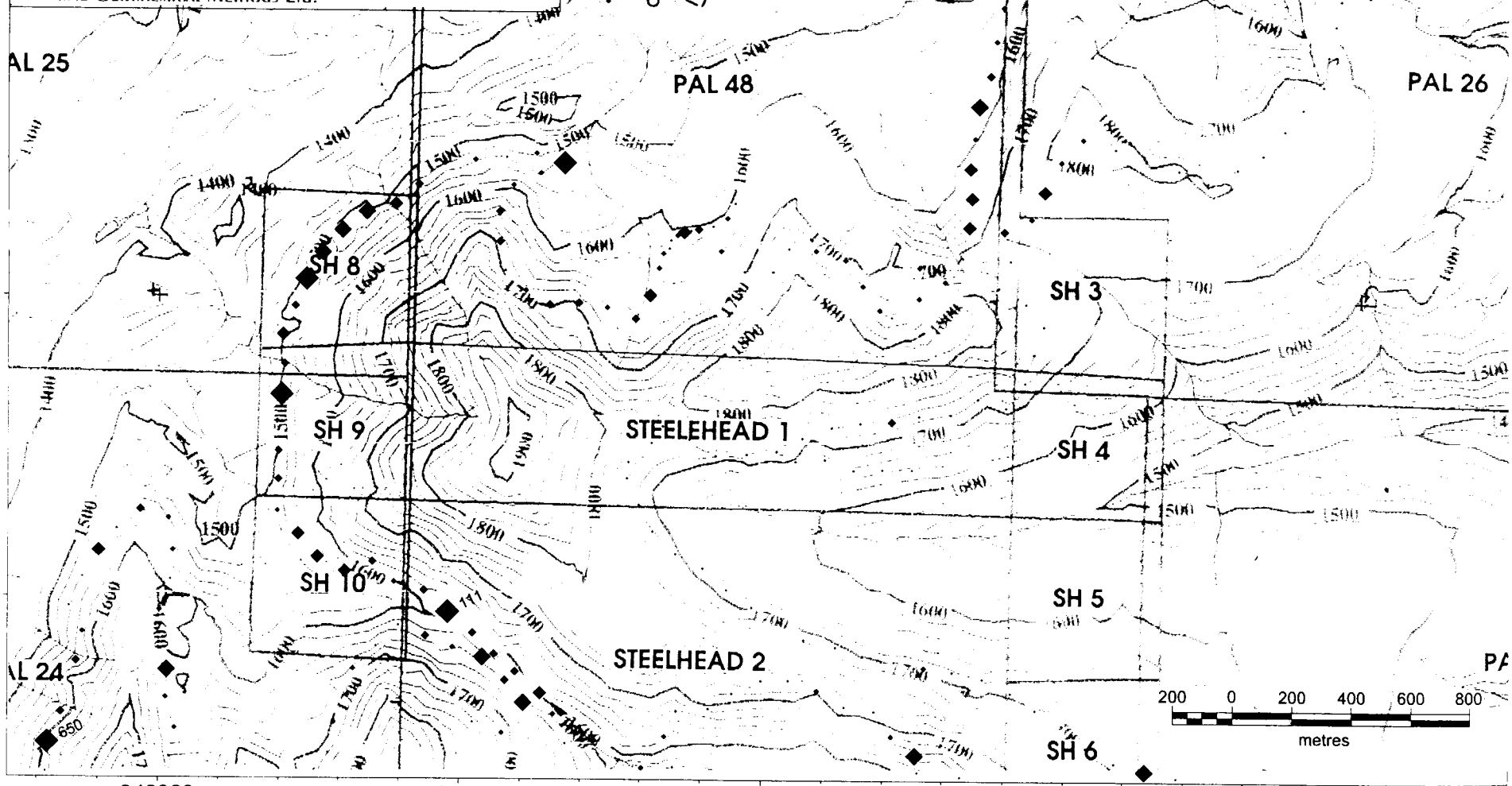
351000

352000

East UTM Coordinates

200 0 200 400 600 800

metres



LYSANDER GOLD CORP.

JAJAY PROJECT
STEEL CREEK AREA

Cu (ppm)

Seepage and Talus Fines Survey

Map Sheets: 94 N

Scale: 1 : 20 000

Date: December 1997

Fig: 3

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Seepage

- xxx ≥ 375
- 190 - <375
- 100 - <190
- 50 - <100
- 30 - <50
- 15 - <30
- 0 - <15

Talus Fines

- ◆ xxx ≥ 2500
- ◆ 1550 - <2500
- ◆ 950 - <1550
- ◆ 650 - <950
- ◆ 455 - <650
- ◆ 285 - <455
- ◆ 0 - <285

North UTM Coordinates

6207000

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East UTM Coordinates

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352000

AL 25

PAL 48

PAL 26

SH 8

SH 3

SH 9

STEELEHEAD 1

SH 4

SH 10

SH 5

STEELEHEAD 2

SH 6



N

PA

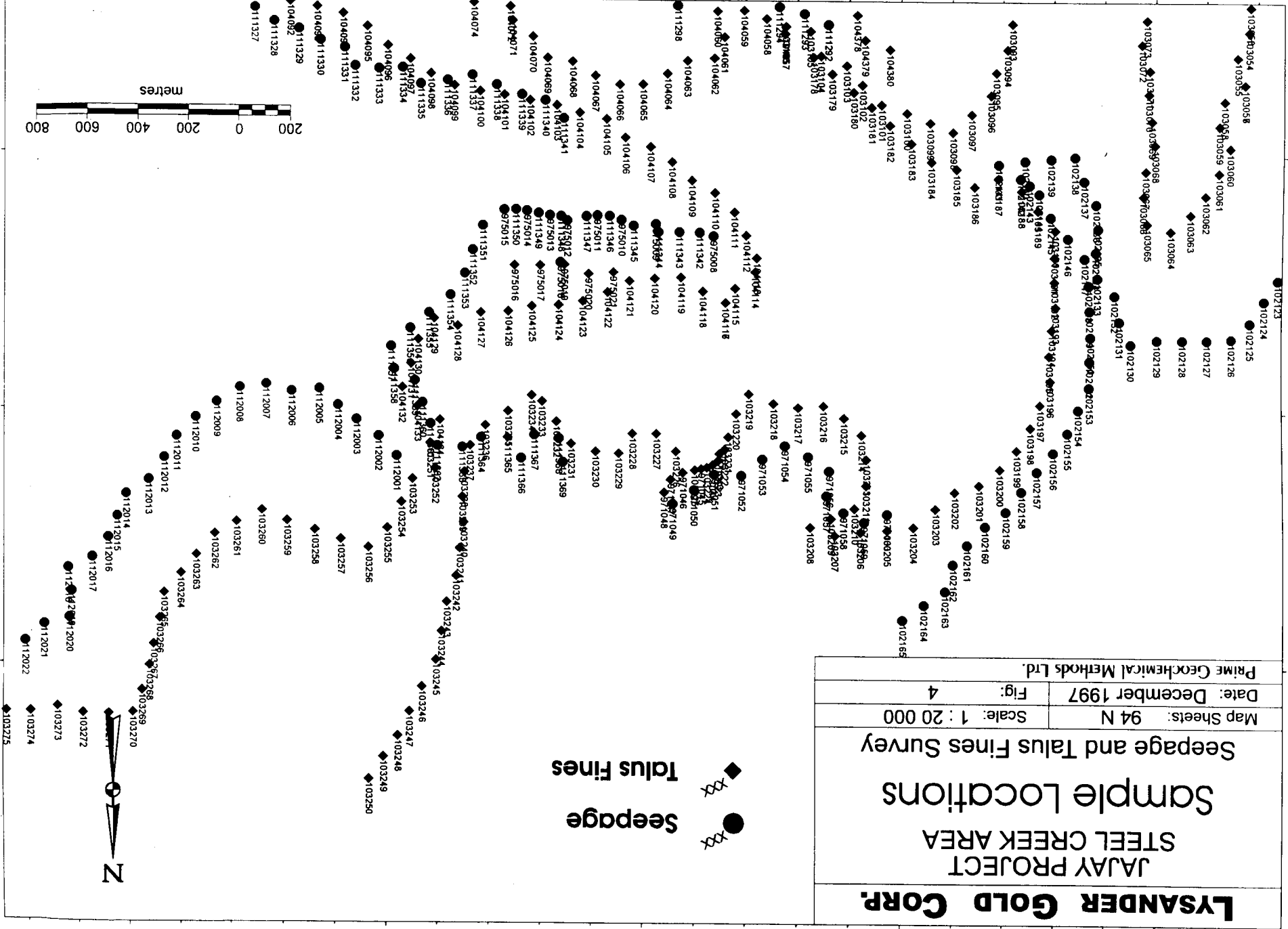
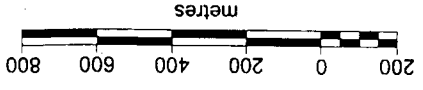
6205000 North UTM Coordinates
 6206000
 6207000

LYSANDER GOLD CORP.
JAY PROJECT
STEEL CREEK AREA
Sample Locations
Seepage and Talus Fines Survey
 Map Sheets: 94 N
 Date: December 1997
 Fig: 4
 Scale: 1 : 20 000
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Seepage
 Talus Fines

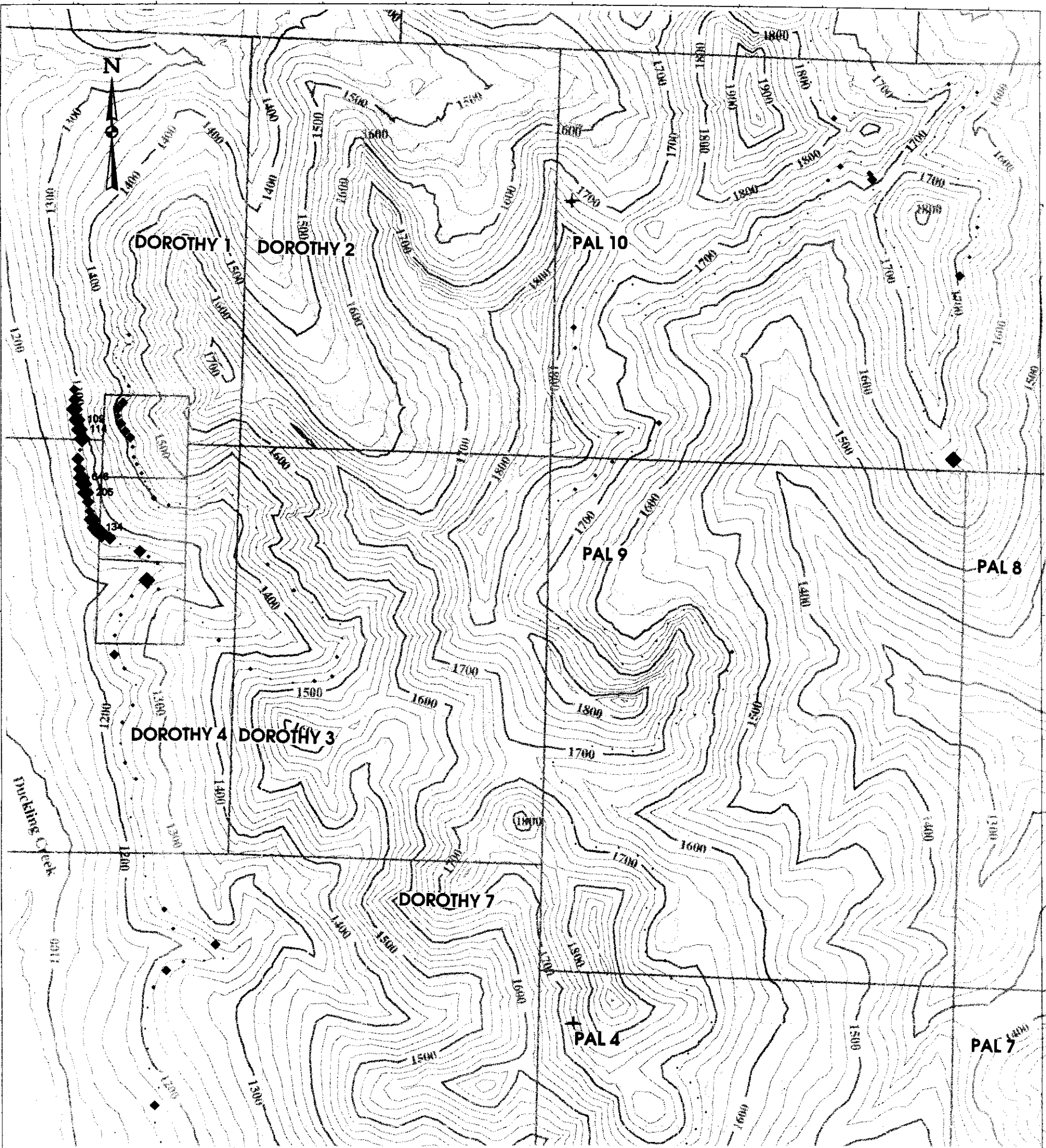


East UTM Coordinates
 348000
 349000
 350000
 351000
 352000



6197000
6195000
6193000
6191000

North UTM Coordinates



Talus Fines

- ◆ ^{xxx} ≥ 100
- ◆ 50 - <100
- ◆ 25 - <50
- ◆ 15 - <25
- 10 - <15
- 5 - <10
- 0 - <5

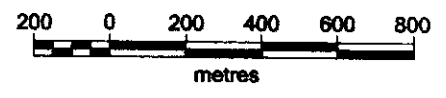
LYSANDER GOLD CORP.

JAJAY PROJECT
DOROTHY AREA

Au (ppb)

Talus Fines Survey

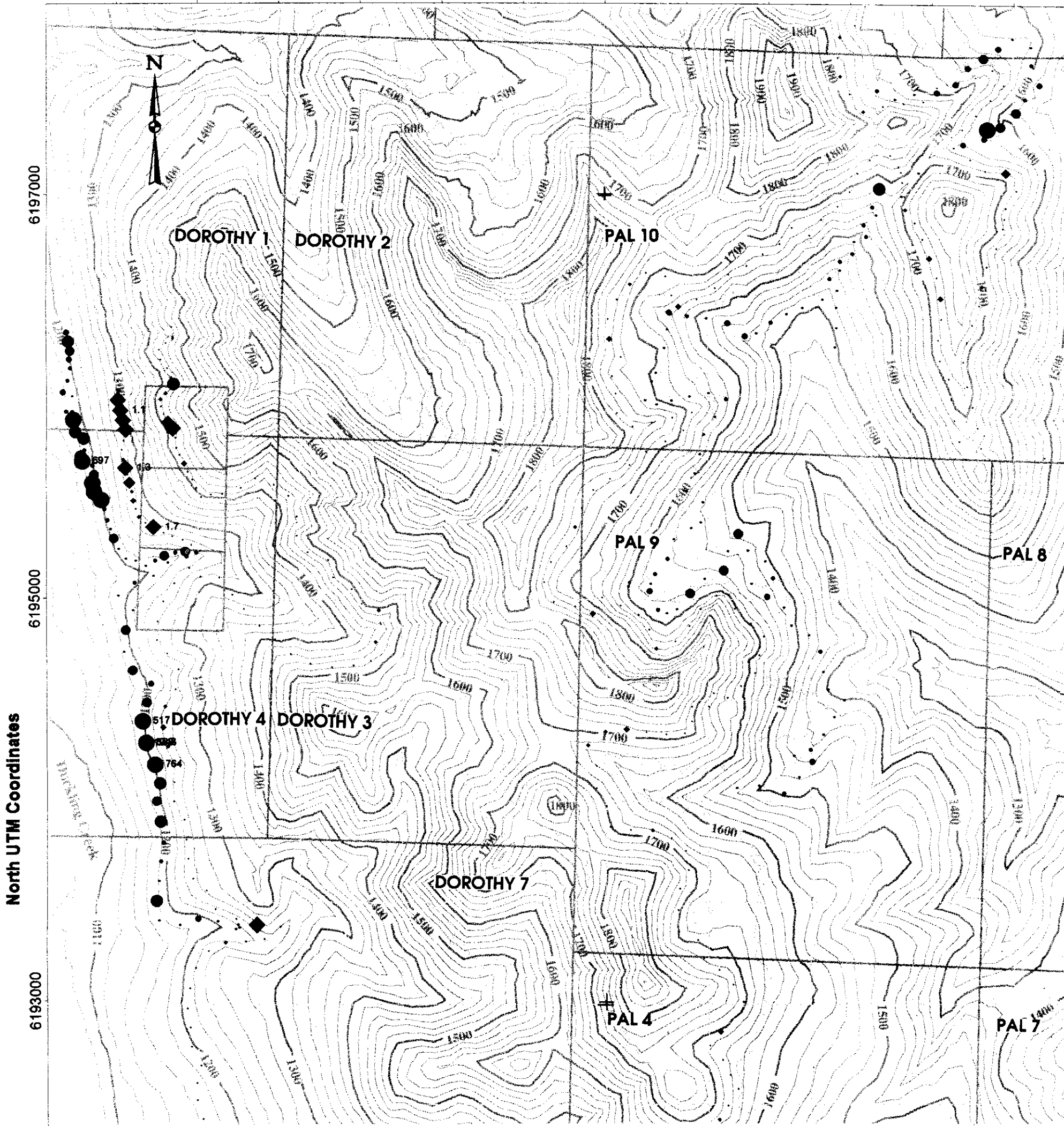
Map Sheets: 94 N	Scale: 1 : 20 000
Date: December 1997	Fig: 1A
PRIME GEOCHEMICAL METHODS LTD.	



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East UTM Coordinates

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North UTM Coordinates

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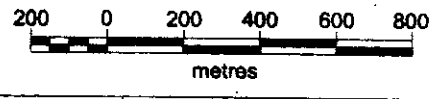
6191000

- | Seepage (ppb) | Talus Fines (ppm) |
|------------------------|------------------------|
| ● ^{xxx} ≥ 500 | ◆ ^{xxx} ≥ 1.0 |
| ● 325 - <500 | ◆ 0.7 - <1.0 |
| ● 225 - <325 | ◆ 0.6 - <0.7 |
| ● 170 - <225 | ◆ 0.5 - <0.6 |
| ● 120 - <170 | ◆ 0.4 - <0.5 |
| ● 80 - <120 | ◆ 0.3 - <0.4 |
| ● 0 - <80 | ◆ 0 - <0.3 |

LYSANDER GOLD CORP.

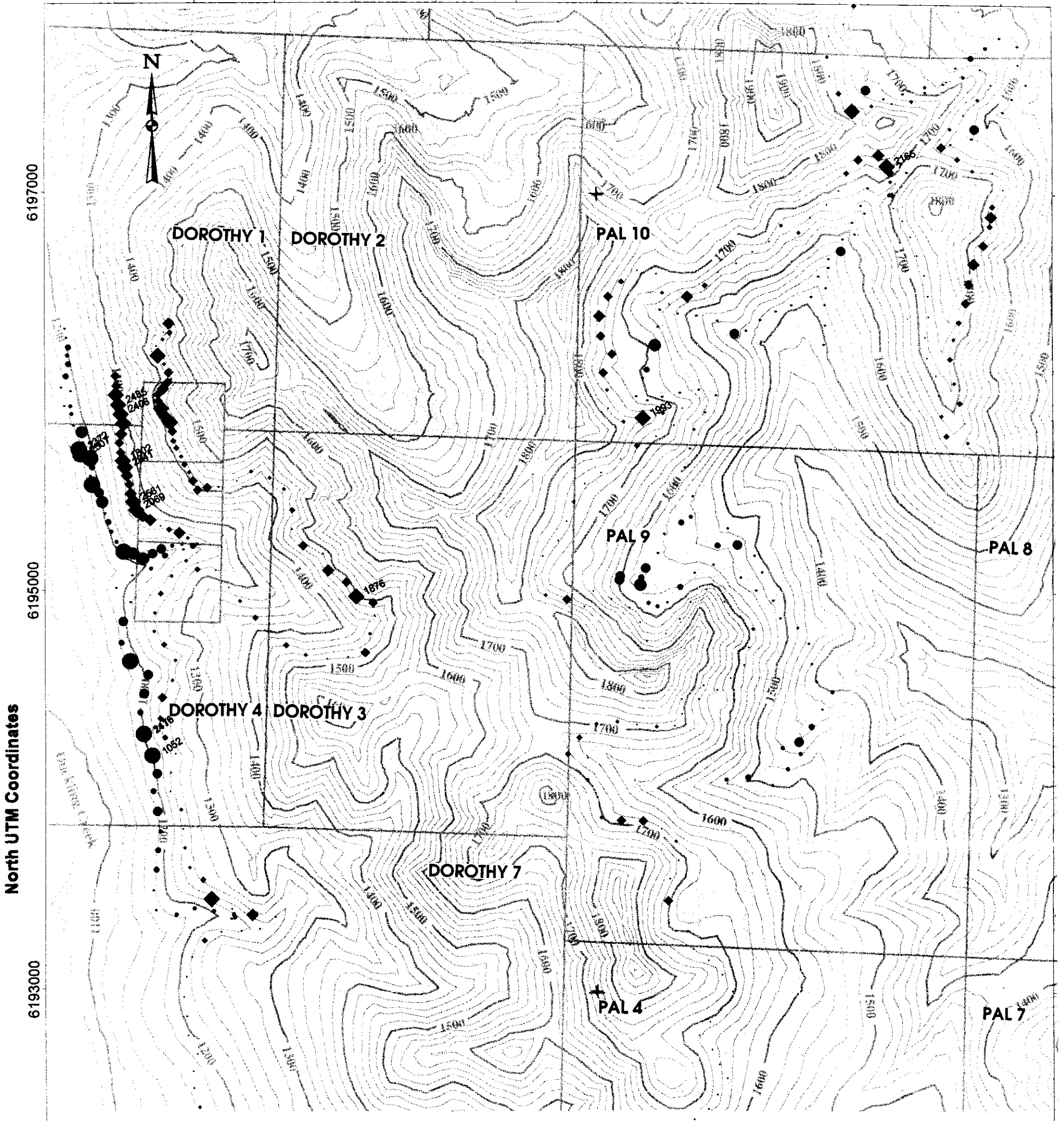
JAJAY PROJECT
DOROTHY AREA
Ag
Talus Fines Survey

Map Sheets: 94 N	Scale: 1 : 20 000
Date: December 1997	Fig: 2A
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354000 356000 358000

East UTM Coordinates



Seepage

- ^{xxx} ≥ 750
- 375 - <750
- 140 - <375
- 80 - <140
- 40 - <80
- 20 - <40
- 0 - <20

Talus Fines

- ◆^{xxx} ≥ 1800
- ◆ 1350 - <1800
- ◆ 900 - <1350
- ◆ 500 - <900
- ◆ 350 - <500
- ◆ 235 - <350
- ◆ 0 - <235

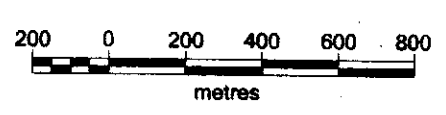
LYSANDER GOLD CORP.

JAJAY PROJECT
DOROTHY AREA
Cu (ppm)
Talus Fines Survey

Map Sheets: 94 N Scale: 1 : 20 000

Date: December 1997 Fig: 3A

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North UTM Coordinates

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East UTM Coordinates

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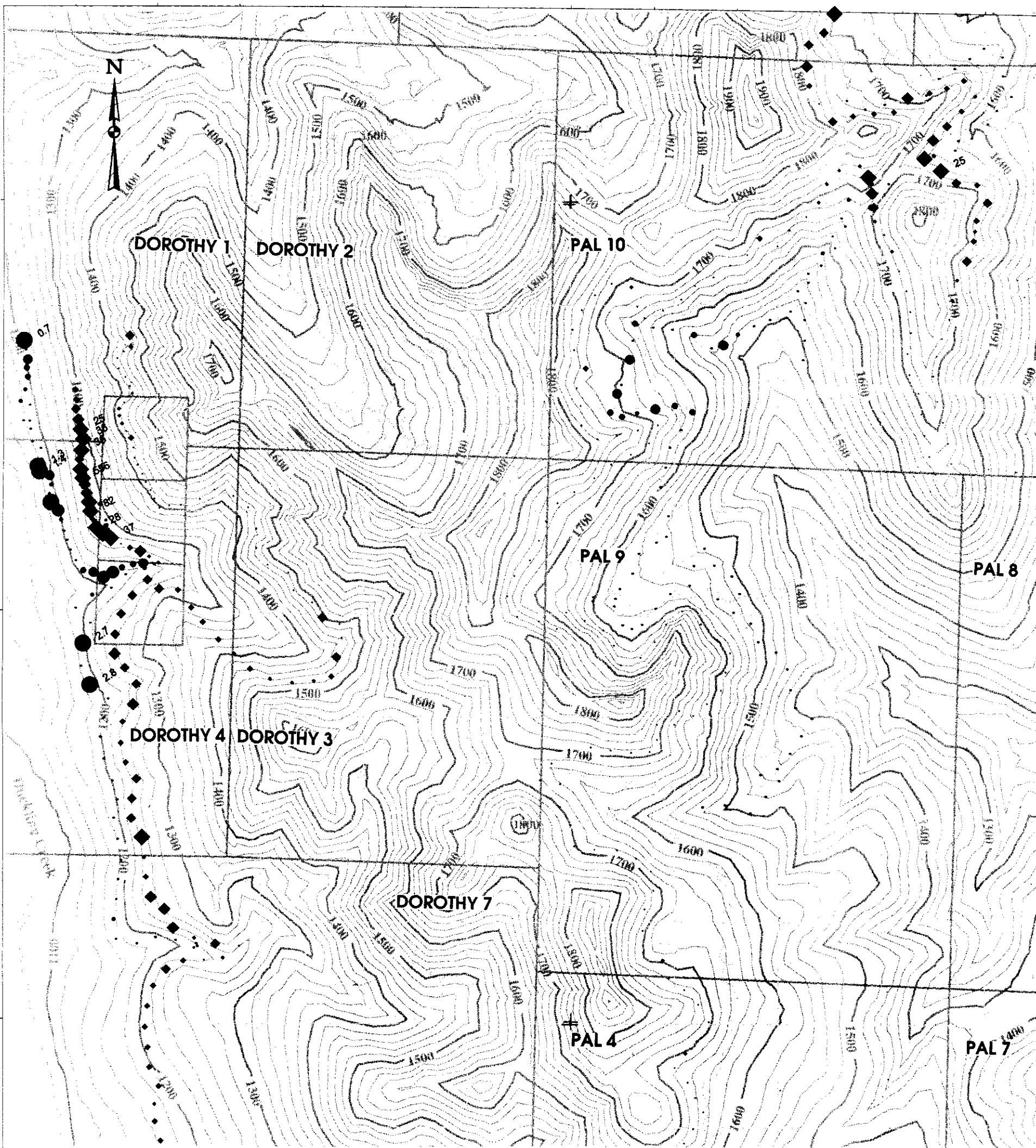
North UTM Coordinates

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Seepage

- xxx ≥ 0.6
- 0.5 - <0.6
- 0.4 - <0.5
- 0.3 - <0.4
- 0.2 - <0.3
- 0.1 - <0.2
- 0 - <0.1

Talus Fines

- ◆ xxx ≥ 25
- ◆ 16 - <25
- ◆ 8 - <16
- ◆ 5 - <8
- ◆ 3 - <5
- ◆ 2 - <3
- ◆ 0 - <2

LYSANDER GOLD CORP.

JAJAY PROJECT
DOROTHY AREA

Mo (ppm)

Talus Fines Survey

Map Sheets: 94 N

Scale: 1 : 20 000

Date: December 1997

Fig: 4A

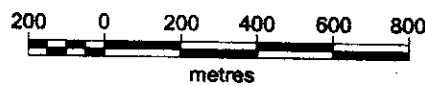
PRIME GEOCHEMICAL Methods Ltd.

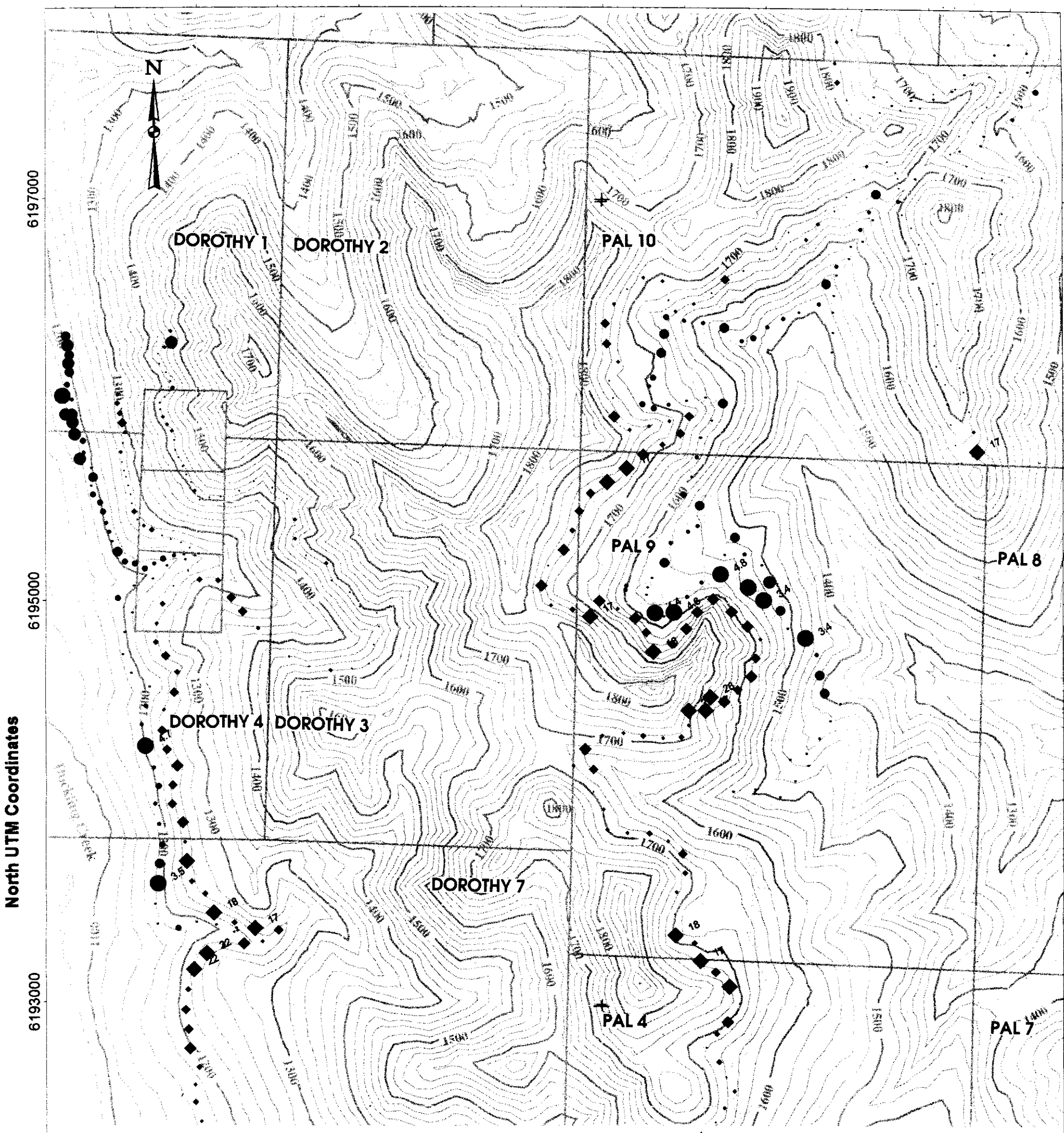
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East UTM Coordinates





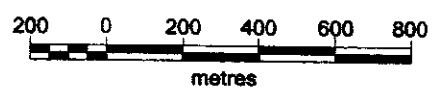
Seepage	Talus Fines
● ≥ 3.4	◆ ≥ 17
● 3.1 - <3.4	◆ 15 - <17
● 2.5 - <3.1	◆ 11 - <15
● 1.8 - <2.5	◆ 8 - <11
● 1.4 - <1.8	◆ 6 - <8
● 0.9 - <1.4	◆ 3 - <6
● 0 - <0.9	◆ 0 - <3

LYSANDER GOLD CORP.

JAJAY PROJECT
 DOROTHY AREA
 Pb (ppm)
 Talus Fines Survey

Map Sheets: 94 N Scale: 1 : 20 000
 Date: December 1997 Fig: 5A

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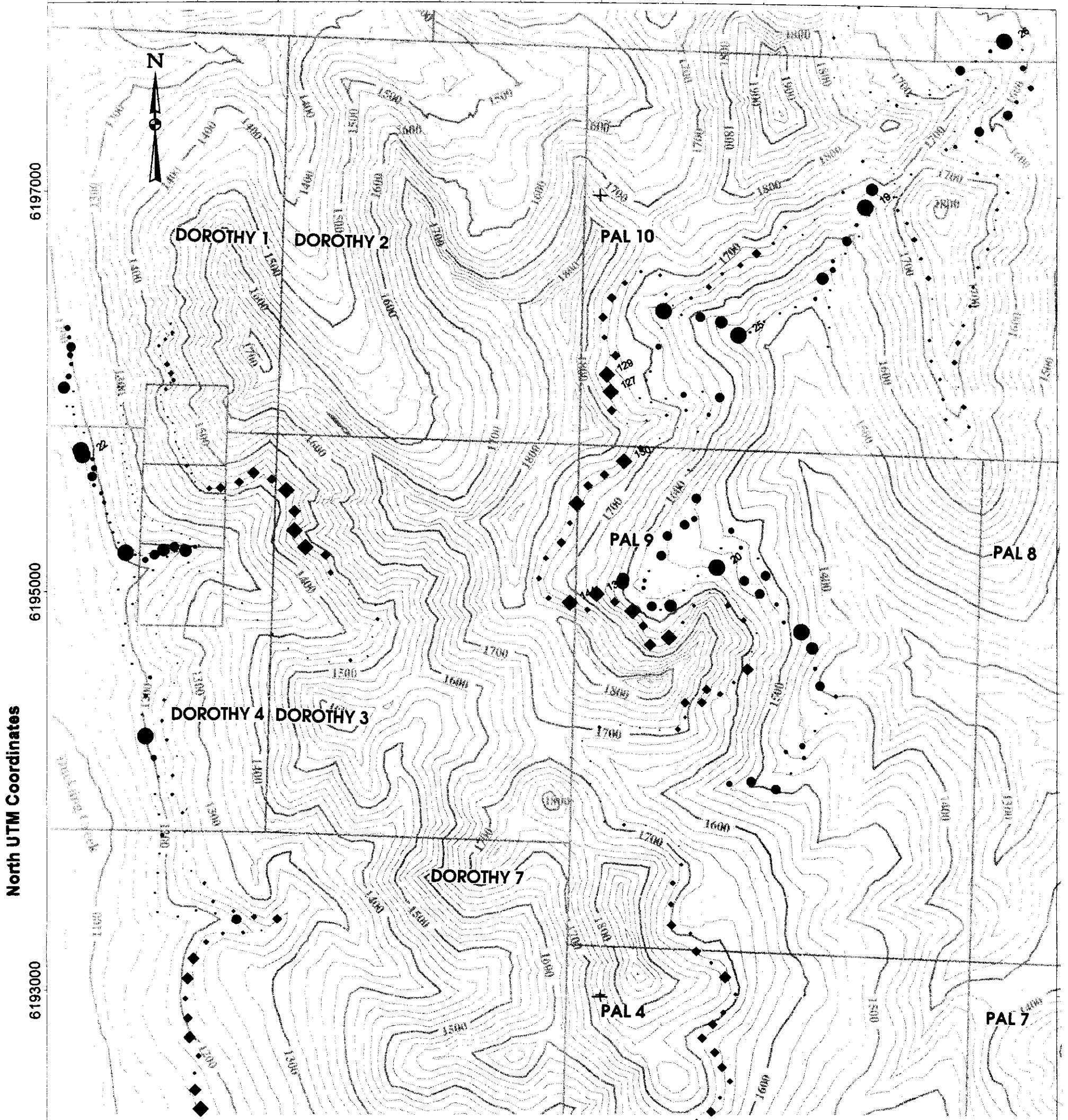


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East UTM Coordinates



Seepage

- ^{xxx} ≥ 18
- 14 - <18
- 11 - <14
- 8 - <11
- 7 - <8
- 5 - <7
- 0 - <5

Talus Fines

- ◆^{xxx} ≥ 125
- ◆ 110 - <125
- ◆ 95 - <110
- ◆ 75 - <95
- ◆ 65 - <75
- ◆ 55 - <65
- ◆ 0 - <55

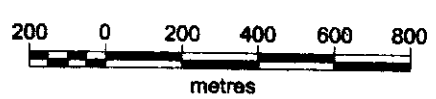
LYSANDER GOLD CORP.

JAJAY PROJECT
DOROTHY AREA
Zn (ppm)
Talus Fines Survey

Map Sheets: 94 N Scale: 1 : 20 000

Date: December 1997 Fig: 6A

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East UTM Coordinates

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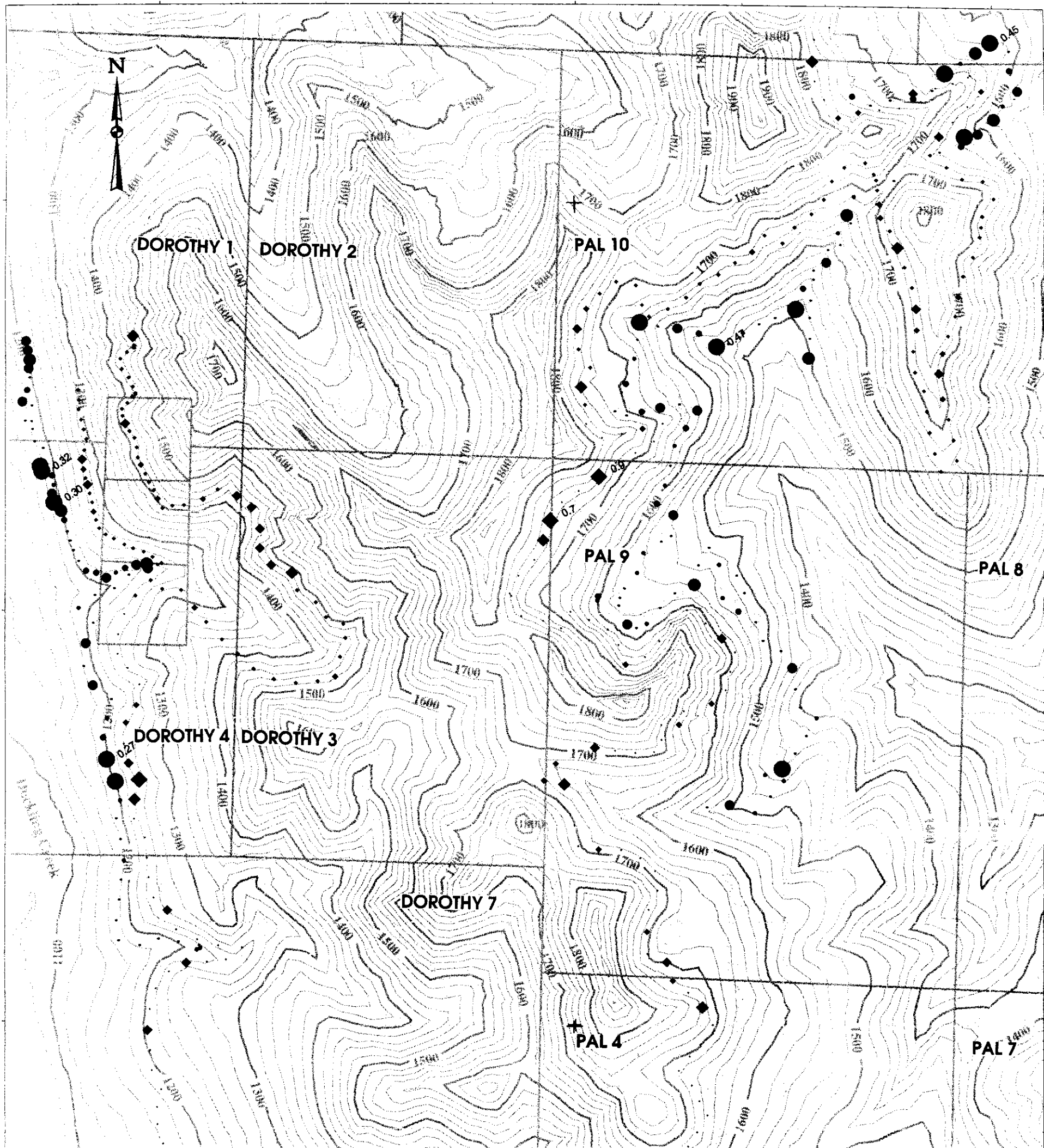
North UTM Coordinates

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Seepage

- ^{xxx} ≥ 0.26
- 0.19 - <0.26
- 0.13 - <0.19
- 0.09 - <0.13
- 0.07 - <0.09
- 0.05 - <0.07
- 0 - <0.05

Talus Fines

- ◆ ^{xxx} ≥ 0.7
- ◆ 0.5 - <0.7
- ◆ 0.4 - <0.5
- ◆ 0.3 - <0.4
- ◆ 0.2 - <0.3
- ◆ 0.1 - <0.2
- ◆ 0 - <0.1

LYSANDER GOLD CORP.

JAJAY PROJECT
DOROTHY AREA

Cd (ppm)

Talus Fines Survey

Map Sheets: 94 N

Scale: 1 : 20 000

Date: December 1997

Fig: 7A

PRIME GEOCHEMICAL METHODS LTD.

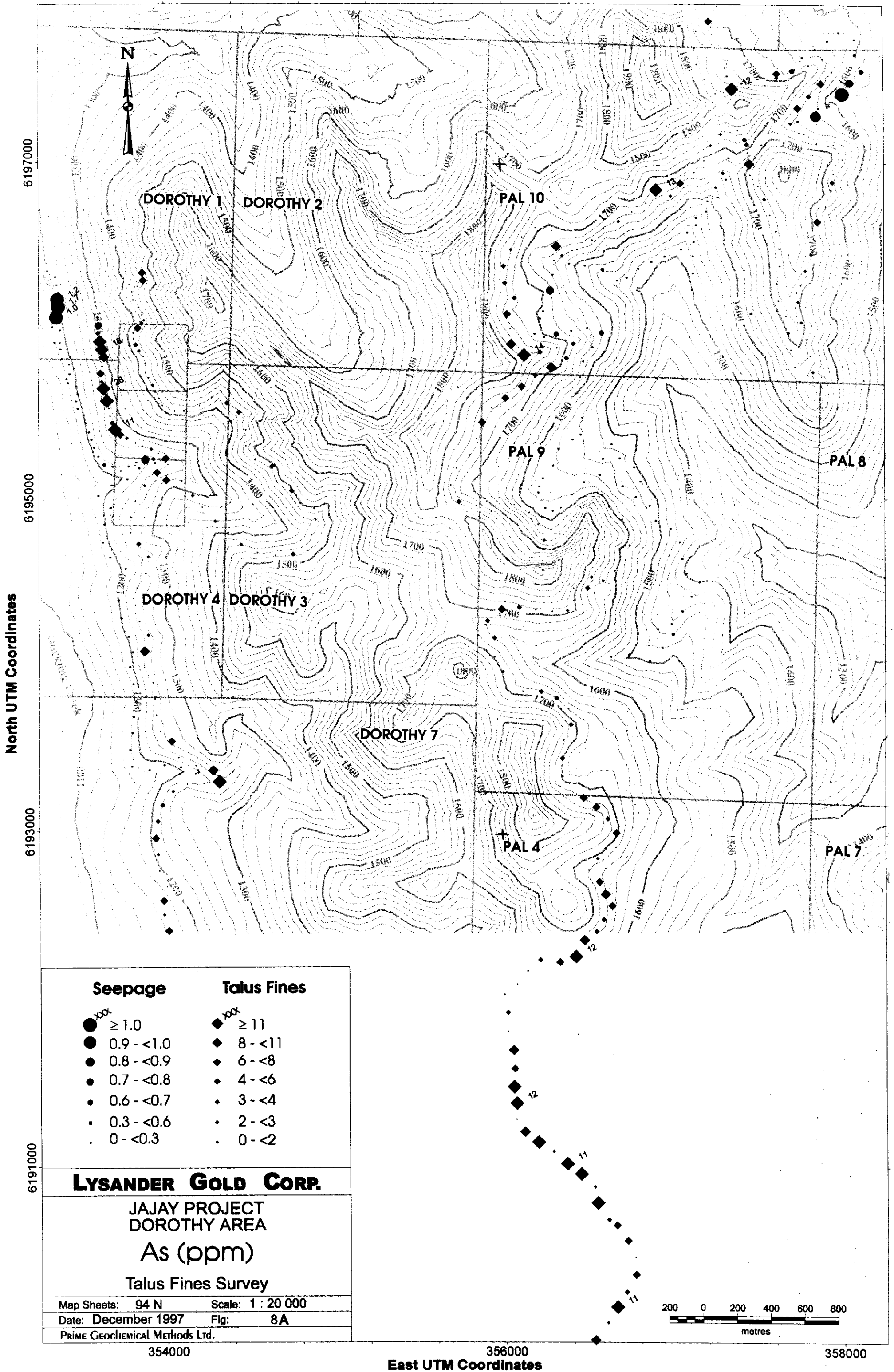


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East UTM Coordinates



Seepage

- ^{xxx} ≥ 1.0
- 0.9 - <1.0
- 0.8 - <0.9
- 0.7 - <0.8
- 0.6 - <0.7
- 0.3 - <0.6
- 0 - <0.3

Talus Fines

- ◆^{xxx} ≥ 11
- ◆ 8 - <11
- ◆ 6 - <8
- ◆ 4 - <6
- ◆ 3 - <4
- ◆ 2 - <3
- ◆ 0 - <2

LYSANDER GOLD CORP.

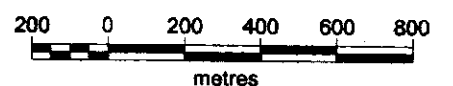
JAJAY PROJECT
DOROTHY AREA

As (ppm)

Talus Fines Survey

Map Sheets: 94 N Scale: 1 : 20 000
Date: December 1997 Fig: 8A

PRIME GEOCHEMICAL METHODS LTD.

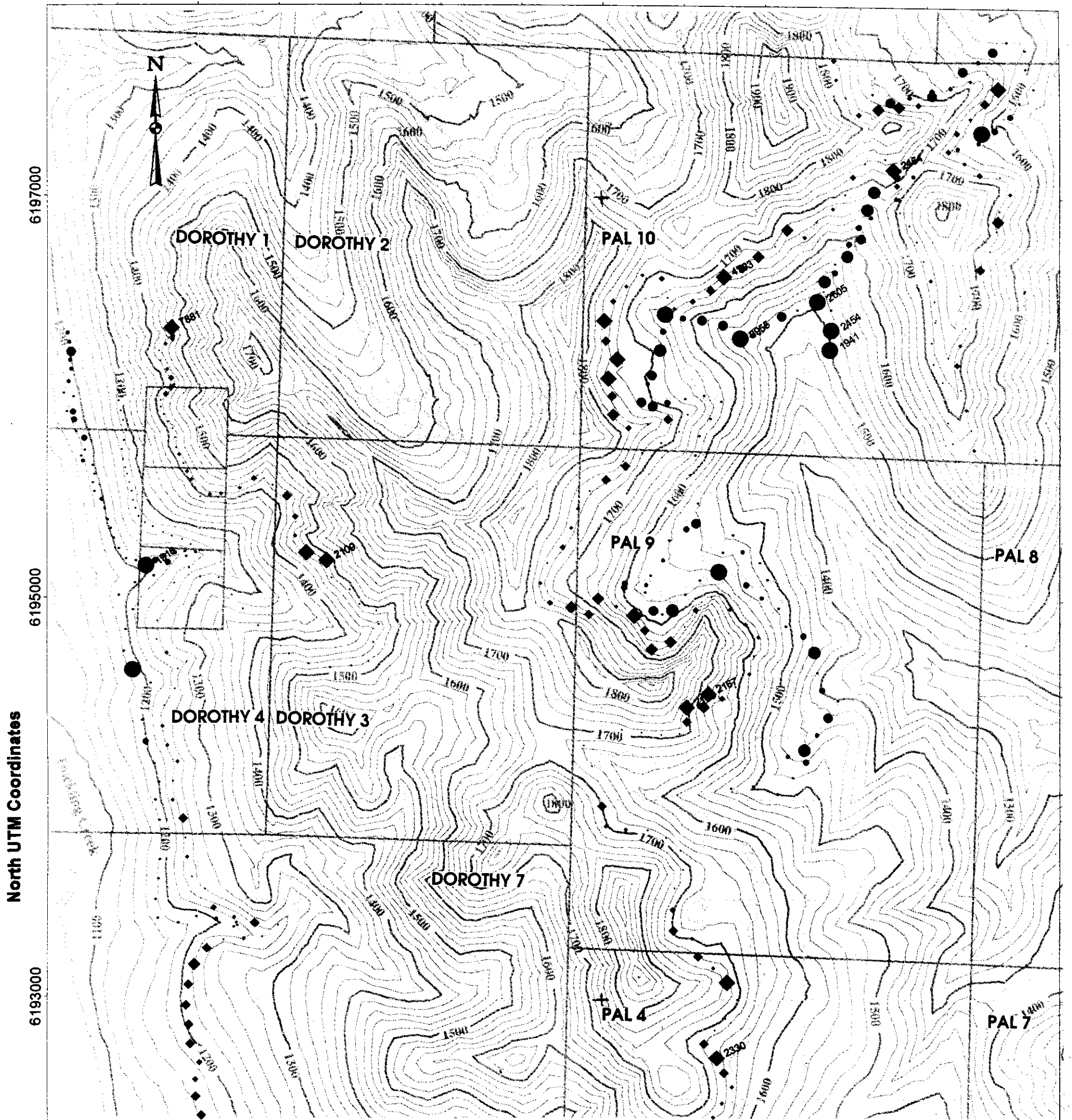


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East UTM Coordinates



Seepage

- ≥ 1850
- 940 - <1850
- 660 - <940
- 410 - <660
- 290 - <410
- 160 - <290
- 0 - <160

Talus Fines

- ◆ ≥ 2100
- ◆ 1750 - <2100
- ◆ 1370 - <1750
- ◆ 970 - <1370
- ◆ 720 - <970
- ◆ 560 - <720
- ◆ 0 - <560

LYSANDER GOLD CORP.

JAJAY PROJECT
DOROTHY AREA

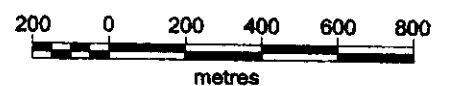
Mn (ppm)

Talus Fines Survey

Map Sheets: 94 N Scale: 1 : 20 000

Date: December 1997 Fig: 9A

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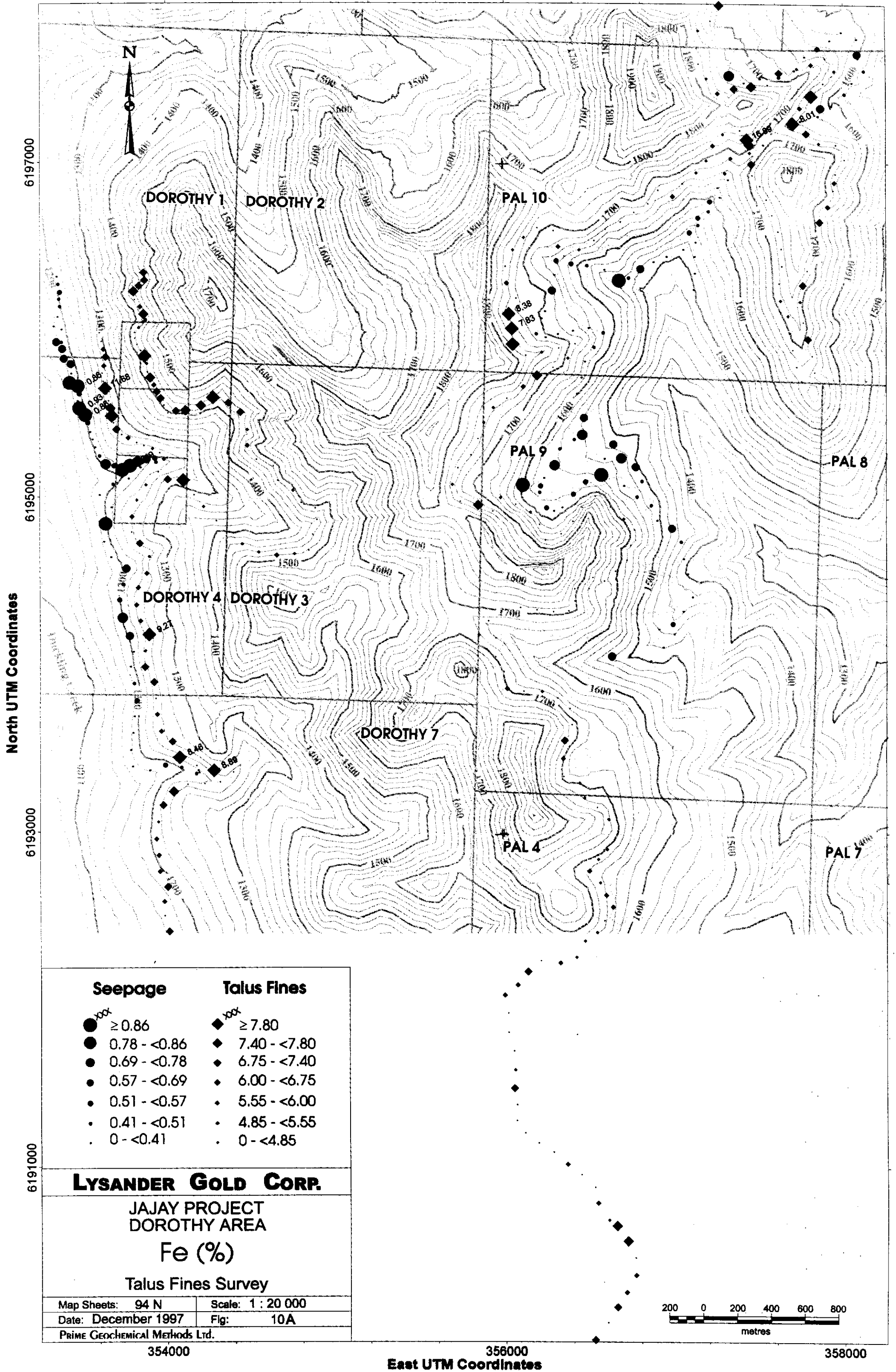
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East UTM Coordinates

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North UTM Coordinates

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DOROTHY 1

DOROTHY 2

PAL 10

DOROTHY 4

DOROTHY 3

PAL 9

PAL 8

DOROTHY 7

PAL 4

PAL 7

Seepage

- ≥ 0.86
- 0.78 - <0.86
- 0.69 - <0.78
- 0.57 - <0.69
- 0.51 - <0.57
- 0.41 - <0.51
- 0 - <0.41

Talus Fines

- ◆ ≥ 7.80
- ◆ 7.40 - <7.80
- ◆ 6.75 - <7.40
- ◆ 6.00 - <6.75
- ◆ 5.55 - <6.00
- ◆ 4.85 - <5.55
- ◆ 0 - <4.85

LYSANDER GOLD CORP.

JAJAY PROJECT
DOROTHY AREA

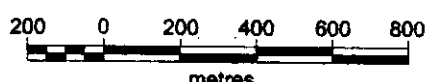
Fe (%)

Talus Fines Survey

Map Sheets: 94 N Scale: 1 : 20 000

Date: December 1997 Fig: 10A

PRIME GEOCHEMICAL METHODS LTD.



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East UTM Coordinates

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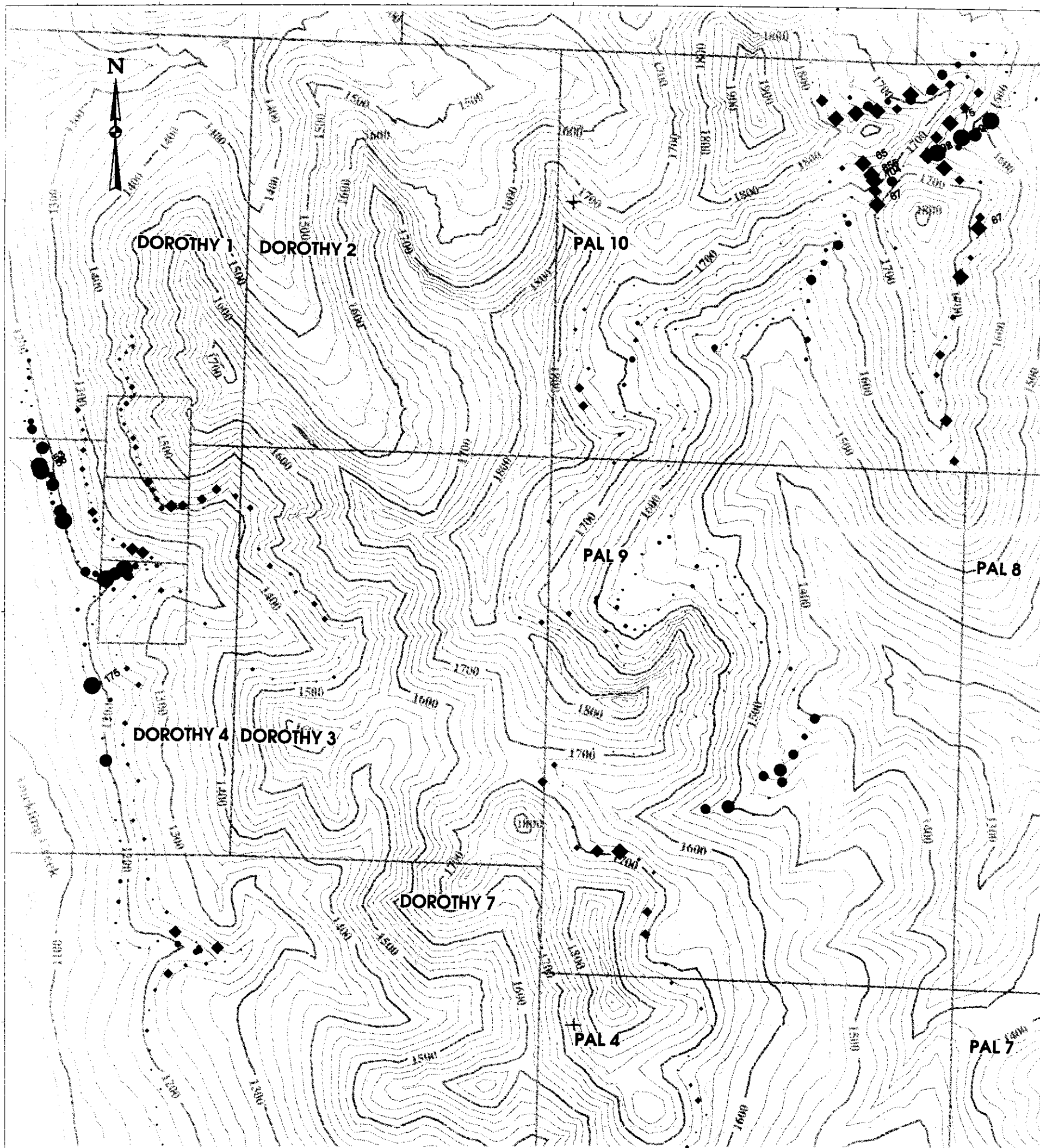
North UTM Coordinates

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Seepage

- ^{xxx} ≥ 52
- 27 - <52
- 18 - <27
- 9 - <18
- 6 - <9
- 3 - <6
- 0 - <3

Talus Fines

- ◆^{xxx} ≥ 64
- ◆ 46 - <64
- ◆ 37 - <46
- ◆ 29 - <37
- ◆ 24 - <29
- ◆ 20 - <24
- ◆ 0 - <20

LYSANDER GOLD CORP.

JAJAY PROJECT
DOROTHY AREA

Co (ppm)

Talus Fines Survey

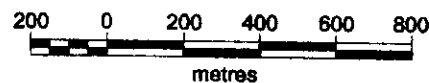
Map Sheets: 94 N

Scale: 1 : 20 000

Date: December 1997

Fig: 11A

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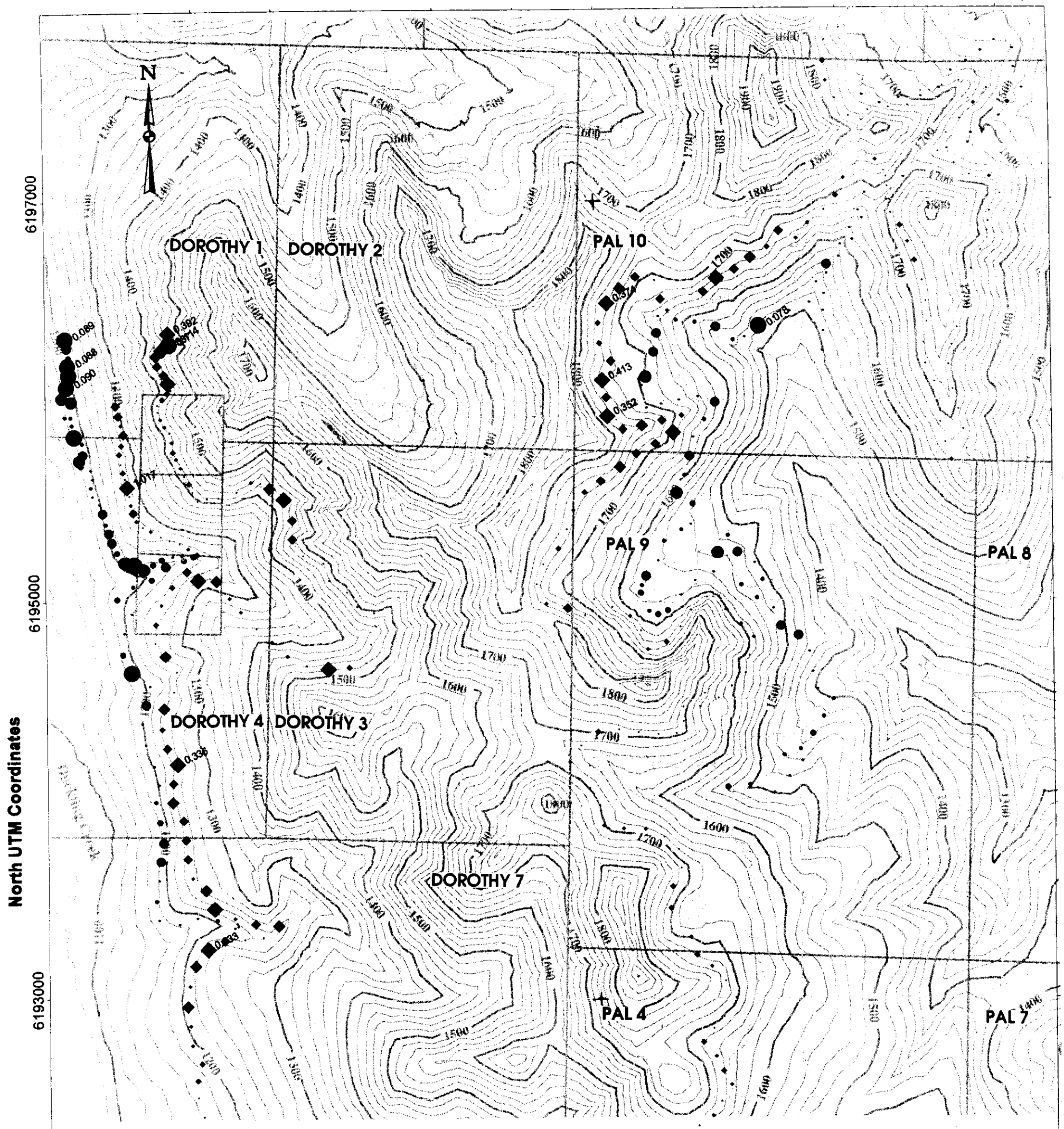


East UTM Coordinates

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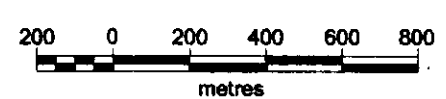


Seepage	Talus Fines
● ≥ 0.077	◆ ≥ 0.332
● 0.062 - <0.077	◆ 0.294 - <0.332
● 0.051 - <0.062	◆ 0.272 - <0.294
● 0.038 - <0.051	◆ 0.204 - <0.272
● 0.028 - <0.038	◆ 0.175 - <0.204
● 0.020 - <0.028	◆ 0.147 - <0.175
● 0 - <0.020	◆ 0 - <0.147

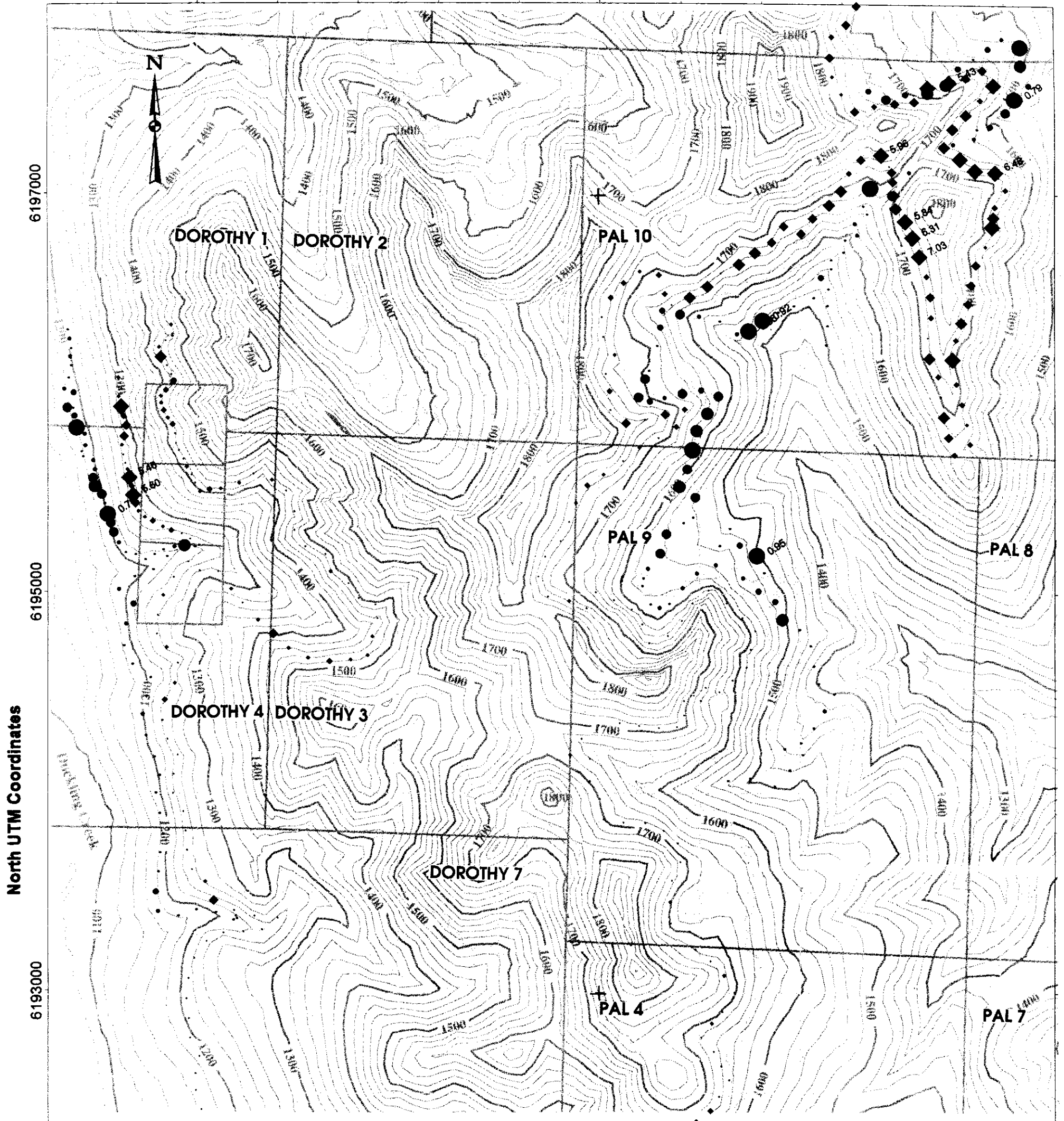
LYSANDER GOLD CORP.

JAJAY PROJECT
 DOROTHY AREA
 P (%)
 Talus Fines Survey

Map Sheets: 94 N Scale: 1 : 20 000
 Date: December 1997 Fig: 12 A
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354000 358000 358000
 East UTM Coordinates



Seepage

- ≥ 0.75
- 0.69 - <0.75
- 0.62 - <0.69
- 0.50 - <0.62
- 0.43 - <0.50
- 0.32 - <0.43
- 0 - <0.32

Talus Fines

- ◆ ≥ 5.40
- ◆ 4.93 - <5.40
- ◆ 4.47 - <4.93
- ◆ 3.77 - <4.47
- ◆ 3.21 - <3.77
- ◆ 2.69 - <3.21
- ◆ 0 - <2.69

LYSANDER GOLD CORP.

JAJAY PROJECT
DOROTHY AREA

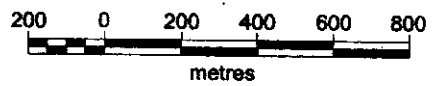
AI (%)

Talus Fines Survey

Map Sheets: 94 N Scale: 1 : 20 000

Date: December 1997 Fig: 13A

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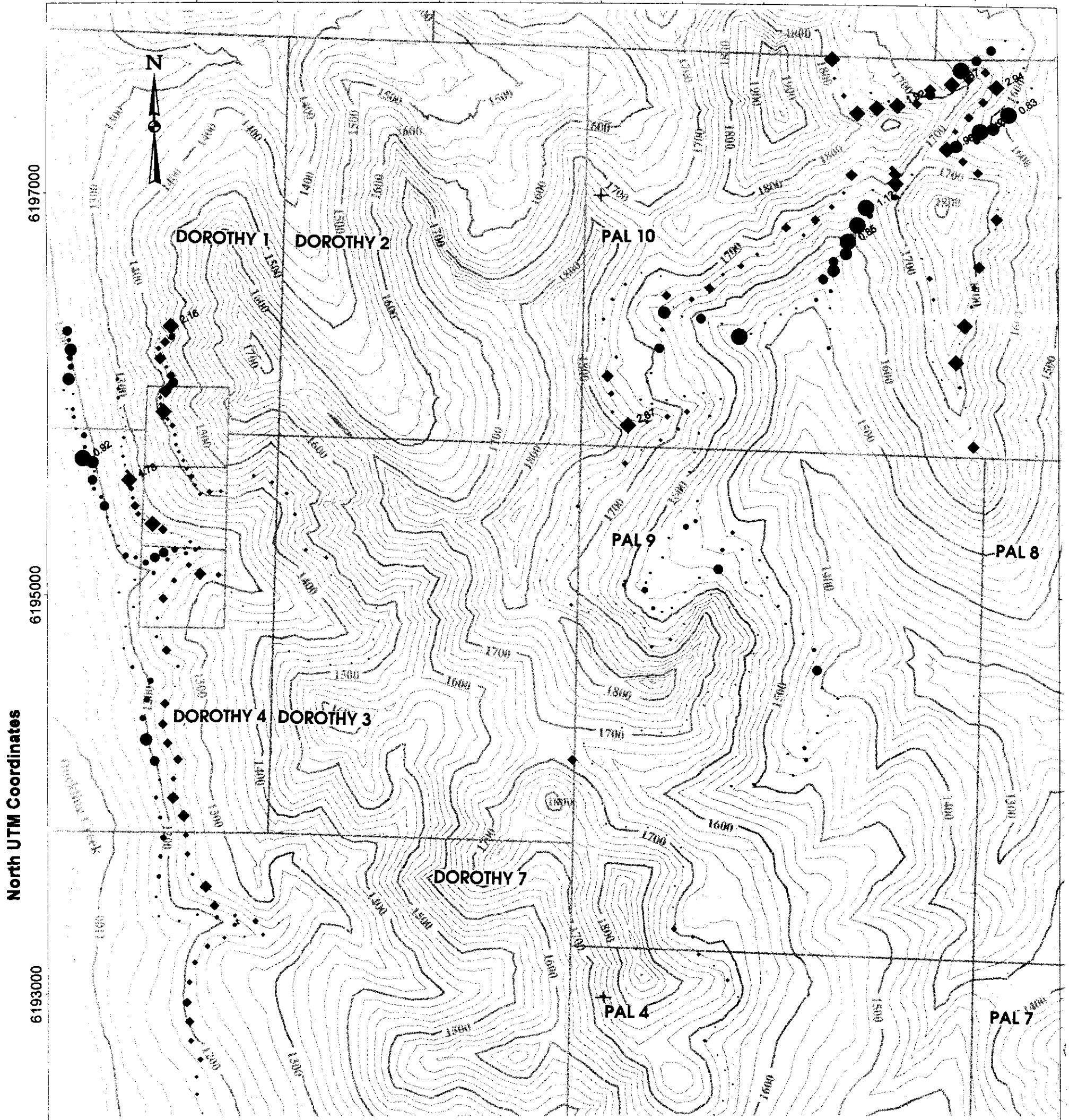
6195000

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East UTM Coordinates

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Seepage

- ≥ 0.82
- 0.74 - <0.82
- 0.62 - <0.74
- 0.48 - <0.62
- 0.37 - <0.48
- 0.27 - <0.37
- 0 - <0.27

Talus Fines

- ◆ ≥ 1.86
- ◆ 1.55 - <1.86
- ◆ 1.33 - <1.55
- ◆ 1.08 - <1.33
- ◆ 0.88 - <1.08
- ◆ 0.71 - <0.88
- ◆ 0 - <0.71

LYSANDER GOLD CORP.

JAJAY PROJECT
DOROTHY AREA

Ca (%)

Talus Fines Survey

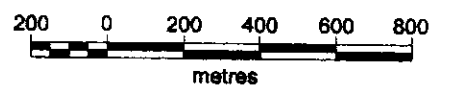
Map Sheets: 94 N

Scale: 1 : 20 000

Date: December 1997

Fig: 14 A

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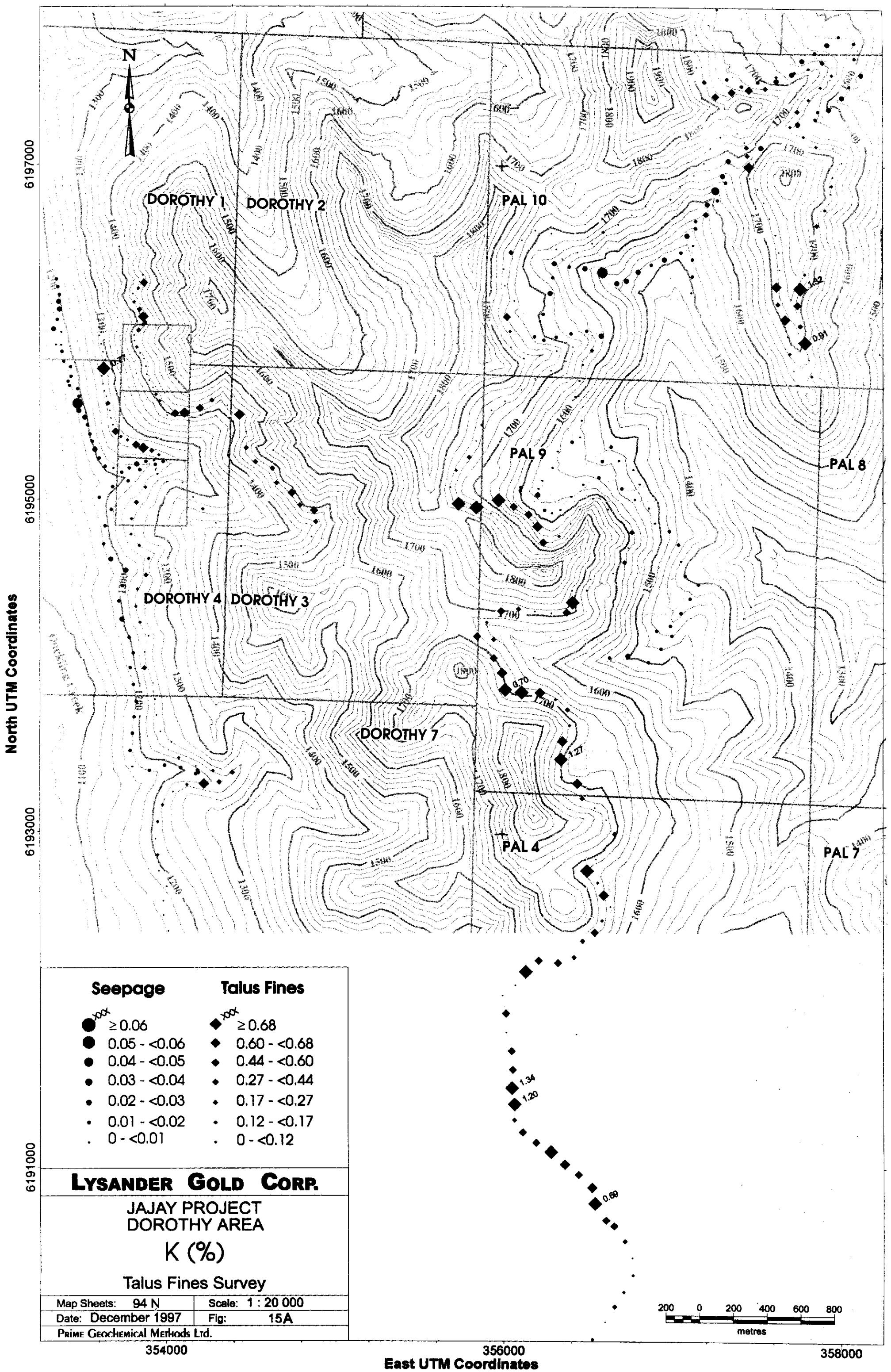


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East UTM Coordinates



Seepage

- ≥ 0.06
- 0.05 - <0.06
- 0.04 - <0.05
- 0.03 - <0.04
- 0.02 - <0.03
- 0.01 - <0.02
- 0 - <0.01

Talus Fines

- ◆ ≥ 0.68
- ◆ 0.60 - <0.68
- ◆ 0.44 - <0.60
- ◆ 0.27 - <0.44
- ◆ 0.17 - <0.27
- ◆ 0.12 - <0.17
- ◆ 0 - <0.12

LYSANDER GOLD CORP.

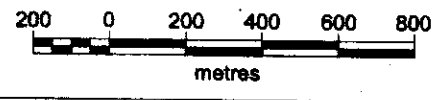
JAJAY PROJECT
DOROTHY AREA
K (%)

Talus Fines Survey

Map Sheets: 94 N Scale: 1 : 20 000

Date: December 1997 Fig: 15A

PRIME GEOCHEMICAL METHODS LTD.

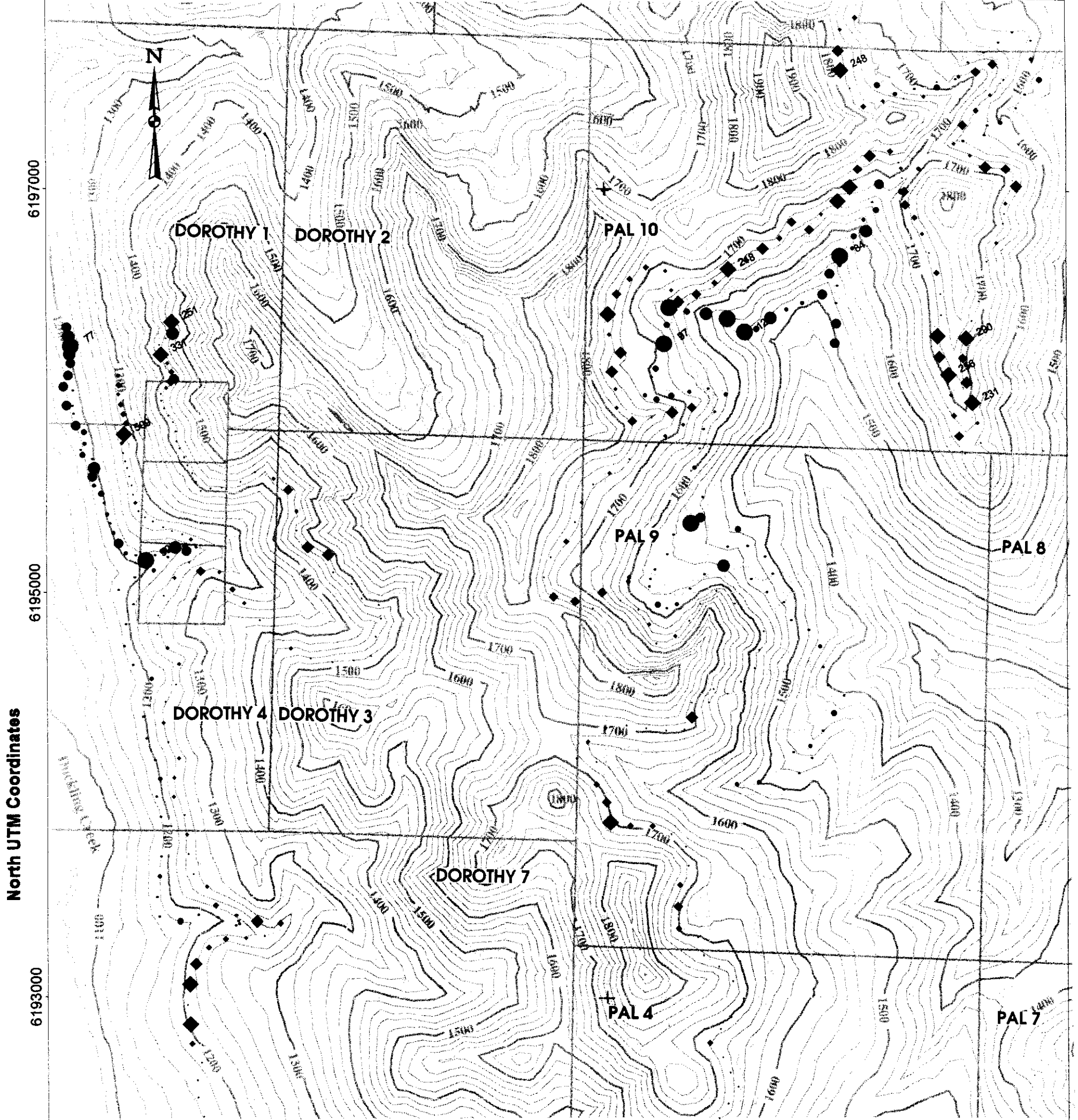


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East UTM Coordinates



Seepage

- ≥ 77
- 70 - <77
- 54 - <70
- 36 - <54
- 28 - <36
- 20 - <28
- 0 - <20

Talus Fines

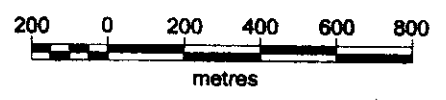
- ◆ ≥ 215
- ◆ 172 - <215
- ◆ 144 - <172
- ◆ 117 - <144
- ◆ 100 - <117
- ◆ 81 - <100
- ◆ 0 - <81

LYSANDER GOLD CORP.

JAJAY PROJECT
 DOROTHY AREA
 Ba (ppm)
 Talus Fines Survey

Map Sheets: 94 N Scale: 1 : 20 000
 Date: December 1997 Fig: 16A

PRIME GEOCHEMICAL METHODS LTD.



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East UTM Coordinates

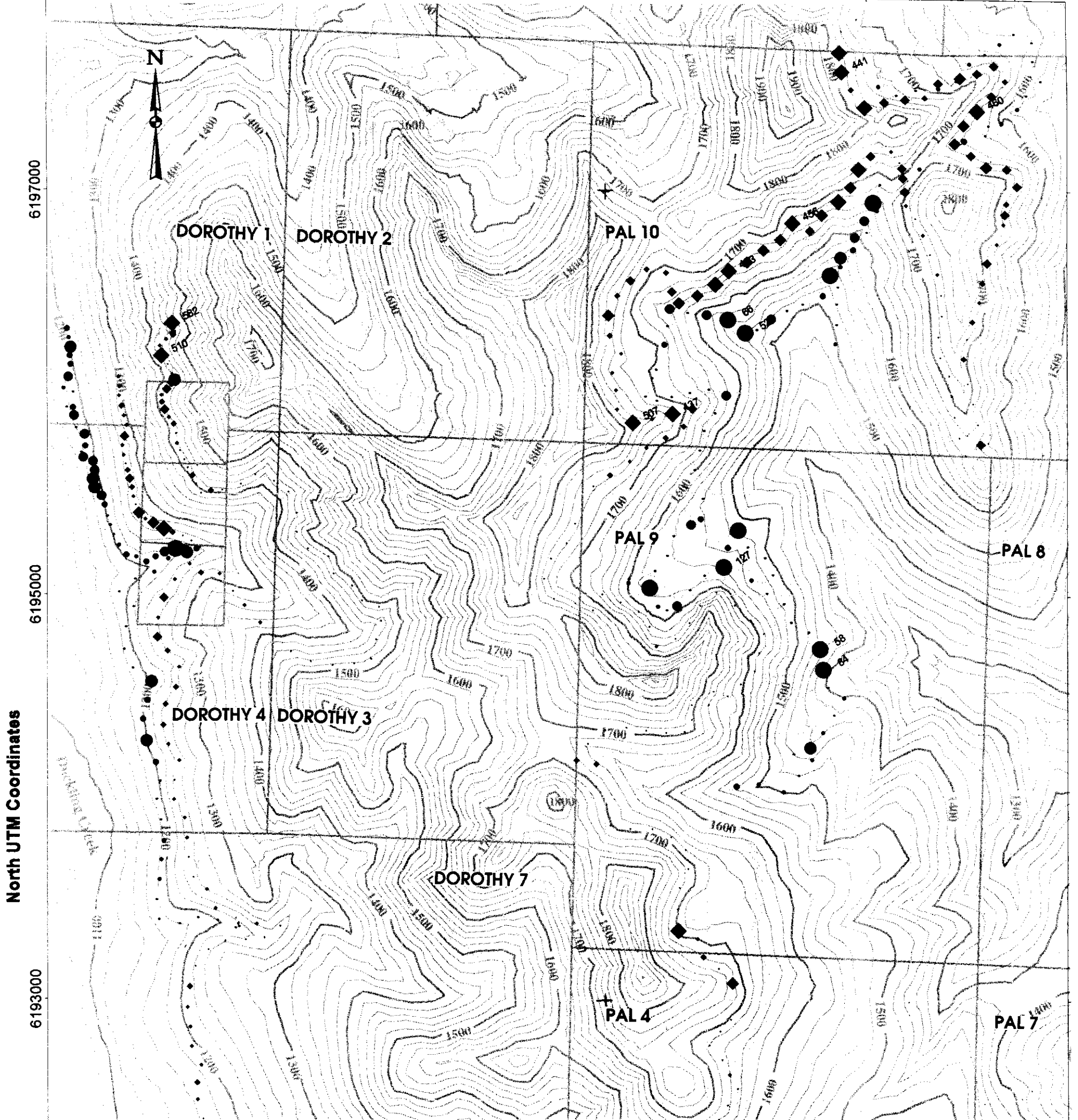
North UTM Coordinates

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North UTM Coordinates

6197000

6195000

6193000

6191000

Seepage

- ^{xxx} ≥ 52
- 40 - <52
- 34 - <40
- 26 - <34
- 21 - <26
- 17 - <21
- 0 - <17

Talus Fines

- ◆ ^{xxx} ≥ 435
- ◆ 325 - <435
- ◆ 240 - <325
- ◆ 160 - <240
- ◆ 110 - <160
- ◆ 85 - <110
- ◆ 0 - <85

LYSANDER GOLD CORP.

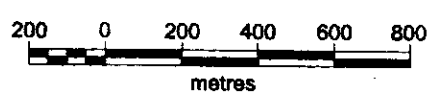
JAJAY PROJECT
DOROTHY AREA
Sr (ppm)

Talus Fines Survey

Map Sheets: 94 N Scale: 1 : 20 000

Date: December 1997 Fig: 17A

PRIME GEOCHEMICAL METHODS LTD.



354000

356000

358000

East UTM Coordinates

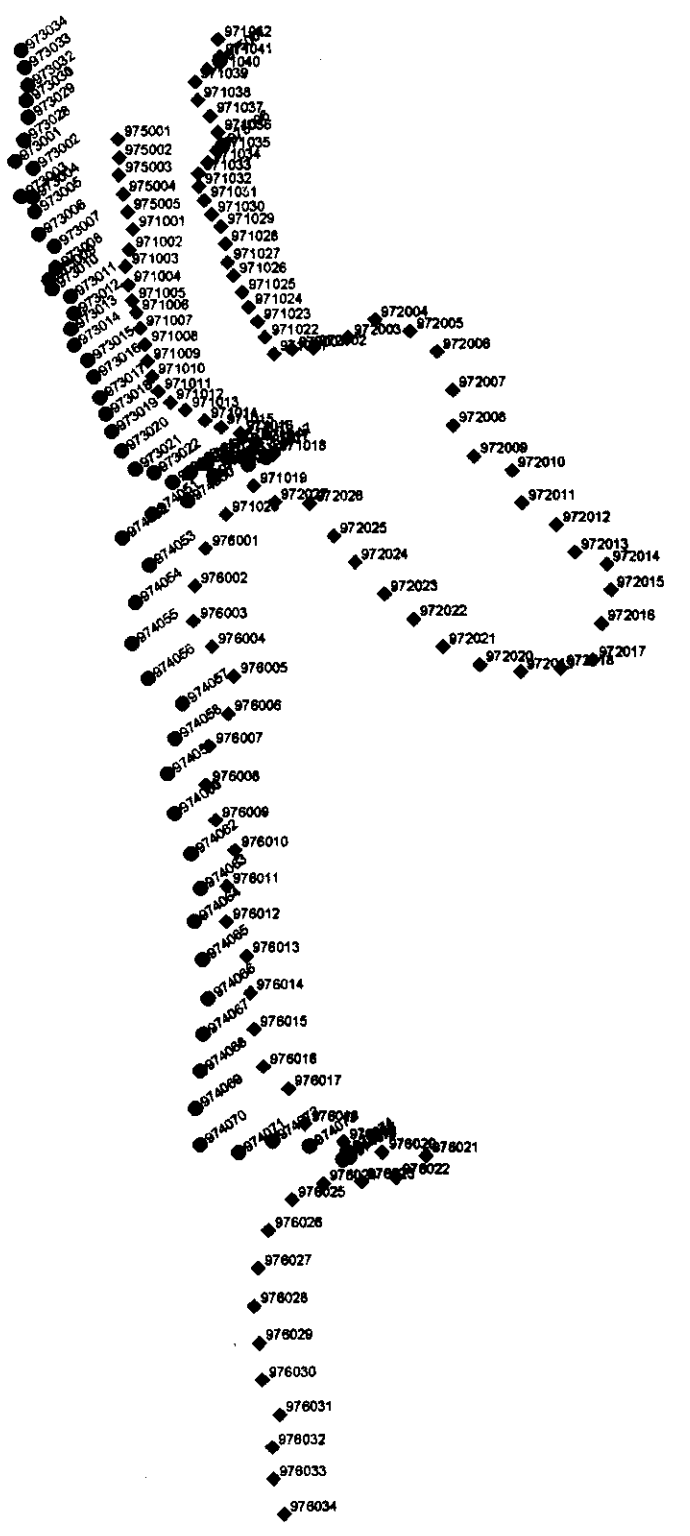


6197000

6195000

6193000

North UTM Coordinates



- XXX Seepage
- ◆ XXX Talus Fines

LYSANDER GOLD CORP.

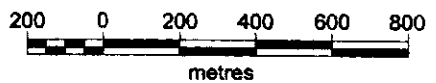
JAJAY PROJECT
DOROTHY AREA

Sample Locations

Seepage and Talus Fines Survey

Map Sheets: 94 N	Scale: 1 : 20 000
Date: December 1997	Fig: 18A

PRIME GEOCHEMICAL METHODS LTD.



6191000

354000

356000

358000

East UTM Coordinates