

BP RESOURCES CANADA LIMITED

LYSANDER GOLD CORPORATION

CAT Claims
1989 - 1990 Soil Survey

NTS 94C/3

GEOLOGICAL BRANCH
ASSESSMENT REPORT

21,351

21351

Figures: B-3a to B-3bb.

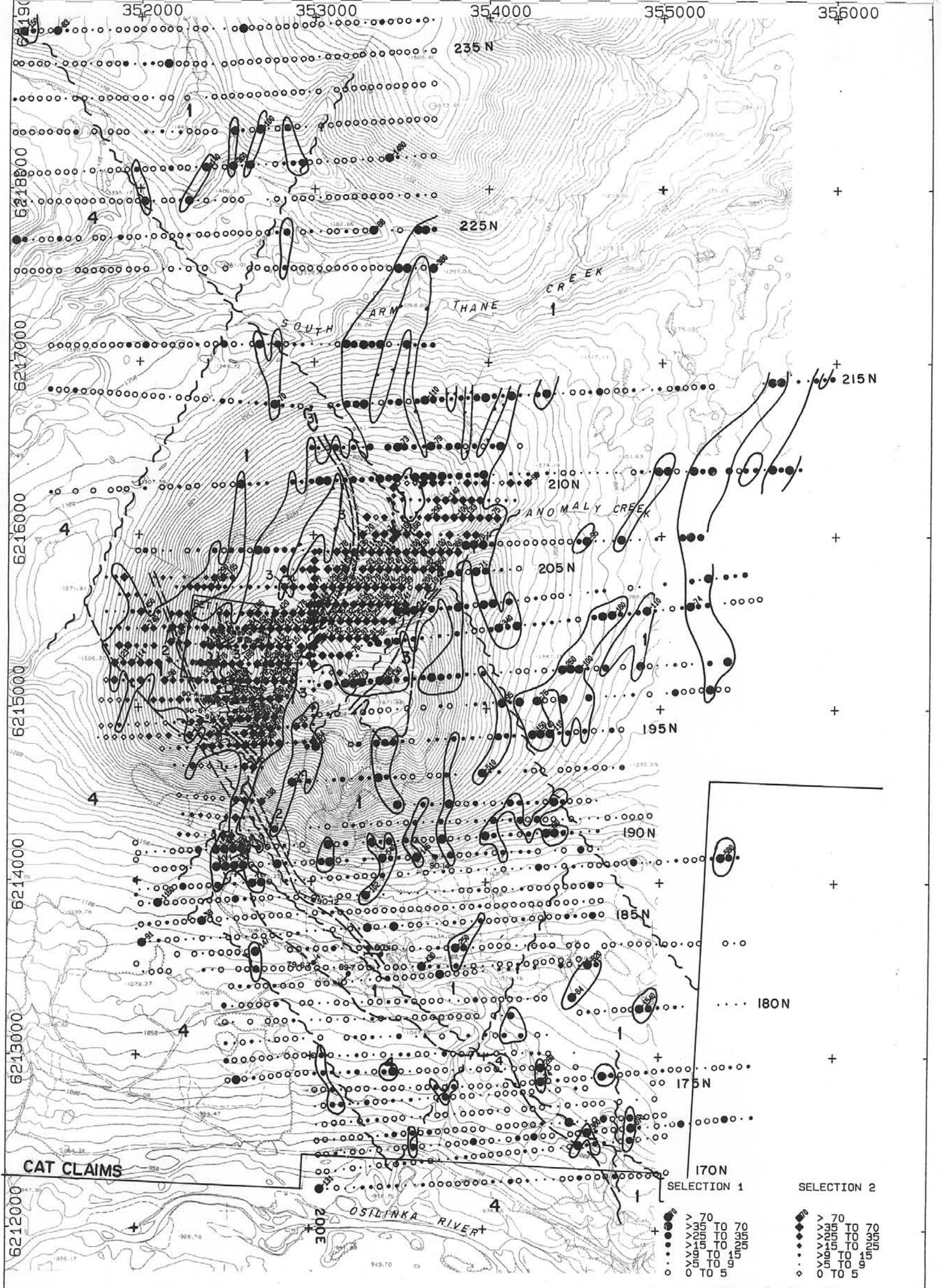
To accompany Assessment Report No. 21351
on the Linecutting and Soil Geochemistry on
the CAT 3,4,5,16 and 17 Claims.

BPVR 90-16

Report Dated: May, 1991.

Prime Geochemical Methods Ltd.
Plotting by Cambria Data Services Ltd.
#630-1199 West Pender Street
Vancouver, BC
CANADA V6E 2R1
TEL. (604) 682-5313
FAX. (604) 682-7354

SCALE 1:20 C



CAT CLAIMS

- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- +

- | | | | |
|---|------------|---|------------|
| ● | > 70 | ● | > 70 |
| ● | > 35 TO 70 | ● | > 35 TO 70 |
| ● | > 25 TO 35 | ● | > 25 TO 35 |
| ● | > 15 TO 25 | ● | > 15 TO 25 |
| ● | > 9 TO 15 | ● | > 9 TO 15 |
| ● | > 5 TO 9 | ● | > 5 TO 9 |
| ○ | 0 TO 5 | ○ | 0 TO 5 |

Scale in Metres
200 0 200 400

CAT CLAIMS
 OSILINKA RIVER PROJECT - B.C.
 1990 SOIL SURVEY
 Gold (ppb)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

Fig. B-3a

6211000

6212000

6213000

6214000

6215000

6216000

6217000

6218000

6219000

352000

353000

354000

355000

356000

235 N

225 N

215 N

210 N

205 N

195 N

190 N

185 N

180 N

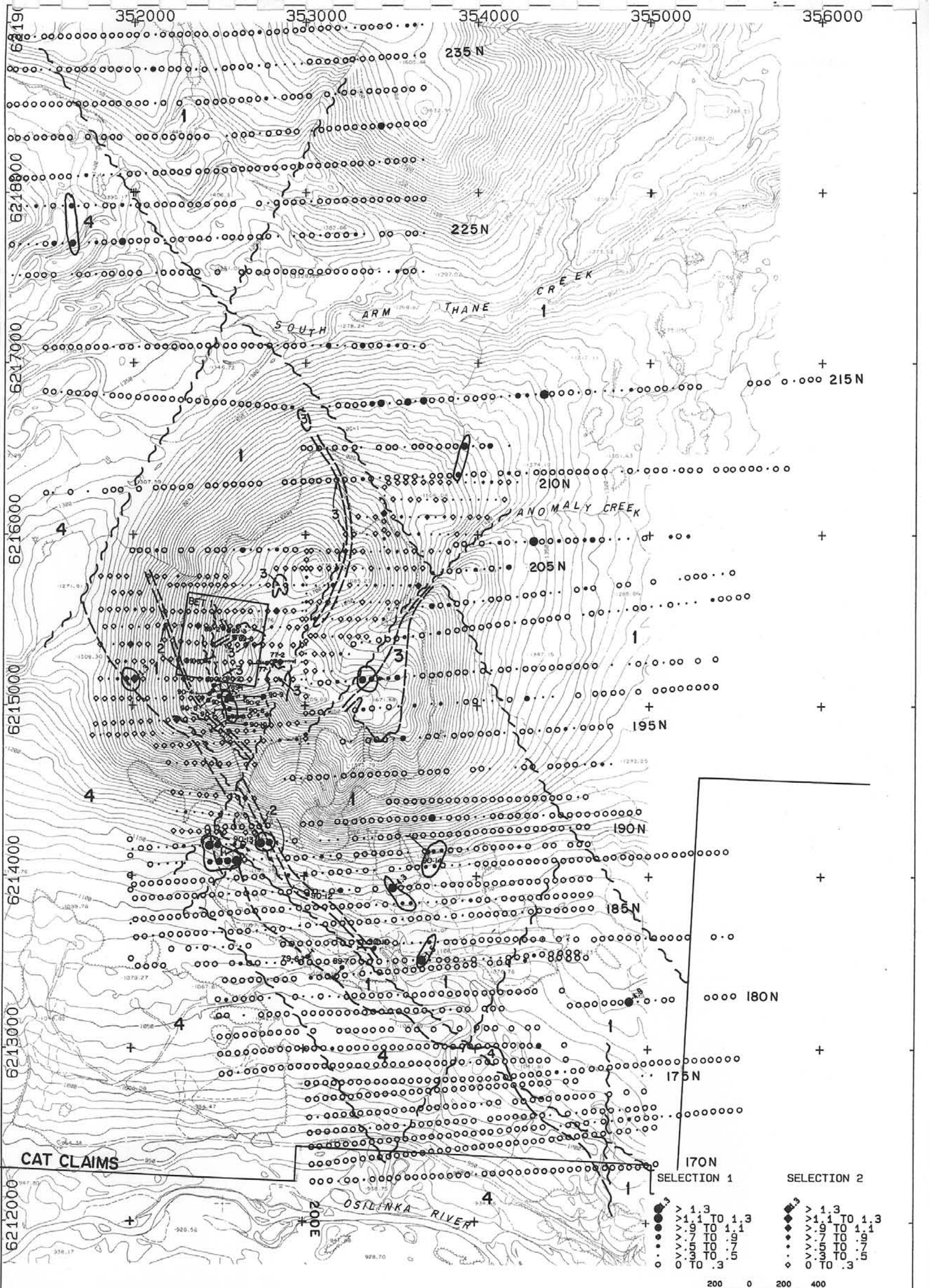
175 N

170 N

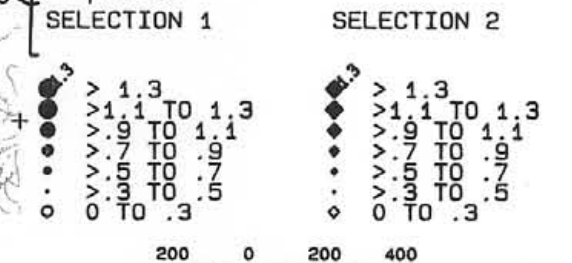
200 E

OSILINKA RIVER





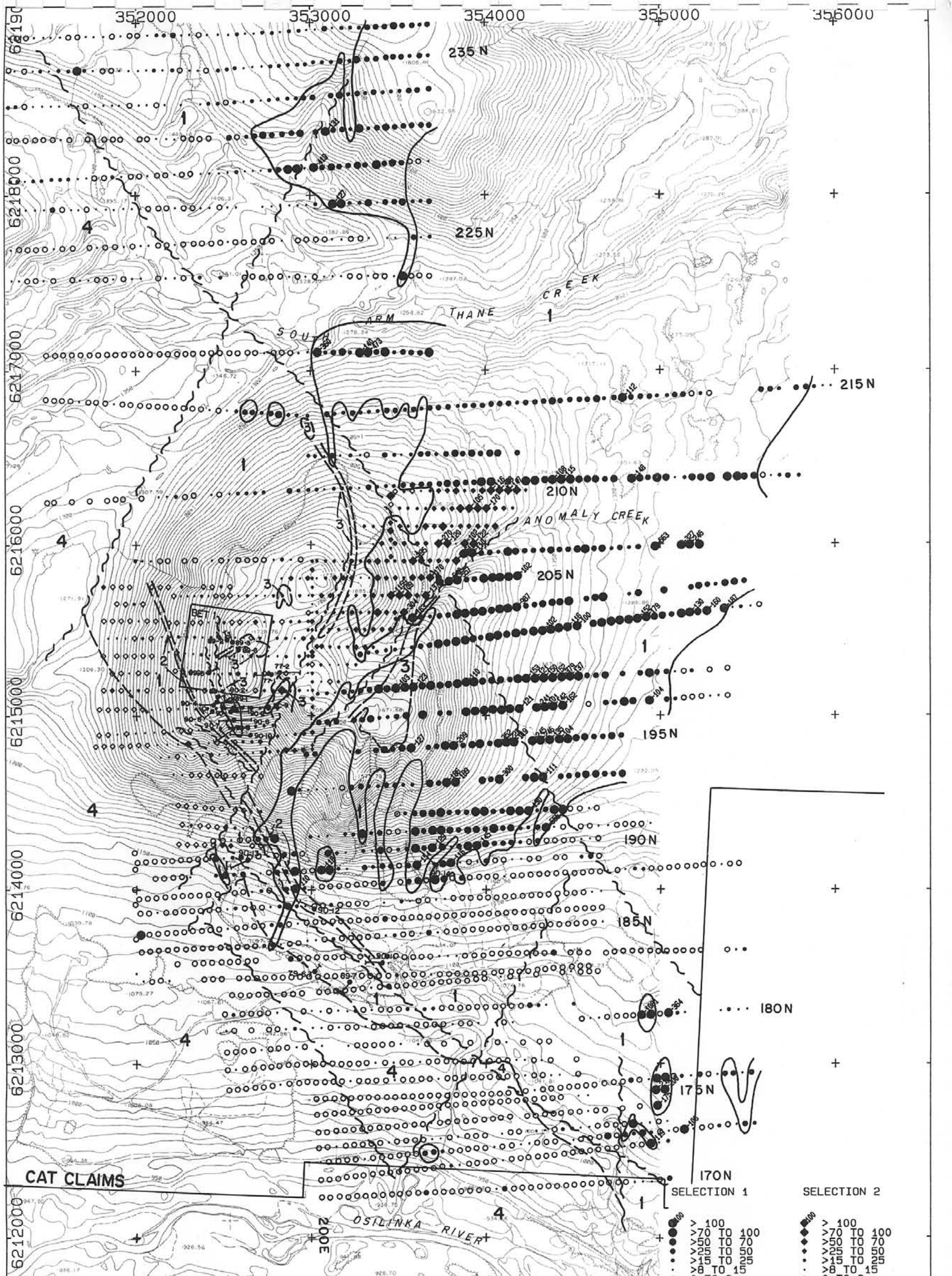
- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- + Drill hole



CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Silver (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

Fig. B-3b

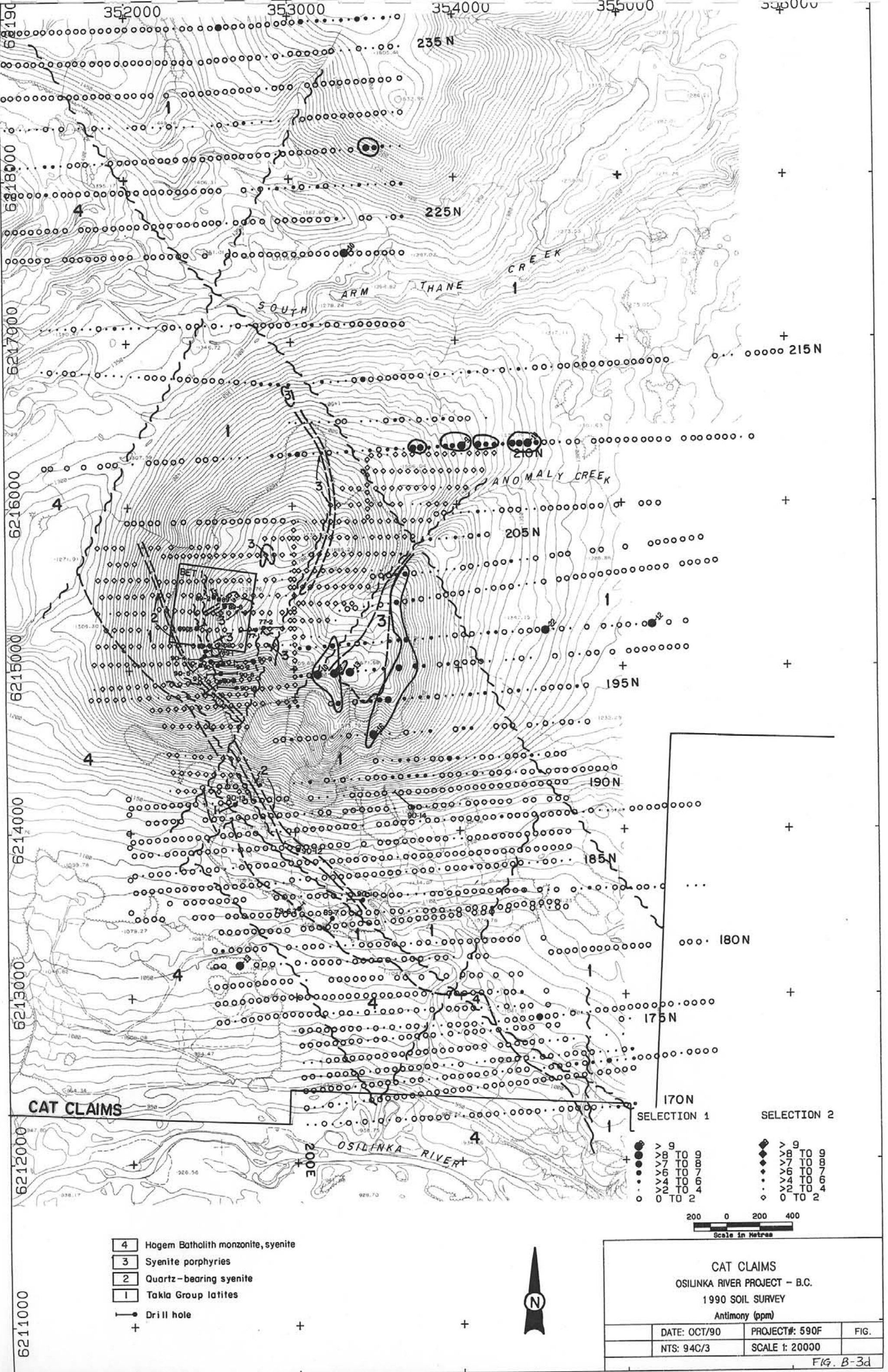


- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- +

CAT CLAIMS
 OSILINKA RIVER PROJECT - B.C.
 1990 SOIL SURVEY
 Arsenic (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3c



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- +

- | | | | |
|---|----------|---|----------|
| ● | > 9 | ◆ | > 9 |
| ● | > 8 TO 9 | ◆ | > 8 TO 9 |
| ● | > 7 TO 8 | ◆ | > 7 TO 8 |
| ● | > 6 TO 7 | ◆ | > 6 TO 7 |
| ● | > 4 TO 6 | ◆ | > 4 TO 6 |
| ● | > 2 TO 4 | ◆ | > 2 TO 4 |
| ○ | 0 TO 2 | ◇ | 0 TO 2 |

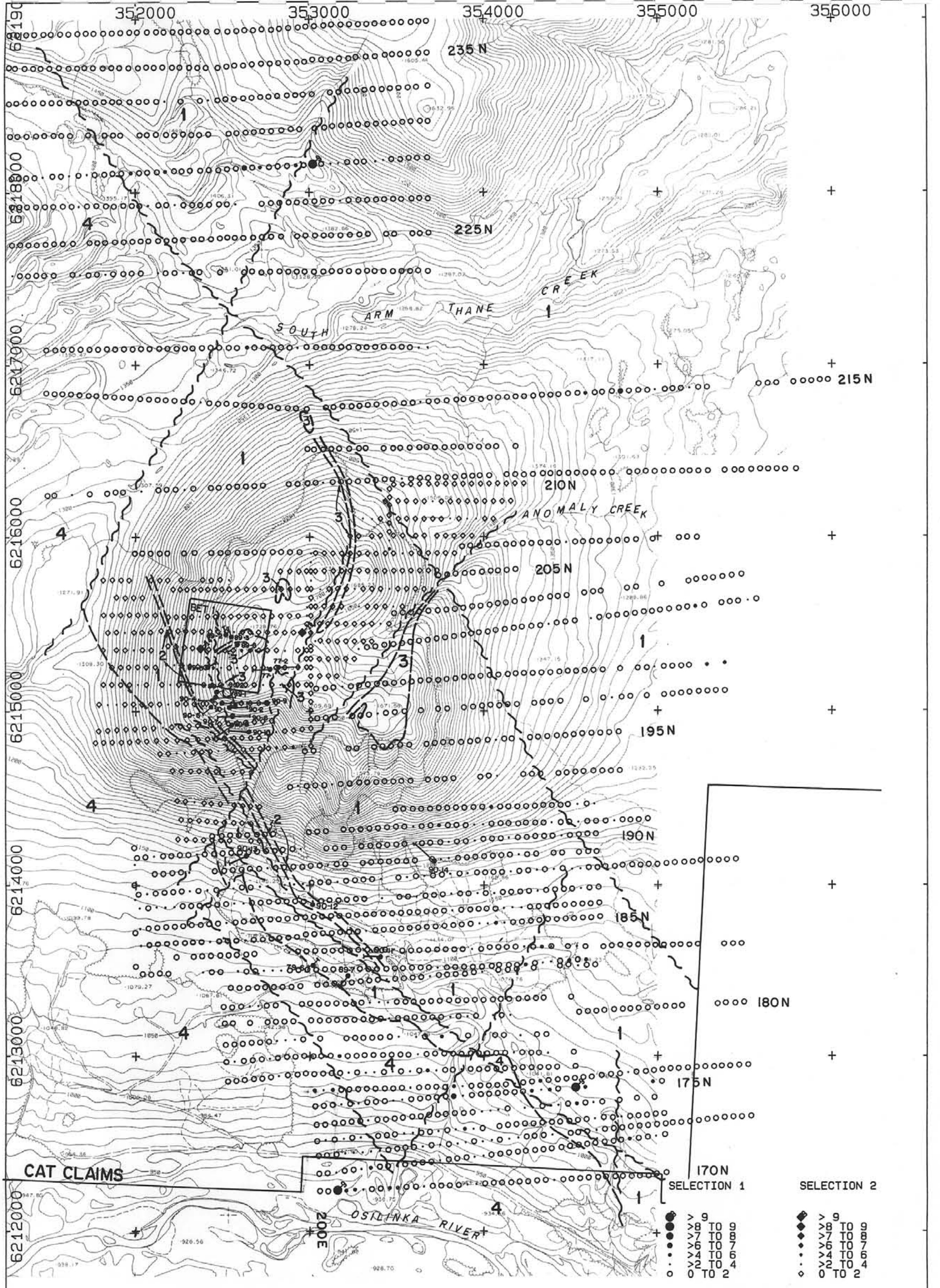
200 0 200 400
Scale in Metres



CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Antimony (ppm)

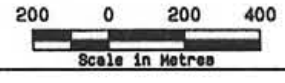
| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3d



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- + Drill hole

- | | | | |
|---|----------|---|----------|
| ● | > 9 | ◆ | > 9 |
| ● | > 8 TO 9 | ◆ | > 8 TO 9 |
| ● | > 7 TO 8 | ◆ | > 7 TO 8 |
| ● | > 6 TO 7 | ◆ | > 6 TO 7 |
| ● | > 4 TO 6 | ◆ | > 4 TO 6 |
| ● | > 2 TO 4 | ◆ | > 2 TO 4 |
| ○ | 0 TO 2 | ◇ | 0 TO 2 |



CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Bismuth (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3e

6211000

6212000

6213000

6214000

6215000

6216000

6217000

6218000

6219000

352000

353000

354000

355000

356000

235 N

225 N

215 N

210 N

205 N

195 N

190 N

185 N

180 N

175 N

170 N

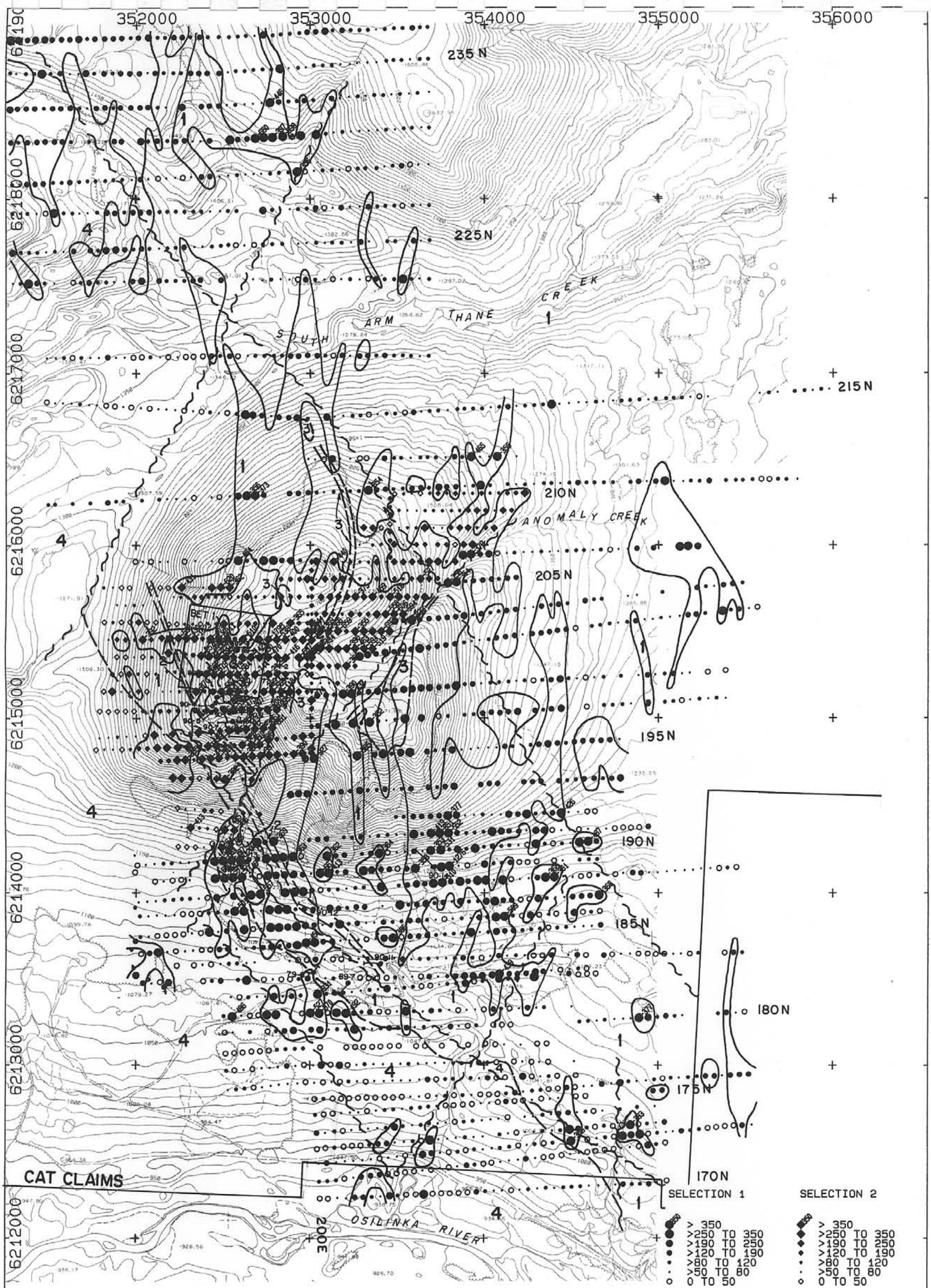
CAT CLAIMS

200E

OSILINKA RIVER

SELECTION 1

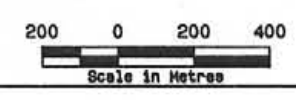
SELECTION 2



- 4 Hagem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole



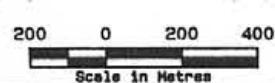
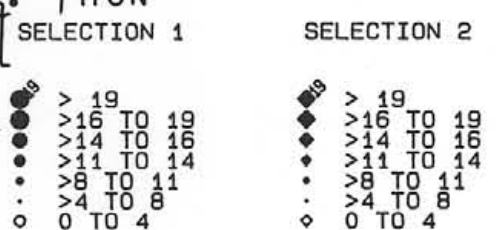
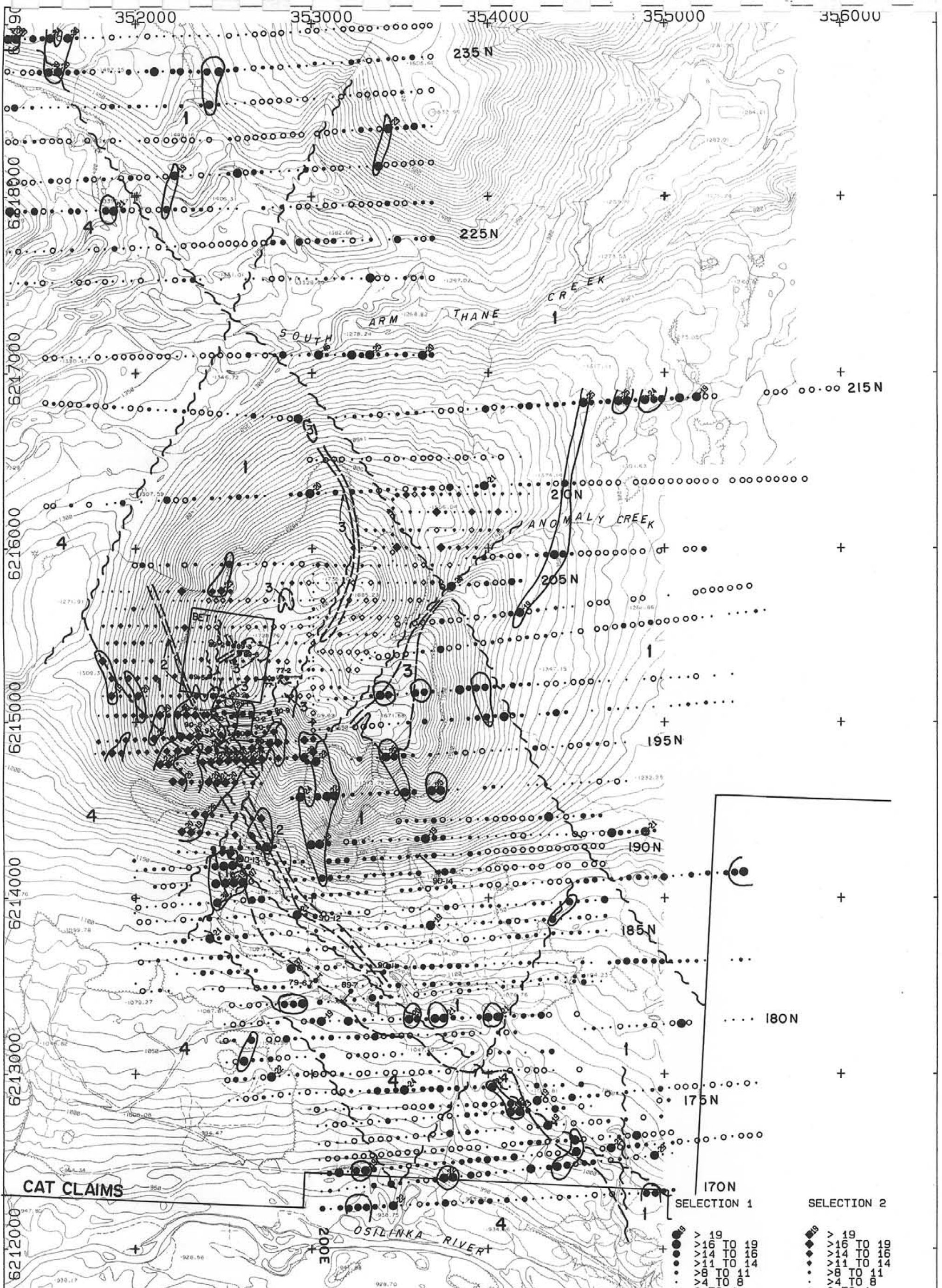
- | | | | |
|---|--------------|---|--------------|
| ● | > 350 | ● | > 350 |
| ● | > 250 TO 350 | ● | > 250 TO 350 |
| ● | > 190 TO 250 | ● | > 190 TO 250 |
| ● | > 120 TO 190 | ● | > 120 TO 190 |
| ● | > 80 TO 120 | ● | > 80 TO 120 |
| ● | > 50 TO 80 | ● | > 50 TO 80 |
| ○ | 0 TO 50 | ○ | 0 TO 50 |



CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Copper (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3f

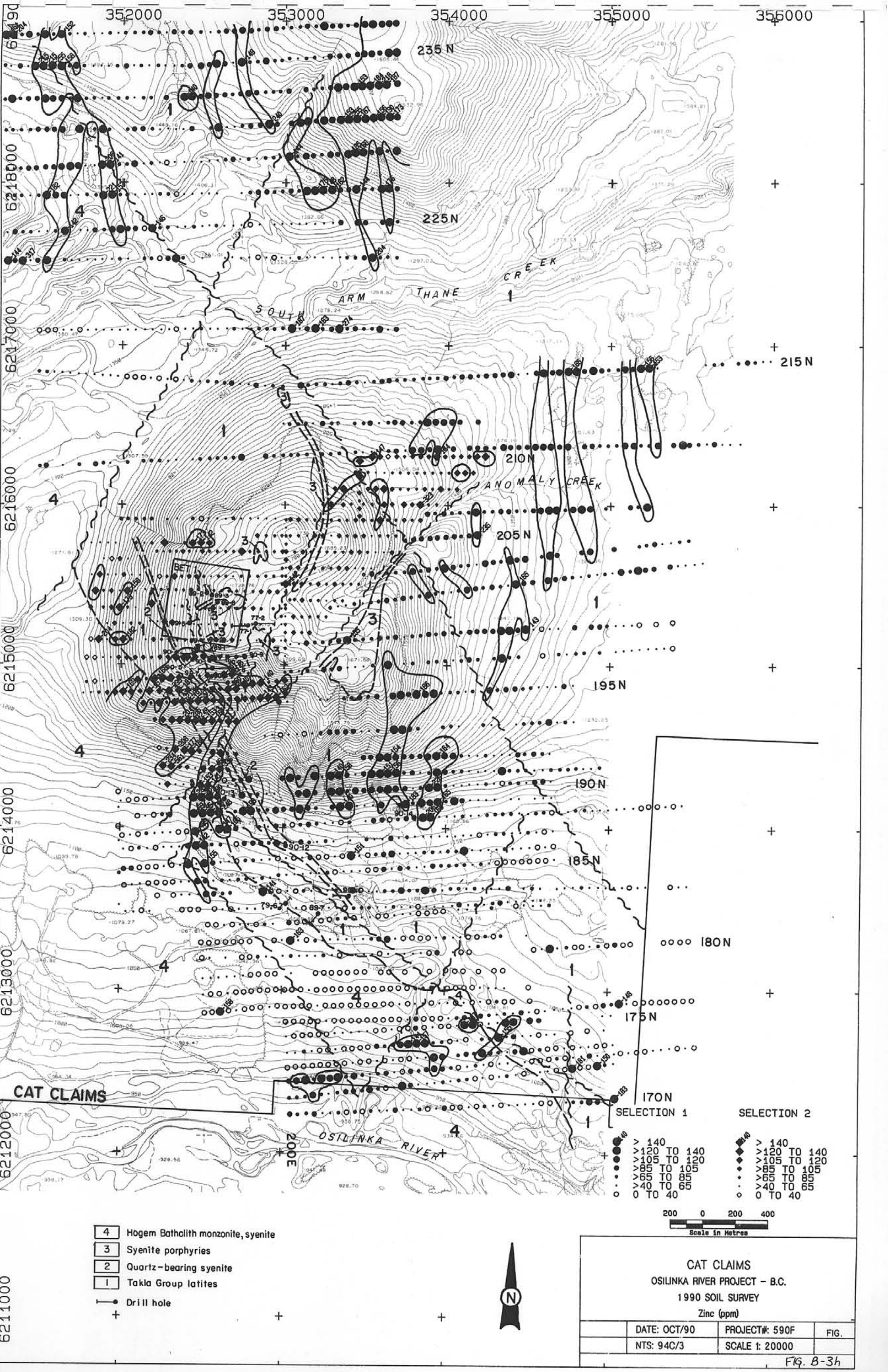
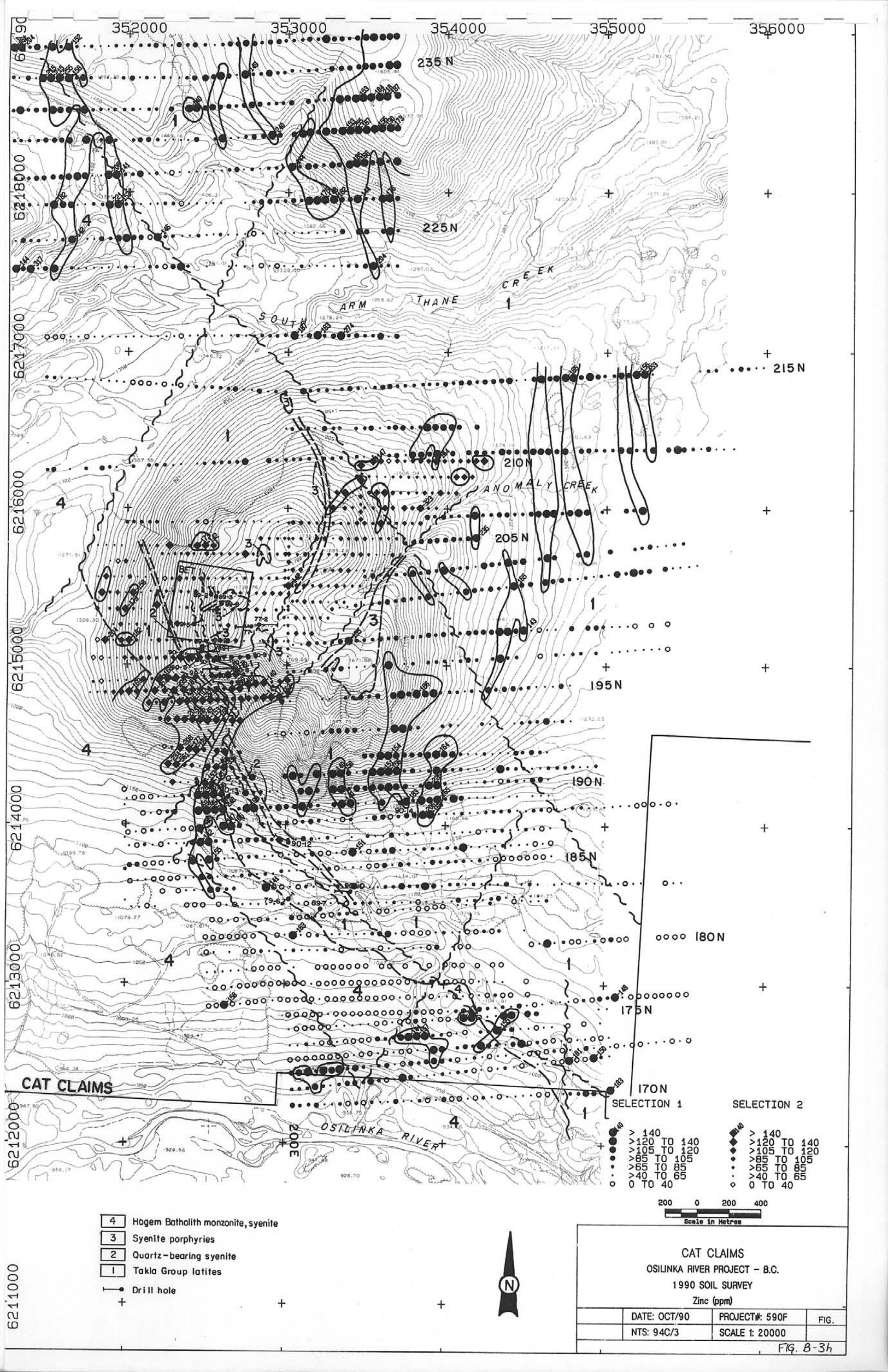


- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole

CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Lead (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

Fig. B-3g



621900
621800
621700
621600
621500
621400
621300
621200
621100

352000 353000 354000 355000 356000

235 N
225 N
215 N
210 N
205 N
195 N
190 N
185 N
180 N
175 N
170 N

CAT CLAIMS

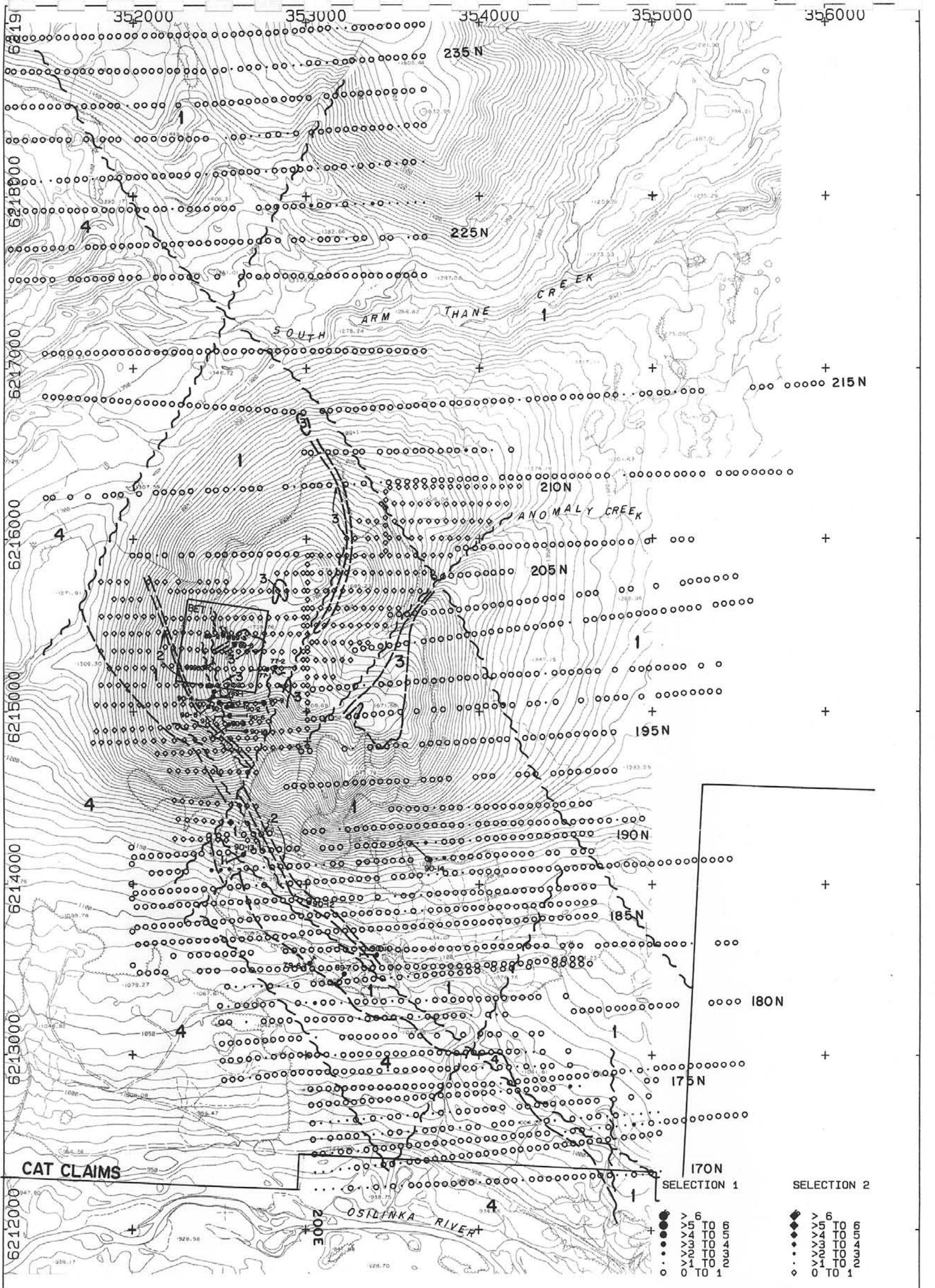
- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole



- | | | | |
|---|-------------|---|-------------|
| ● | > 140 | ● | > 140 |
| ● | >120 TO 140 | ● | >120 TO 140 |
| ● | >105 TO 120 | ● | >105 TO 120 |
| ● | >85 TO 105 | ● | >85 TO 105 |
| ● | >65 TO 85 | ● | >65 TO 85 |
| ○ | >40 TO 65 | ○ | >40 TO 65 |
| ○ | 0 TO 40 | ○ | 0 TO 40 |

200 0 200 400
Scale in Metres

| | | |
|--|----------------|------|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Zinc (ppm) | | |
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- + Drill hole

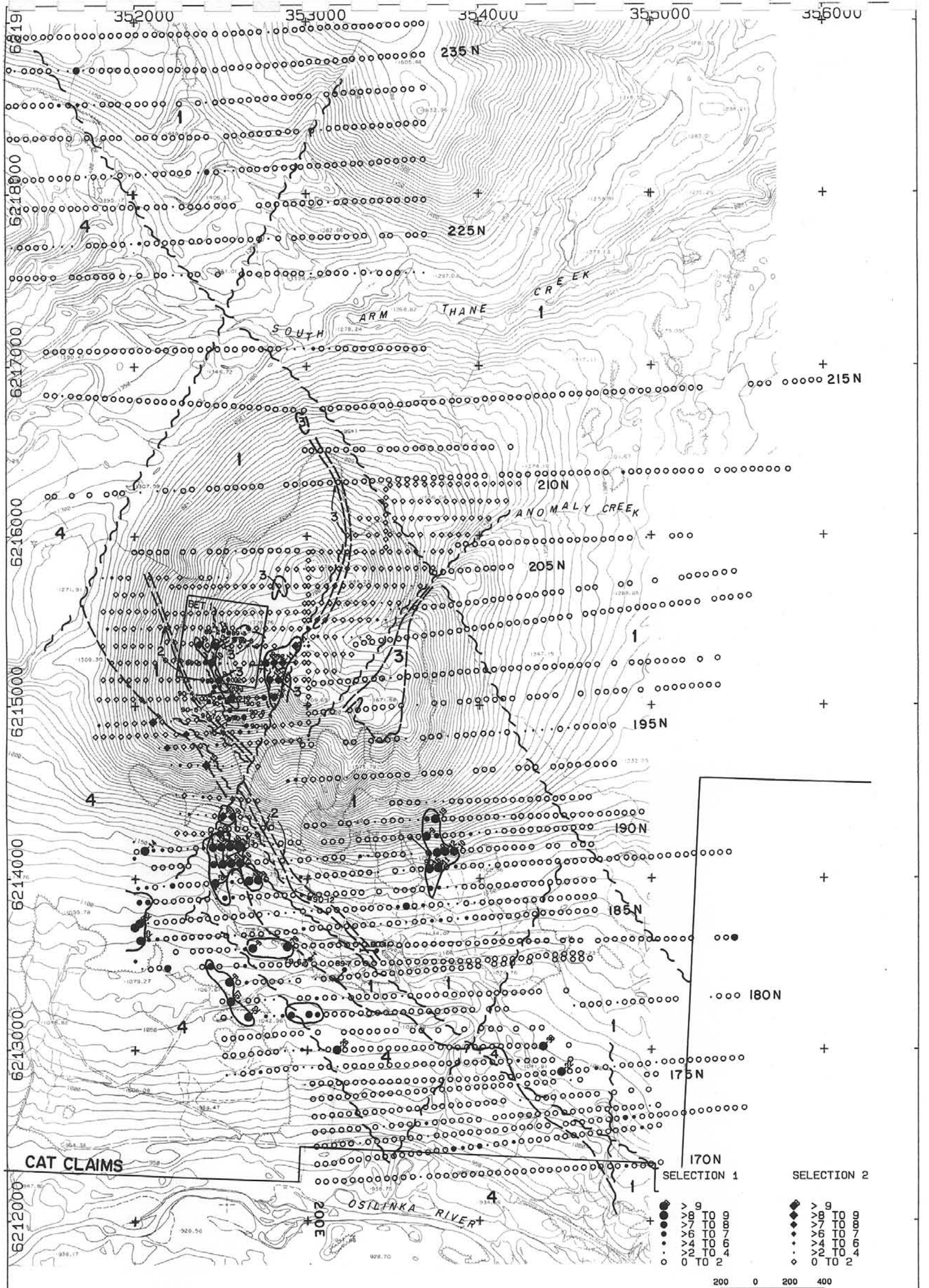
- | | | | |
|---|-----------|---|-----------|
| ● | > 6 TO 12 | ◆ | > 6 TO 12 |
| ● | > 5 TO 6 | ◆ | > 5 TO 6 |
| ● | > 4 TO 5 | ◆ | > 4 TO 5 |
| ● | > 3 TO 4 | ◆ | > 3 TO 4 |
| ● | > 2 TO 3 | ◆ | > 2 TO 3 |
| ● | > 1 TO 2 | ◆ | > 1 TO 2 |
| ○ | 0 TO 1 | ◇ | 0 TO 1 |

Scale in Metres
 200 0 200 400



| | | |
|---|----------------|------|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Cadmium (ppm) | | |
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3c



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- + Drill hole

- | | | | |
|---|----------|---|----------|
| ● | > 9 | ◆ | > 9 |
| ● | > 8 TO 9 | ◆ | > 8 TO 9 |
| ● | > 7 TO 8 | ◆ | > 7 TO 8 |
| ● | > 6 TO 7 | ◆ | > 6 TO 7 |
| ● | > 4 TO 6 | ◆ | > 4 TO 6 |
| ● | > 2 TO 4 | ◆ | > 2 TO 4 |
| ○ | 0 TO 2 | ◇ | 0 TO 2 |

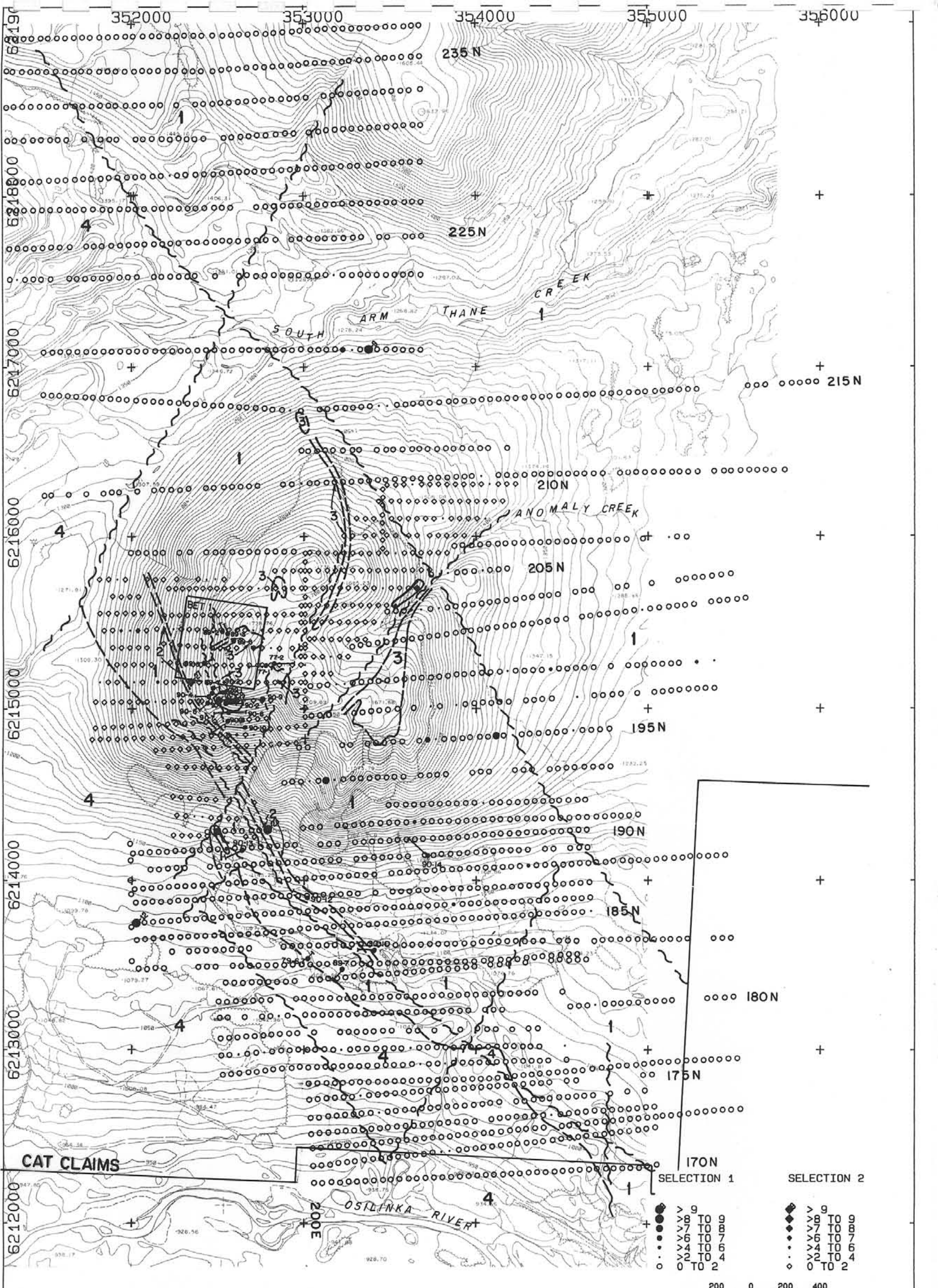
200 0 200 400
Scale in Metres



CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Molybdenum (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

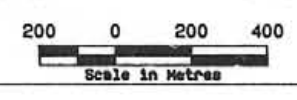
FIG. B-3j



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- + + +



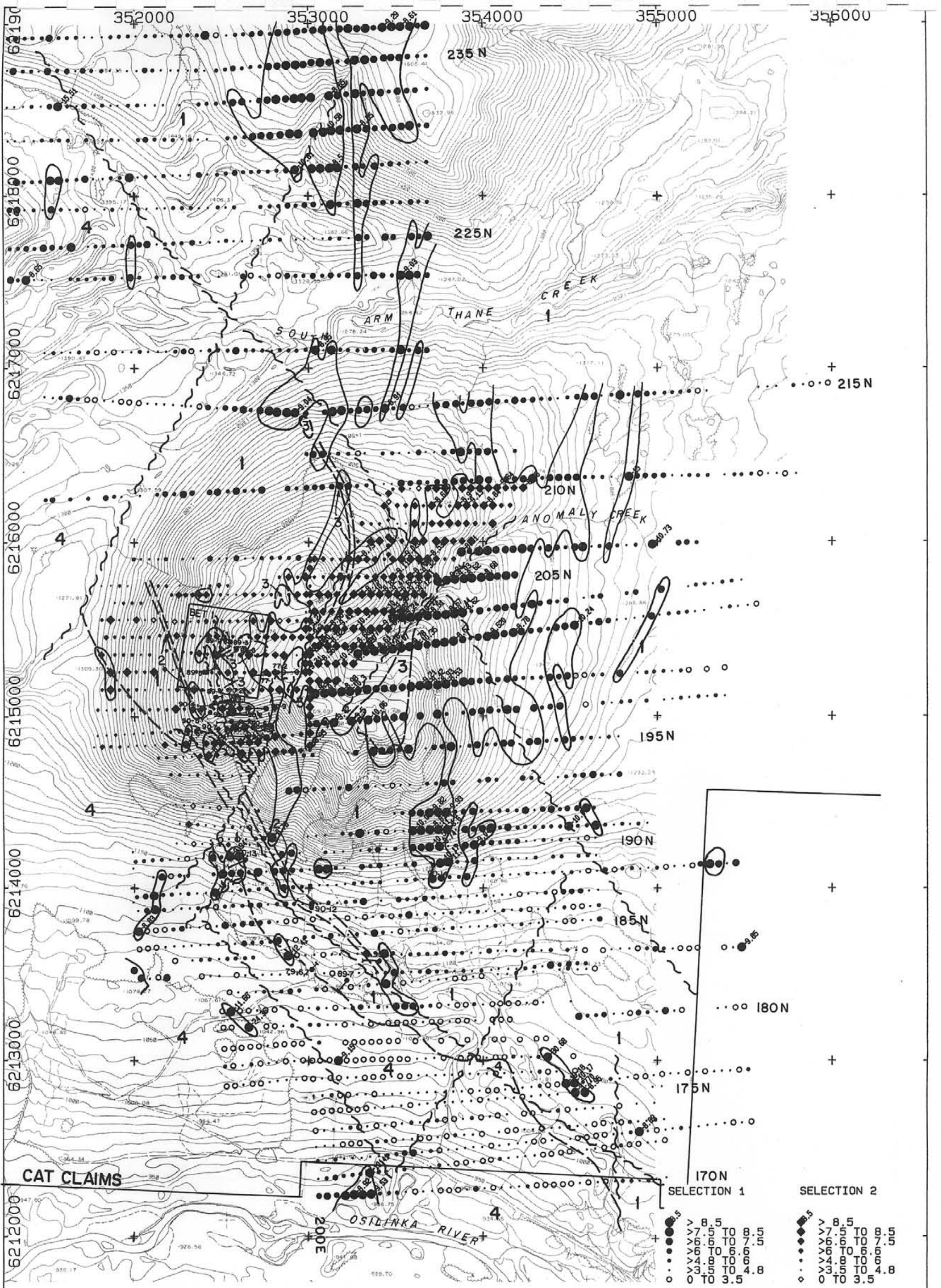
- | | | | |
|---|----------|---|----------|
| ● | > 9 | ◆ | > 9 |
| ● | > 8 TO 9 | ◆ | > 8 TO 9 |
| ● | > 7 TO 8 | ◆ | > 7 TO 8 |
| ● | > 6 TO 7 | ◆ | > 6 TO 7 |
| ● | > 4 TO 6 | ◆ | > 4 TO 6 |
| ● | > 2 TO 4 | ◆ | > 2 TO 4 |
| ○ | 0 TO 2 | ◇ | 0 TO 2 |



CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Tungsten (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3K



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- + + +

| SELECTION 1 | | SELECTION 2 | |
|-------------|-------------|-------------|-------------|
| ● | > 8.5 | ◆ | > 8.5 |
| ● | >7.5 TO 8.5 | ◆ | >7.5 TO 8.5 |
| ● | >6.6 TO 7.5 | ◆ | >6.6 TO 7.5 |
| ● | >6 TO 6.6 | ◆ | >6 TO 6.6 |
| ● | >4.8 TO 6 | ◆ | >4.8 TO 6 |
| ● | >3.5 TO 4.8 | ◆ | >3.5 TO 4.8 |
| ○ | 0 TO 3.5 | ◆ | 0 TO 3.5 |

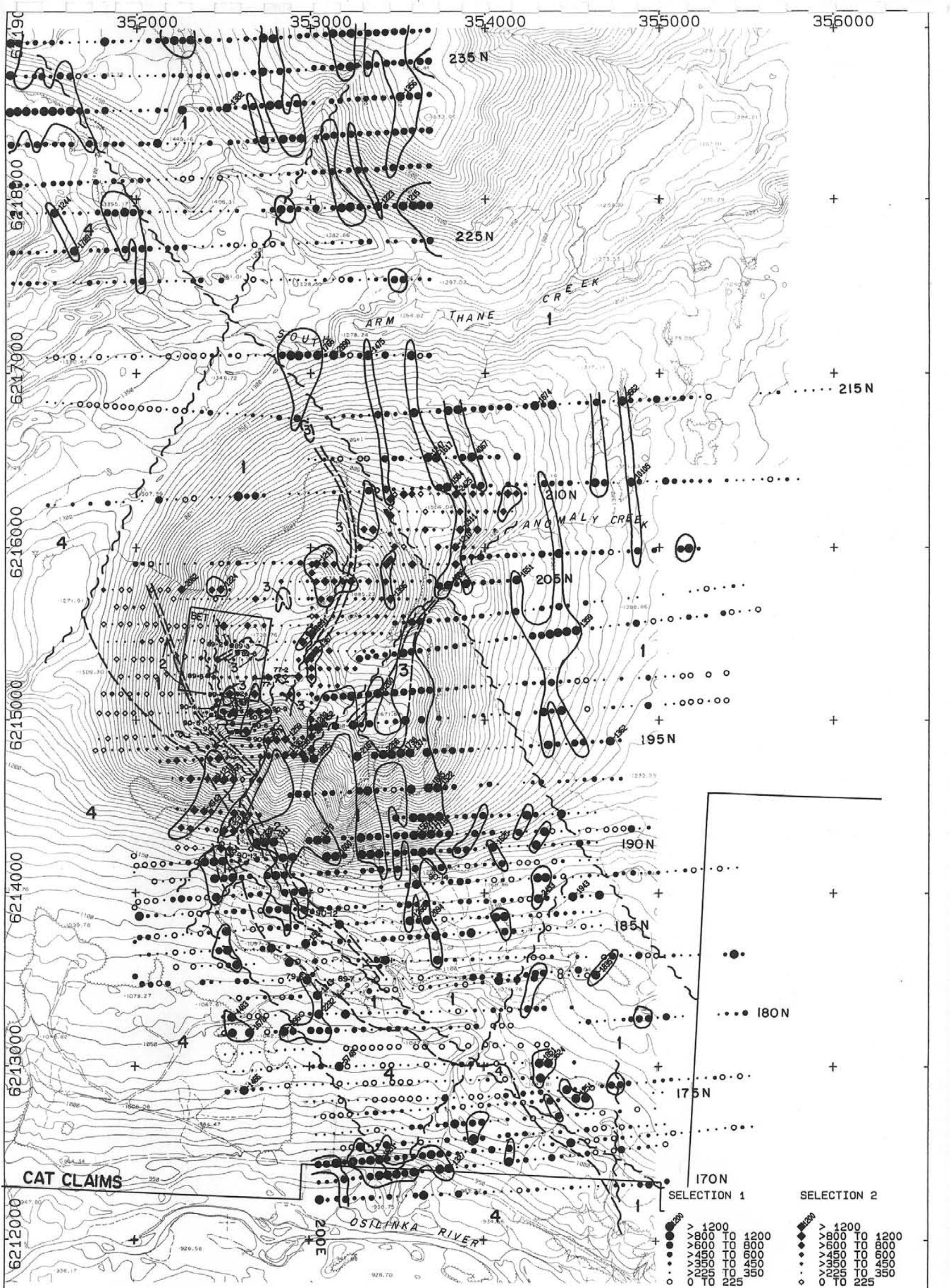
200 0 200 400
Scale in Metres



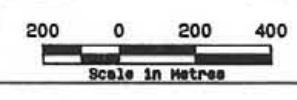
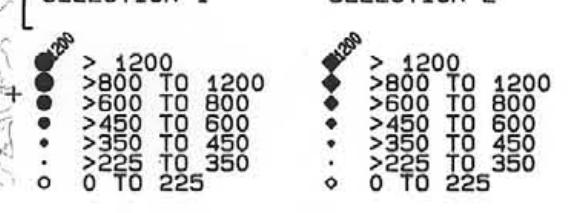
CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Iron (%)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

Fig. B-31



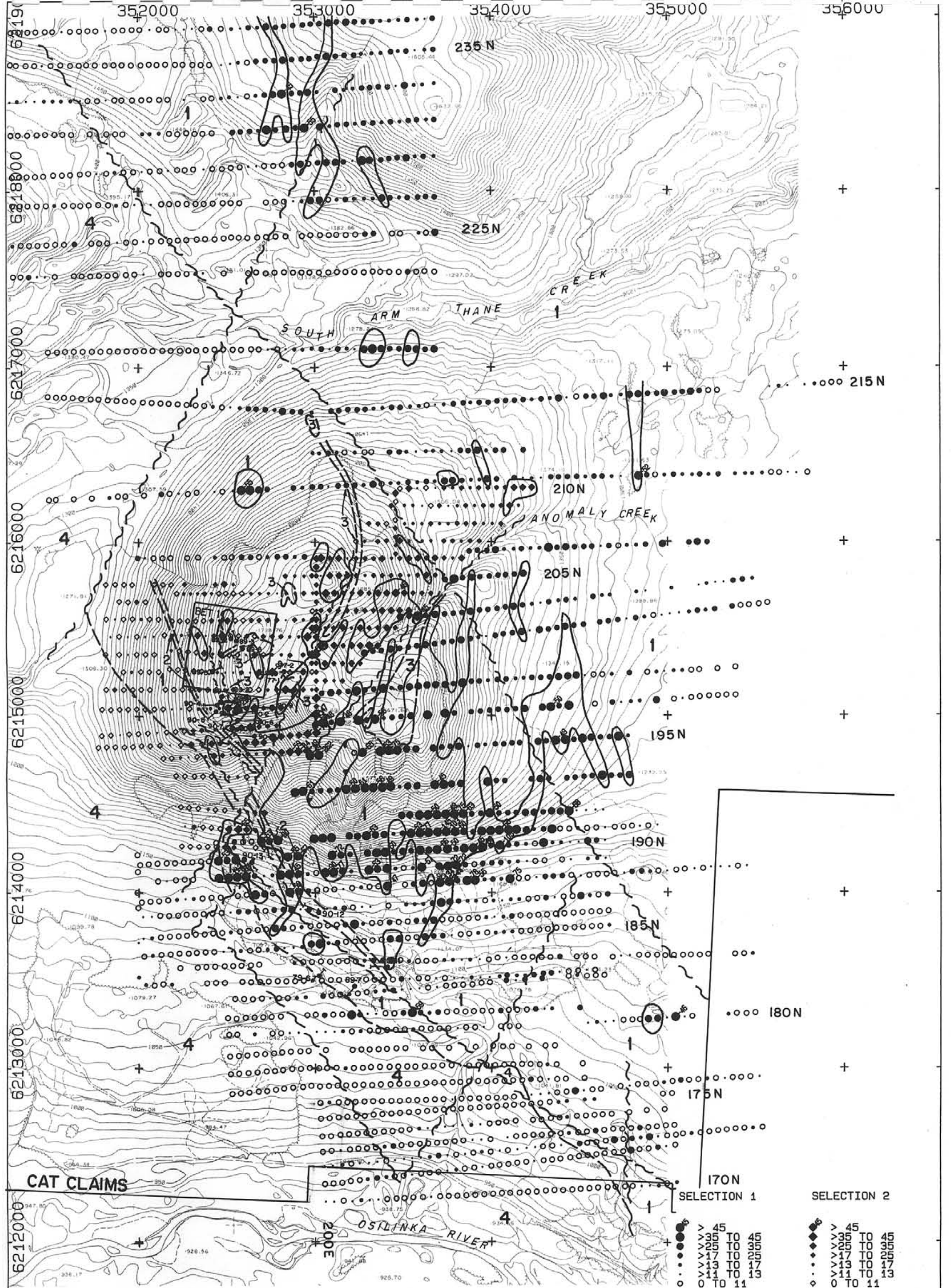
- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- +



CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Manganese (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

Fig. B-3m



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- + Drill hole

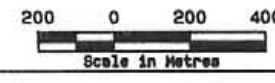


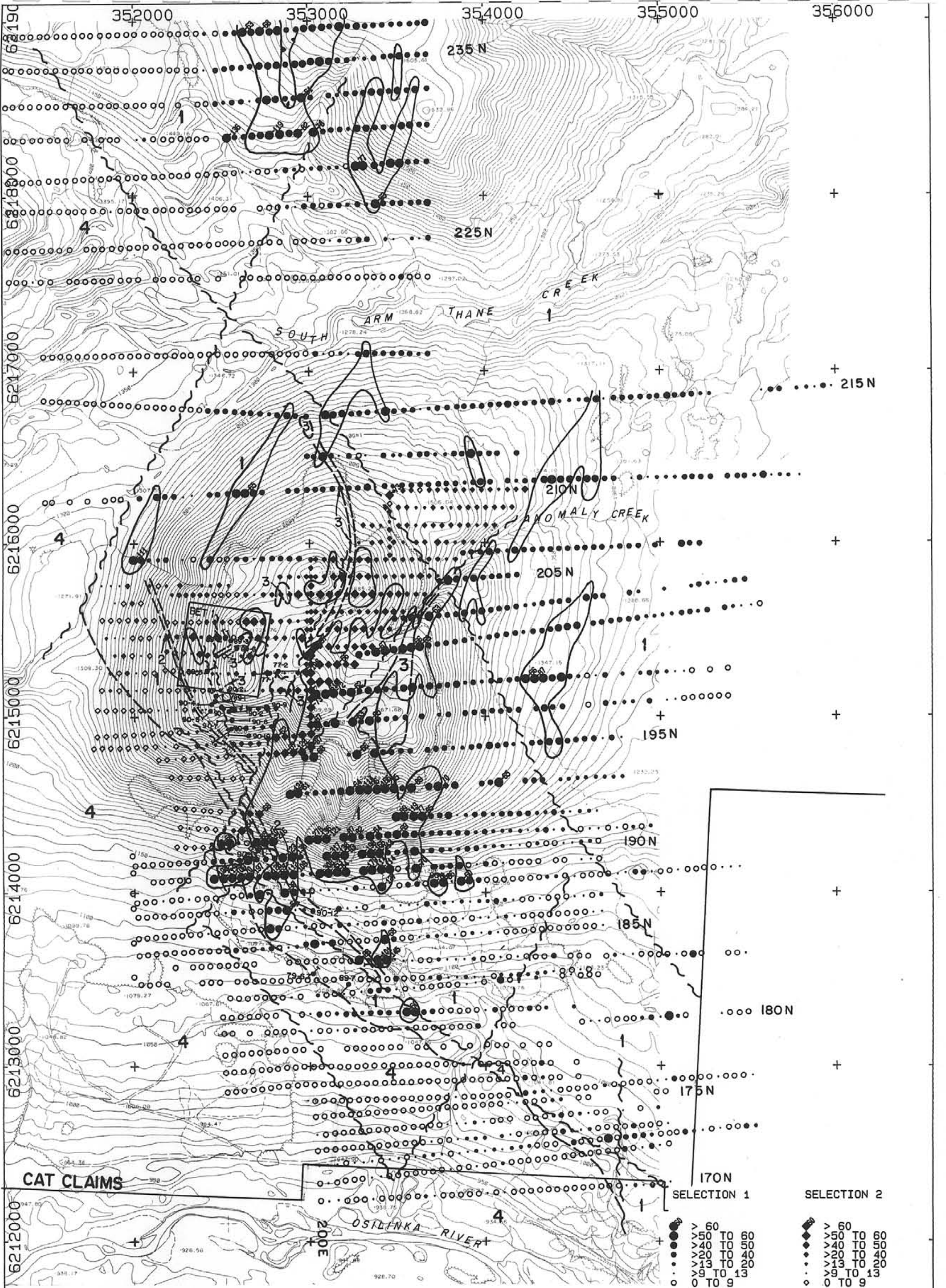
CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Cobalt (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

Fig. B-3n

- SELECTION 1**
- > 45
 - ◐ 35 TO 45
 - ◑ 25 TO 35
 - ◒ 17 TO 25
 - ◓ 13 TO 17
 - ◔ 11 TO 13
 - 0 TO 11
- SELECTION 2**
- ◕ > 45
 - ◖ 35 TO 45
 - ◗ 25 TO 35
 - ◘ 17 TO 25
 - ◙ 13 TO 17
 - ◚ 11 TO 13
 - ◛ 0 TO 11

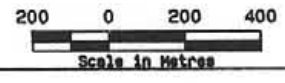




- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- +



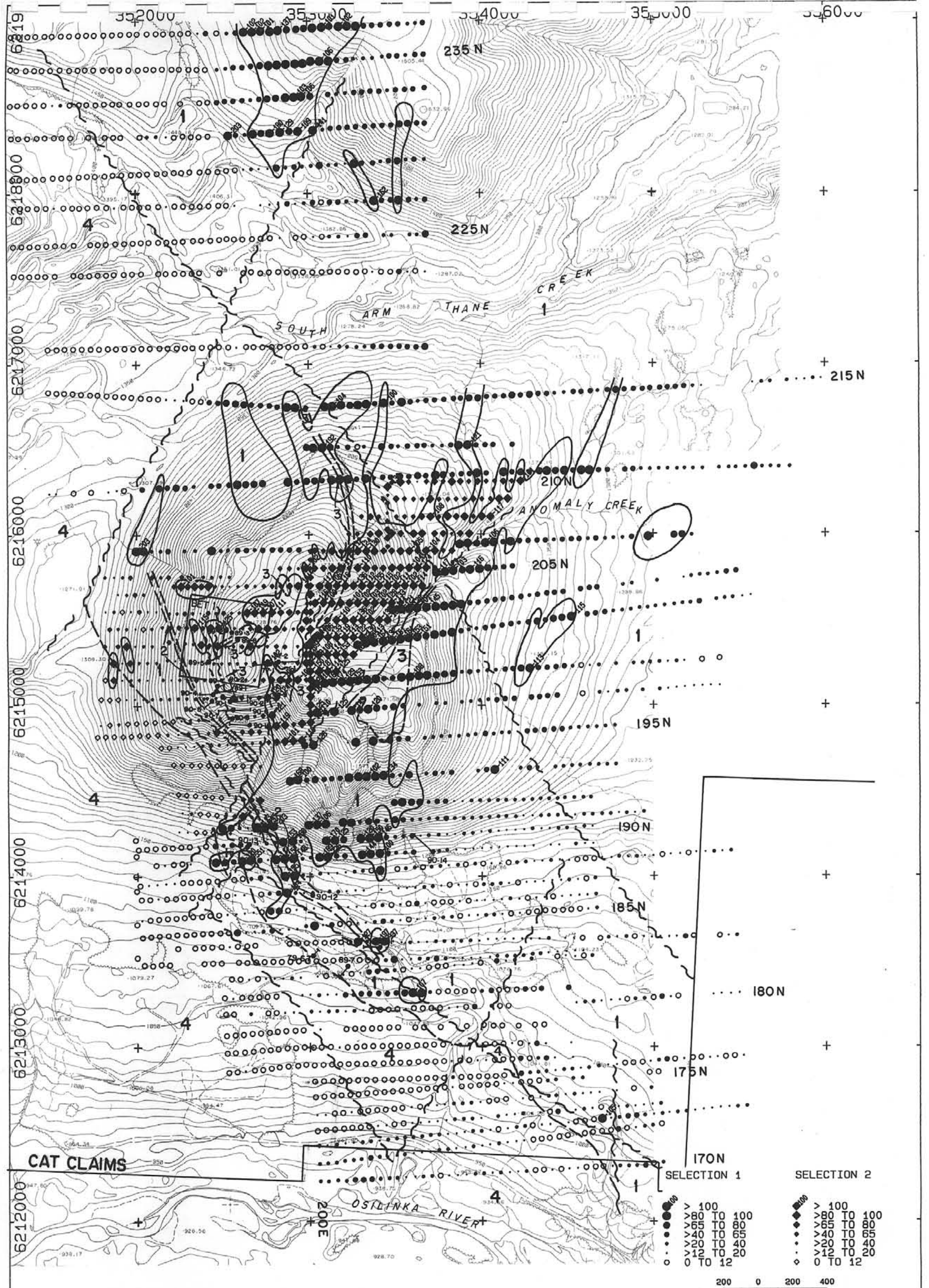
- | | | | |
|---|-----------|---|-----------|
| ● | > 60 | ● | > 60 |
| ● | >50 TO 60 | ● | >50 TO 60 |
| ● | >40 TO 50 | ● | >40 TO 50 |
| ● | >20 TO 40 | ● | >20 TO 40 |
| ● | >13 TO 20 | ● | >13 TO 20 |
| ● | >9 TO 13 | ● | >9 TO 13 |
| ○ | 0 TO 9 | ○ | 0 TO 9 |



CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Nickel (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-30



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole

- | | |
|---|---|
| <ul style="list-style-type: none"> ● > 100 ● > 80 TO 100 ● > 65 TO 80 ● > 40 TO 65 ● > 20 TO 40 ● > 12 TO 20 ○ 0 TO 12 | <ul style="list-style-type: none"> ● > 100 ● > 80 TO 100 ● > 65 TO 80 ● > 40 TO 65 ● > 20 TO 40 ● > 12 TO 20 ○ 0 TO 12 |
|---|---|

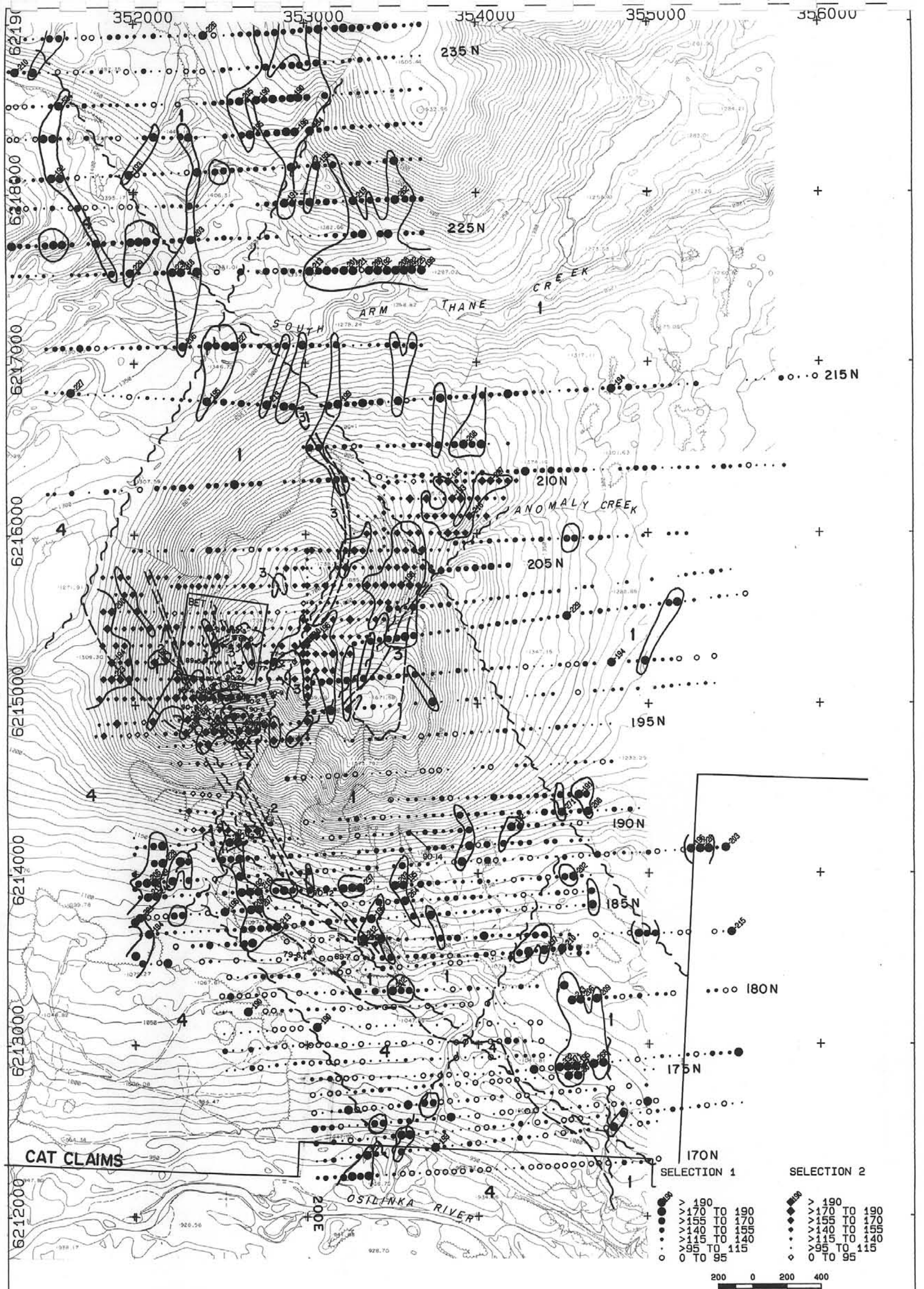
200 0 200 400
Scale in Metres

CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Chromium (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3p





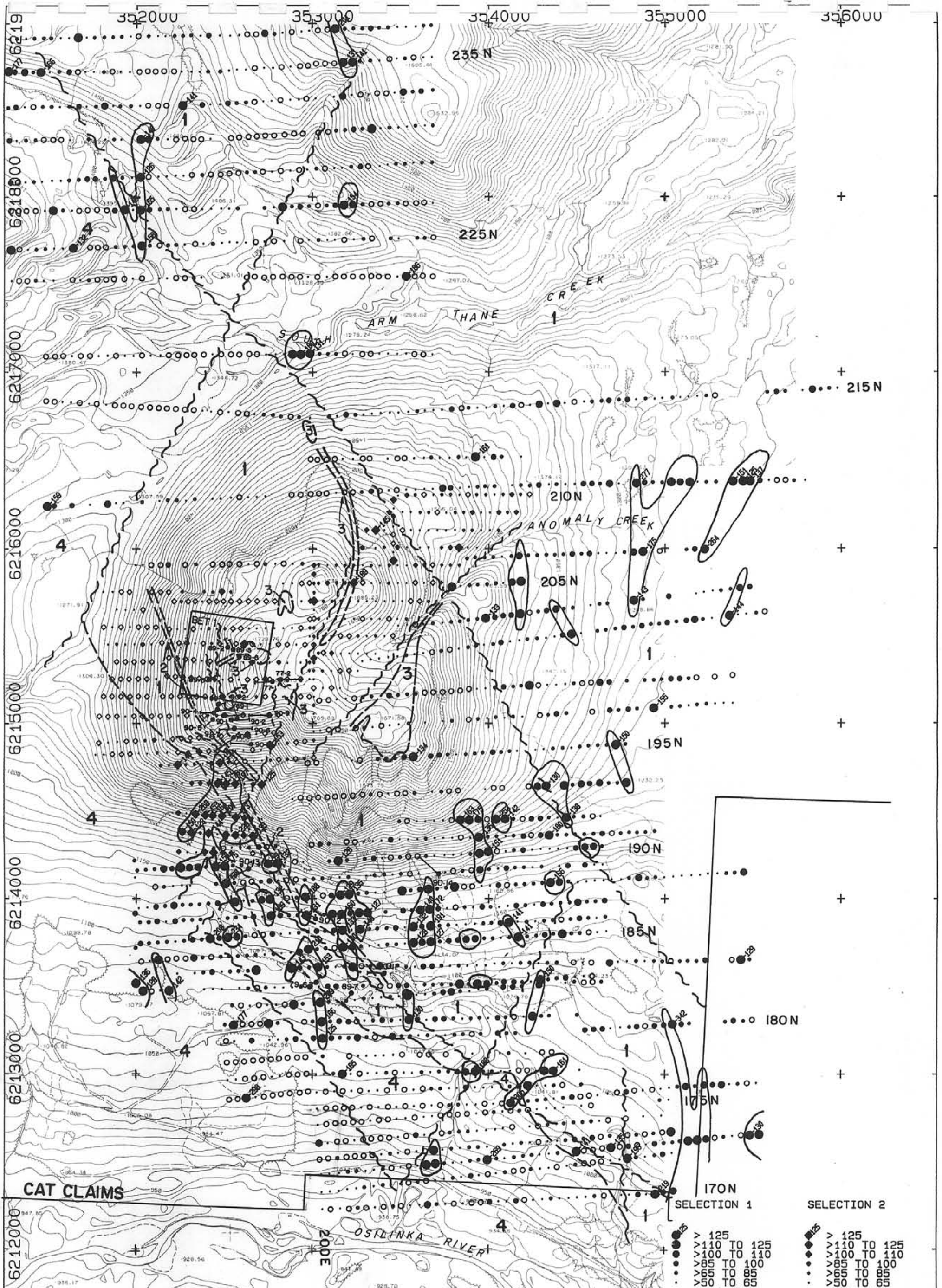
- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- + Drill hole



CAT CLAIMS
 OSILINKA RIVER PROJECT - B.C.
 1990 SOIL SURVEY
 Vanadium (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3q



| SELECTION 1 | | SELECTION 2 | |
|-------------|-------------|-------------|-------------|
| ● | > 125 | ● | > 125 |
| ◆ | >110 TO 125 | ◆ | >110 TO 125 |
| ◐ | >100 TO 110 | ◐ | >100 TO 110 |
| ◑ | >85 TO 100 | ◑ | >85 TO 100 |
| ◒ | >65 TO 85 | ◒ | >65 TO 85 |
| ◓ | >50 TO 65 | ◓ | >50 TO 65 |
| ○ | 0 TO 50 | ○ | 0 TO 50 |

- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- +

CAT CLAIMS
 OSILINKA RIVER PROJECT - B.C.
 1990 SOIL SURVEY
 Barium (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

Fig. B-3r

6211000

6212000

6213000

6214000

6215000

6216000

6217000

6218000

6219000

352000

353000

354000

355000

356000

235 N

225 N

215 N

210 N

205 N

195 N

190 N

185 N

180 N

175 N

170 N

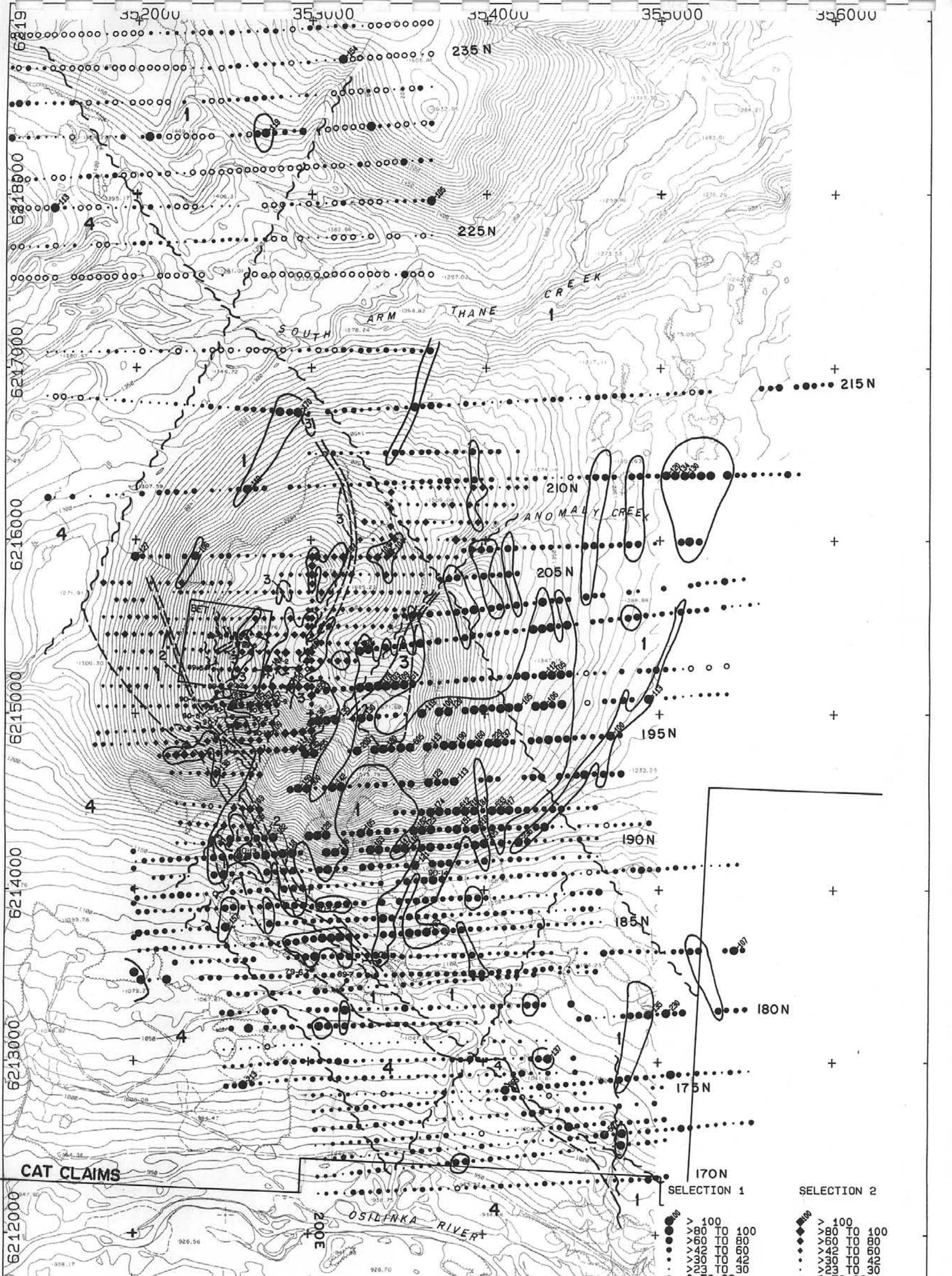
CAT CLAIMS

OSILINKA RIVER

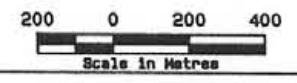
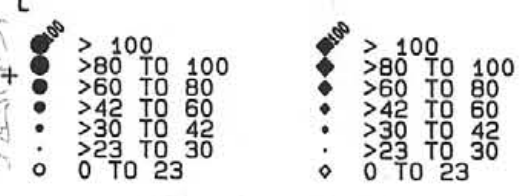
200E



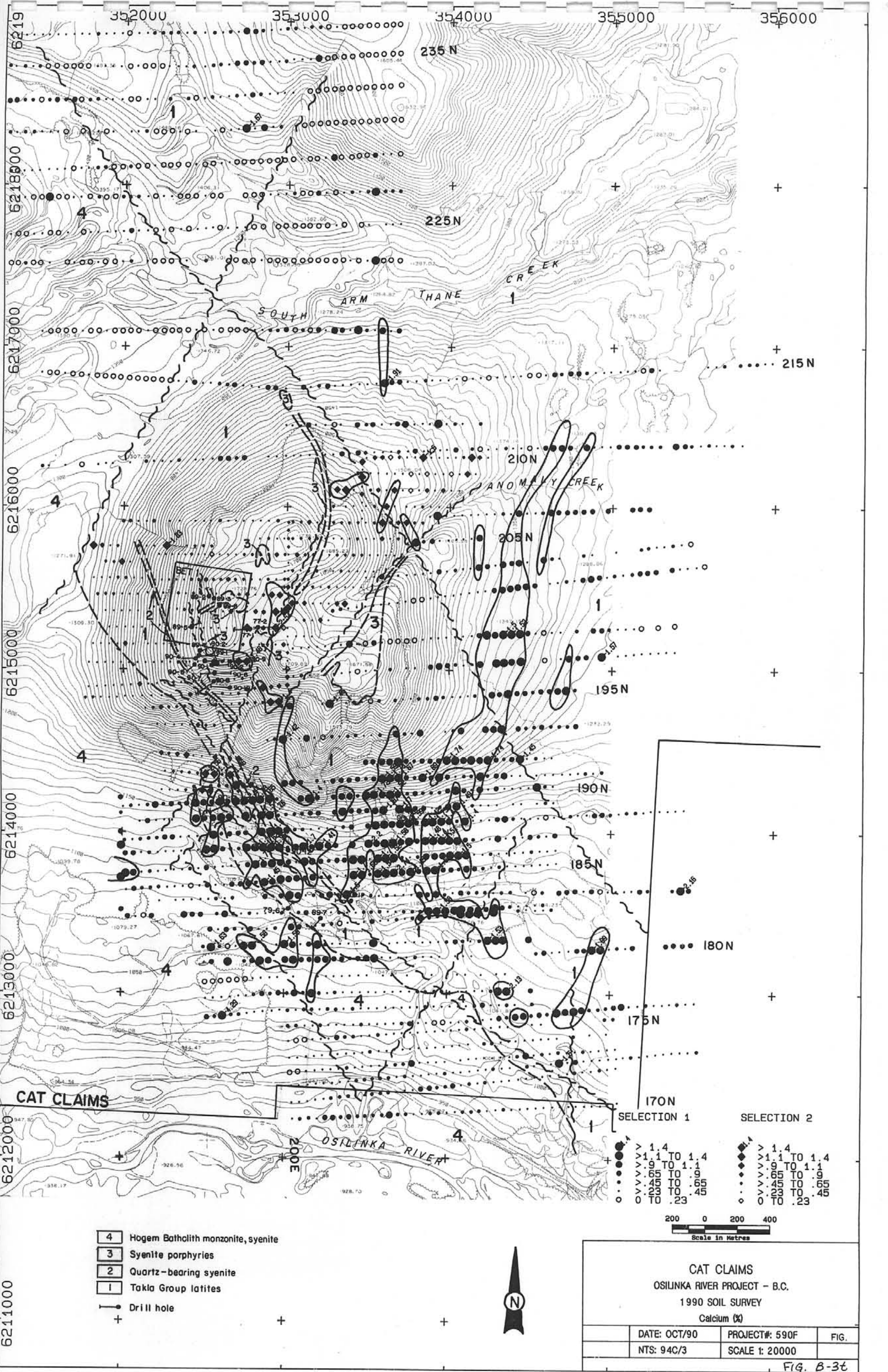
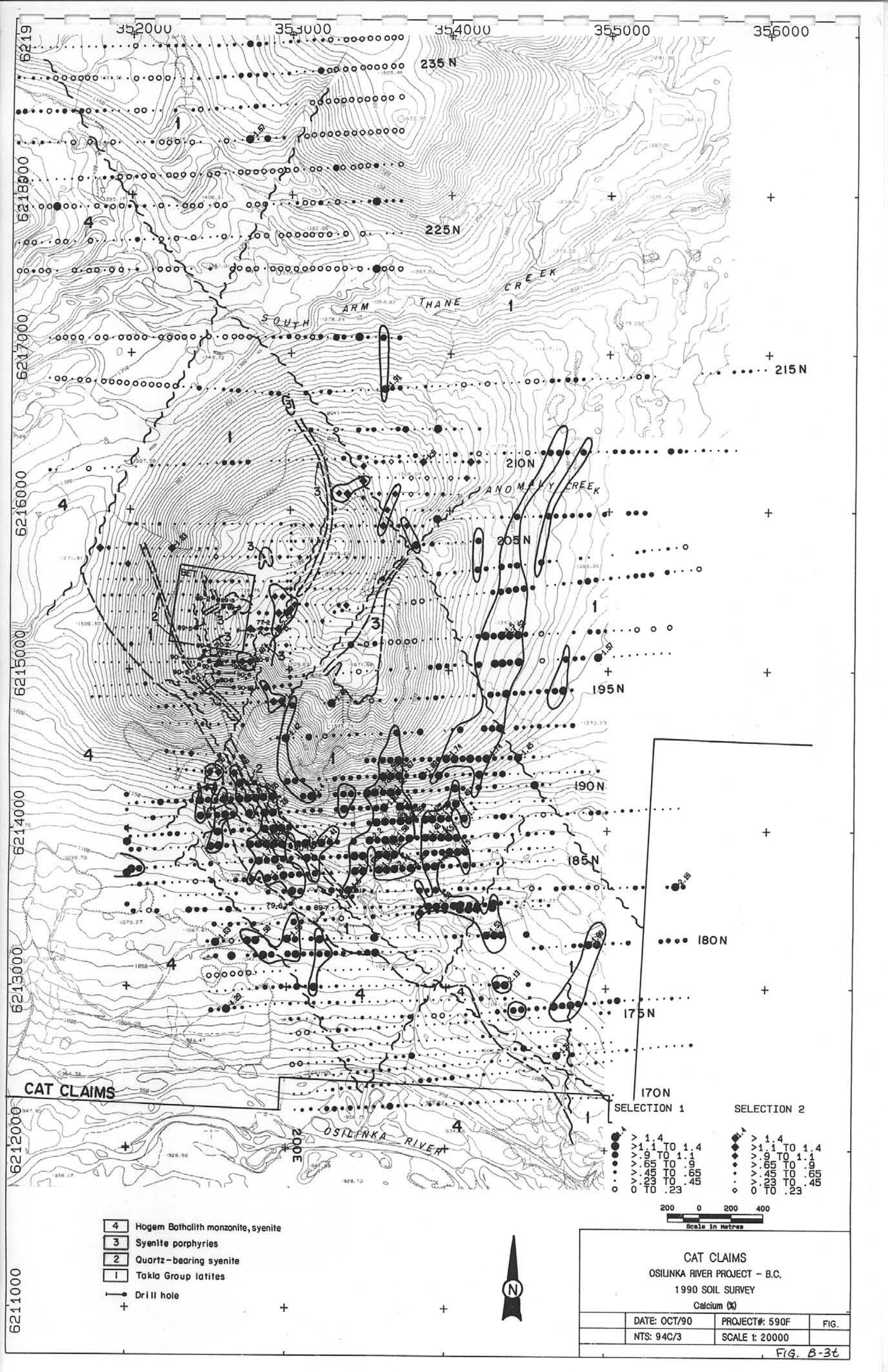
200 0 200 400
Scale in Metres



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole

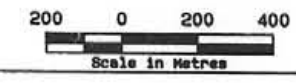


| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Strontium (ppm) | | |
|--|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- + + +

- | | | | |
|---|--------------|---|--------------|
| ● | > 1.4 | ◆ | > 1.4 |
| ● | > 1.1 TO 1.4 | ◆ | > 1.1 TO 1.4 |
| ● | > .9 TO 1.1 | ◆ | > .9 TO 1.1 |
| ● | > .65 TO .9 | ◆ | > .65 TO .9 |
| ● | > .45 TO .65 | ◆ | > .45 TO .65 |
| ● | > .23 TO .45 | ◆ | > .23 TO .45 |
| ○ | 0 TO .23 | ○ | 0 TO .23 |



CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Calcium (%)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3t

6211000

6212000

6213000

6214000

6215000

6216000

6217000

6218000

6219

352000

353000

354000

355000

356000

235 N

225 N

215 N

210 N

205 N

195 N

190 N

185 N

180 N

175 N

170 N

CAT CLAIMS

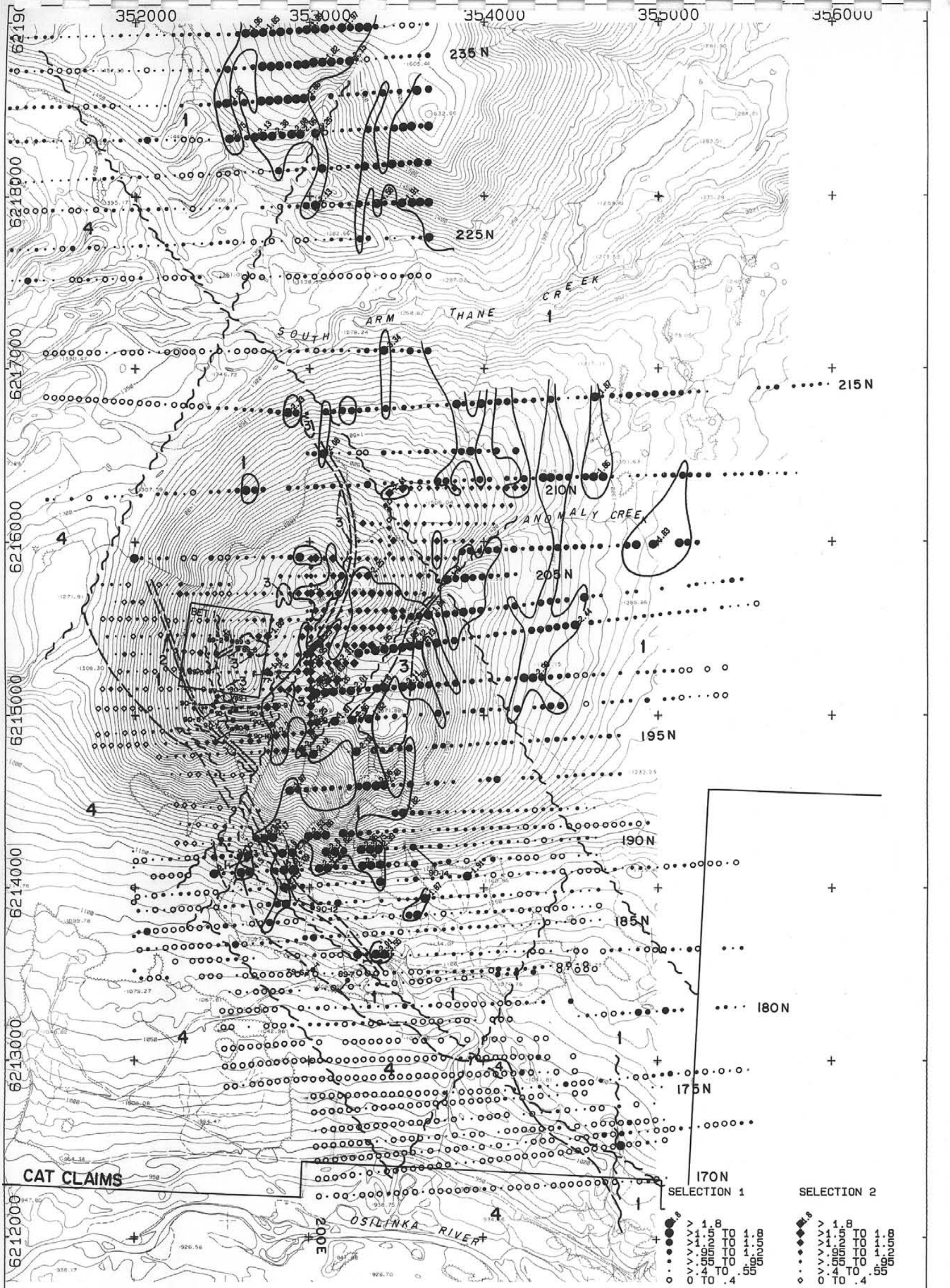
OSILINKA RIVER

ZOOE

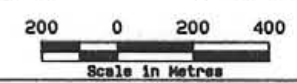
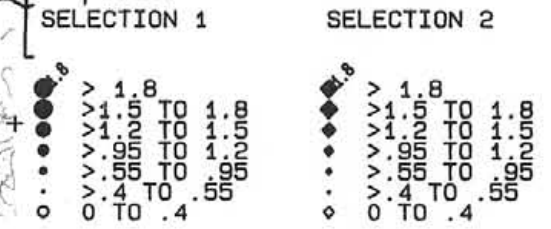
SELECTION 1

SELECTION 2

Scale in Metres



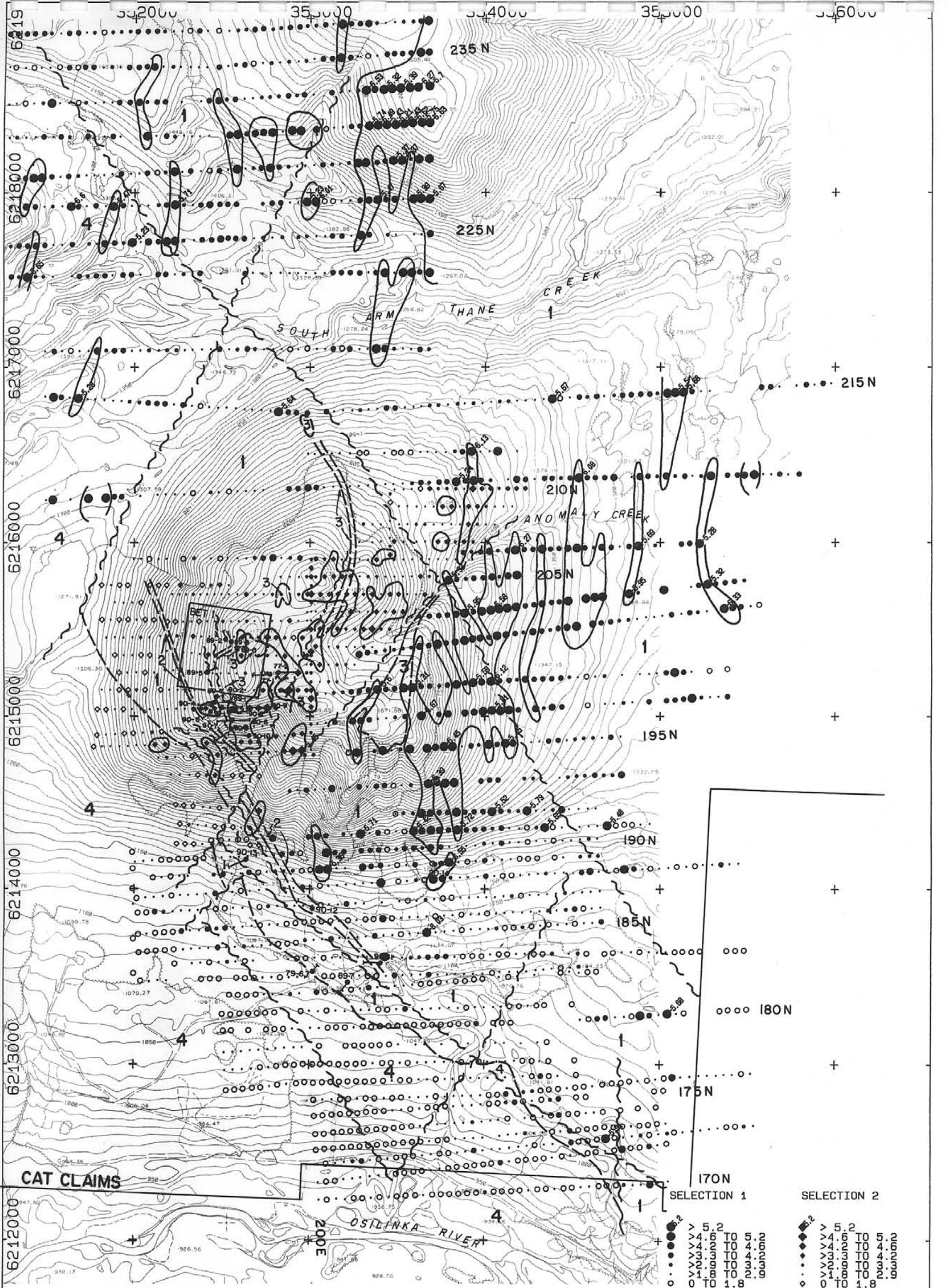
- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- +



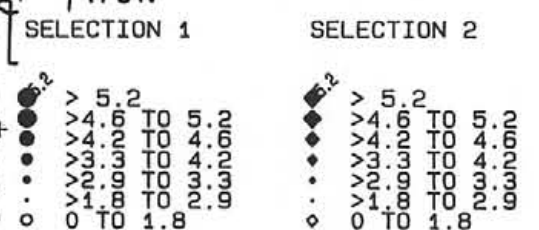
CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Magnesium (%)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-34

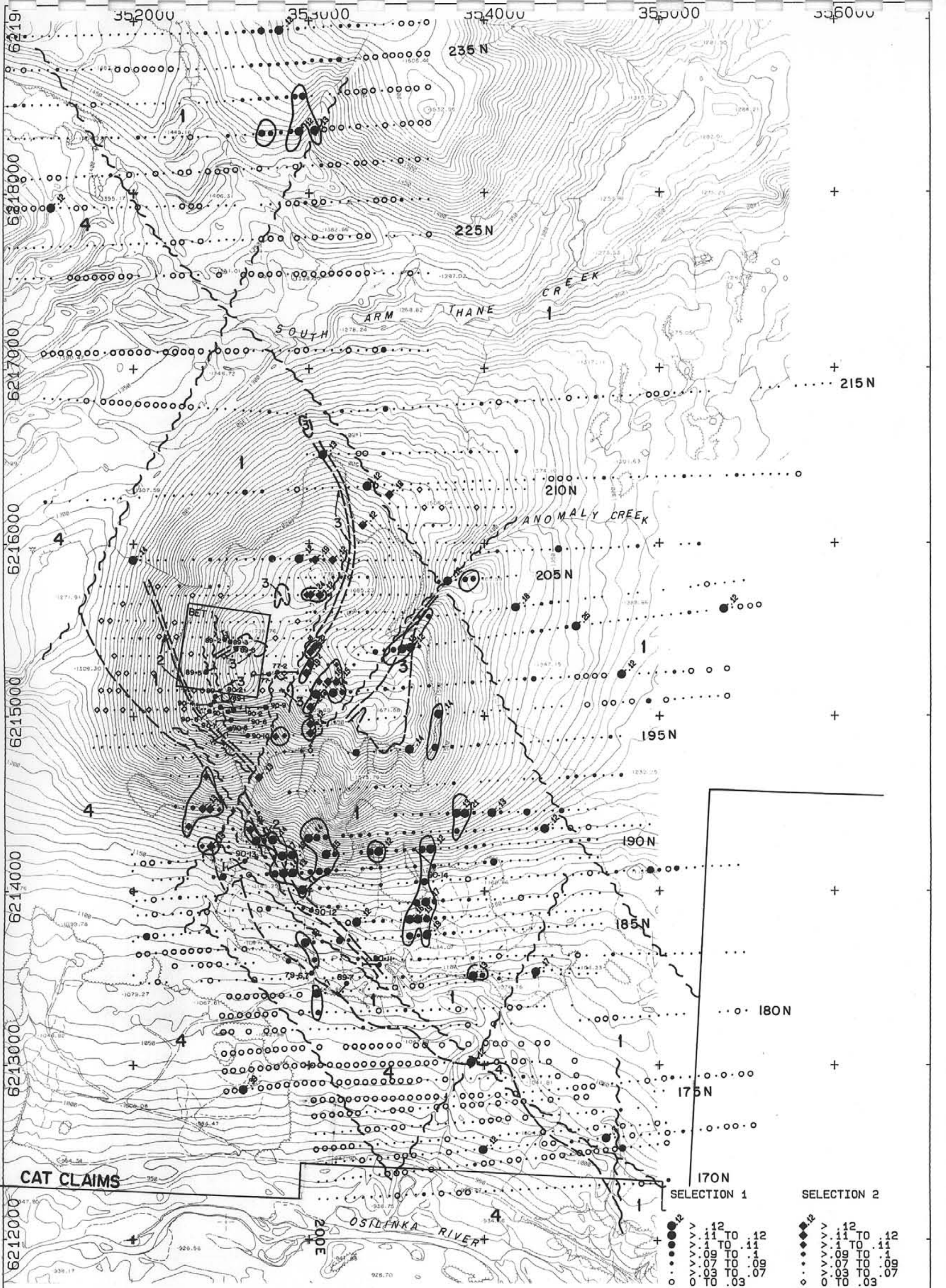


- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- +



200 0 200 400
Scale in Metres

| | | |
|--|----------------|------|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Aluminum (%) | | |
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |
| FIG. B-3v | | |



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole



200 0 200 400
Scale in Metres

CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Potassium (%)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3w

| | |
|---|---|
| <p>SELECTION 1</p> <p>● .12 TO .12</p> <p>● .11 TO .11</p> <p>● .09 TO .11</p> <p>● .09 TO .11</p> <p>● .07 TO .09</p> <p>● .07 TO .09</p> <p>○ TO .03</p> | <p>SELECTION 2</p> <p>● .12 TO .12</p> <p>● .11 TO .11</p> <p>● .09 TO .11</p> <p>● .09 TO .11</p> <p>● .07 TO .09</p> <p>● .07 TO .09</p> <p>○ TO .03</p> |
|---|---|

6211000

6212000

6213000

6214000

6215000

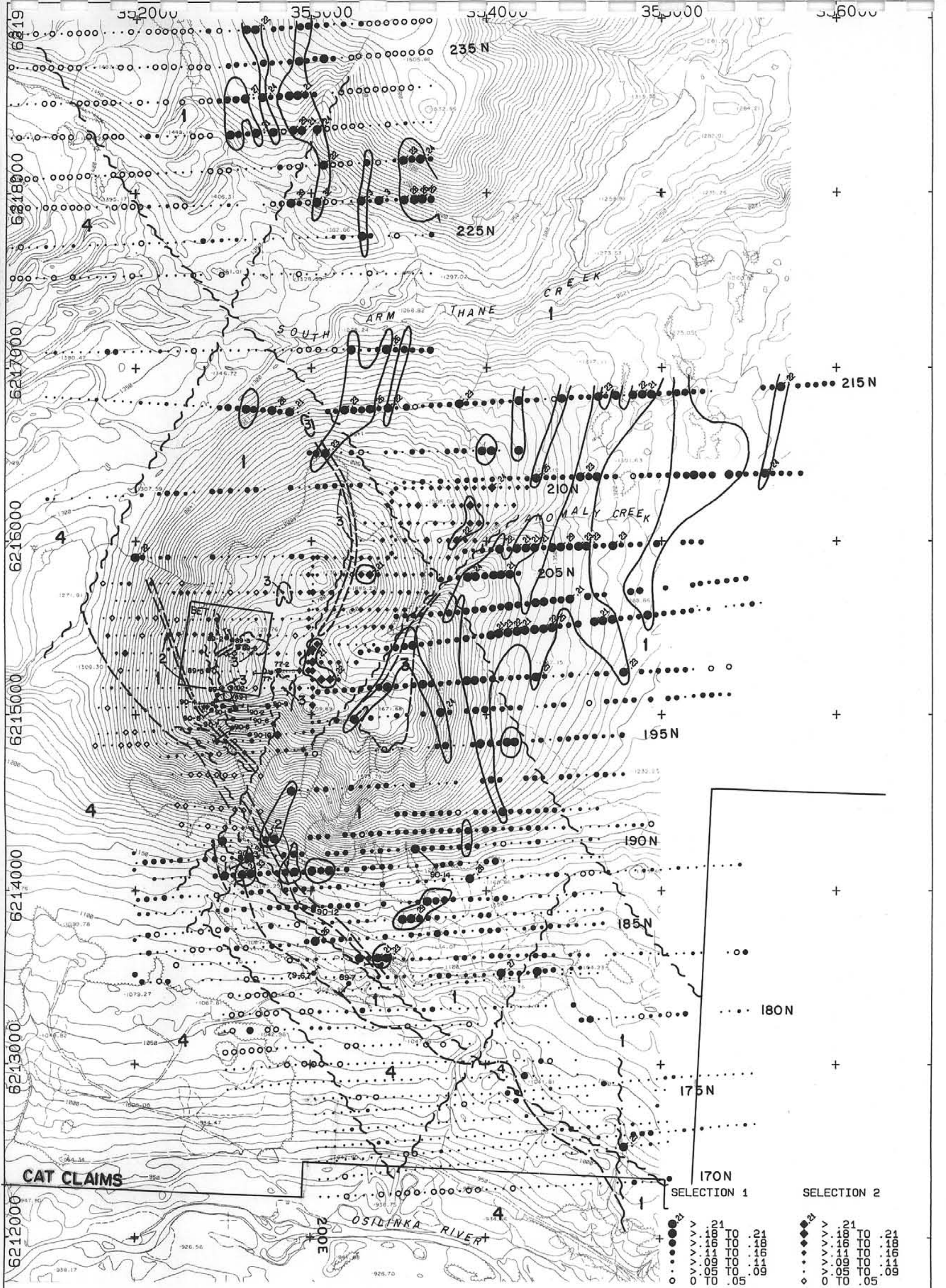
6216000

6217000

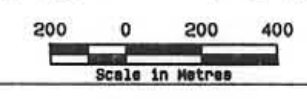
6218000

6219000

352000 353000 354000 355000 356000



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- +

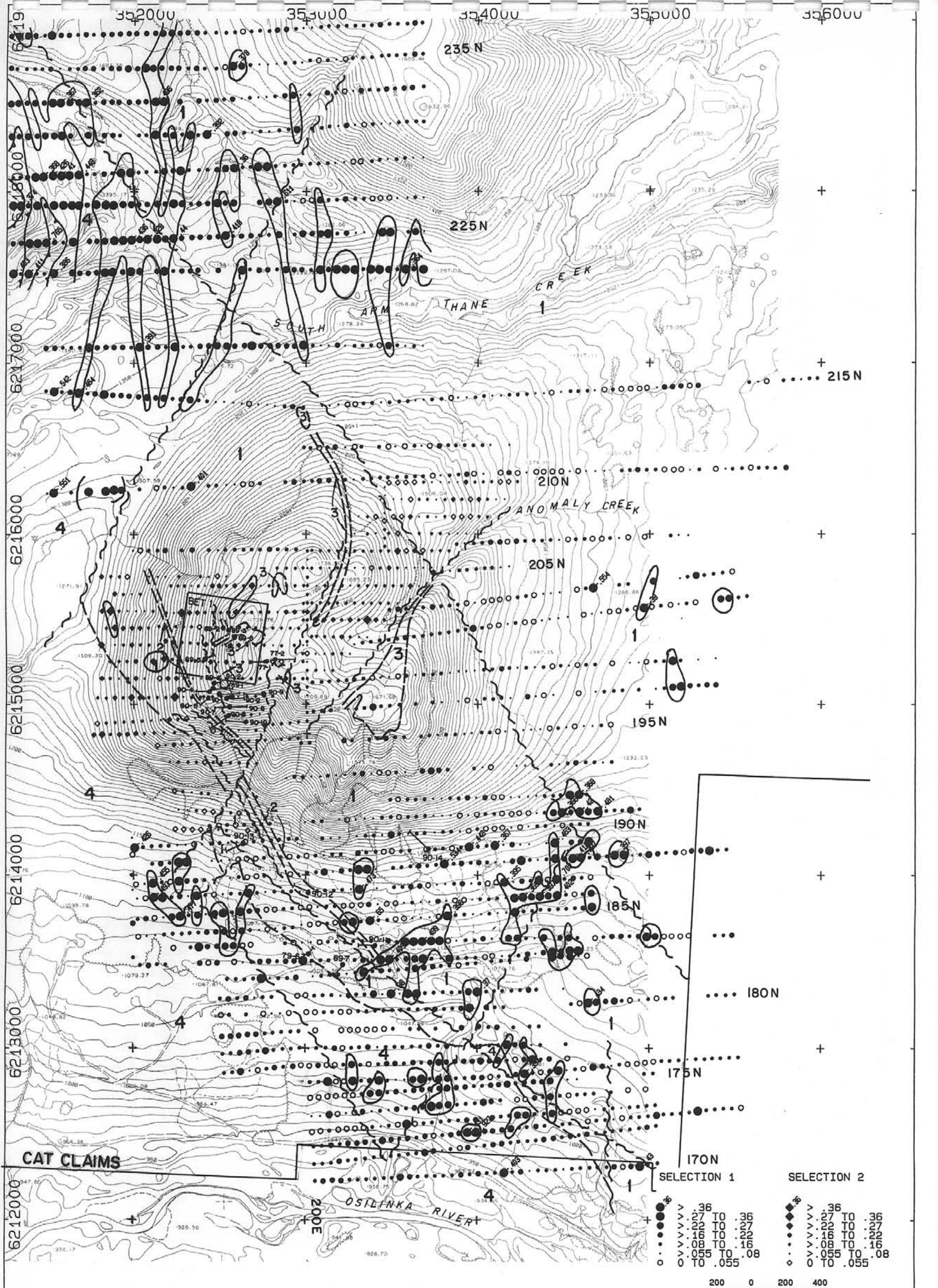


CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Titanium (%)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3x

| SELECTION 1 | | SELECTION 2 | |
|-------------|-----|-------------|-----|
| ● | .21 | ● | .21 |
| ● | .18 | ● | .18 |
| ● | .16 | ● | .16 |
| ● | .11 | ● | .11 |
| ● | .09 | ● | .09 |
| ○ | .05 | ○ | .05 |



| SELECTION 1 | | SELECTION 2 | |
|-------------|---------------|-------------|---------------|
| ● | > .36 | ◆ | > .36 |
| ● | > .27 TO .36 | ◆ | > .27 TO .36 |
| ● | > .22 TO .27 | ◆ | > .22 TO .27 |
| ● | > .16 TO .22 | ◆ | > .16 TO .22 |
| ● | > .08 TO .16 | ◆ | > .08 TO .16 |
| ○ | > .055 TO .08 | ◇ | > .055 TO .08 |
| ○ | 0 TO .055 | ◇ | 0 TO .055 |

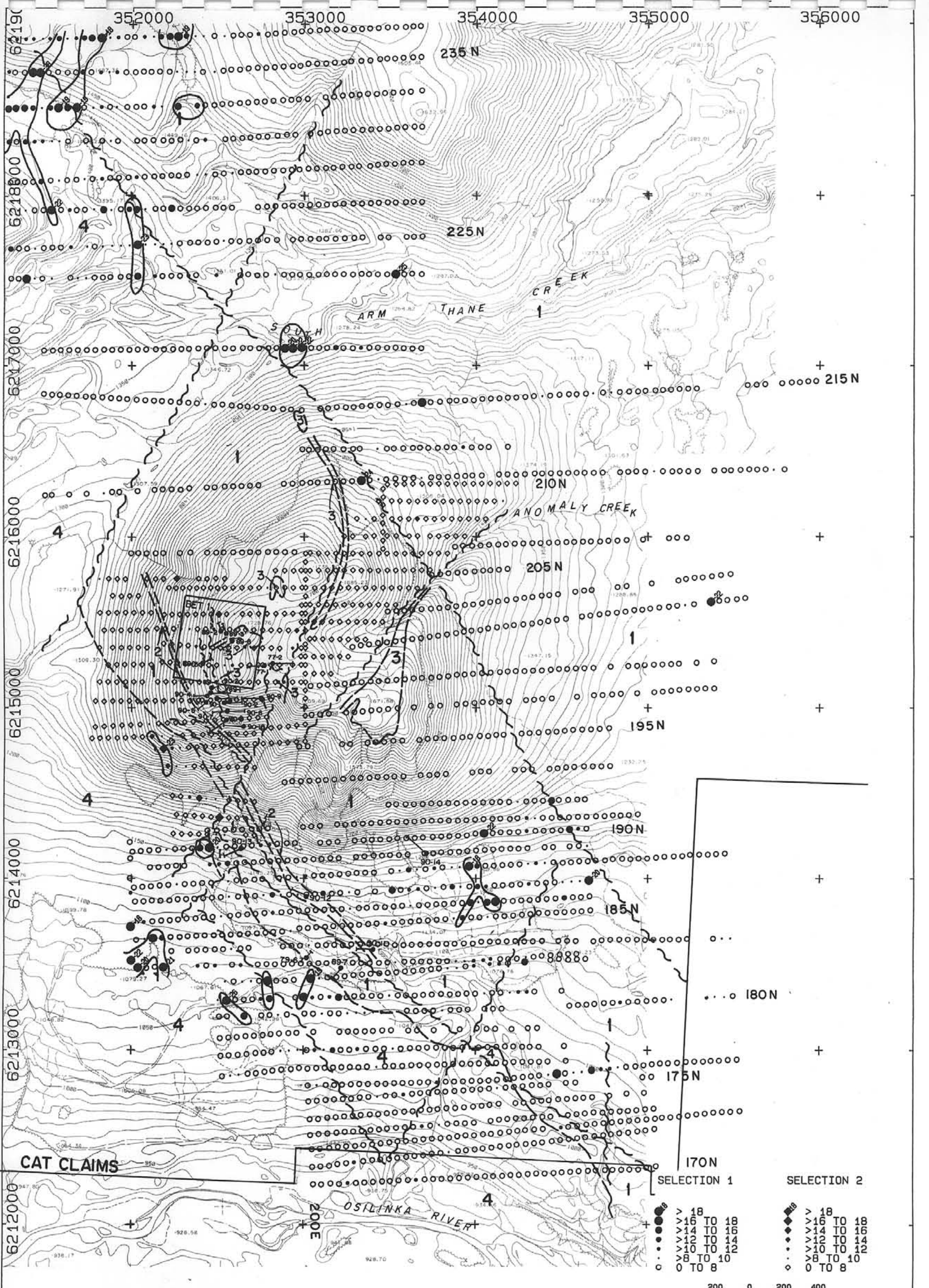
200 0 200 400
Scale in Metres

- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole



CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Phosphorus (%)

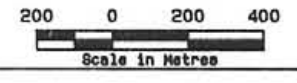
| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |



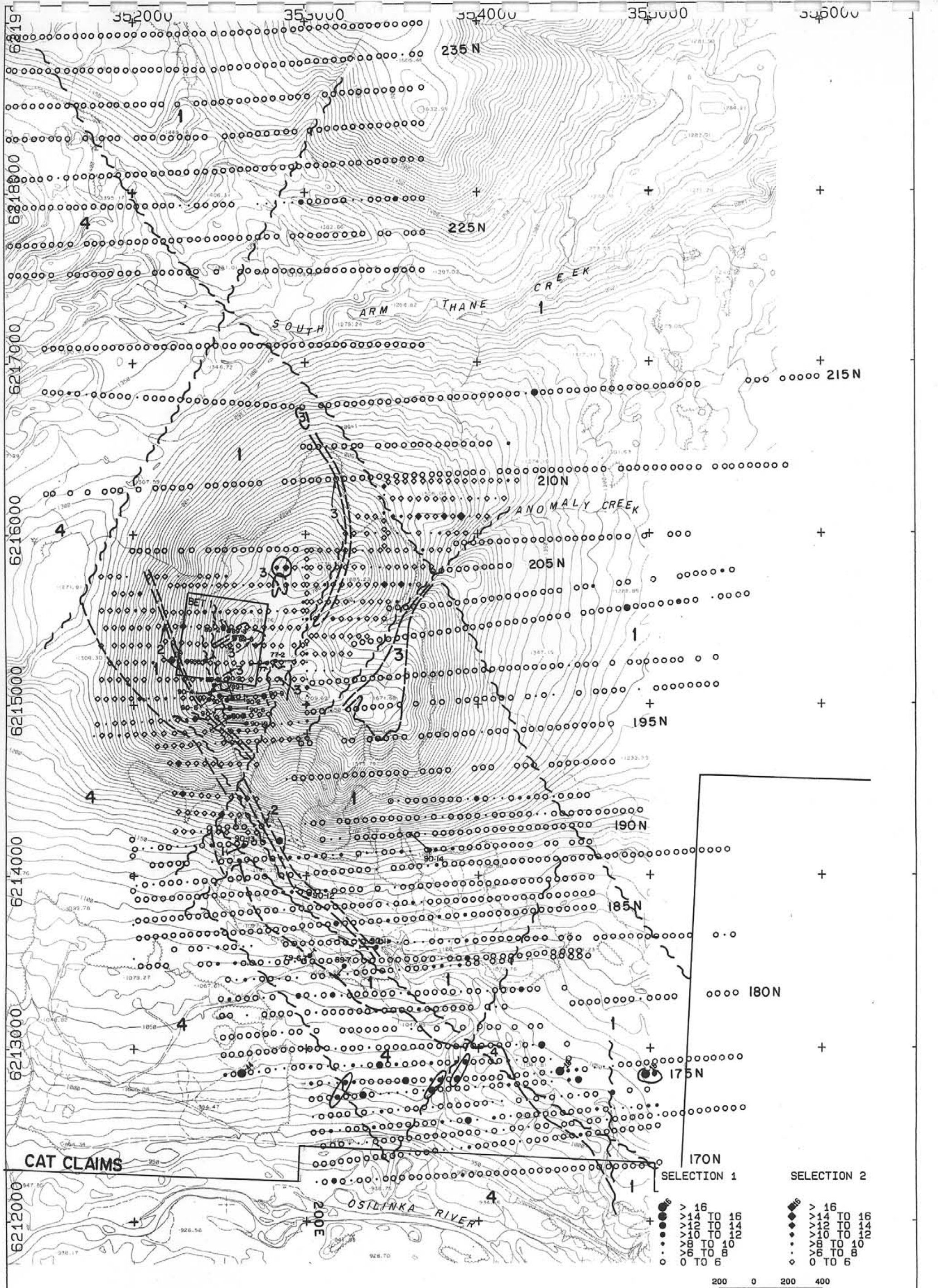
- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- + + +



- | | | | |
|---|------------|---|------------|
| ● | > 18 | ◆ | > 18 |
| ● | > 16 TO 18 | ◆ | > 16 TO 18 |
| ● | > 14 TO 16 | ◆ | > 14 TO 16 |
| ● | > 12 TO 14 | ◆ | > 12 TO 14 |
| ● | > 10 TO 12 | ◆ | > 10 TO 12 |
| ● | > 8 TO 10 | ◆ | > 8 TO 10 |
| ○ | 0 TO 8 | ◇ | 0 TO 8 |



| | | |
|---|----------------|------|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Lanthanum (ppm) | | |
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |



CAT CLAIMS

- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- +

Scale in Metres

200 0 200 400

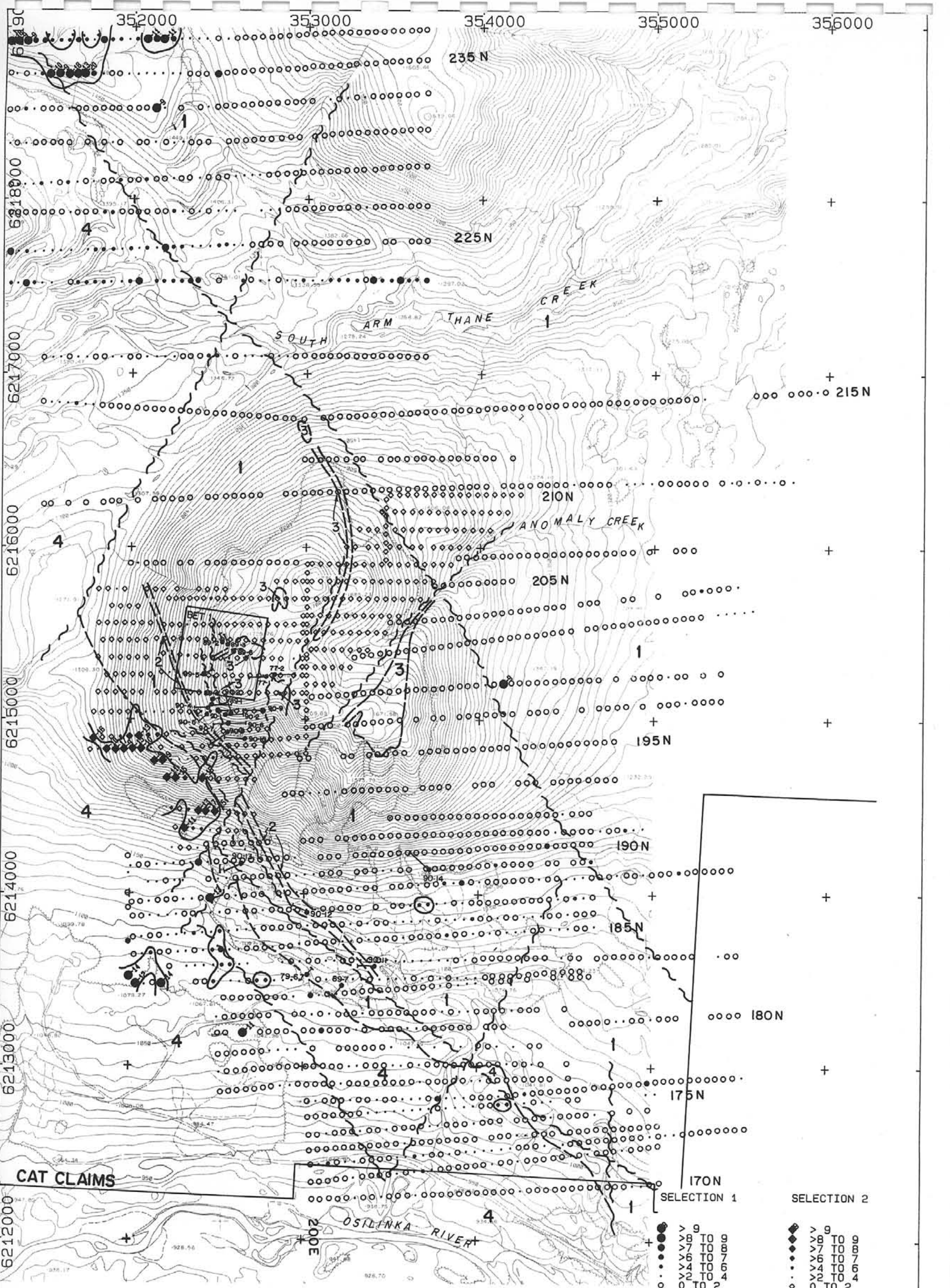
N

CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Boron (ppm)

| DATE: OCT/90 | PROJECT#: 590F | FIG. |
|--------------|----------------|------|
| NTS: 94C/3 | SCALE 1: 20000 | |

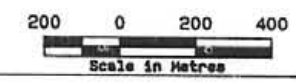
FIG. B-3aa

| | |
|---|---|
| <p>SELECTION 1</p> <ul style="list-style-type: none"> ● > 16 ● > 14 TO 16 ● > 12 TO 14 ● > 10 TO 12 ● > 8 TO 10 ● > 6 TO 8 ○ 0 TO 6 | <p>SELECTION 2</p> <ul style="list-style-type: none"> ● > 16 ● > 14 TO 16 ● > 12 TO 14 ● > 10 TO 12 ● > 8 TO 10 ● > 6 TO 8 ○ 0 TO 6 |
|---|---|



- 4 Hogem Batholith monzonite, syenite
- 3 Syenite porphyries
- 2 Quartz-bearing syenite
- 1 Takla Group latites
- Drill hole
- + + +

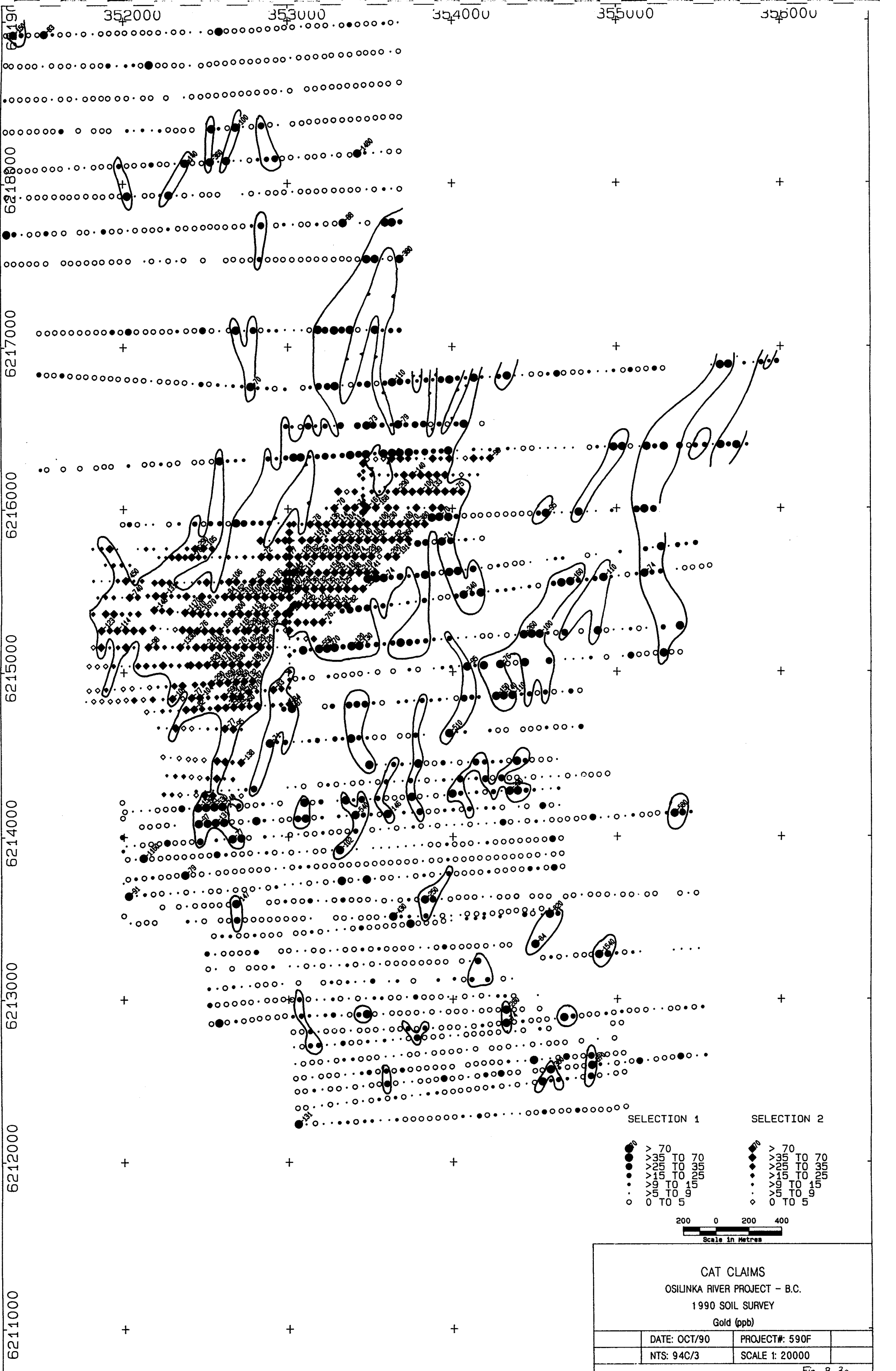
- | | | | |
|---|----------|---|----------|
| ● | > 9 | ● | > 9 |
| ● | > 8 TO 9 | ● | > 8 TO 9 |
| ● | > 7 TO 8 | ● | > 7 TO 8 |
| ● | > 6 TO 7 | ● | > 6 TO 7 |
| ● | > 4 TO 6 | ● | > 4 TO 6 |
| ● | > 2 TO 4 | ● | > 2 TO 4 |
| ○ | 0 TO 2 | ○ | 0 TO 2 |



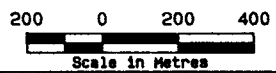
CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Thorium (ppm)

| | | |
|--------------|----------------|------|
| DATE: OCT/90 | PROJECT#: 590F | FIG. |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-36b



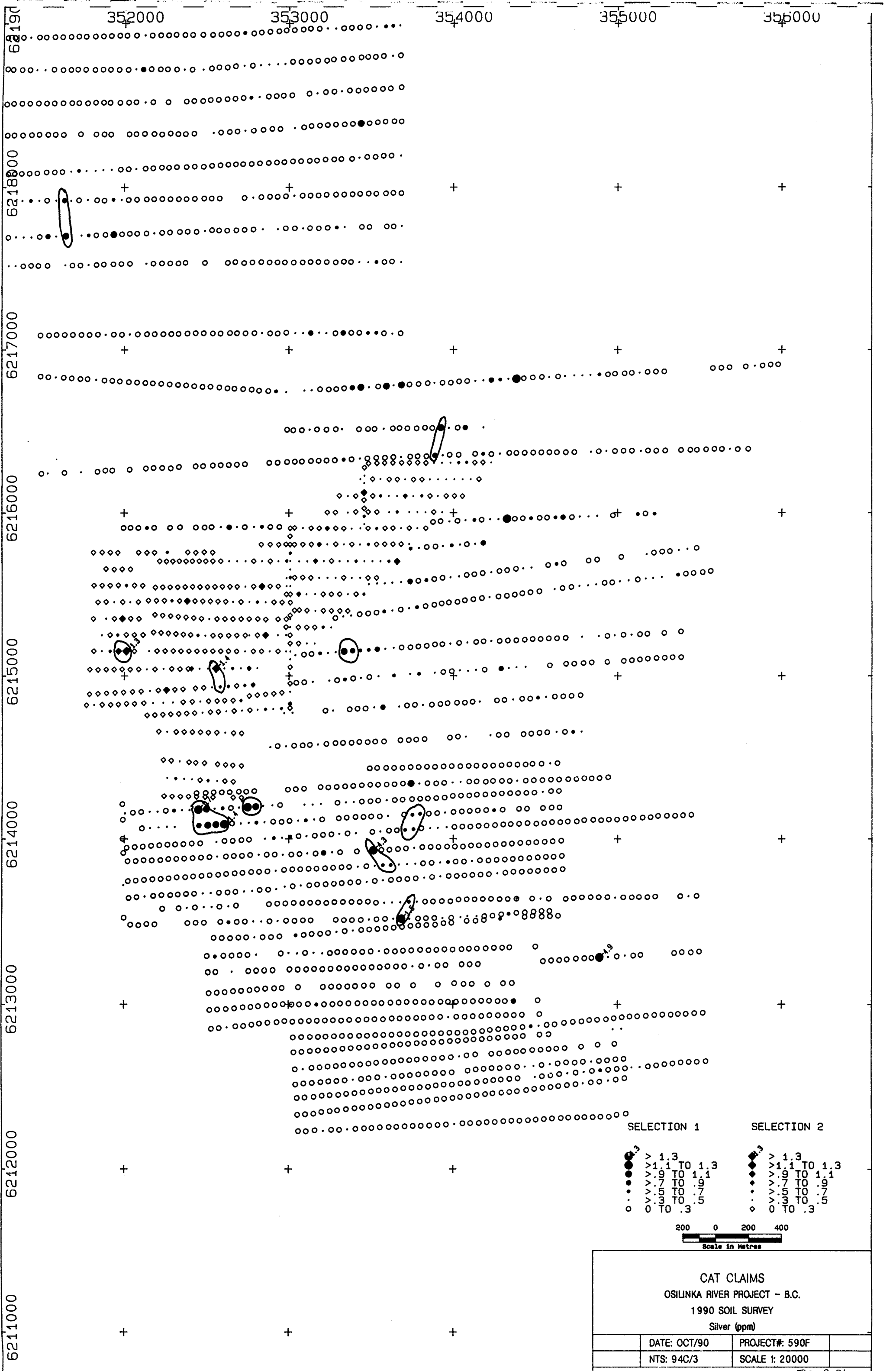
| SELECTION 1 | | SELECTION 2 | |
|-------------|-----------|-------------|-----------|
| ● | > 70 | ● | > 70 |
| ● | >35 TO 70 | ◆ | >35 TO 70 |
| ● | >25 TO 35 | ◆ | >25 TO 35 |
| ● | >15 TO 25 | ◆ | >15 TO 25 |
| ● | >9 TO 15 | ◆ | >9 TO 15 |
| ● | >5 TO 9 | ◆ | >5 TO 9 |
| ○ | 0 TO 5 | ◇ | 0 TO 5 |



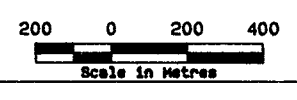
CAT CLAIMS
 OSILINKA RIVER PROJECT - B.C.
 1990 SOIL SURVEY
 Gold (ppb)

| | |
|--------------|----------------|
| DATE: OCT/90 | PROJECT#: 590F |
| NTS: 94C/3 | SCALE 1: 20000 |

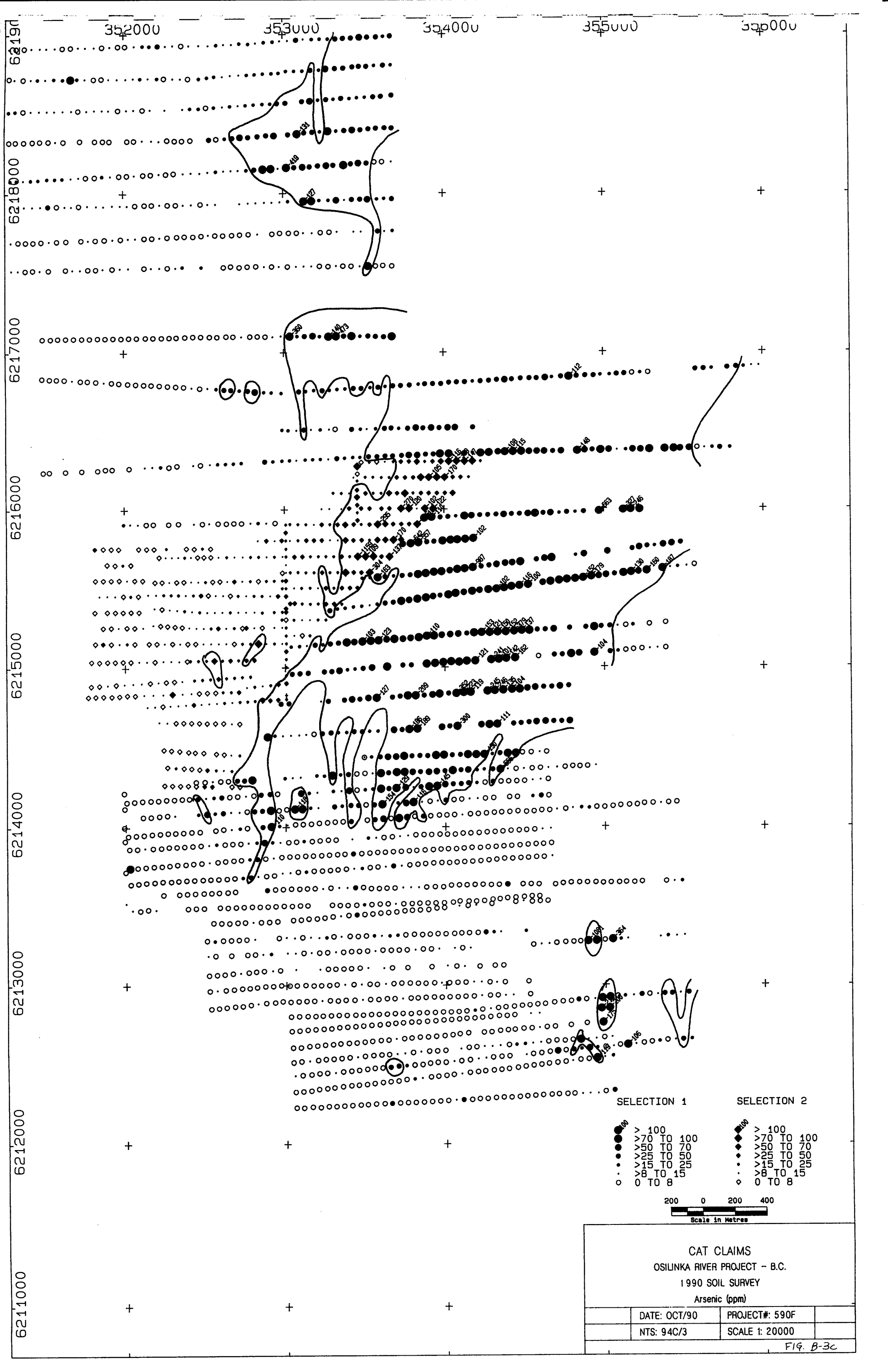
Fig. B-3a



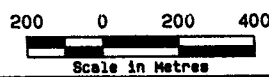
- | | |
|----------------|----------------|
| SELECTION 1 | SELECTION 2 |
| ● > 1.3 | ● > 1.3 |
| ● > 1.1 TO 1.3 | ● > 1.1 TO 1.3 |
| ● > .9 TO 1.1 | ● > .9 TO 1.1 |
| ● > .7 TO .9 | ● > .7 TO .9 |
| ● > .5 TO .7 | ● > .5 TO .7 |
| ● > .3 TO .5 | ● > .3 TO .5 |
| ○ 0 TO .3 | ○ 0 TO .3 |



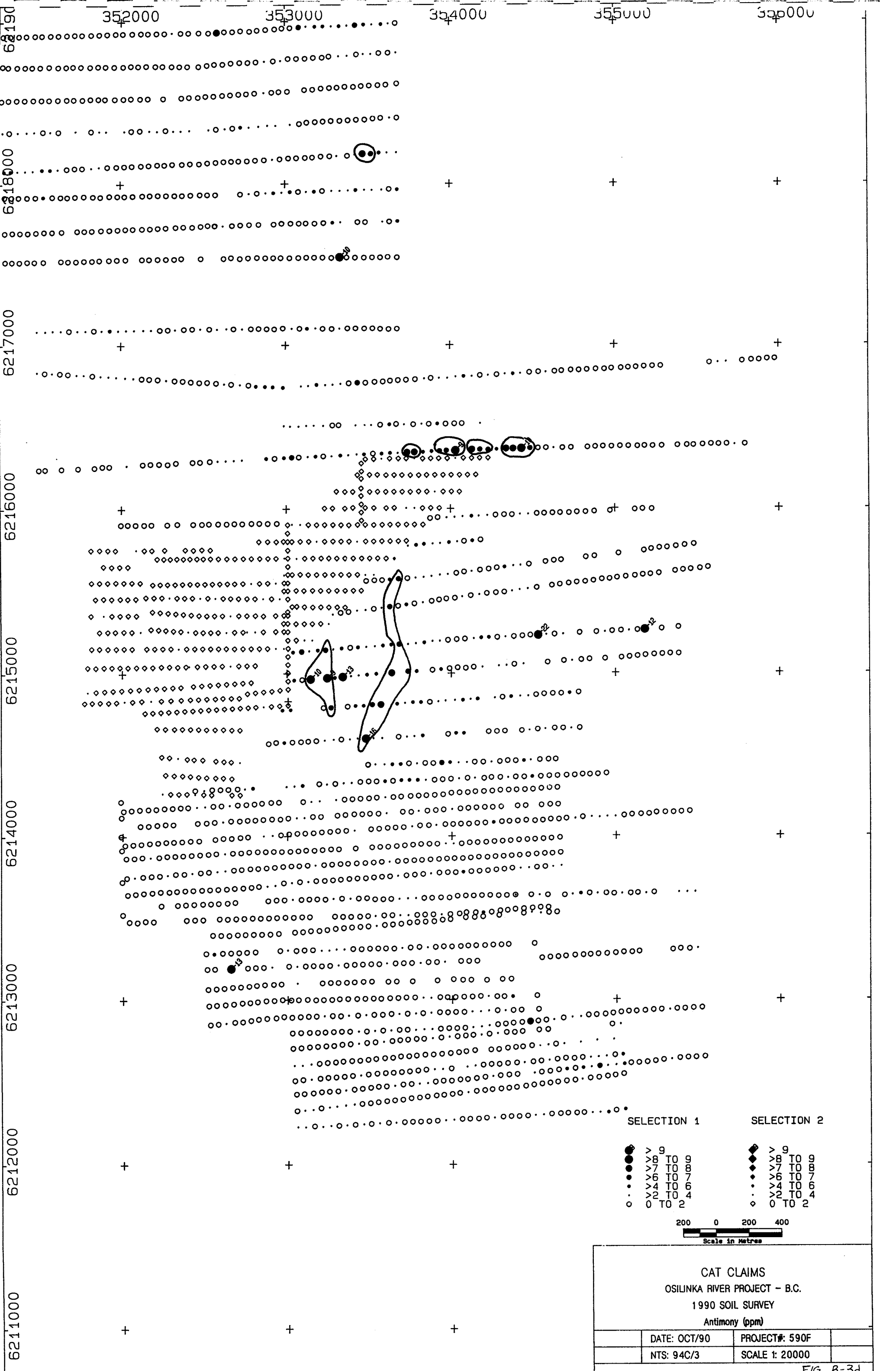
| | | |
|--|----------------|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Silver (ppm) | | |
| DATE: OCT/90 | PROJECT#: 590F | |
| NTS: 94C/3 | SCALE 1: 20000 | |



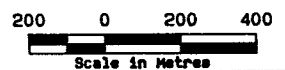
- | | |
|--|--|
| <p>SELECTION 1</p> <ul style="list-style-type: none"> ● > 100 ● > 70 TO 100 ● > 50 TO 70 ● > 25 TO 50 ● > 15 TO 25 ● > 8 TO 15 ○ 0 TO 8 | <p>SELECTION 2</p> <ul style="list-style-type: none"> ● > 100 ● > 70 TO 100 ● > 50 TO 70 ● > 25 TO 50 ● > 15 TO 25 ● > 8 TO 15 ○ 0 TO 8 |
|--|--|



| | | |
|--|----------------|--|
| <p>CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Arsenic (ppm)</p> | | |
| DATE: OCT/90 | PROJECT#: 590F | |
| NTS: 94C/3 | SCALE 1: 20000 | |

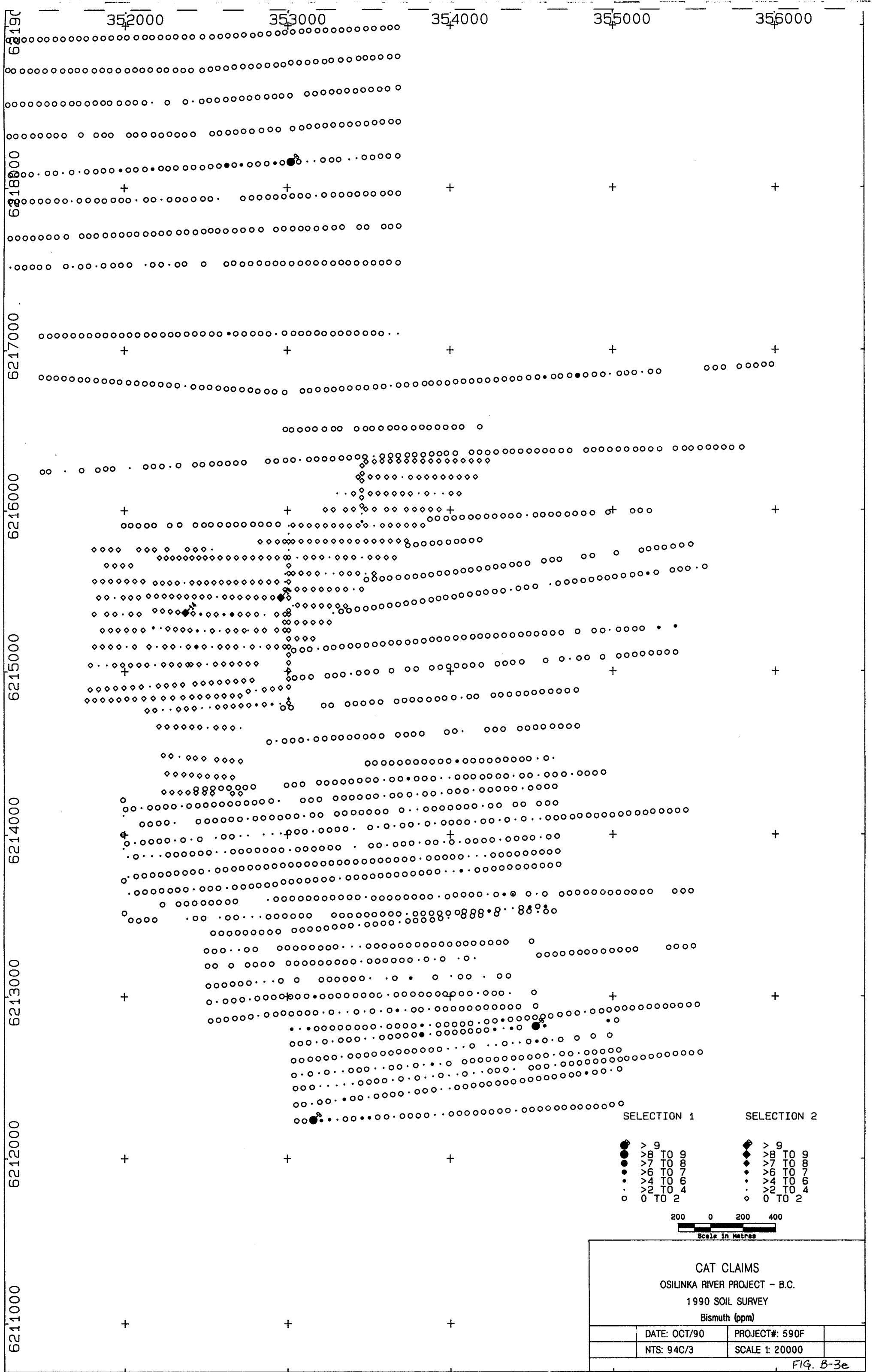


- | | | | |
|---|---------|---|---------|
| ● | > 9 | ◆ | > 9 |
| ● | >8 TO 9 | ◆ | >8 TO 9 |
| ● | >7 TO 8 | ◆ | >7 TO 8 |
| ● | >6 TO 7 | ◆ | >6 TO 7 |
| ● | >4 TO 6 | ◆ | >4 TO 6 |
| ● | >2 TO 4 | ◆ | >2 TO 4 |
| ○ | 0 TO 2 | ◇ | 0 TO 2 |

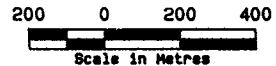


| | | |
|--|----------------|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Antimony (ppm) | | |
| DATE: OCT/90 | PROJECT#: 590F | |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3d

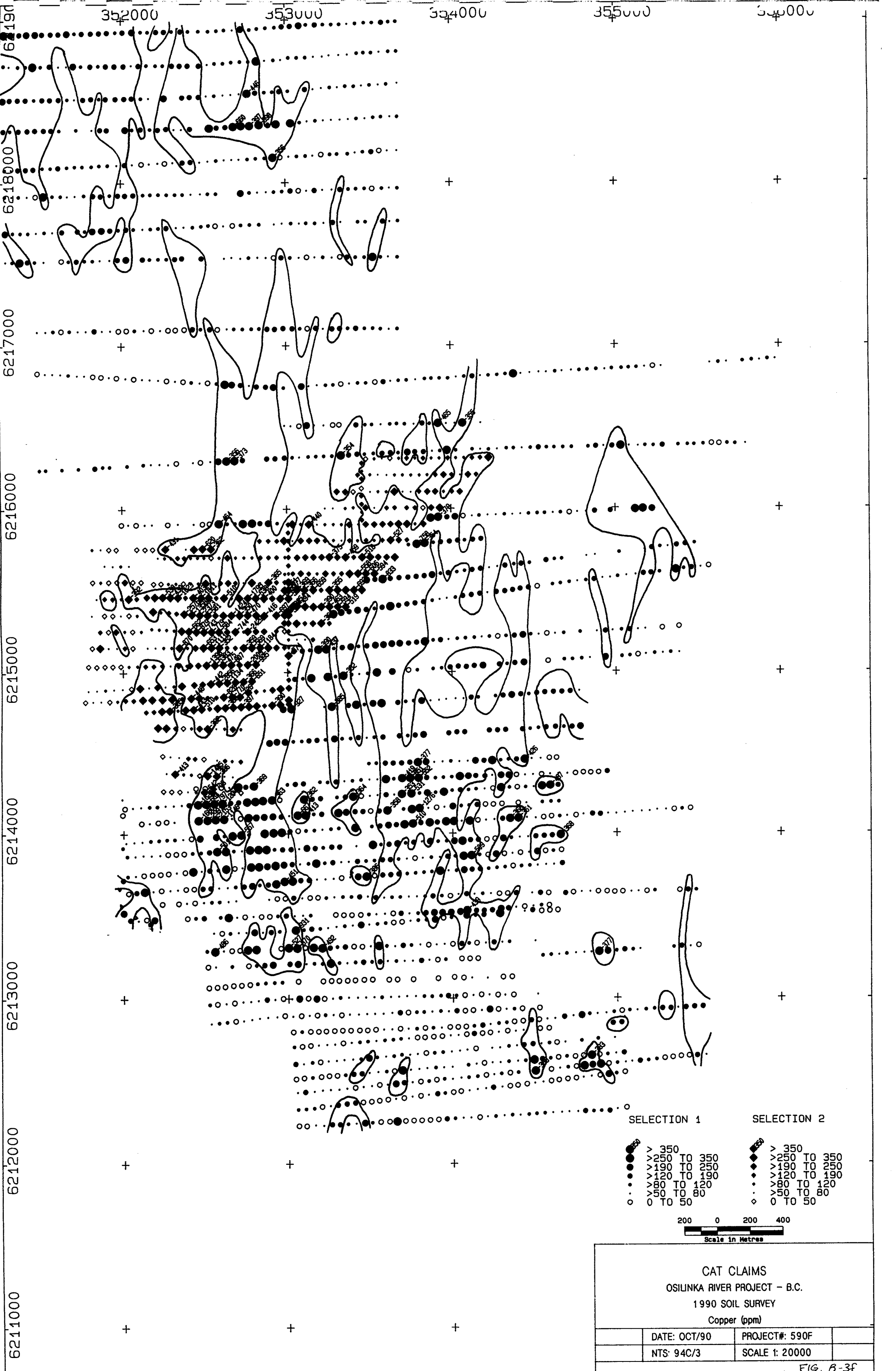


- | | |
|--|--|
| <p>SELECTION 1</p> <ul style="list-style-type: none"> ● > 9 ● > 8 TO 9 ● > 7 TO 8 ● > 6 TO 7 ● > 4 TO 6 ○ > 2 TO 4 ○ 0 TO 2 | <p>SELECTION 2</p> <ul style="list-style-type: none"> ◆ > 9 ◆ > 8 TO 9 ◆ > 7 TO 8 ◆ > 6 TO 7 ◆ > 4 TO 6 ○ > 2 TO 4 ○ 0 TO 2 |
|--|--|

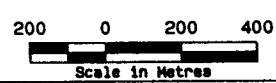


| | | | |
|--|----------------|--|--|
| <p>CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Bismuth (ppm)</p> | | | |
| DATE: OCT/90 | PROJECT#: 590F | | |
| NTS: 94C/3 | SCALE 1: 20000 | | |

FIG. B-3e



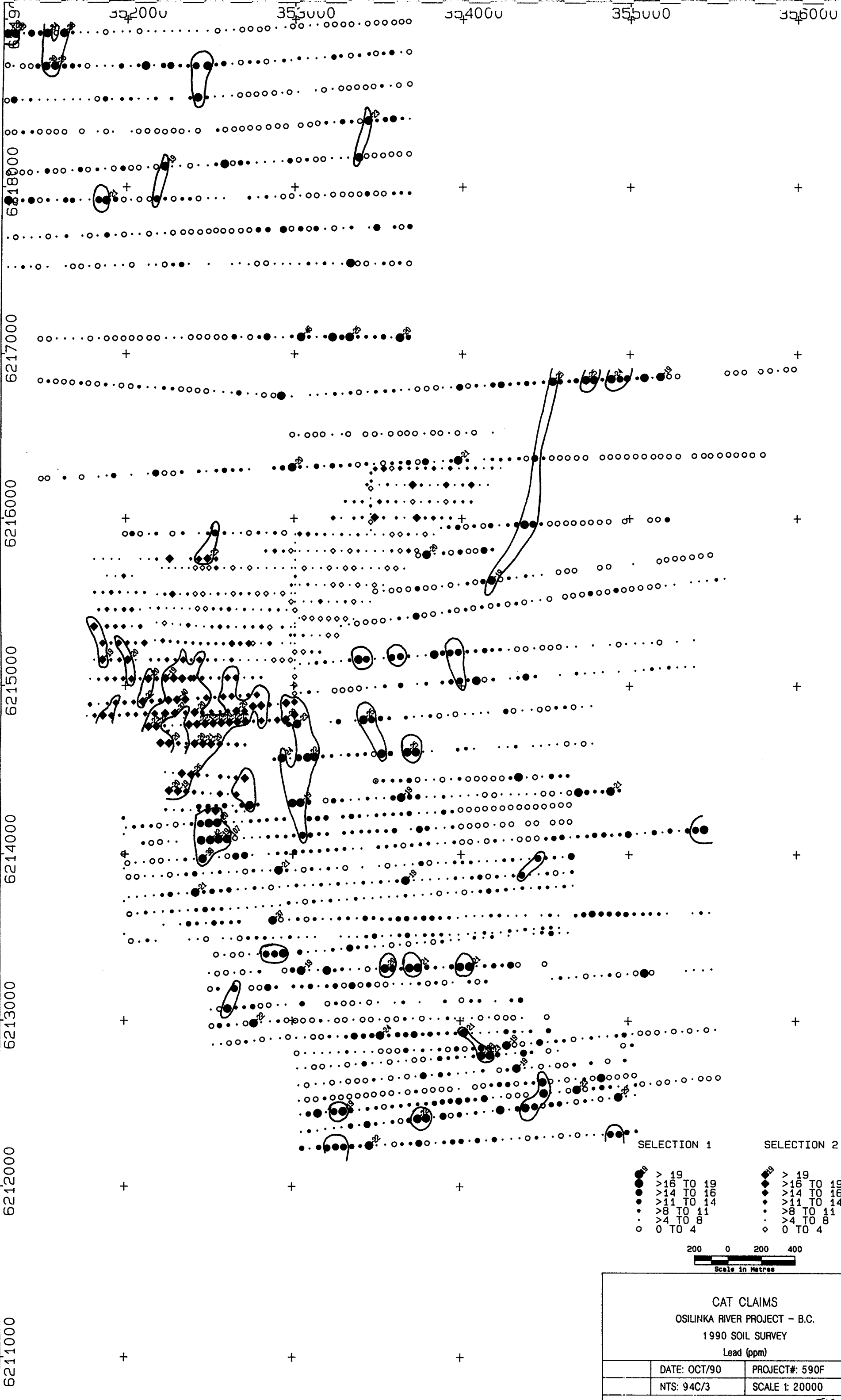
- | | |
|--|--|
| <p>SELECTION 1</p> <ul style="list-style-type: none"> ● > 350 ● > 250 TO 350 ● > 190 TO 250 ● > 120 TO 190 ● > 80 TO 120 ● > 50 TO 80 ○ 0 TO 50 | <p>SELECTION 2</p> <ul style="list-style-type: none"> ● > 350 ● > 250 TO 350 ● > 190 TO 250 ● > 120 TO 190 ● > 80 TO 120 ● > 50 TO 80 ○ 0 TO 50 |
|--|--|



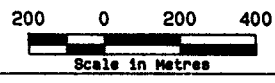
CAT CLAIMS
 OSILINKA RIVER PROJECT - B.C.
 1990 SOIL SURVEY
 Copper (ppm)

| | |
|--------------|----------------|
| DATE: OCT/90 | PROJECT#: 590F |
| NTS: 94C/3 | SCALE 1: 20000 |

FIG. B-3f

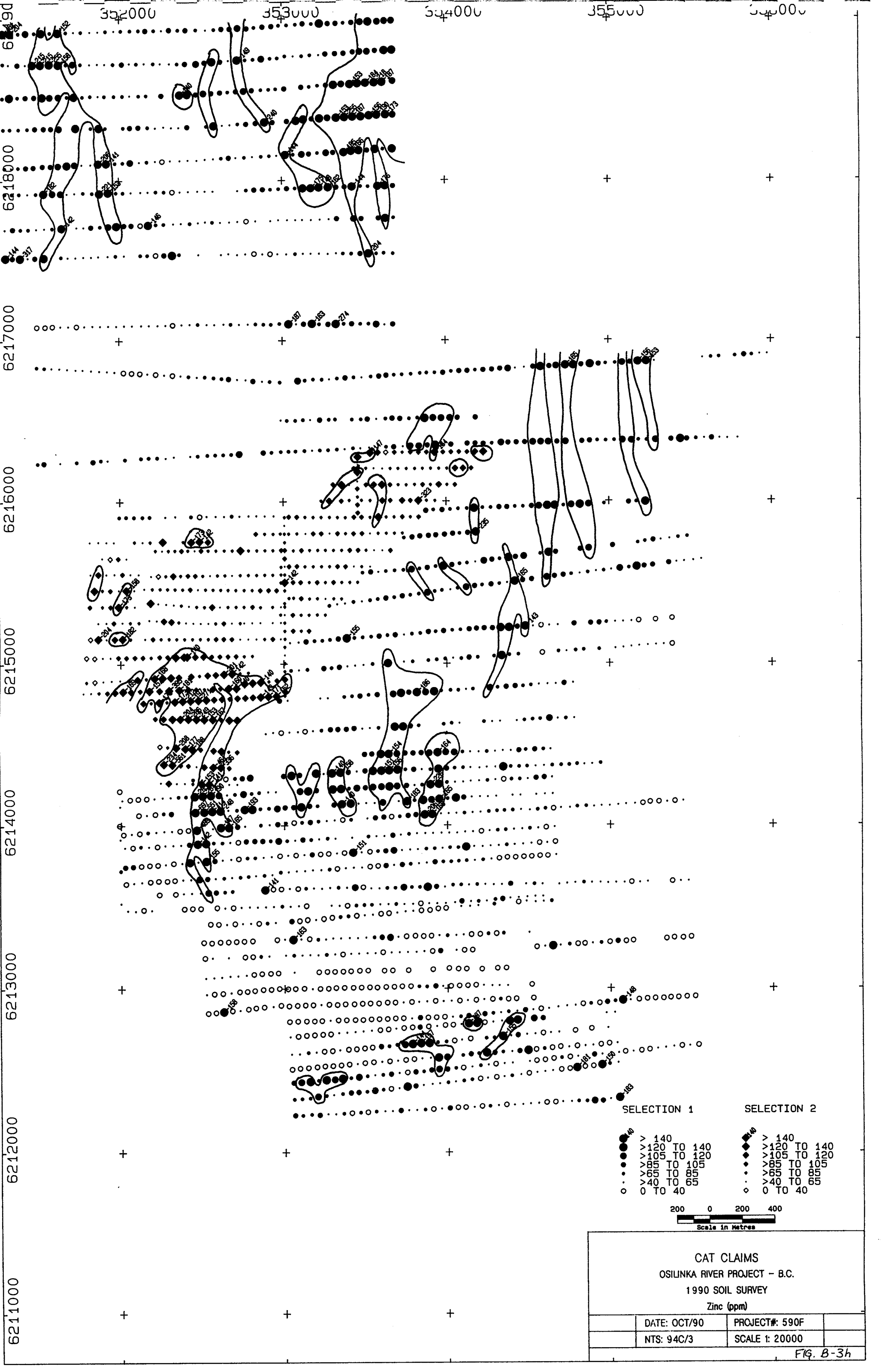
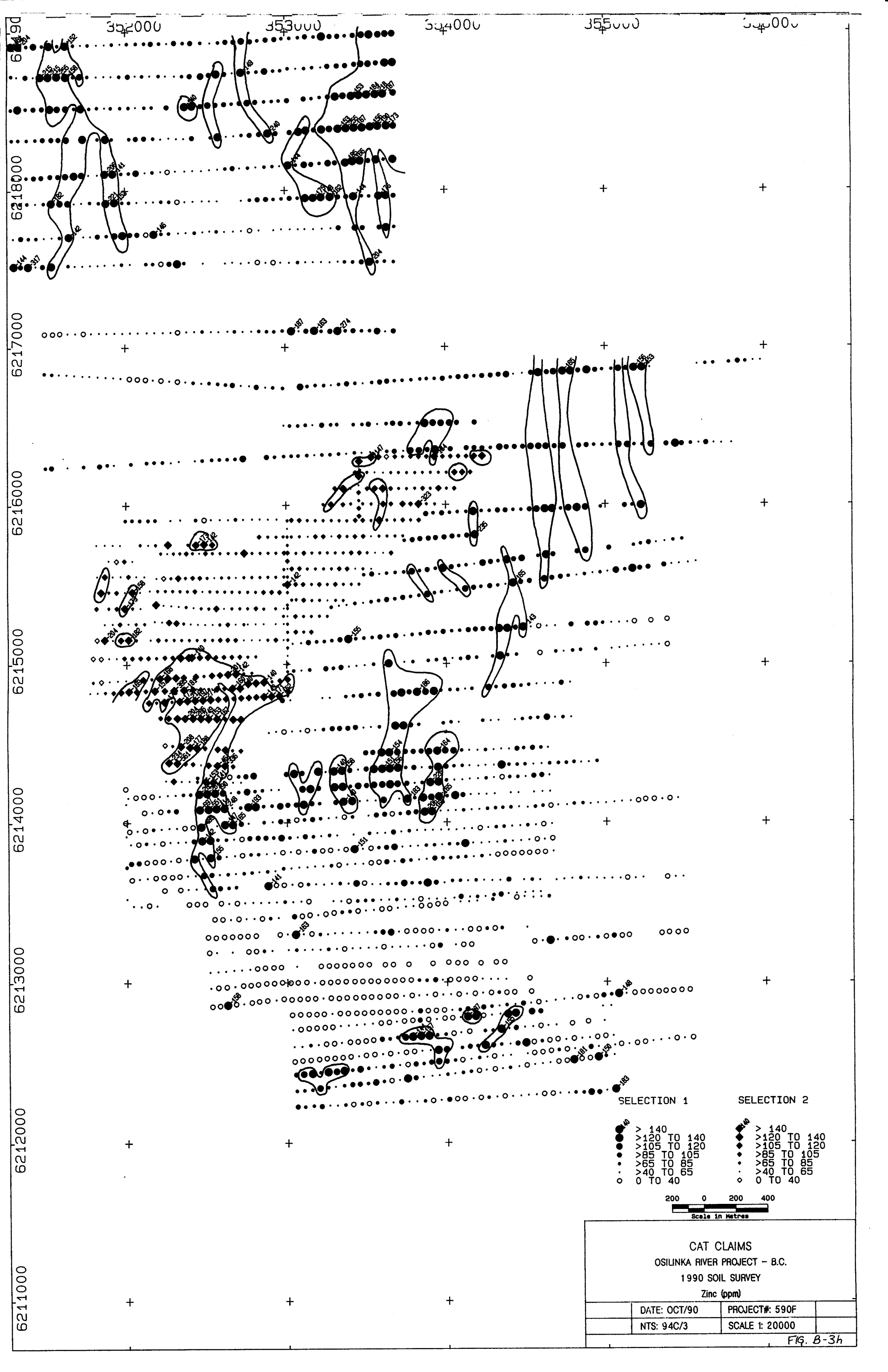


- | | |
|--|--|
| <p>SELECTION 1</p> <ul style="list-style-type: none"> ● > 19 ● > 16 TO 19 ● > 14 TO 16 ● > 11 TO 14 ● > 8 TO 11 ● > 4 TO 8 ○ 0 TO 4 | <p>SELECTION 2</p> <ul style="list-style-type: none"> ◆ > 19 ◆ > 16 TO 19 ◆ > 14 TO 16 ◆ > 11 TO 14 ◆ > 8 TO 11 ◆ > 4 TO 8 ◇ 0 TO 4 |
|--|--|

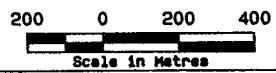


| | | | |
|---|--------------|----------------|--|
| <p>CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Lead (ppm)</p> | | | |
| | DATE: OCT/90 | PROJECT#: 590F | |
| | NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3g

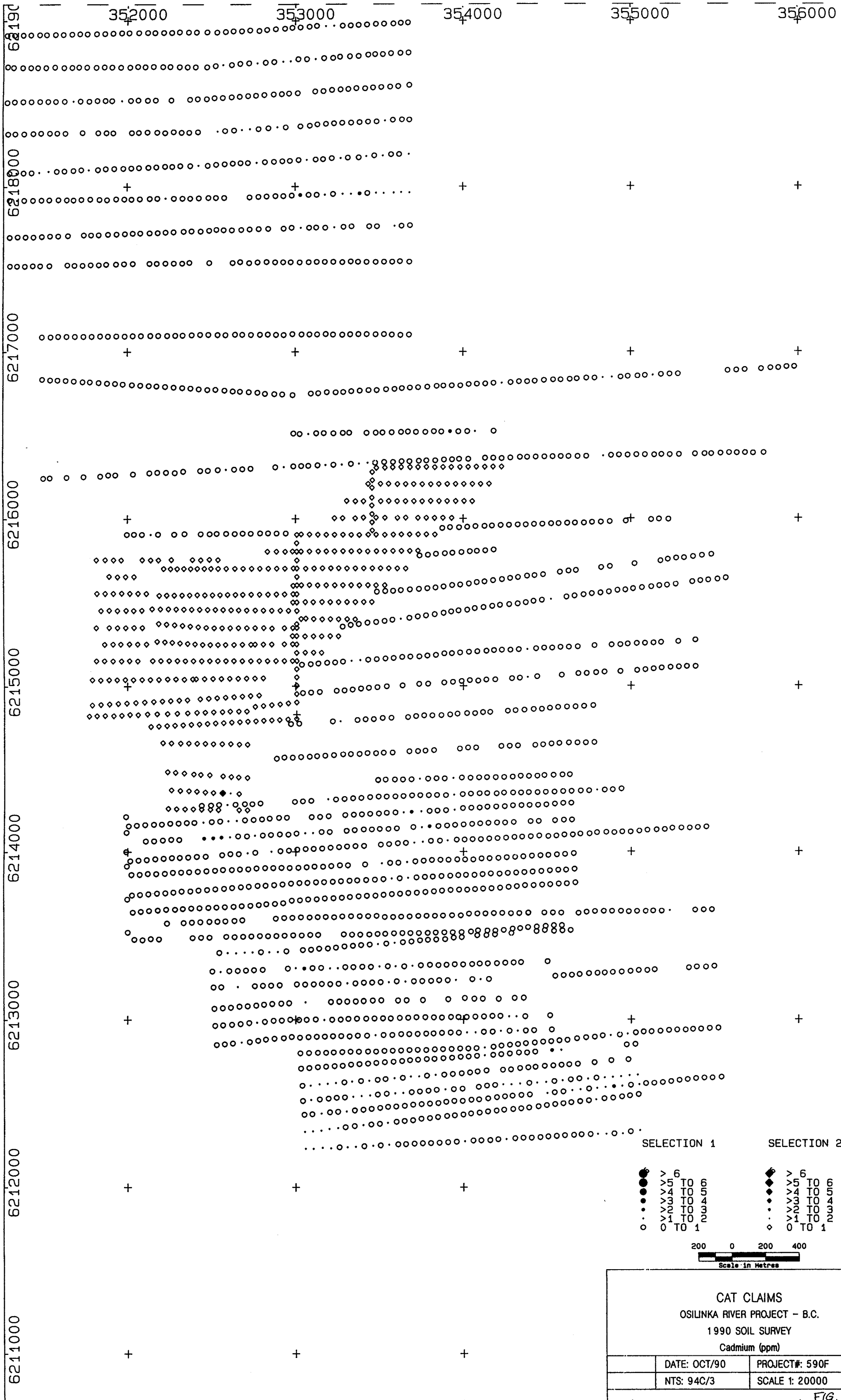


- | | |
|--|--|
| <p>SELECTION 1</p> <ul style="list-style-type: none"> ● > 140 ● > 120 TO 140 ● > 105 TO 120 ● > 85 TO 105 ● > 65 TO 85 ● > 40 TO 65 ○ 0 TO 40 | <p>SELECTION 2</p> <ul style="list-style-type: none"> ◆ > 140 ◆ > 120 TO 140 ◆ > 105 TO 120 ◆ > 85 TO 105 ◆ > 65 TO 85 ◆ > 40 TO 65 ◇ 0 TO 40 |
|--|--|



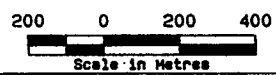
| | | |
|---|----------------|--|
| <p>CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Zinc (ppm)</p> | | |
| DATE: OCT/90 | PROJECT#: 590F | |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3h

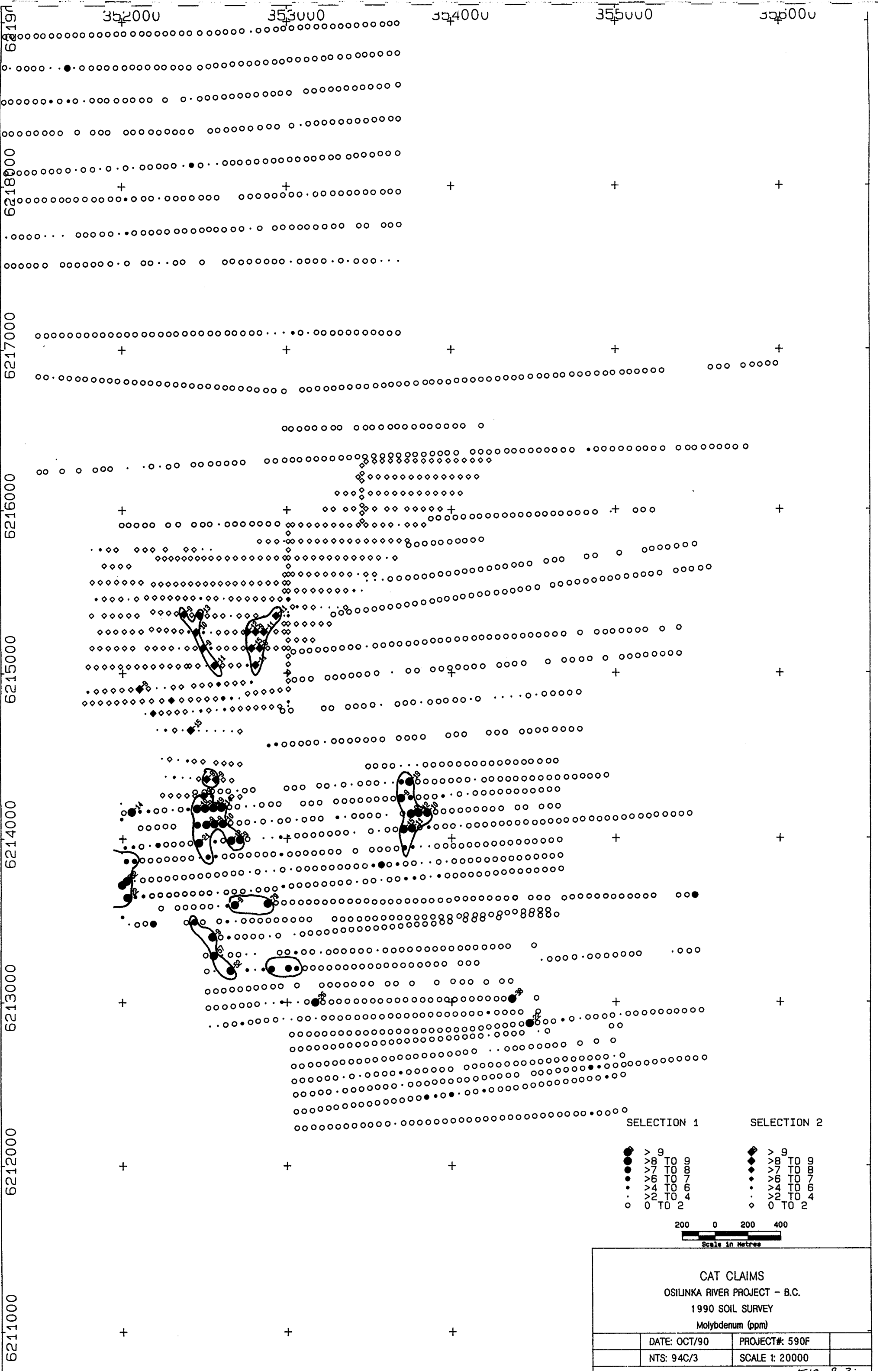


SELECTION 1 SELECTION 2

- | | | | |
|---|---------|---|---------|
| ● | > 6 | ◆ | > 6 |
| ● | >5 TO 6 | ◆ | >5 TO 6 |
| ● | >4 TO 5 | ◆ | >4 TO 5 |
| ● | >3 TO 4 | ◆ | >3 TO 4 |
| ● | >2 TO 3 | ◆ | >2 TO 3 |
| ● | >1 TO 2 | ◆ | >1 TO 2 |
| ○ | 0 TO 1 | ◆ | 0 TO 1 |

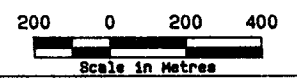


| | | |
|---|----------------|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Cadmium (ppm) | | |
| DATE: OCT/90 | PROJECT#: 590F | |
| NTS: 94C/3 | SCALE 1: 20000 | |



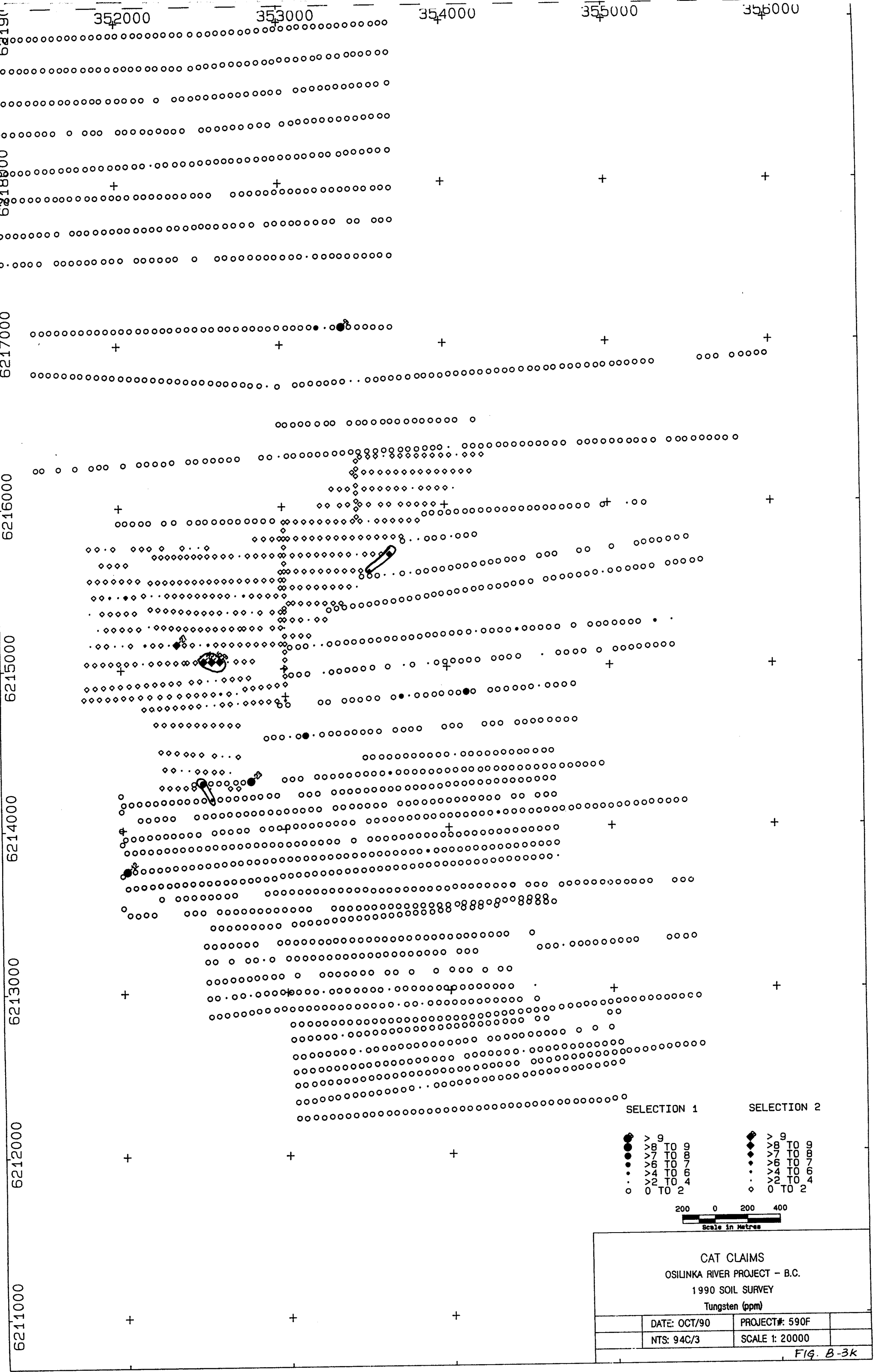
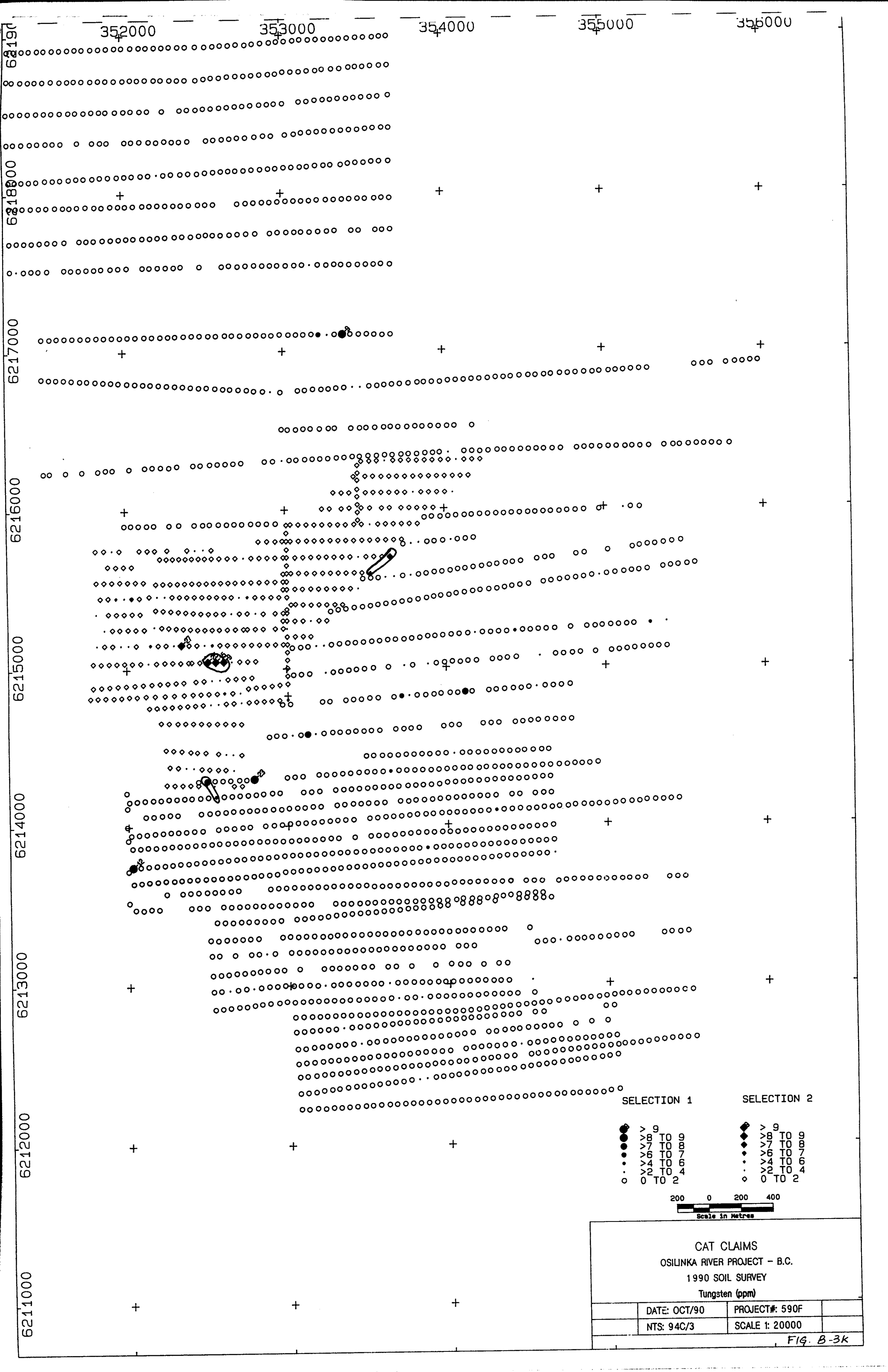
SELECTION 1 SELECTION 2

- | | | | |
|---|----------|---|----------|
| ● | > 9 | ◆ | > 9 |
| ● | > 8 TO 9 | ◆ | > 8 TO 9 |
| ● | > 7 TO 8 | ◆ | > 7 TO 8 |
| ● | > 6 TO 7 | ◆ | > 6 TO 7 |
| ● | > 4 TO 6 | ◆ | > 4 TO 6 |
| ● | > 2 TO 4 | ◆ | > 2 TO 4 |
| ○ | 0 TO 2 | ◇ | 0 TO 2 |



| | | |
|--|----------------|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Molybdenum (ppm) | | |
| DATE: OCT/90 | PROJECT#: 590F | |
| NTS: 94C/3 | SCALE 1: 20000 | |

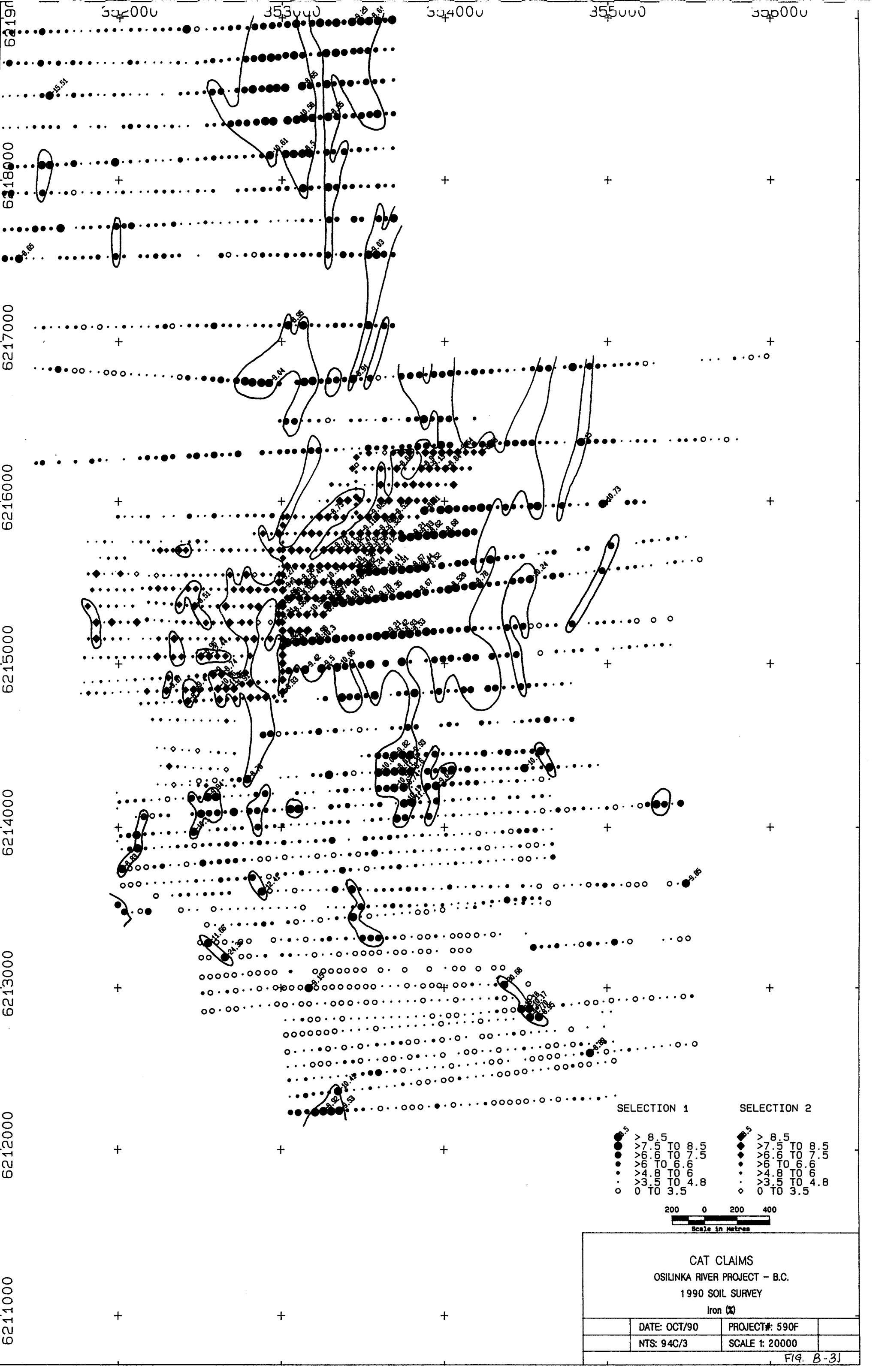
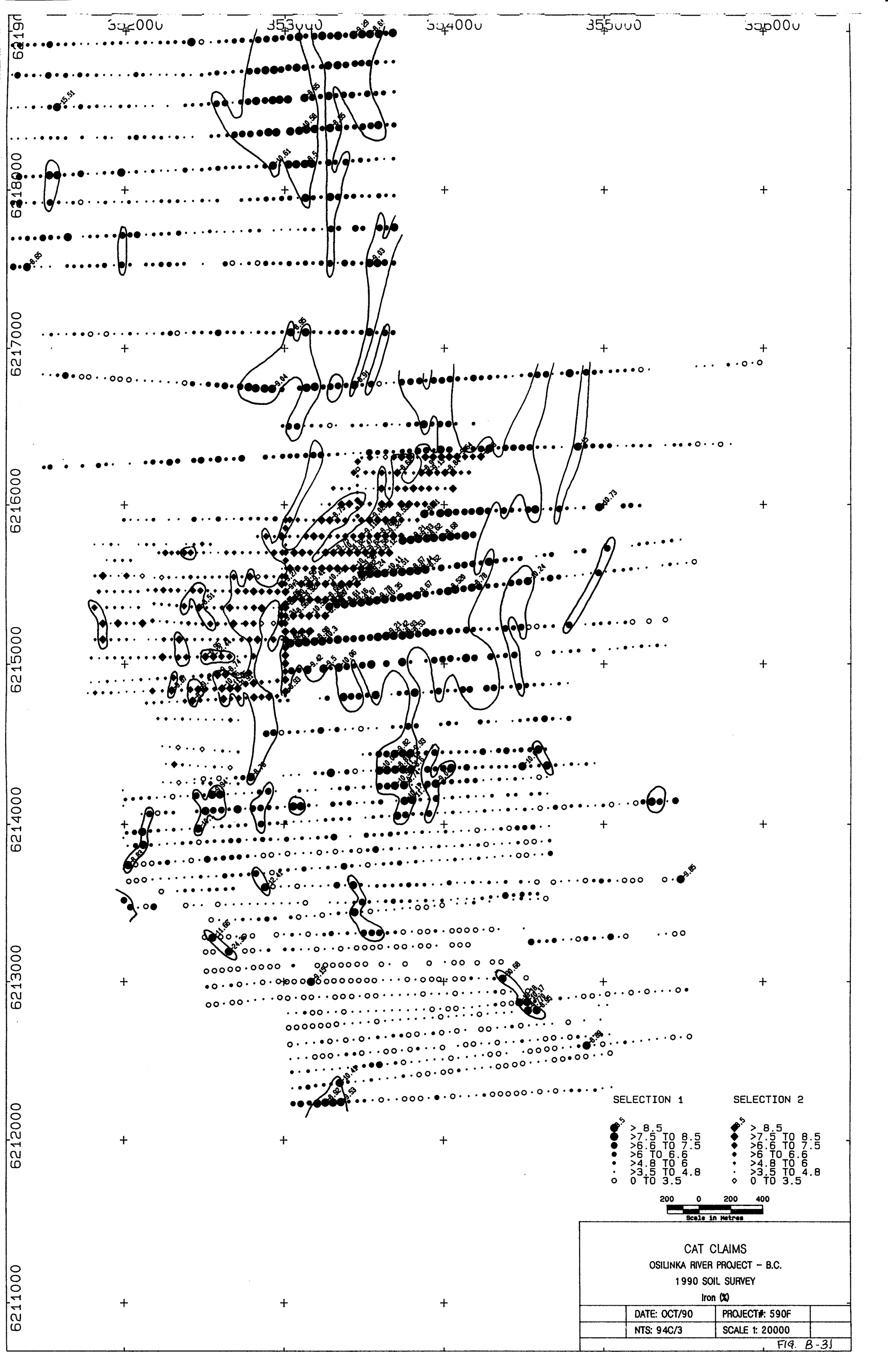
FIG. B-3j



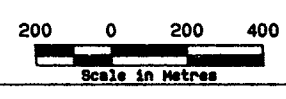
- | | |
|--|---|
| <p>SELECTION 1</p> <ul style="list-style-type: none"> ● > 9 ● > 8 TO 9 ● > 7 TO 8 ● > 6 TO 7 ● > 4 TO 6 ● > 2 TO 4 ○ 0 TO 2 | <p>SELECTION 2</p> <ul style="list-style-type: none"> ◆ > 9 ◆ > 7 TO 9 ◆ > 6 TO 7 ◆ > 4 TO 6 ◆ > 2 TO 4 ◇ 0 TO 2 |
|--|---|

200 0 200 400
Scale in Metres

| | | | |
|---|--------------|----------------|--|
| <p>CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Tungsten (ppm)</p> | | | |
| | DATE: OCT/90 | PROJECT#: 590F | |
| | NTS: 94C/3 | SCALE 1: 20000 | |
| FIG. B-3K | | | |



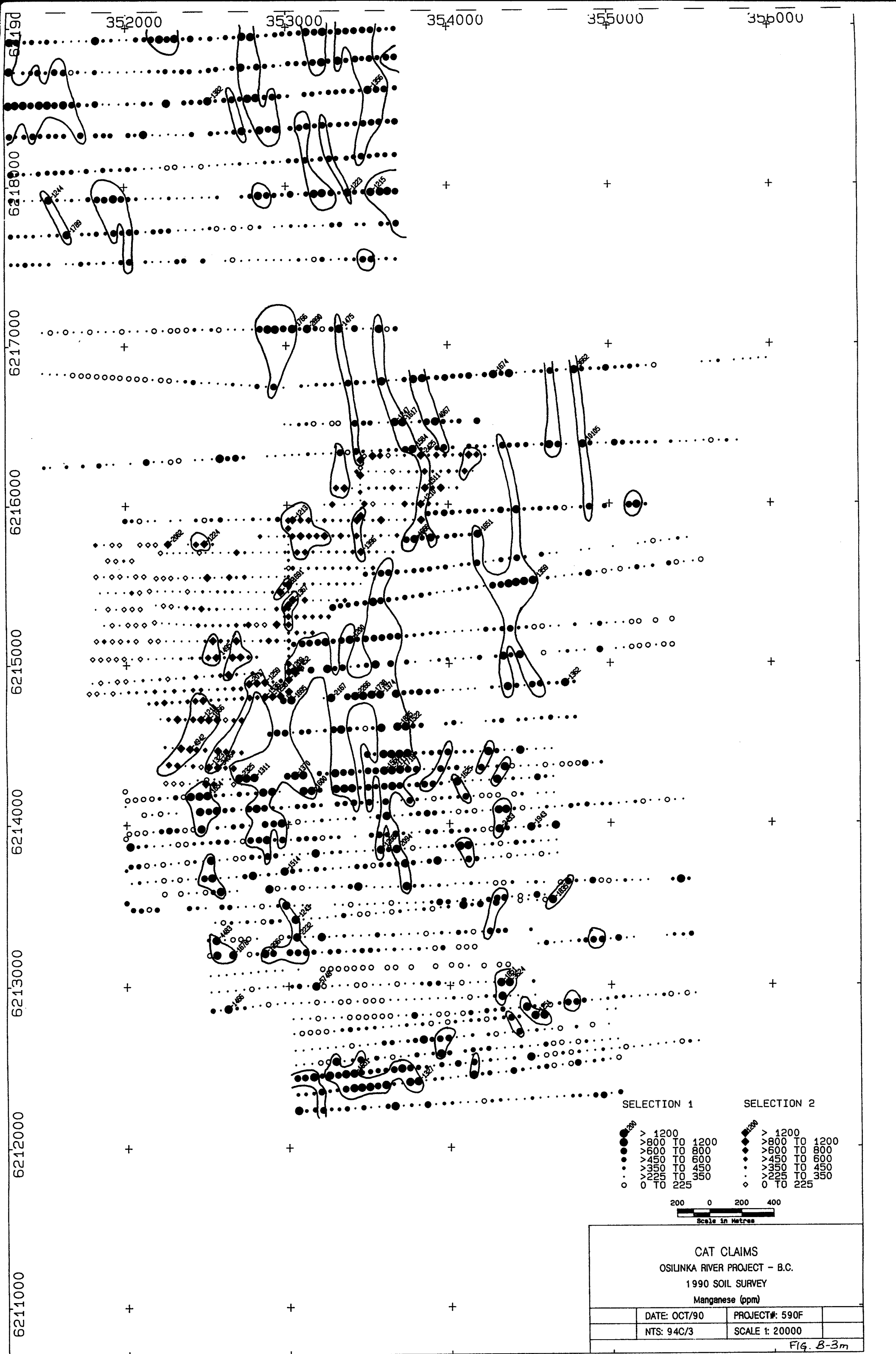
- | | |
|--|--|
| <p>SELECTION 1</p> <ul style="list-style-type: none"> ● > 8.5 ● > 7.5 TO 8.5 ● > 6.6 TO 7.5 ● > 6 TO 6.6 ● > 4.8 TO 6 ● > 3.5 TO 4.8 ○ 0 TO 3.5 | <p>SELECTION 2</p> <ul style="list-style-type: none"> ● > 8.5 ● > 7.5 TO 8.5 ● > 6.6 TO 7.5 ● > 6 TO 6.6 ● > 4.8 TO 6 ● > 3.5 TO 4.8 ○ 0 TO 3.5 |
|--|--|



CAT CLAIMS
 OSILINKA RIVER PROJECT - B.C.
 1990 SOIL SURVEY
 Iron (X)

| | |
|--------------|----------------|
| DATE: OCT/90 | PROJECT#: 590F |
| NTS: 94C/3 | SCALE 1: 20000 |

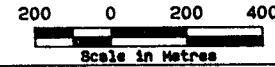
FIG. B-31



352000 353000 354000 355000 356000

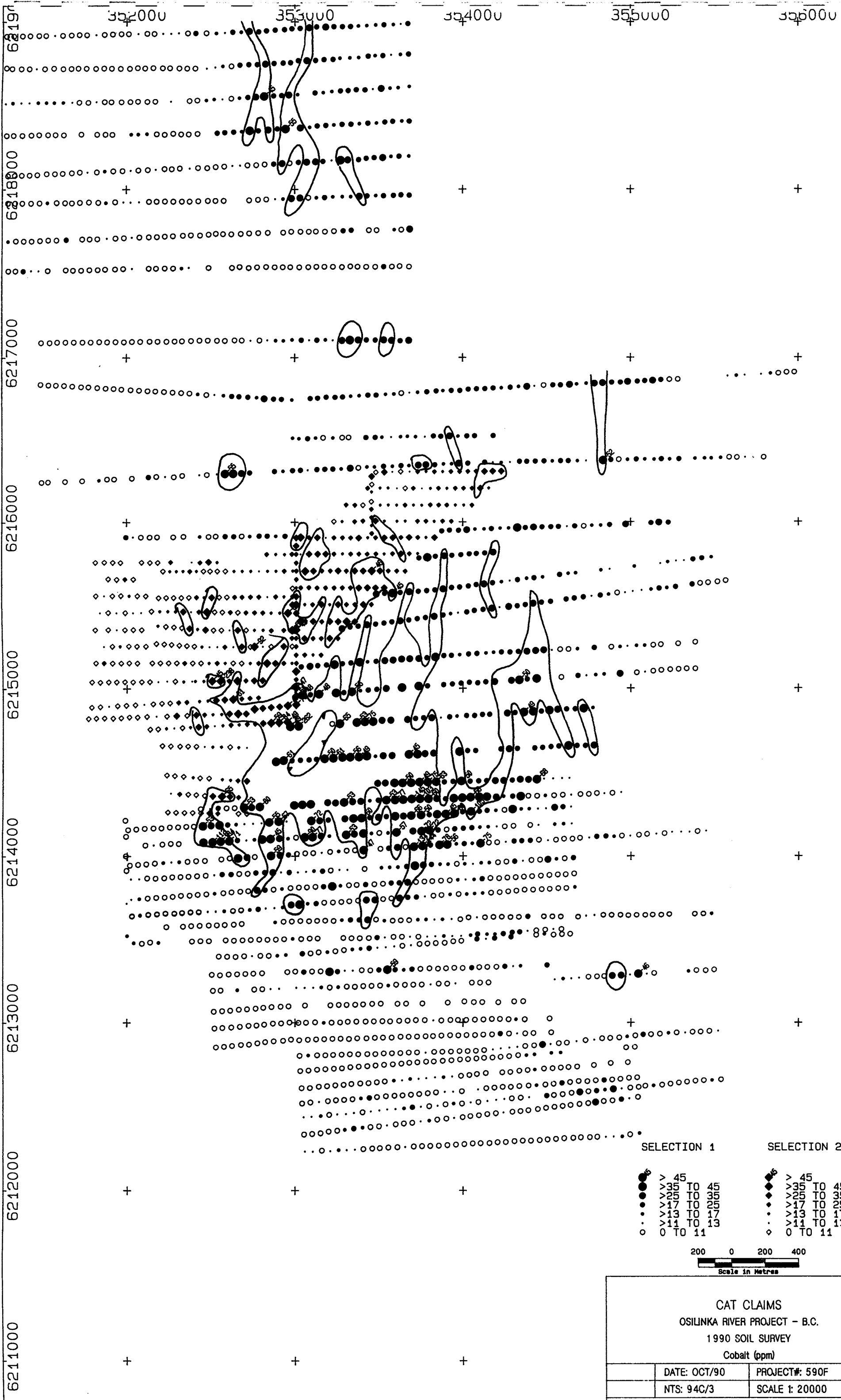
621900
621800
621700
621600
621500
621400
621300
621200
621100

- | | |
|--|--|
| <p>SELECTION 1</p> <ul style="list-style-type: none"> ● > 1200 ● > 800 TO 1200 ● > 600 TO 800 ● > 450 TO 600 ● > 350 TO 450 ● > 225 TO 350 ○ 0 TO 225 | <p>SELECTION 2</p> <ul style="list-style-type: none"> ● > 1200 ● > 800 TO 1200 ● > 600 TO 800 ● > 450 TO 600 ● > 350 TO 450 ● > 225 TO 350 ○ 0 TO 225 |
|--|--|



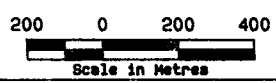
| | | | |
|--|--------------|----------------|--|
| <p>CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Manganese (ppm)</p> | | | |
| | DATE: OCT/90 | PROJECT#: 590F | |
| | NTS: 94C/3 | SCALE 1: 20000 | |

Fig. B-3m

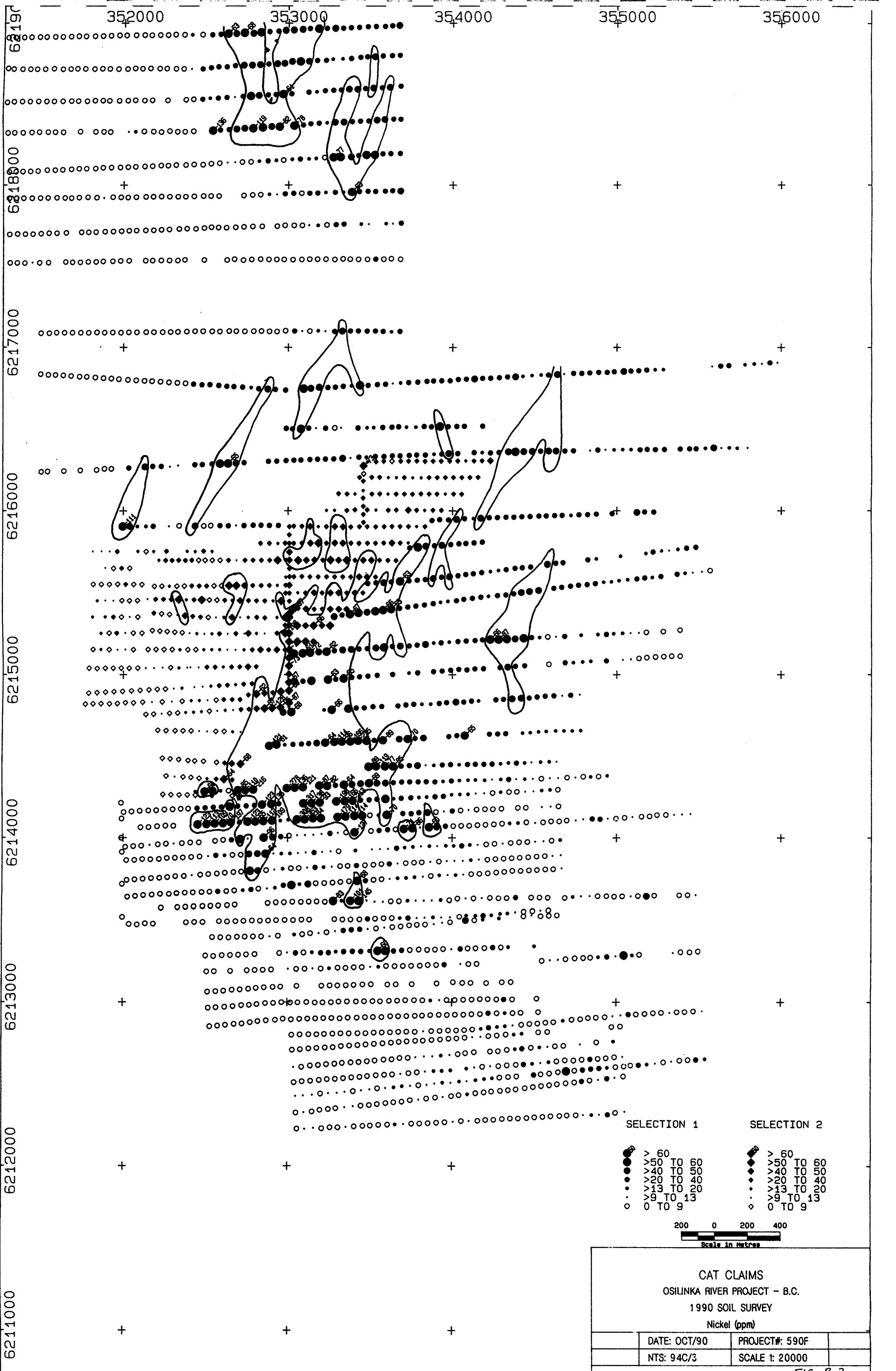


SELECTION 1 SELECTION 2

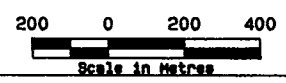
- | | | | |
|---|-----------|---|-----------|
| ● | > 45 | ● | > 45 |
| ● | >35 TO 45 | ● | >35 TO 45 |
| ● | >25 TO 35 | ● | >25 TO 35 |
| ● | >17 TO 25 | ● | >17 TO 25 |
| ● | >13 TO 17 | ● | >13 TO 17 |
| ● | >11 TO 13 | ● | >11 TO 13 |
| ○ | 0 TO 11 | ○ | 0 TO 11 |



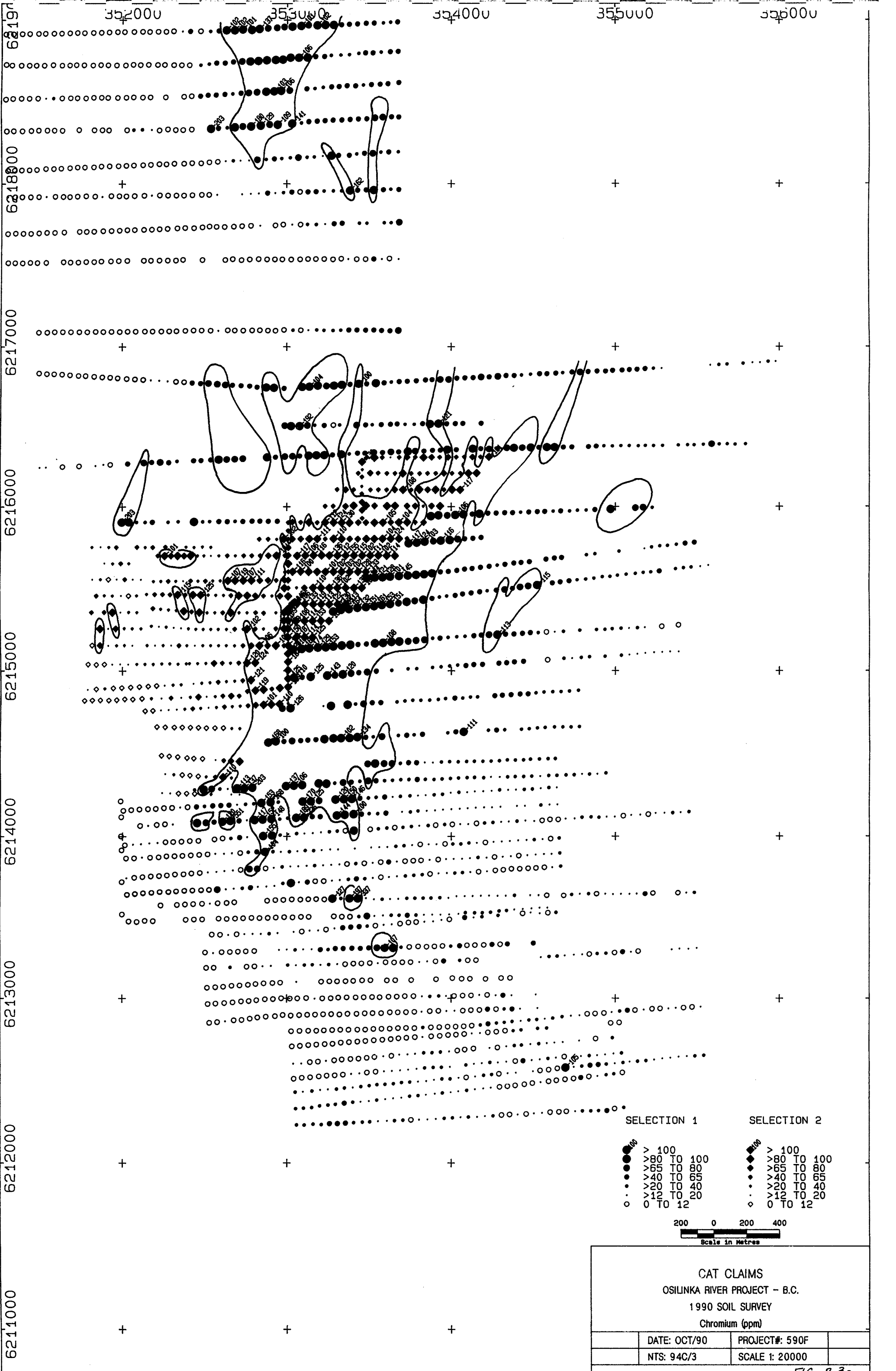
| | | | |
|--|----------------|--|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Cobalt (ppm) | | | |
| DATE: OCT/90 | PROJECT#: 590F | | |
| NTS: 94C/3 | SCALE 1: 20000 | | |



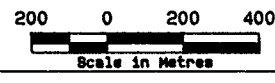
- | | |
|--------------|--------------|
| SELECTION 1 | SELECTION 2 |
| ● > 60 | ◆ > 60 |
| ● > 50 TO 60 | ◆ > 50 TO 60 |
| ● > 40 TO 50 | ◆ > 40 TO 50 |
| ● > 20 TO 40 | ◆ > 20 TO 40 |
| ● > 13 TO 20 | ◆ > 13 TO 20 |
| ● > 9 TO 13 | ◆ > 9 TO 13 |
| ○ 0 TO 9 | ◇ 0 TO 9 |



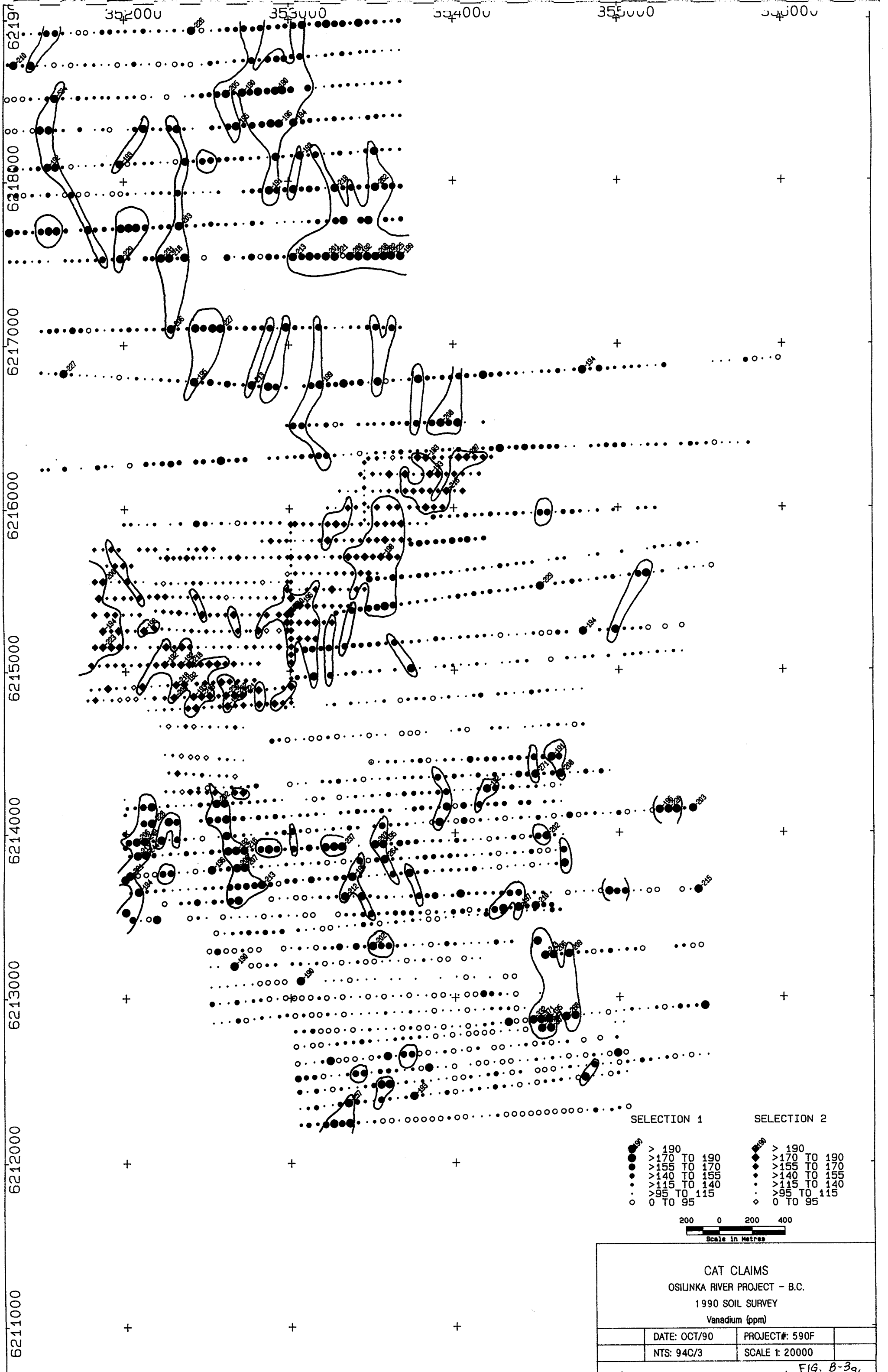
| | | | |
|--|----------------|--|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Nickel (ppm) | | | |
| DATE: OCT/90 | PROJECT#: 590F | | |
| NTS: 94C/3 | SCALE 1: 20000 | | |



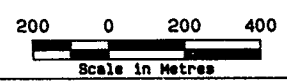
- | | |
|--|--|
| <p>SELECTION 1</p> <ul style="list-style-type: none"> ● > 100 ● > 80 TO 100 ● > 65 TO 80 ● > 40 TO 65 ● > 20 TO 40 ● > 12 TO 20 ○ 0 TO 12 | <p>SELECTION 2</p> <ul style="list-style-type: none"> ◆ > 100 ◆ > 80 TO 100 ◆ > 65 TO 80 ◆ > 40 TO 65 ◆ > 20 TO 40 ◆ > 12 TO 20 ◇ 0 TO 12 |
|--|--|



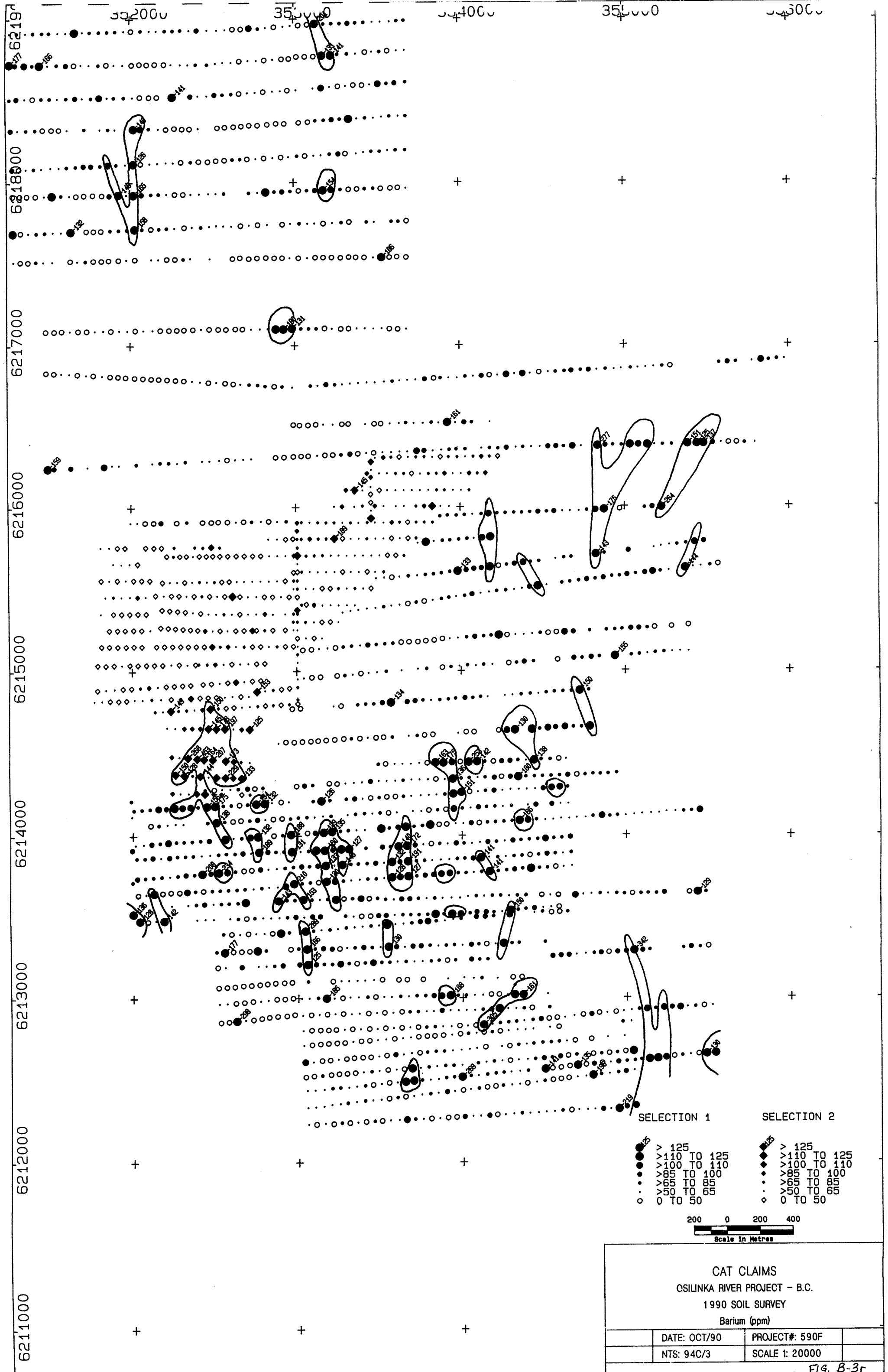
| | | | |
|---|--------------|----------------|--|
| <p>CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Chromium (ppm)</p> | | | |
| | DATE: OCT/90 | PROJECT#: 590F | |
| | NTS: 94C/3 | SCALE 1: 20000 | |



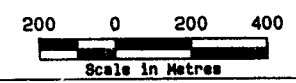
- | | |
|---|---|
| <p>SELECTION 1</p> <ul style="list-style-type: none"> ● > 190 ● >170 TO 190 ● >155 TO 170 ● >140 TO 155 ● >115 TO 140 ● >95 TO 115 ○ 0 TO 95 | <p>SELECTION 2</p> <ul style="list-style-type: none"> ◆ > 190 ◆ >170 TO 190 ◆ >155 TO 170 ◆ >140 TO 155 ◆ >115 TO 140 ◆ >95 TO 115 ◇ 0 TO 95 |
|---|---|



| | | |
|---|----------------|--|
| <p>CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Vanadium (ppm)</p> | | |
| DATE: OCT/90 | PROJECT#: 590F | |
| NTS: 94C/3 | SCALE 1: 20000 | |



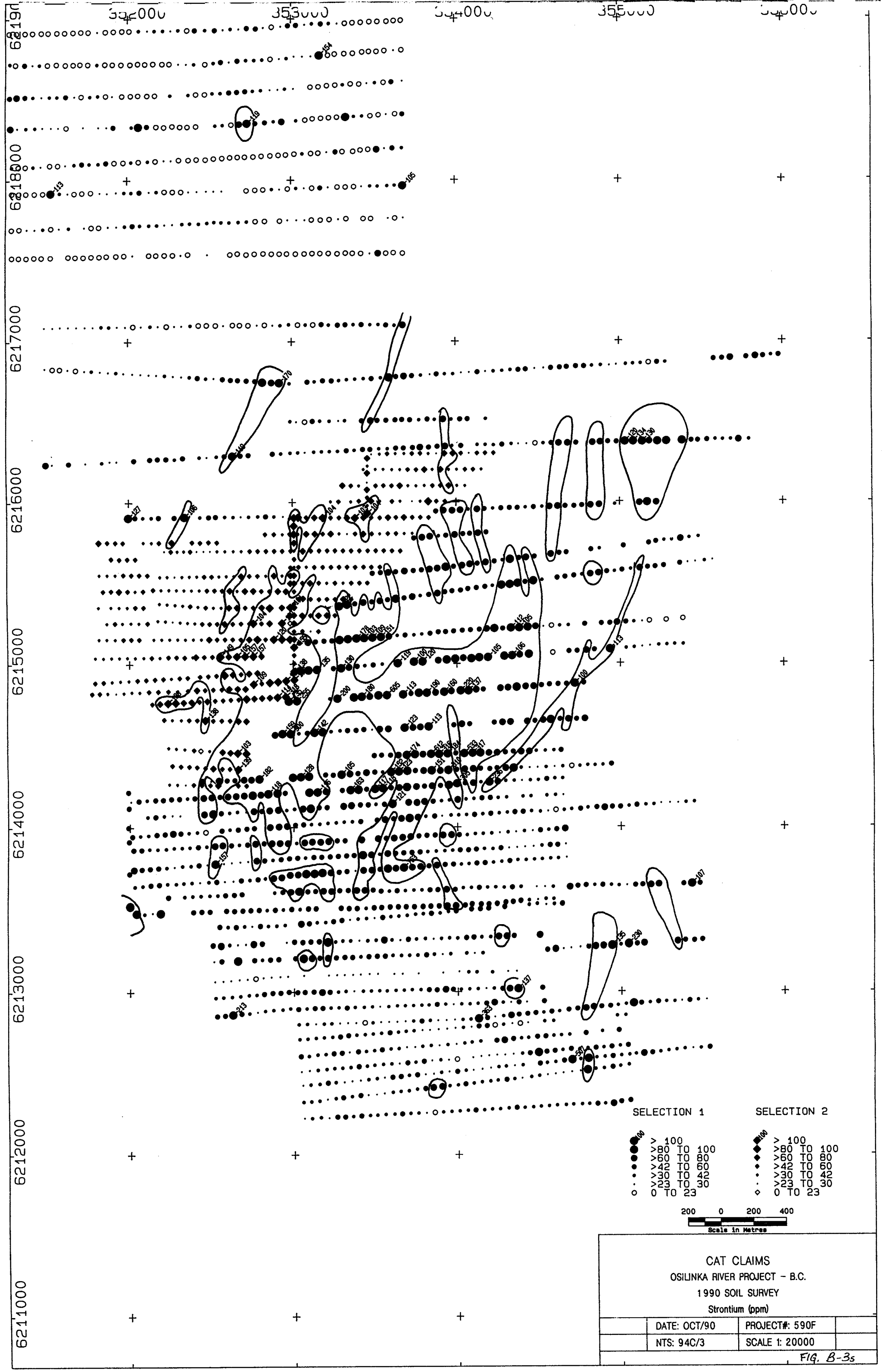
- | | | | |
|---|--------------|---|--------------|
| ● | > 125 | ◆ | > 125 |
| ● | > 110 TO 125 | ◆ | > 110 TO 125 |
| ● | > 100 TO 110 | ◆ | > 100 TO 110 |
| ● | > 85 TO 100 | ◆ | > 85 TO 100 |
| ● | > 65 TO 85 | ◆ | > 65 TO 85 |
| ● | > 50 TO 65 | ◆ | > 50 TO 65 |
| ○ | 0 TO 50 | ◇ | 0 TO 50 |



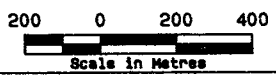
CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Barium (ppm)

| | |
|--------------|----------------|
| DATE: OCT/90 | PROJECT#: 590F |
| NTS: 94C/3 | SCALE 1: 20000 |

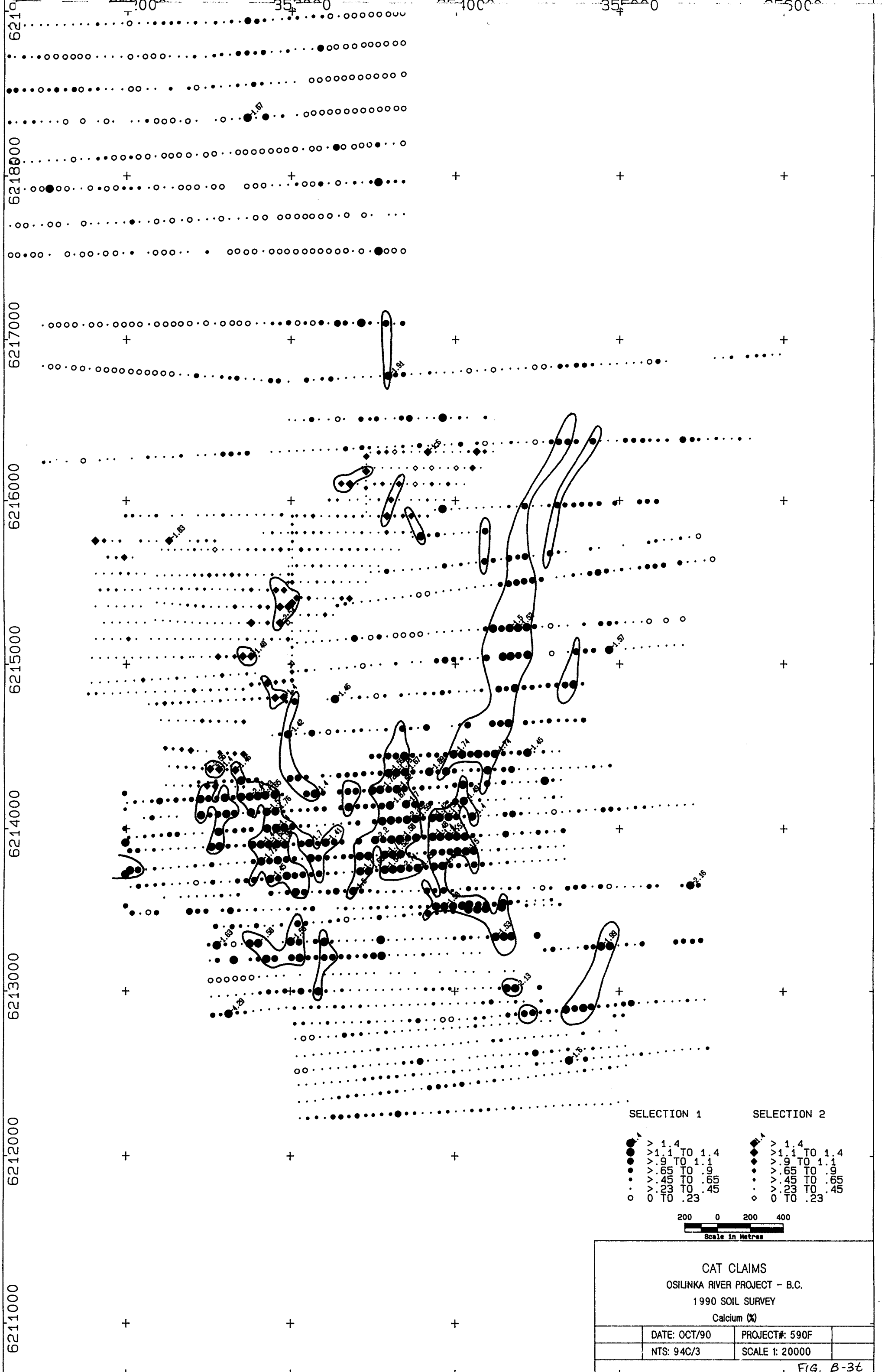
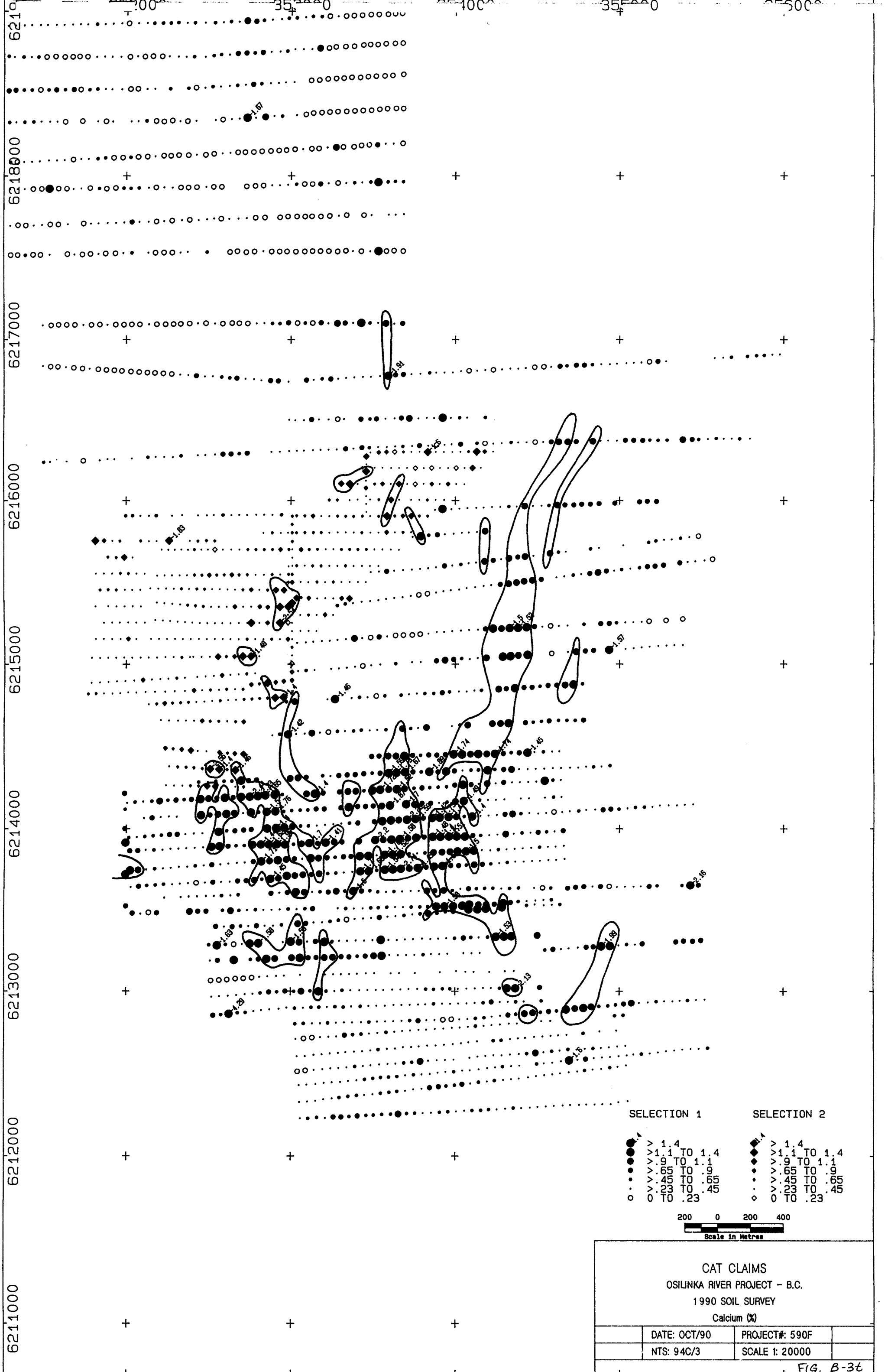
FIG. B-3r



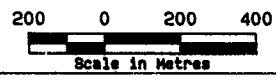
| | |
|---------------|---------------|
| SELECTION 1 | SELECTION 2 |
| ● > 100 | ● > 100 |
| ● > 80 TO 100 | ● > 80 TO 100 |
| ● > 60 TO 80 | ● > 60 TO 80 |
| ● > 42 TO 60 | ● > 42 TO 60 |
| ● > 30 TO 42 | ● > 30 TO 42 |
| ● > 23 TO 30 | ● > 23 TO 30 |
| ○ 0 TO 23 | ○ 0 TO 23 |



| | | | |
|---|----------------|--|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Strontium (ppm) | | | |
| DATE: OCT/90 | PROJECT#: 590F | | |
| NTS: 94C/3 | SCALE 1: 20000 | | |
| FIG. B-3s | | | |

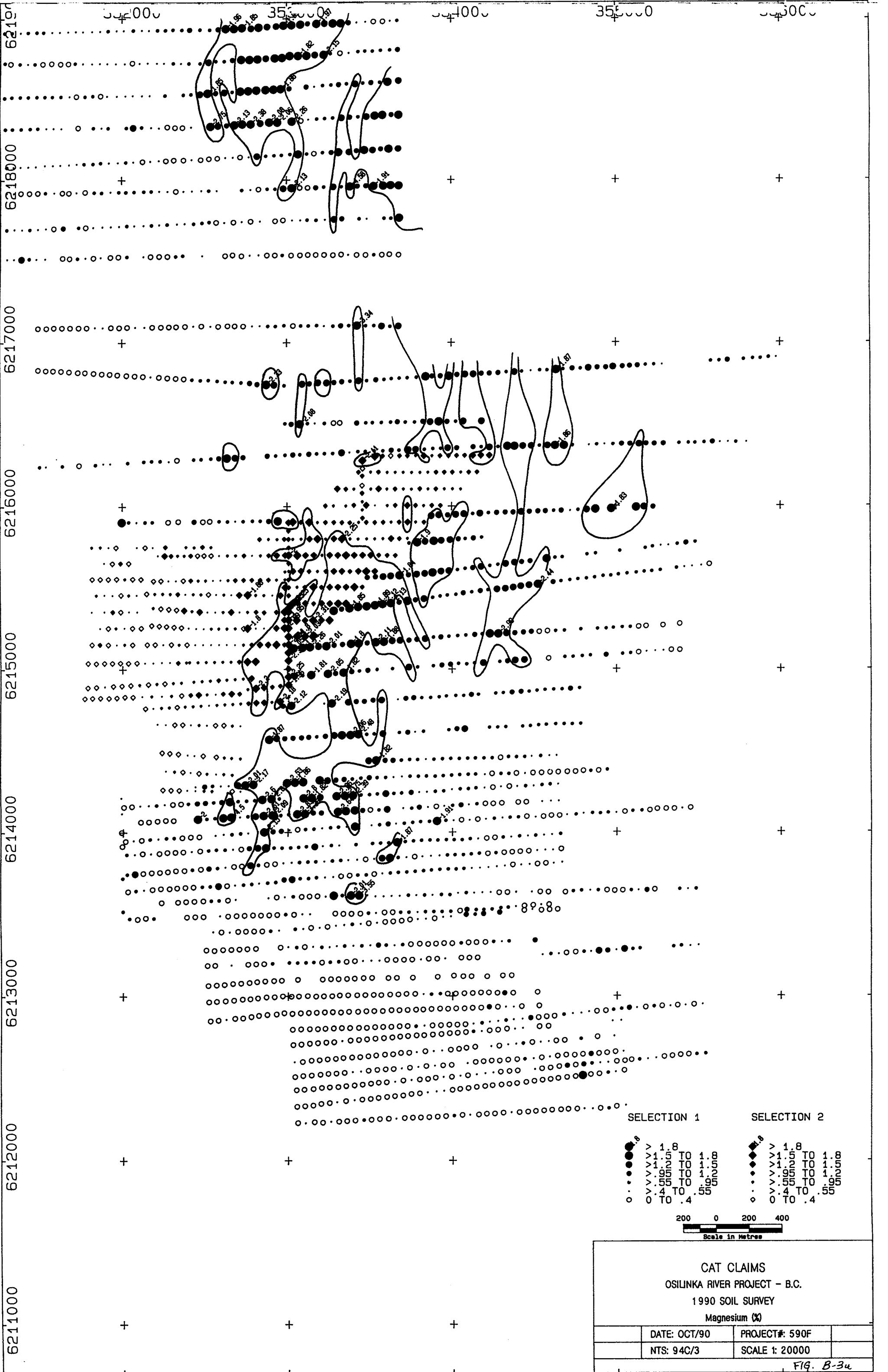


| SELECTION 1 | SELECTION 2 |
|----------------|----------------|
| ● > 1.4 | ◆ > 1.4 |
| ● > 1.1 TO 1.4 | ◆ > 1.1 TO 1.4 |
| ● > .9 TO 1.1 | ◆ > .9 TO 1.1 |
| ● > .65 TO .9 | ◆ > .65 TO .9 |
| ● > .45 TO .65 | ◆ > .45 TO .65 |
| ● > .23 TO .45 | ◆ > .23 TO .45 |
| ○ 0 TO .23 | ◇ 0 TO .23 |

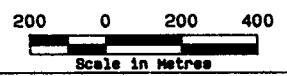


| | | |
|---|----------------|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Calcium (%) | | |
| DATE: OCT/90 | PROJECT#: 590F | |
| NTS: 94C/3 | SCALE 1: 20000 | |

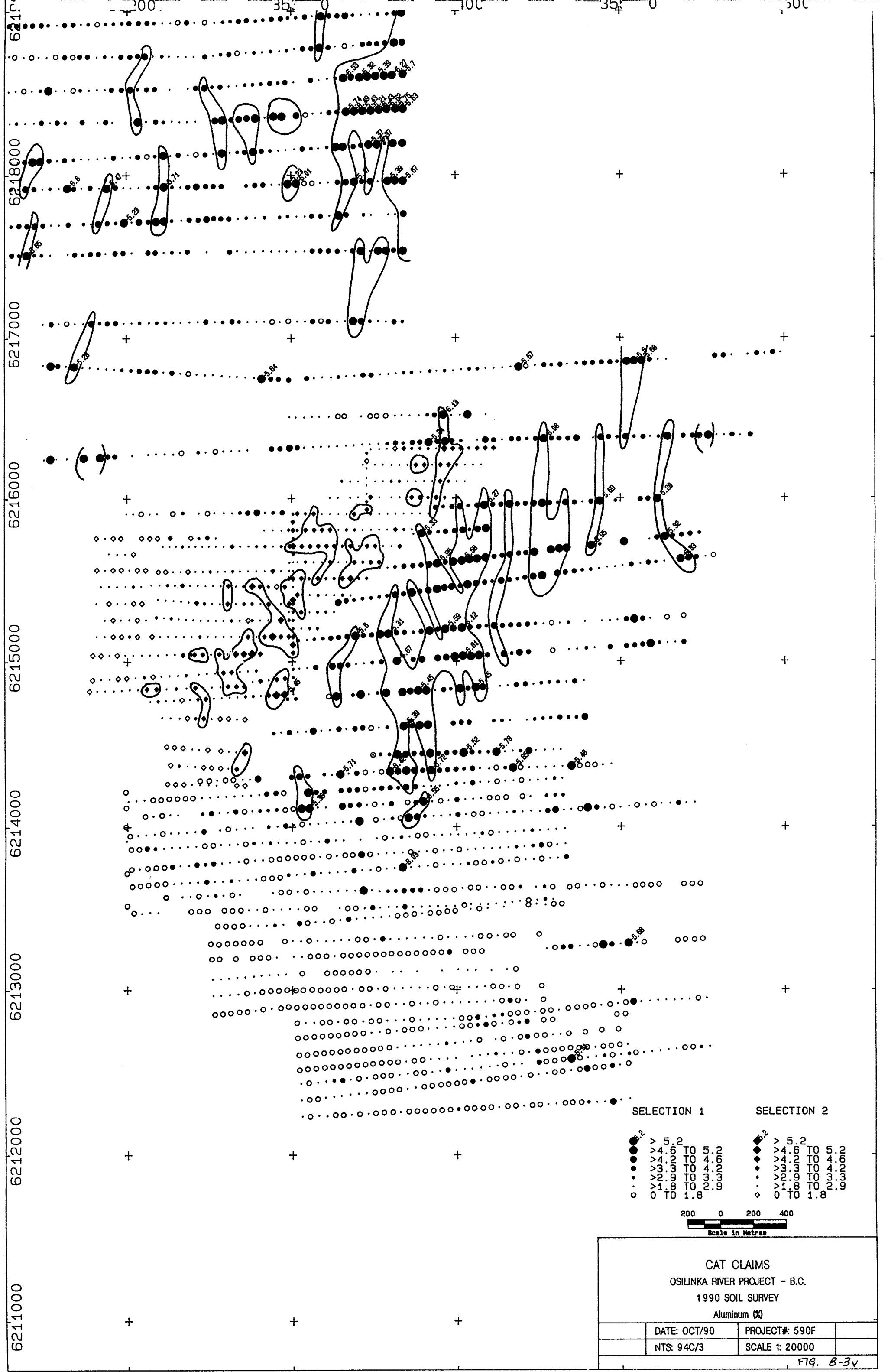
FIG. B-36



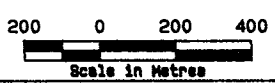
| | |
|----------------|----------------|
| SELECTION 1 | SELECTION 2 |
| ● > 1.8 | ● > 1.8 |
| ● > 1.5 TO 1.8 | ● > 1.5 TO 1.8 |
| ● > 1.2 TO 1.5 | ● > 1.2 TO 1.5 |
| ● > .95 TO 1.2 | ● > .95 TO 1.2 |
| ● > .55 TO .95 | ● > .55 TO .95 |
| ○ > .4 TO .55 | ○ > .4 TO .55 |
| ○ 0 TO .4 | ○ 0 TO .4 |



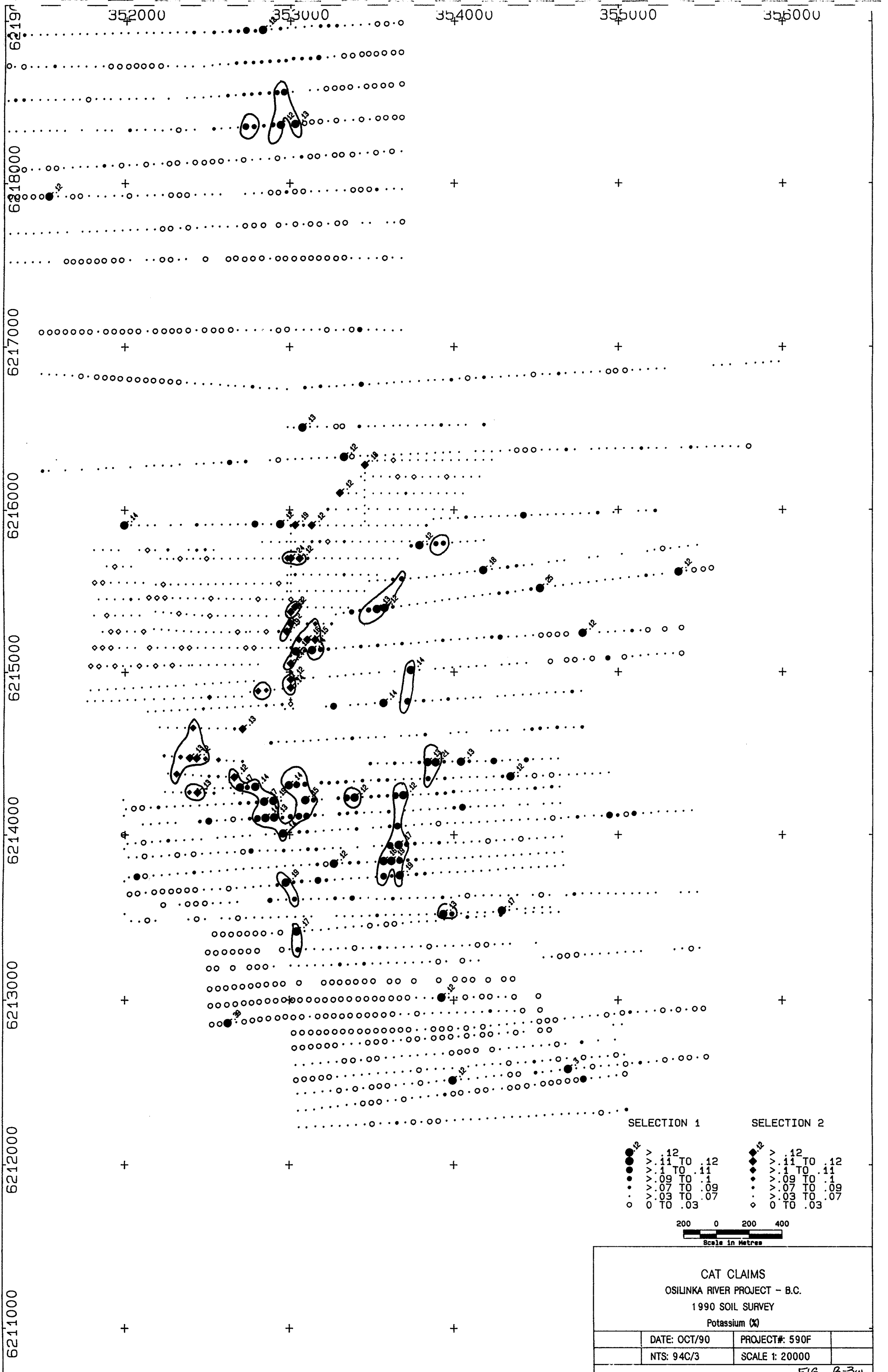
| | | | |
|-------------------------------|----------------|--|--|
| CAT CLAIMS | | | |
| OSILINKA RIVER PROJECT - B.C. | | | |
| 1990 SOIL SURVEY | | | |
| Magnesium (%) | | | |
| DATE: OCT/90 | PROJECT#: 590F | | |
| NTS: 94C/3 | SCALE 1: 20000 | | |



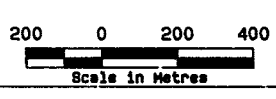
| SELECTION 1 | | SELECTION 2 | |
|-------------|------------|-------------|------------|
| ● | > 5.2 | ◆ | > 5.2 |
| ● | 4.5 TO 5.2 | ◆ | 4.5 TO 5.2 |
| ● | 4.0 TO 4.5 | ◆ | 4.0 TO 4.5 |
| ● | 3.5 TO 4.0 | ◆ | 3.5 TO 4.0 |
| ● | 3.0 TO 3.5 | ◆ | 3.0 TO 3.5 |
| ● | 2.5 TO 3.0 | ◆ | 2.5 TO 3.0 |
| ● | 2.0 TO 2.5 | ◆ | 2.0 TO 2.5 |
| ● | 1.8 TO 2.0 | ◆ | 1.8 TO 2.0 |
| ○ | 0 TO 1.8 | ◇ | 0 TO 1.8 |



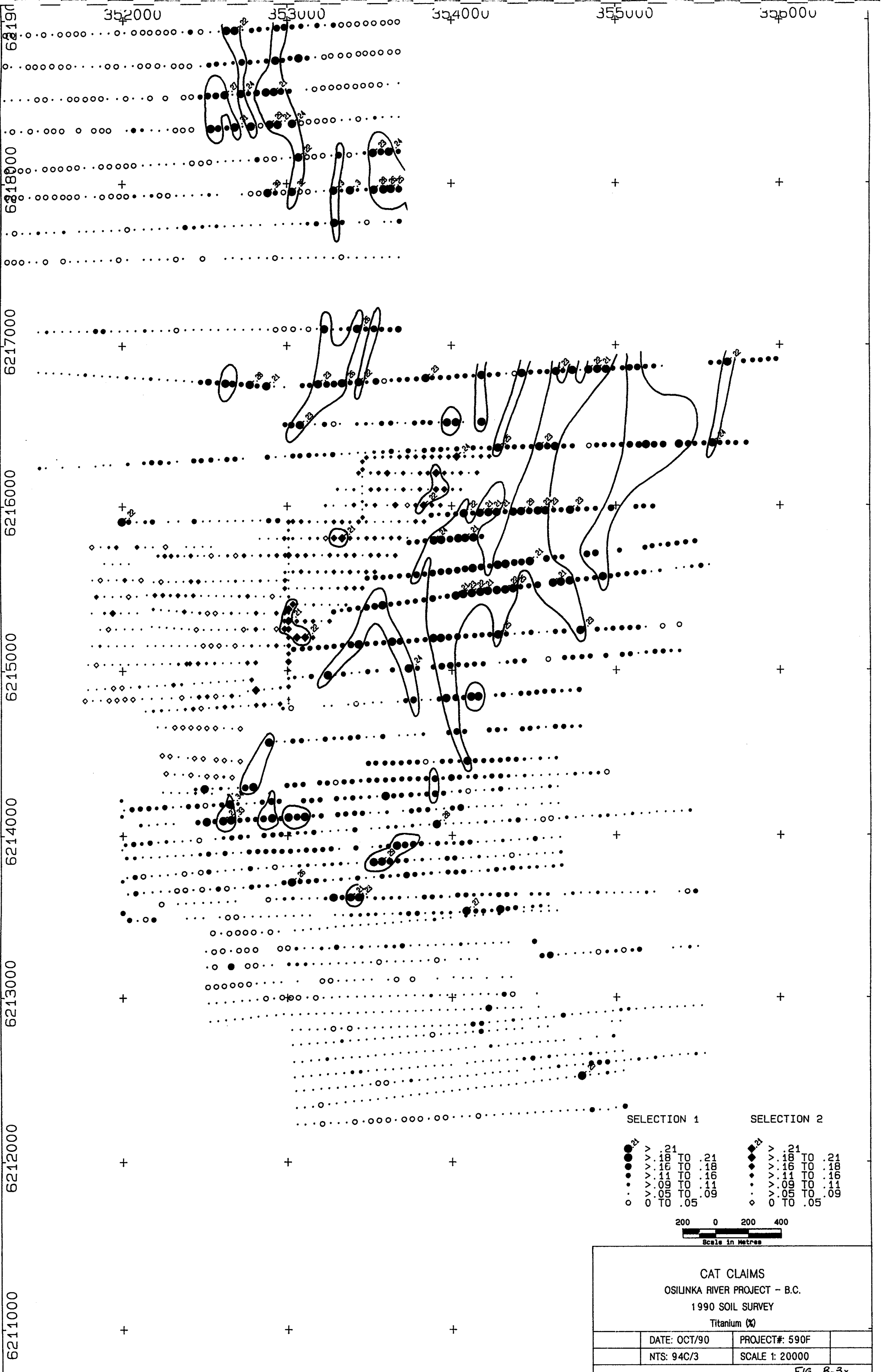
| | | |
|--|----------------|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Aluminum (%) | | |
| DATE: OCT/90 | PROJECT#: 590F | |
| NTS: 94C/3 | SCALE 1: 20000 | |



| | |
|----------------|----------------|
| SELECTION 1 | SELECTION 2 |
| ● > .12 | ◆ > .12 |
| ● > .11 TO .12 | ◆ > .11 TO .12 |
| ● > .1 TO .11 | ◆ > .1 TO .11 |
| ● > .09 TO .1 | ◆ > .09 TO .1 |
| ● > .07 TO .09 | ◆ > .07 TO .09 |
| ● > .03 TO .07 | ◆ > .03 TO .07 |
| ○ 0 TO .03 | ◇ 0 TO .03 |

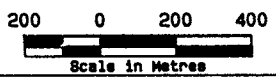
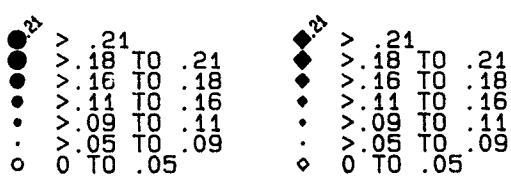


| | | | |
|-------------------------------|----------------|--|--|
| CAT CLAIMS | | | |
| OSILINKA RIVER PROJECT - B.C. | | | |
| 1990 SOIL SURVEY | | | |
| Potassium (%) | | | |
| DATE: OCT/90 | PROJECT#: 590F | | |
| NTS: 94C/3 | SCALE 1: 20000 | | |



SELECTION 1

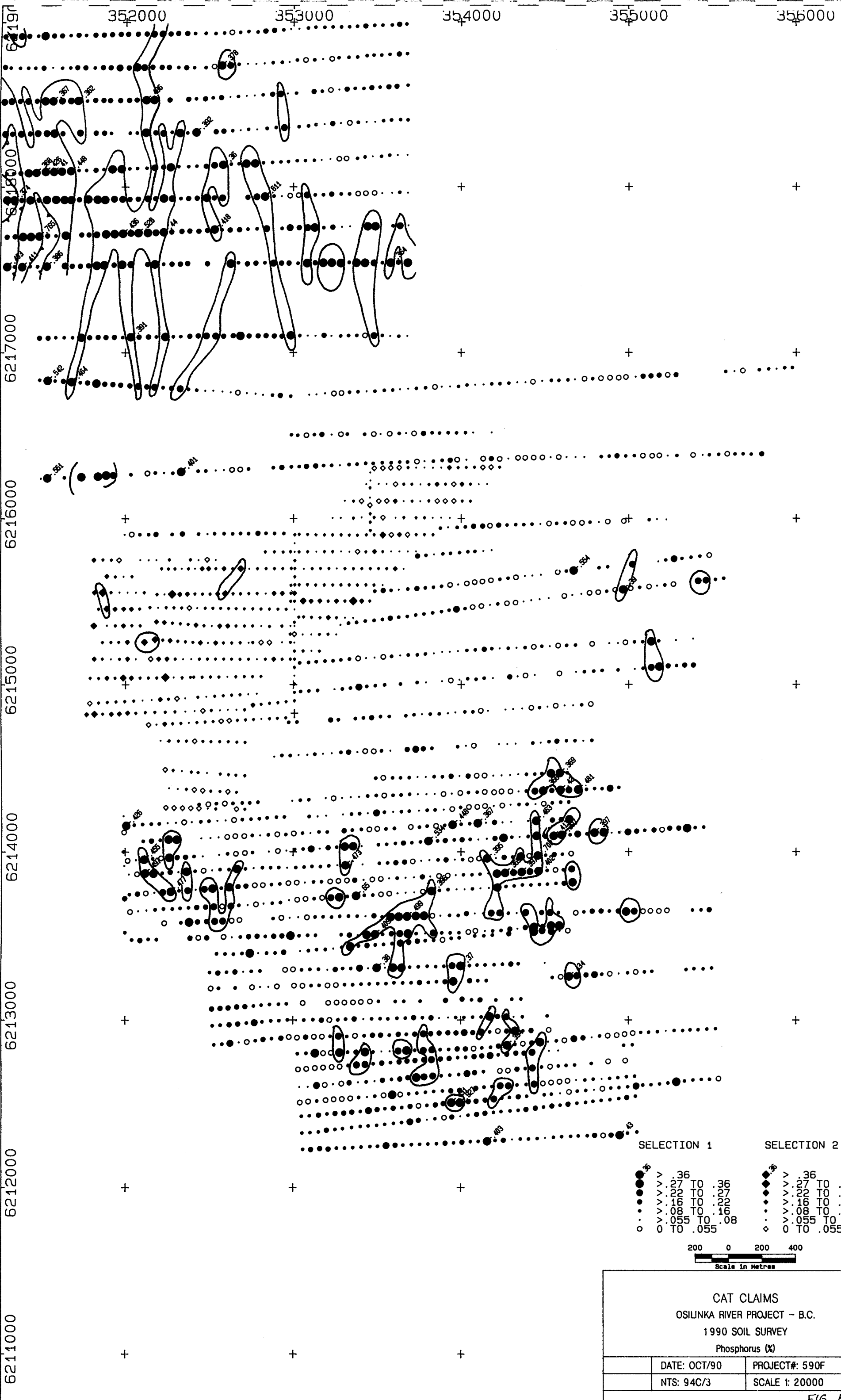
SELECTION 2



CAT CLAIMS
OSILINKA RIVER PROJECT - B.C.
1990 SOIL SURVEY
Titanium (%)

| | |
|--------------|----------------|
| DATE: OCT/90 | PROJECT#: 590F |
| NTS: 94C/3 | SCALE 1: 20000 |

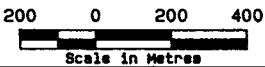
FIG. B-3x



SELECTION 1

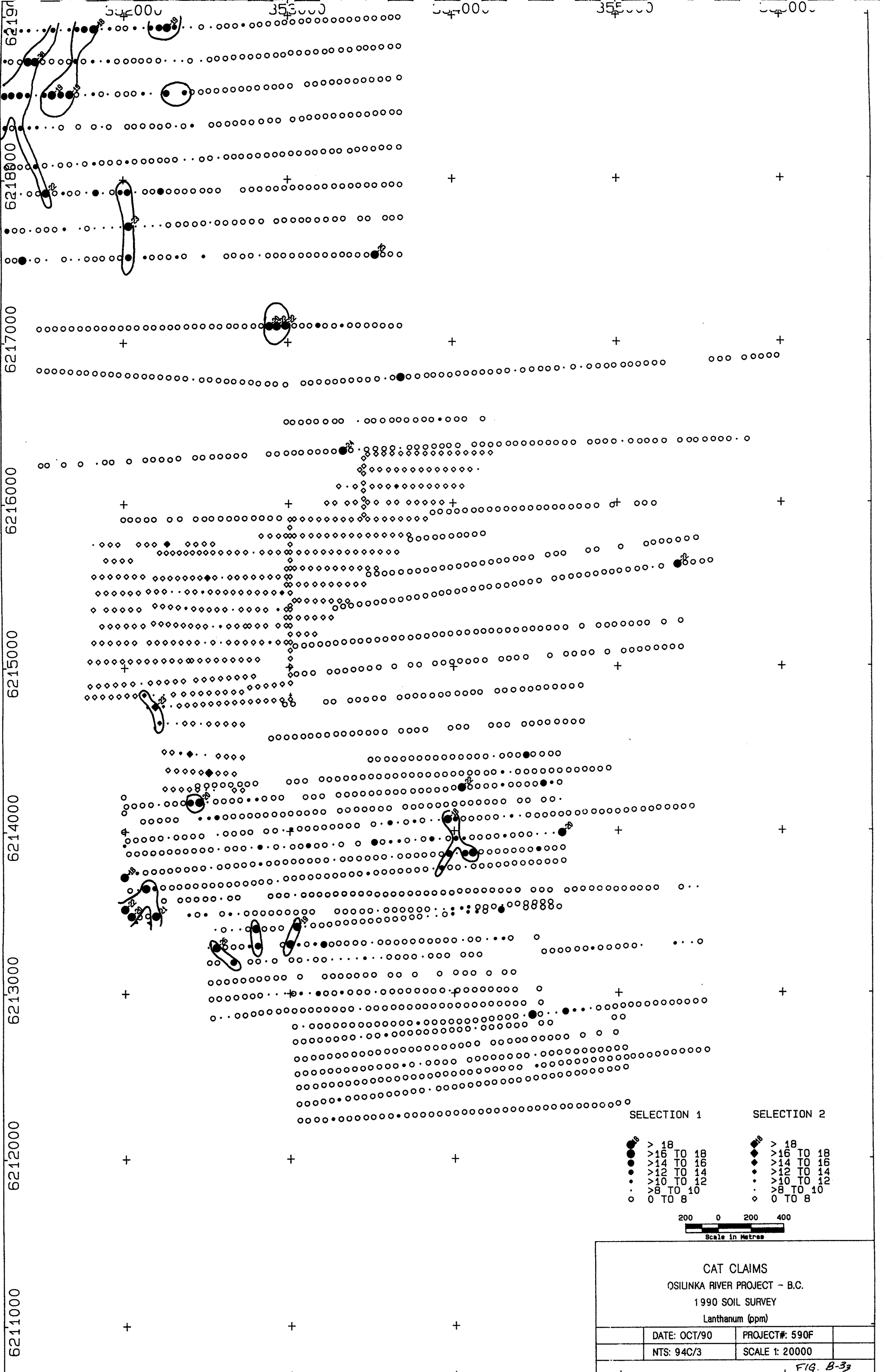
SELECTION 2

- > .36
- V .27 TO .36
- V .22 TO .27
- V .16 TO .22
- V .08 TO .16
- V .055 TO .08
- 0 TO .055

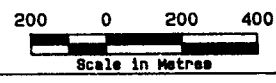


| | | |
|--|----------------|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Phosphorus (%) | | |
| DATE: OCT/90 | PROJECT#: 590F | |
| NTS: 94C/3 | SCALE 1: 20000 | |

FIG. B-3y



| SELECTION 1 | | SELECTION 2 | |
|-------------|-----------|-------------|-----------|
| ● | > 18 | ● | > 18 |
| ● | >16 TO 18 | ◆ | >16 TO 18 |
| ● | >14 TO 16 | ◆ | >14 TO 16 |
| ● | >12 TO 14 | ● | >12 TO 14 |
| ● | >10 TO 12 | ● | >10 TO 12 |
| ● | >8 TO 10 | ● | >8 TO 10 |
| ○ | 0 TO 8 | ◇ | 0 TO 8 |

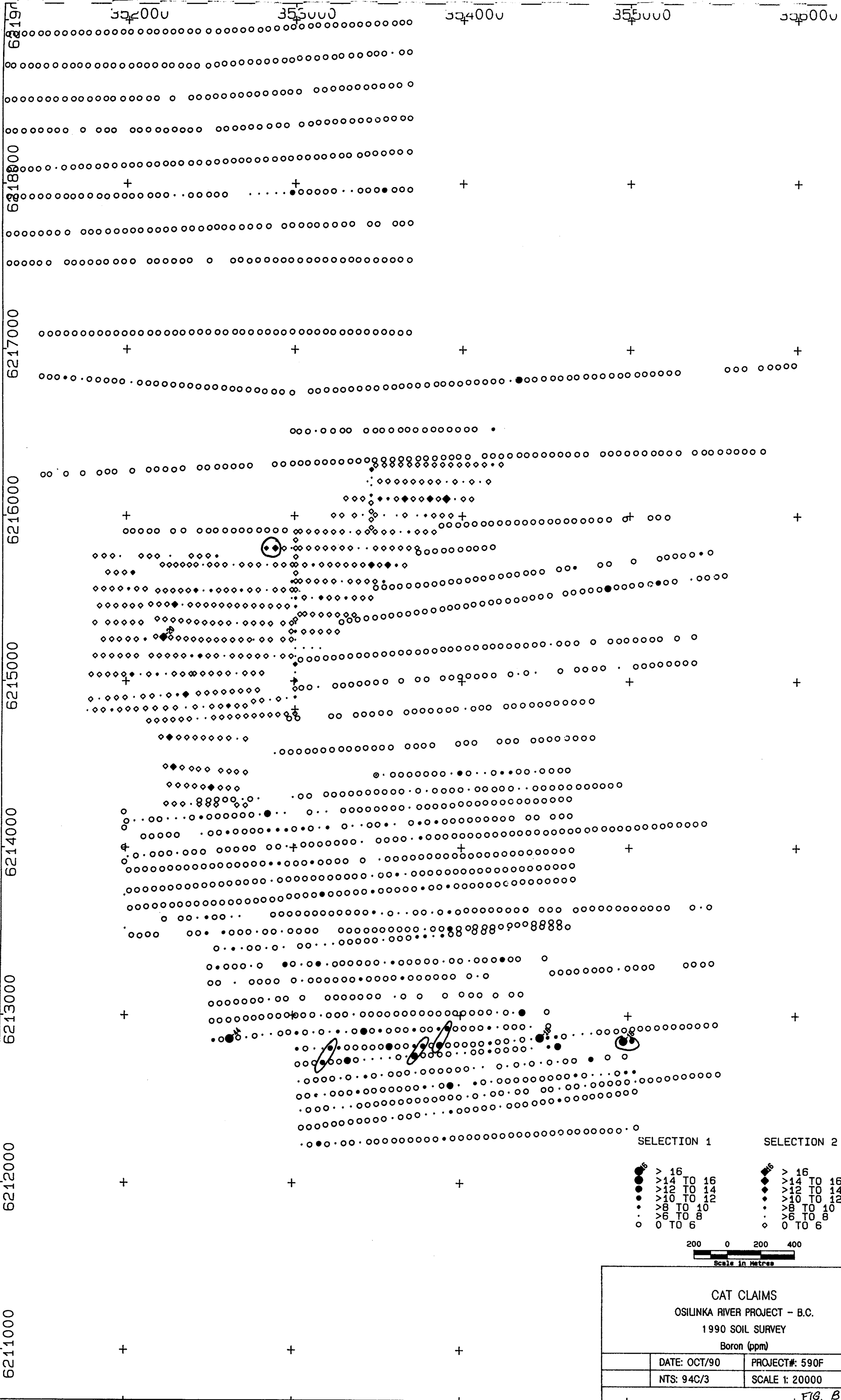


CAT CLAIMS
 OSILINKA RIVER PROJECT - B.C.
 1990 SOIL SURVEY
 Lanthanum (ppm)

| | |
|--------------|----------------|
| DATE: OCT/90 | PROJECT#: 590F |
| NTS: 94C/3 | SCALE 1: 20000 |

FIG. B-3g

332000 353000 334000 355000 336000



- | | |
|--------------|--------------|
| SELECTION 1 | SELECTION 2 |
| ● > 16 | ◆ > 16 |
| ● > 14 TO 16 | ◆ > 14 TO 16 |
| ● > 12 TO 14 | ◆ > 12 TO 14 |
| ● > 10 TO 12 | ◆ > 10 TO 12 |
| ● > 8 TO 10 | ◆ > 8 TO 10 |
| ● > 6 TO 8 | ◆ > 6 TO 8 |
| ○ 0 TO 6 | ◇ 0 TO 6 |

200 0 200 400
Scale in Metres

| | | | |
|--|----------------|--|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Boron (ppm) | | | |
| DATE: OCT/90 | PROJECT#: 590F | | |
| NTS: 94C/3 | SCALE 1: 20000 | | |
| FIG. B-3aa | | | |

352000

353000

354000

355000

356000

6218000

6217000

6216000

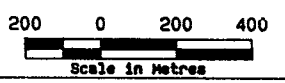
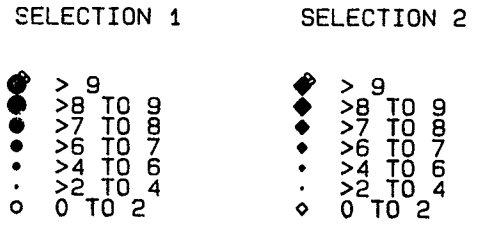
6215000

6214000

6213000

6212000

6211000



| | | |
|---|----------------|--|
| CAT CLAIMS OSILINKA RIVER PROJECT - B.C. 1990 SOIL SURVEY Thorium (ppm) | | |
| DATE: OCT/90 | PROJECT#: 590F | |
| NTS: 94C/3 | SCALE 1: 20000 | |
| FIG. B-36b | | |