

BATTLE MOUNTAIN (CANADA) INC.

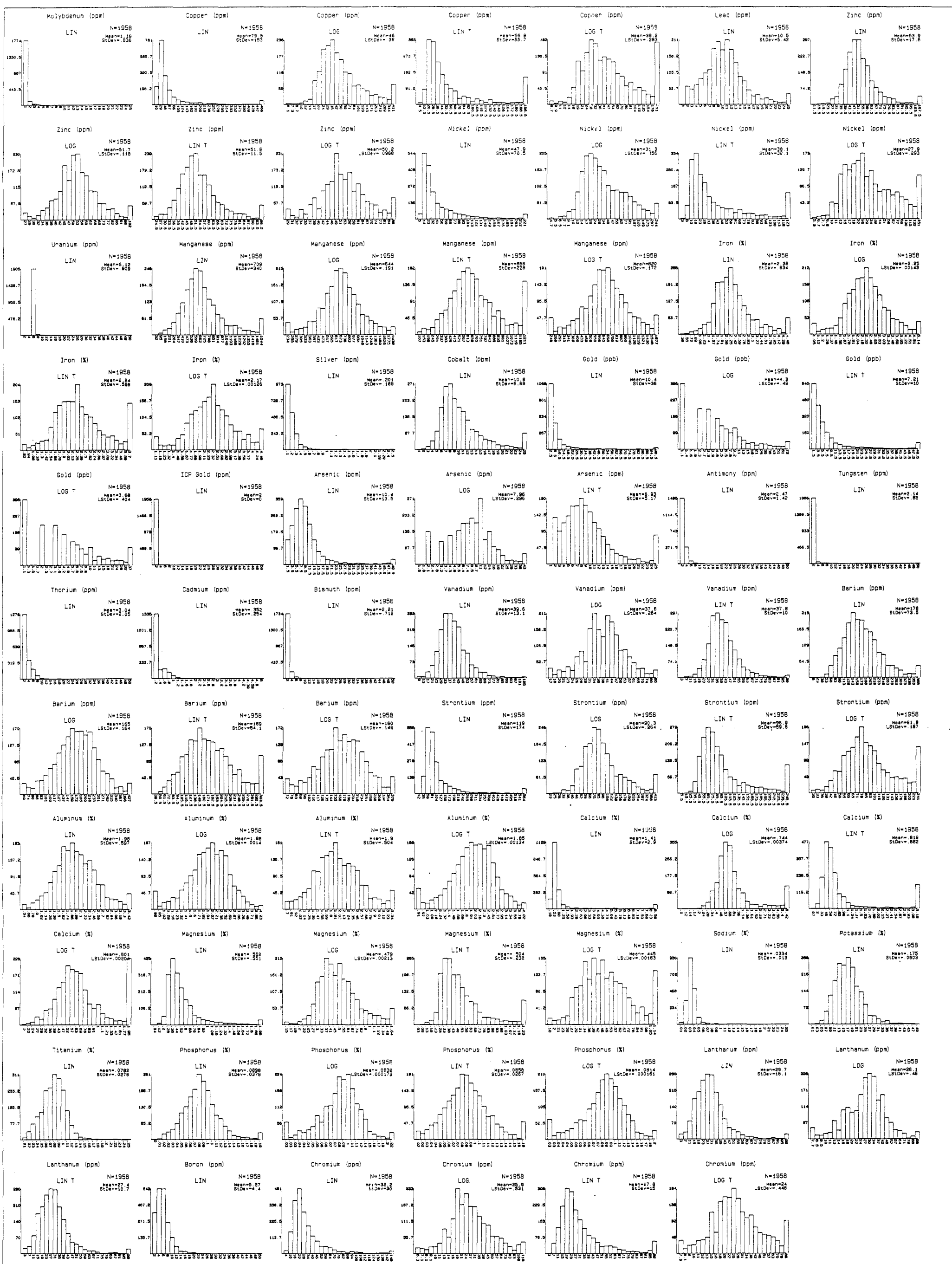
Midway Project

1990 Soil Survey

NTS 82E/2

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

2/3/5
82E/2
82
SC



DISTRIBUTION HISTOGRAMS

LIN = LINEAR
 LOG = LOGARITHMIC
 LINT= TRUNCATED LINEAR
 LOGT= TRUNCATED LOGARITHMIC

SAMPLE SELECTION CRITERIA:

SAMPLE TYPE 50
 PROPERTY CODE A
 LSE CODE ALL
 DB ORIGIN ALL
 SAMPLE TEXTURE ALL
 SOIL HORIZON ALL
 BEDROCK GEOLOGY ALL

NORTH LIMIT NONE
 SOUTH LIMIT NONE
 EAST LIMIT NONE
 WEST LIMIT NONE

MIDWAY GRID
 BATTLE MOUNTAIN CANADA INC.
 1990 SOIL SURVEY
 HISTOGRAMS

DATE: NOV/90

PROJECT#: 75-98

NTS:

FIG. 4

364000

365000

366000

367000

5433000

5432000

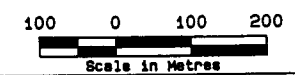
5431000

LEGEND

- EOCENE
 - Em Marron Formation
 - Ek Kettle River Formation
 - CRETACEOUS
 - K Porphyritic Intrusions
 - JURASSIC
 - J Ultramafic Intrusions
 - TRIASSIC
 - uT Brooklyn Fm.: conglomerate, limestone, mafic volcanics
 - uTs " " : skarn
 - UPPER PALEOZOIC
 - CPK Knob Hill Formation
- △ Drill hole

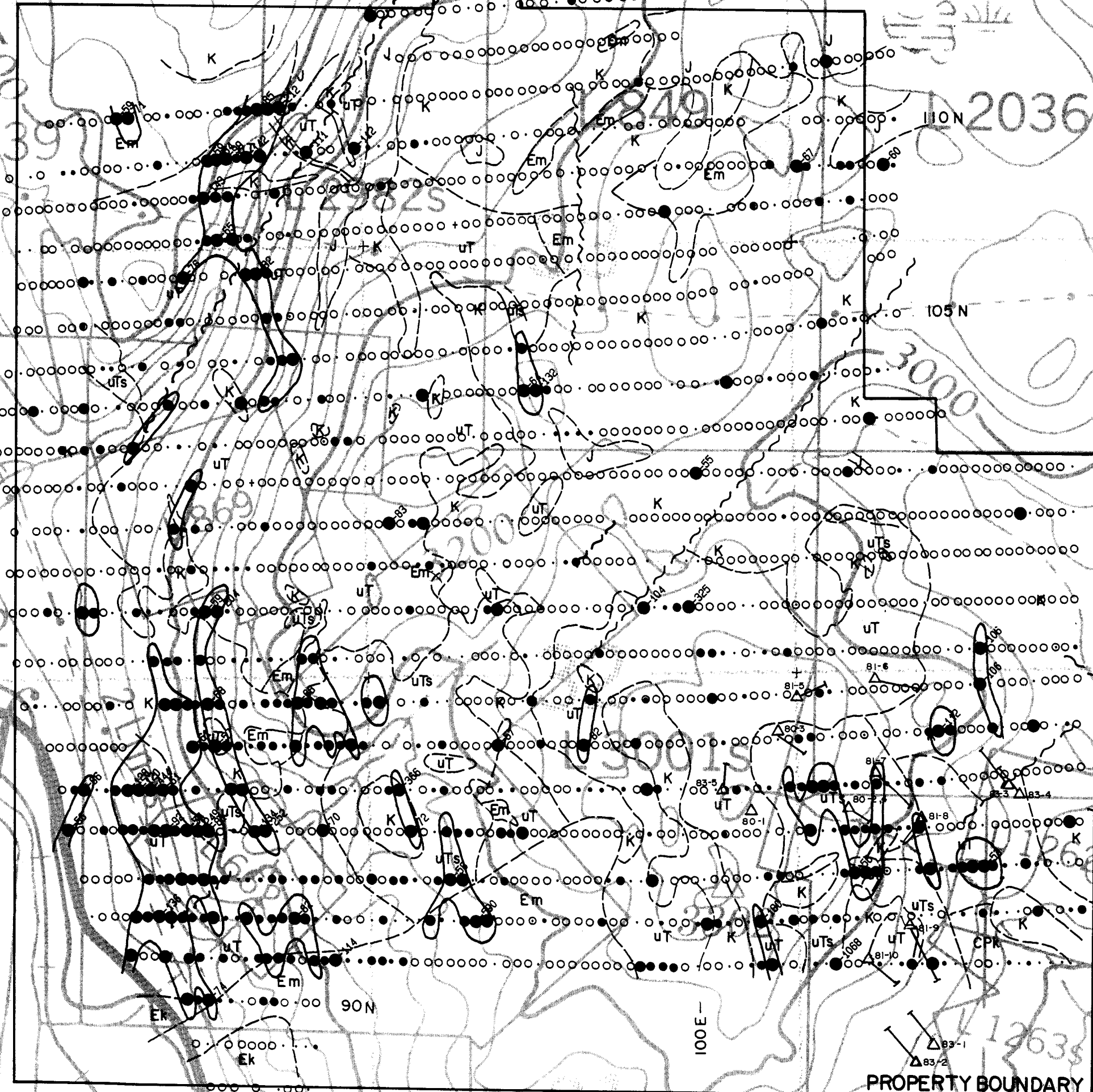


- > 50
- >30 TO 50
- >20 TO 30
- >11 TO 20
- >8 TO 11
- >5 TO 8
- 0 TO 5

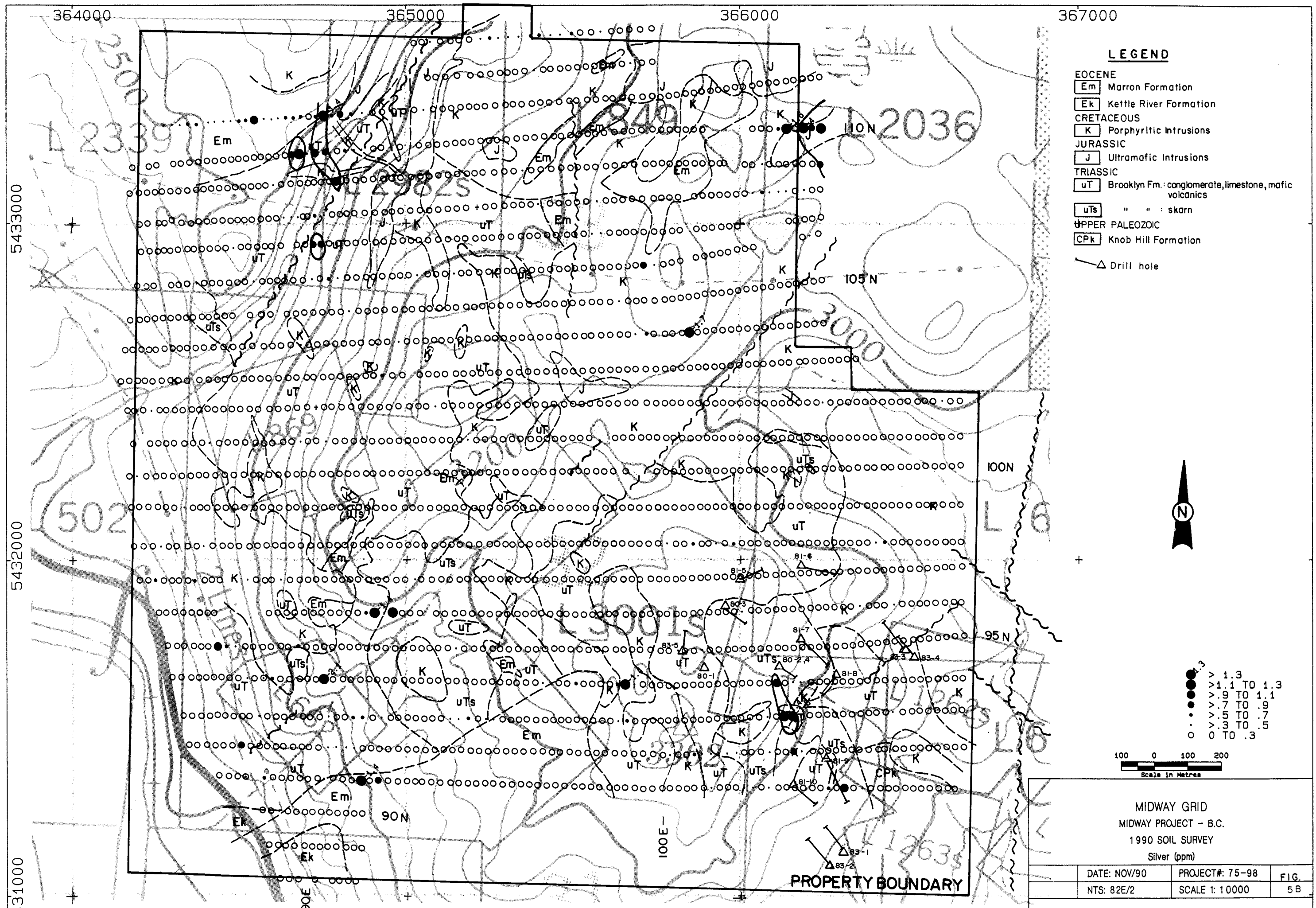


MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Gold (ppb)

DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5A



PROPERTY BOUNDARY

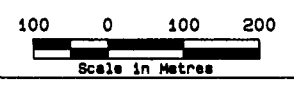


LEGEND

- EOCENE
 [Em] Marron Formation
 [Ek] Kettle River Formation
 CRETACEOUS
 [K] Porphyritic Intrusions
 JURASSIC
 [J] Ultramafic Intrusions
 TRIASSIC
 [uT] Brooklyn Fm.: conglomerate, limestone, mafic volcanics
 [uTs] " " : skarn
 UPPER PALEOZOIC
 [CPk] Knob Hill Formation
- △ Drill hole



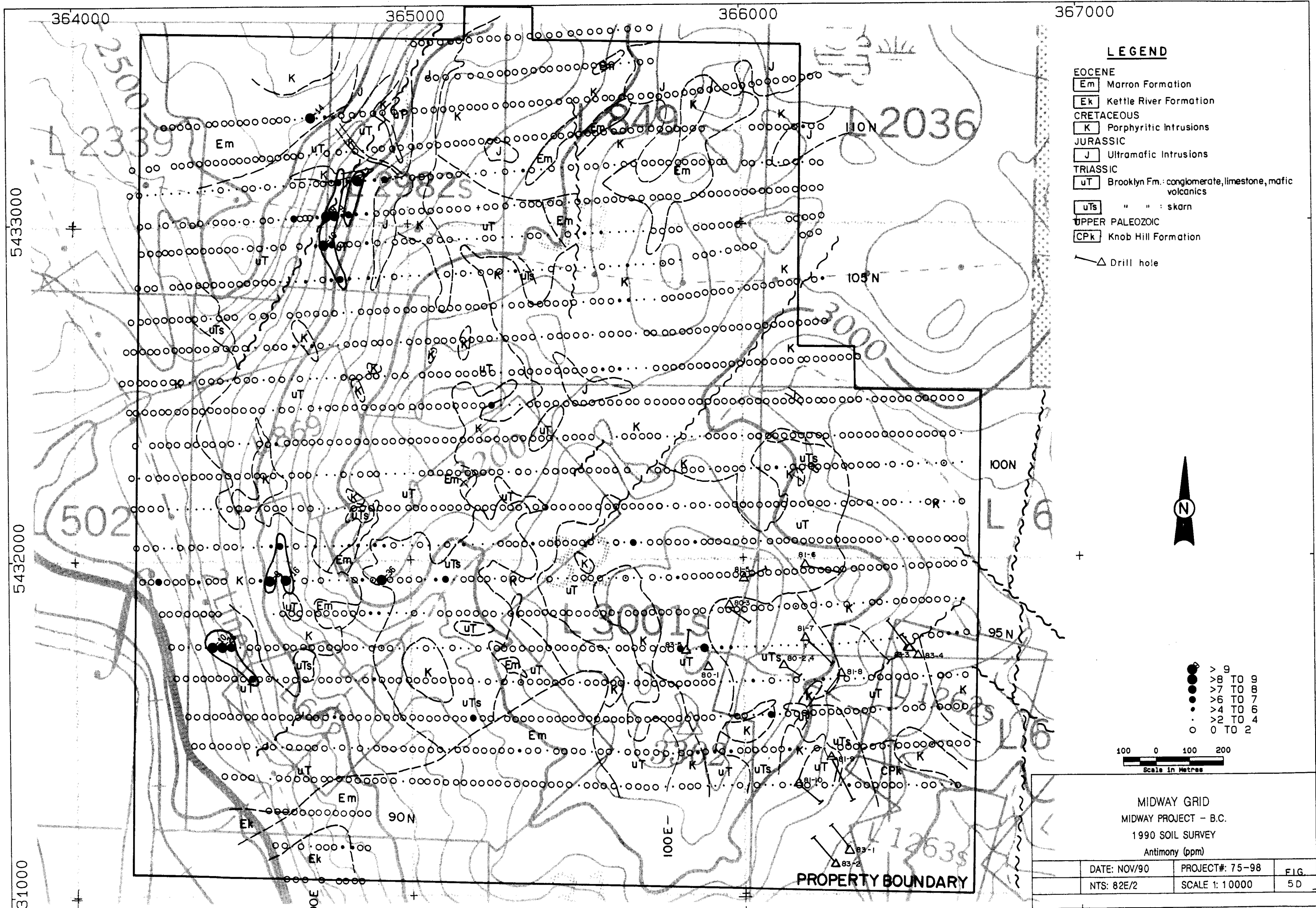
- > 1.3
- > 1.1 TO 1.3
- > .9 TO 1.1
- > .7 TO .9
- > .5 TO .7
- > .3 TO .5
- 0 TO .3



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Silver (ppm)

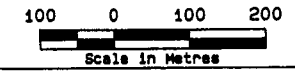
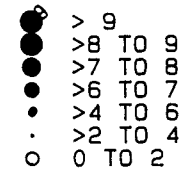
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5B

PROPERTY BOUNDARY



LEGEND

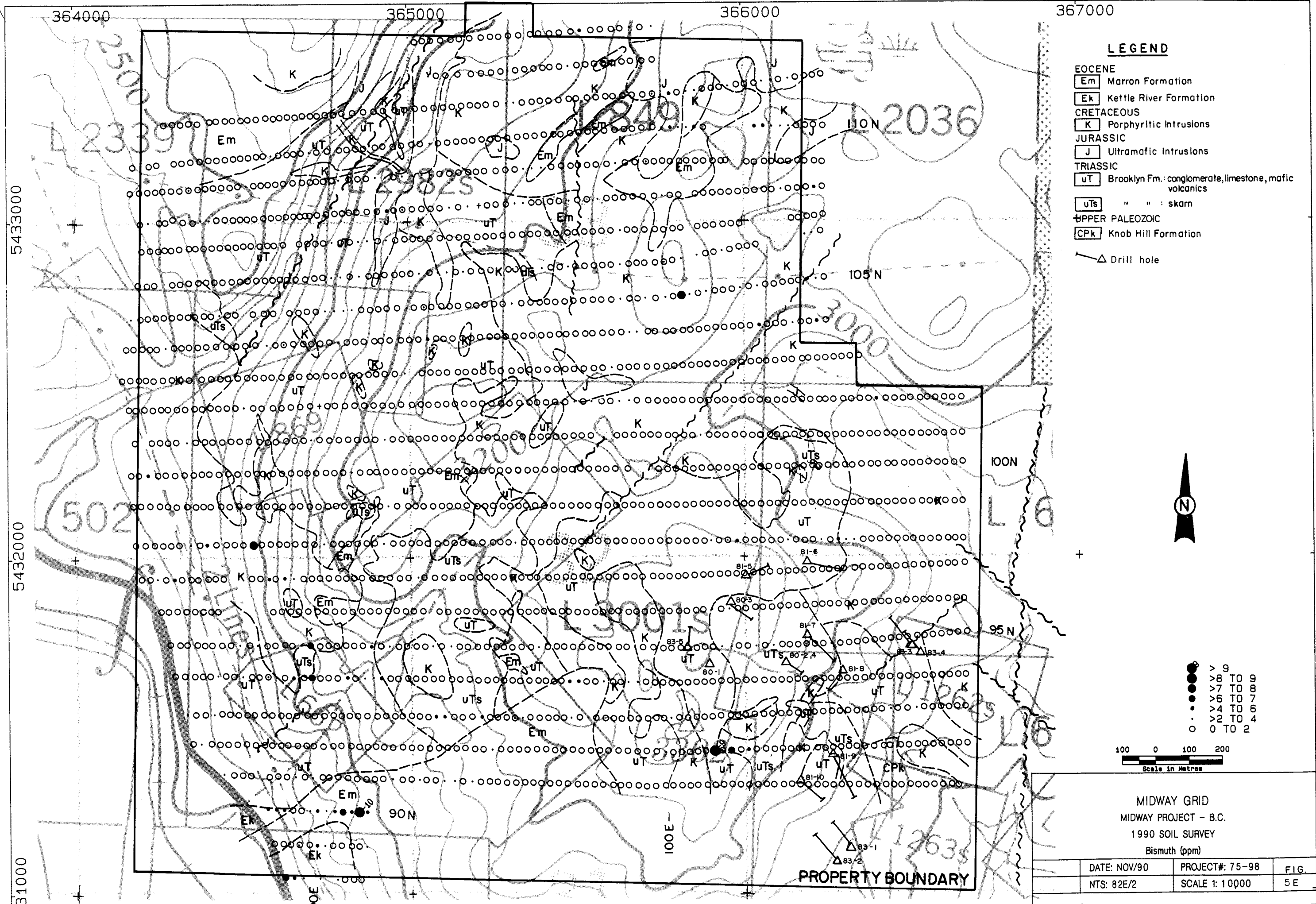
- EOCENE
 [Em] Marron Formation
 [Ek] Kettle River Formation
 CRETACEOUS
 [K] Porphyritic Intrusions
 JURASSIC
 [J] Ultramafic Intrusions
 TRIASSIC
 [uT] Brooklyn Fm.: conglomerate, limestone, mafic volcanics
 [uTs] " " : skarn
 UPPER PALEOZOIC
 [CPk] Knob Hill Formation
 Δ Drill hole



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Antimony (ppm)

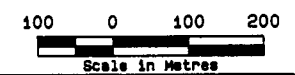
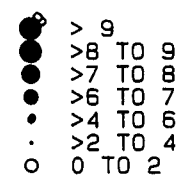
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5 D

PROPERTY BOUNDARY



LEGEND

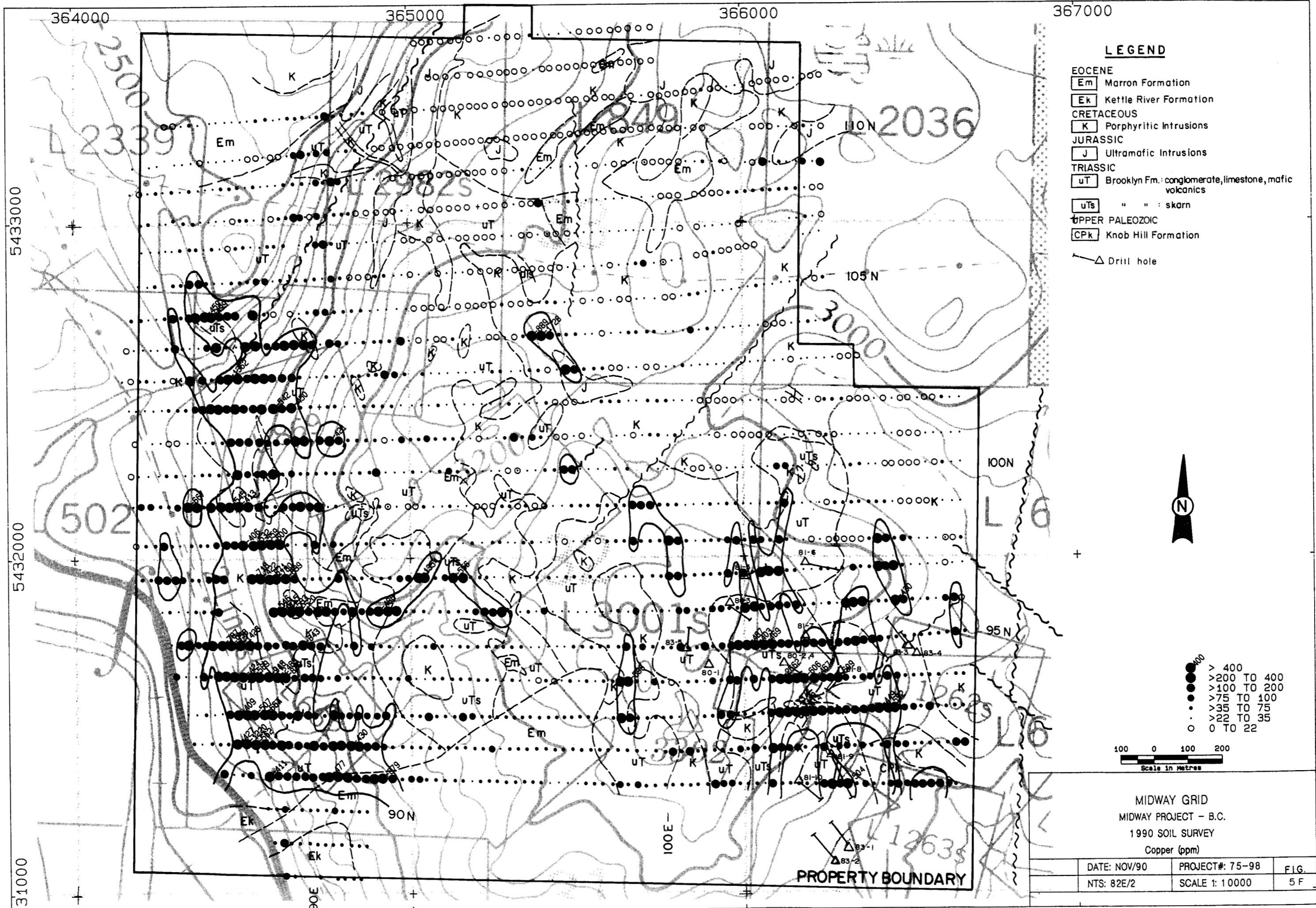
- EOCENE
 [Em] Marron Formation
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 CRETACEOUS
 [K] Porphyritic Intrusions
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 [J] Ultramafic Intrusions
 TRIASSIC
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 [uTs] " " : skarn
 UPPER PALEOZOIC
 [CPK] Knob Hill Formation
 Δ Drill hole



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Bismuth (ppm)

DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5 E

PROPERTY BOUNDARY

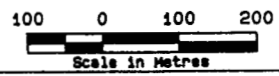


LEGEND

- EOCENE
- Em Marron Formation
- Ek Kettle River Formation
- CRETACEOUS
- K Porphyritic Intrusions
- JURASSIC
- J Ultramafic Intrusions
- TRIASSIC
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- uTs " " : skarn
- UPPER PALEOZOIC
- Cpk Knob Hill Formation
- △ Drill hole



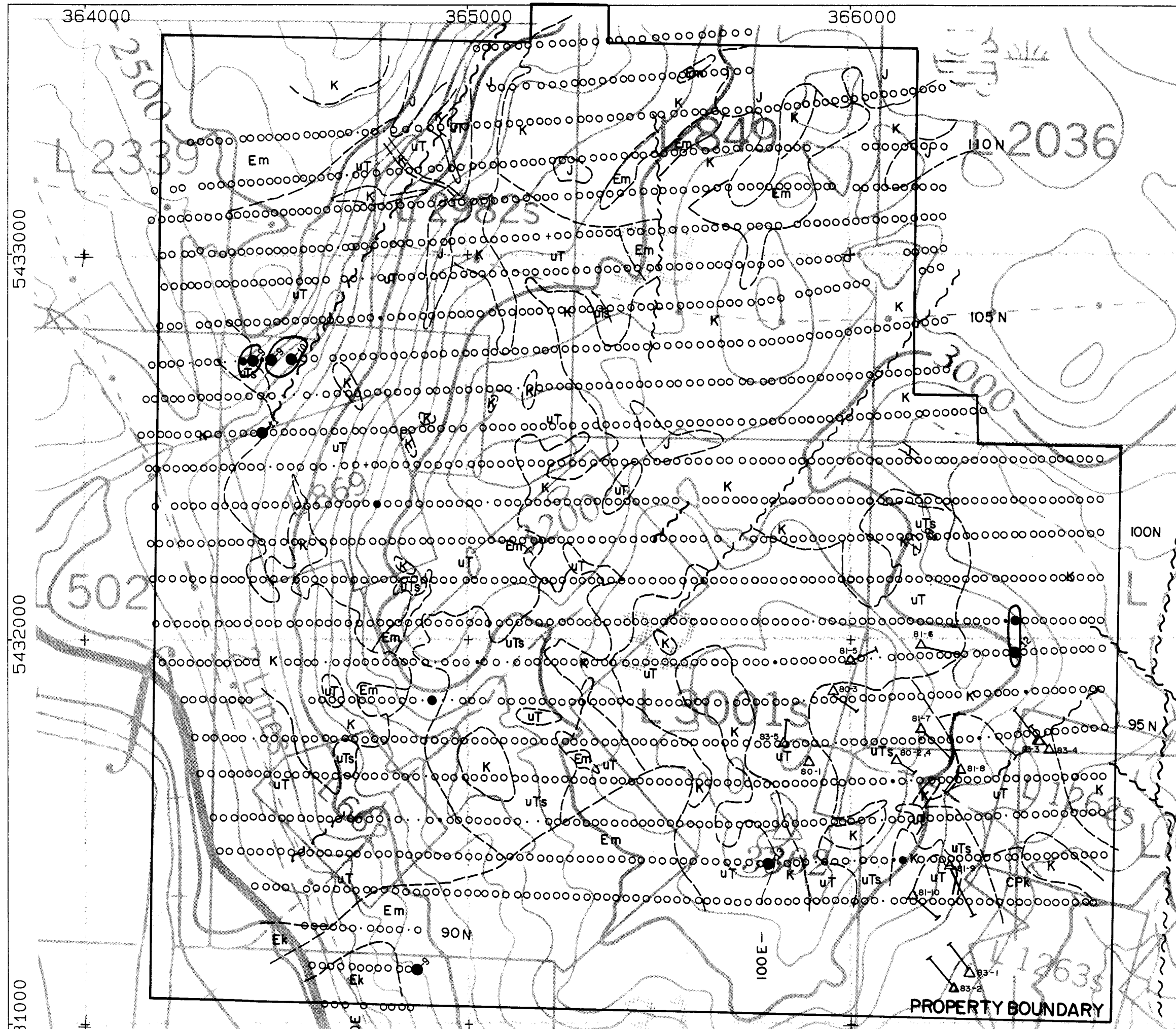
- > 400
- > 200 TO 400
- > 100 TO 200
- > 75 TO 100
- > 35 TO 75
- > 22 TO 35
- 0 TO 22



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Copper (ppm)

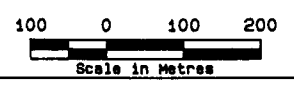
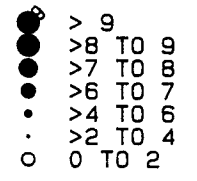
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5 F

PROPERTY BOUNDARY



LEGEND

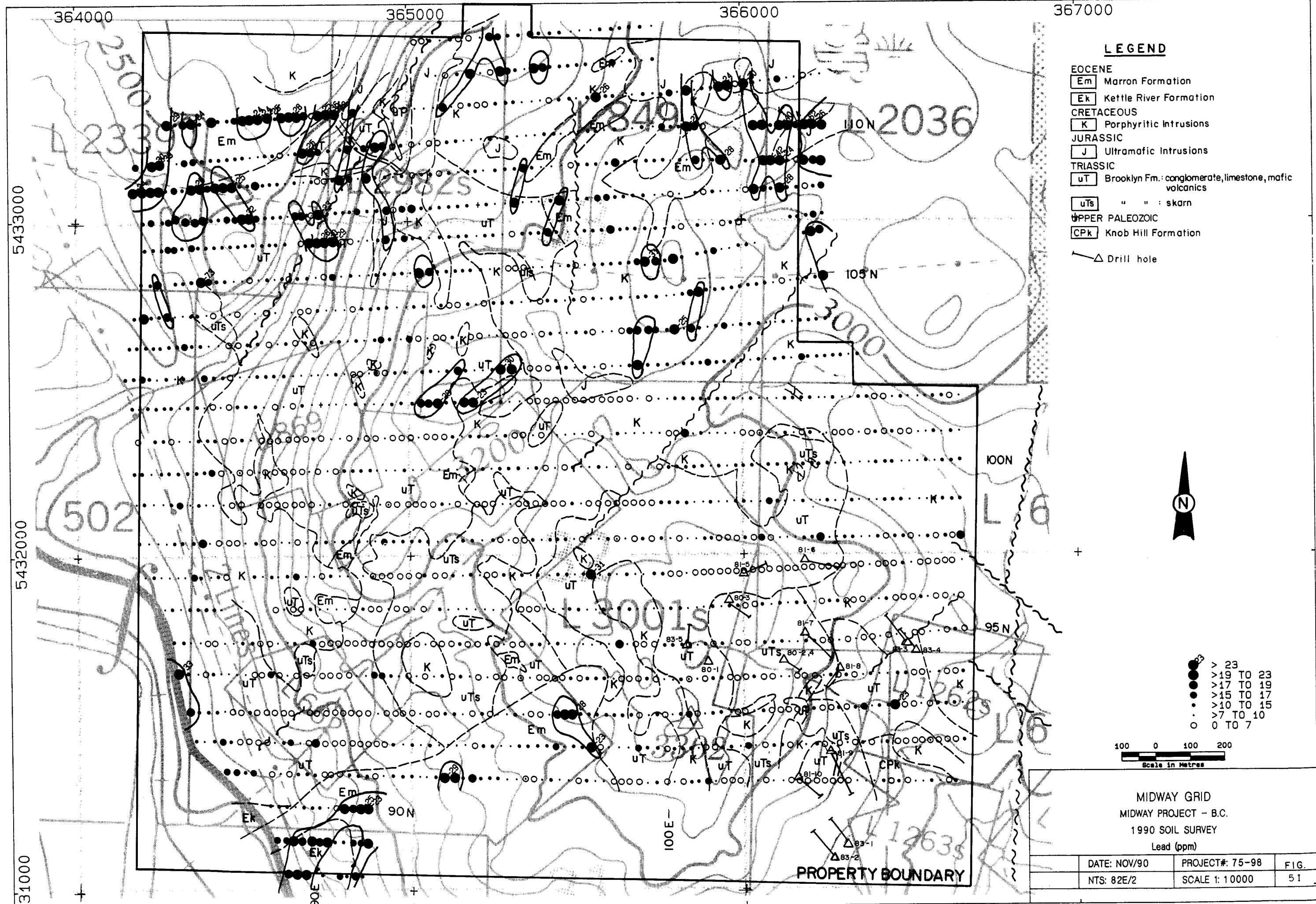
- EOCENE
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 - Ek Kettle River Formation
 - CRETACEOUS
 - K Porphyritic Intrusions
 - JURASSIC
 - J Ultramafic Intrusions
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- △ Drill hole



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Molybdenum (ppm)

DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5G

PROPERTY BOUNDARY

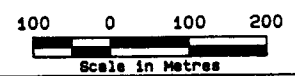


LEGEND

- EOCENE
 - Em Marron Formation
 - Ek Kettle River Formation
- CRETACEOUS
 - K Porphyritic Intrusions
- JURASSIC
 - J Ultramafic Intrusions
- TRIASSIC
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 - uTs " " : skarn
- UPPER PALEOZOIC
 - Cpk Knob Hill Formation
- △ Drill hole



- > 23
- >19 TO 23
- >15 TO 19
- >10 TO 15
- >7 TO 10
- 0 TO 7



MIDWAY GRID MIDWAY PROJECT - B.C. 1990 SOIL SURVEY Lead (ppm)		
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	51

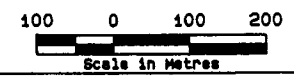
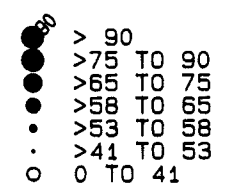
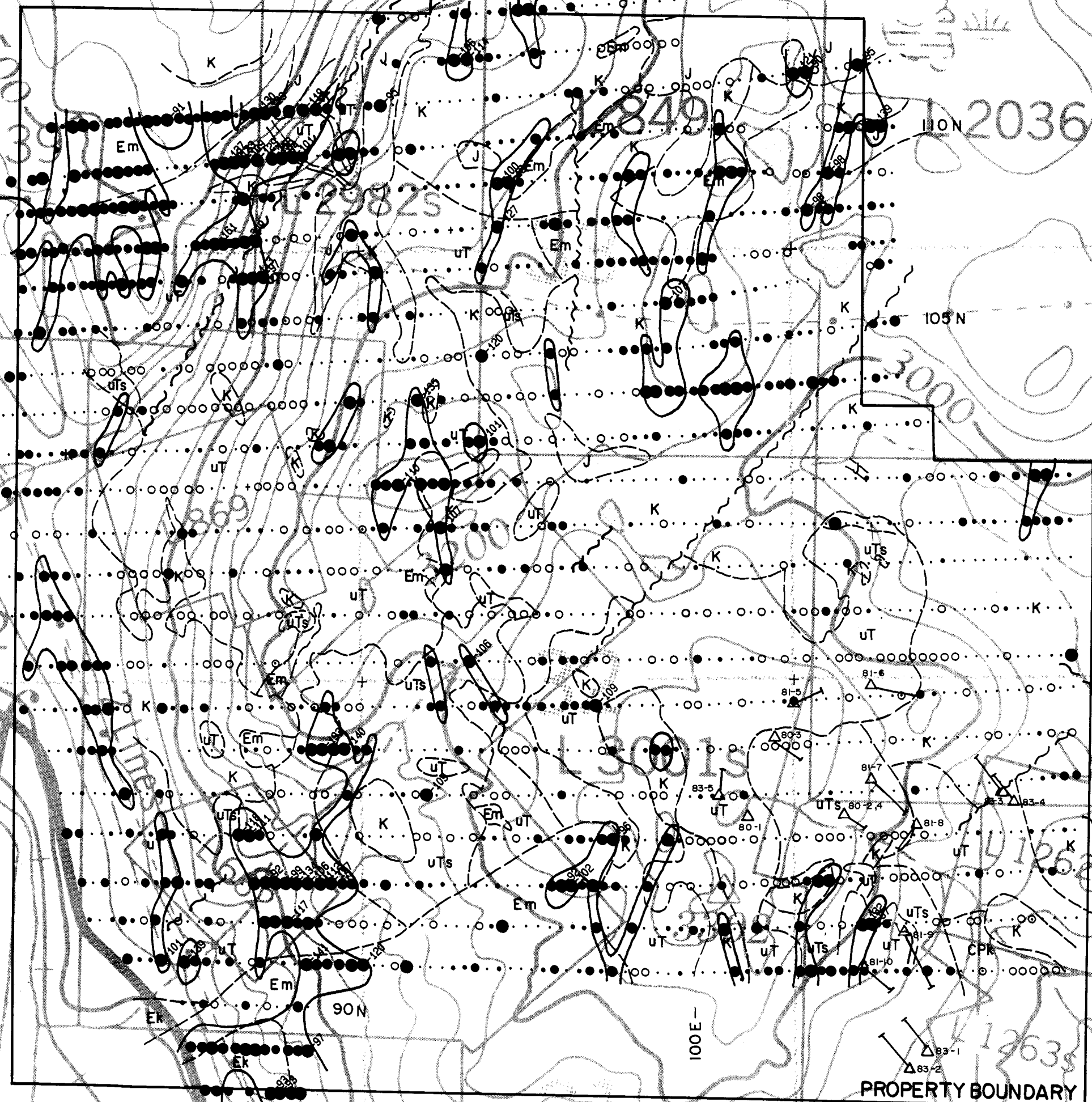
PROPERTY BOUNDARY

364000 365000 366000 367000

5433000
5432000
5431000

LEGEND

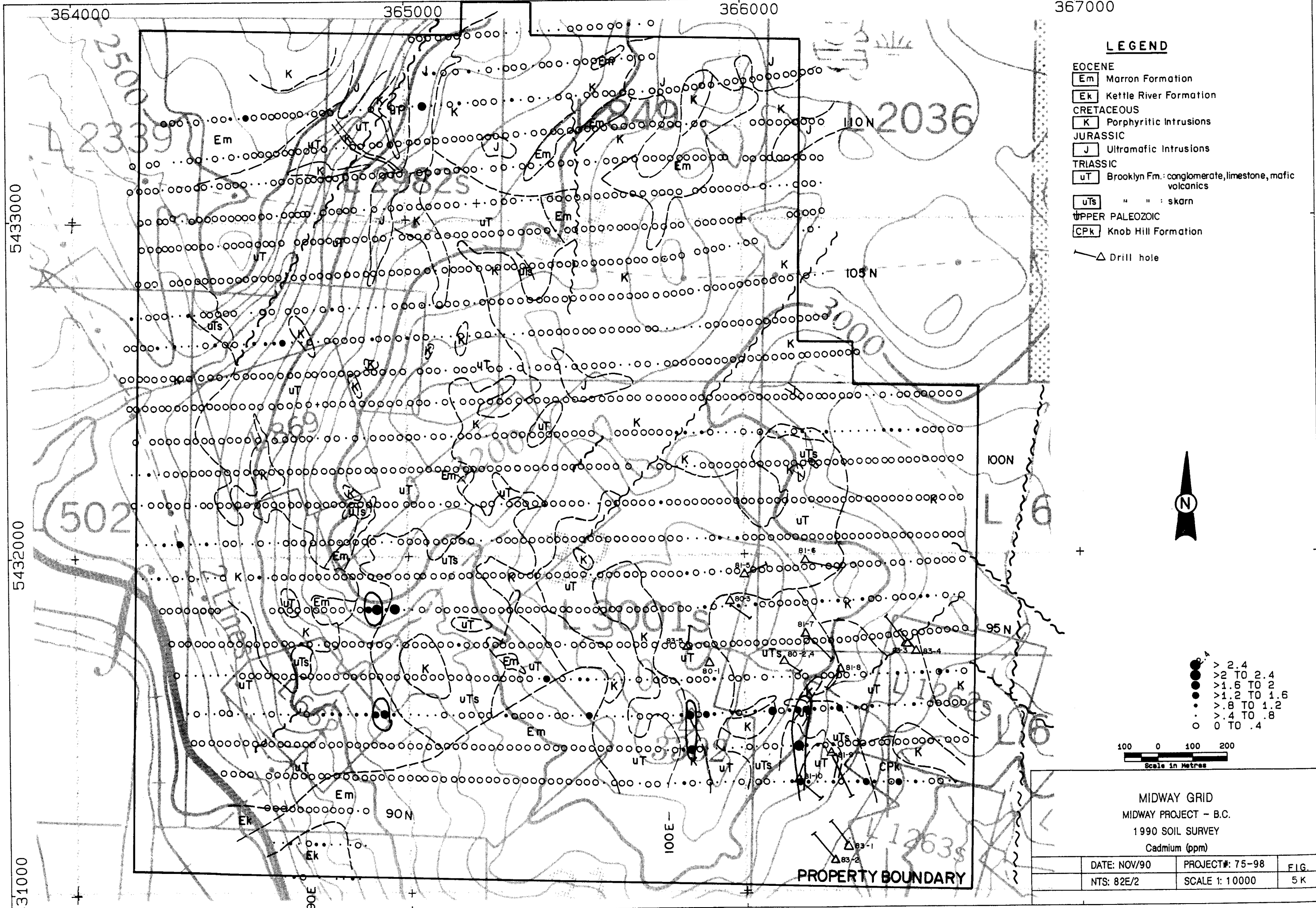
- EOCENE
 - Em Marron Formation
 - Ek Kettle River Formation
 - CRETACEOUS
 - K Porphyritic Intrusions
 - JURASSIC
 - J Ultramafic Intrusions
 - TRIASSIC
 - uT Brooklyn Fm.: conglomerate, limestone, mafic volcanics
 - uTs " " : skarn
 - UPPER PALEOZOIC
 - CPk Knob Hill Formation
- △ Drill hole



MIDWAY GRID
MIDWAY PROJECT - B.C.
1990 SOIL SURVEY
Zinc (ppm)

DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 1 0000	5J

PROPERTY BOUNDARY

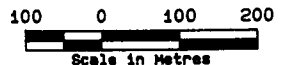


LEGEND

- EOCENE
 - Em Marron Formation
 - Ek Kettle River Formation
- CRETACEOUS
 - K Porphyritic Intrusions
- JURASSIC
 - J Ultramafic Intrusions
- TRIASSIC
 - uT Brooklyn Fm.: conglomerate, limestone, mafic volcanics
 - uTs " " : skarn
- UPPER PALEOZOIC
 - CPk Knob Hill Formation
- △ Drill hole



- > 2.4
- > 1.6 TO 2.4
- > 1.2 TO 1.6
- > .8 TO 1.2
- > .4 TO .8
- 0 TO .4



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Cadmium (ppm)

DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5 K

PROPERTY BOUNDARY

364000

365000

366000

367000

5433000

5432000

5431000

LEGEND

EOCENE

Em Marron Formation

Ek Kettle River Formation

CRETACEOUS

K Porphyritic Intrusions

JURASSIC

J Ultramafic Intrusions

TRIASSIC

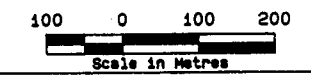
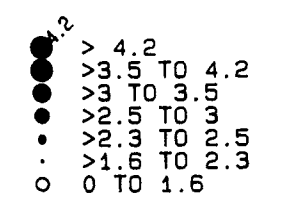
uT Brooklyn Fm.: conglomerate, limestone, mafic volcanics

uTs " " : skarn

UPPER PALEOZOIC

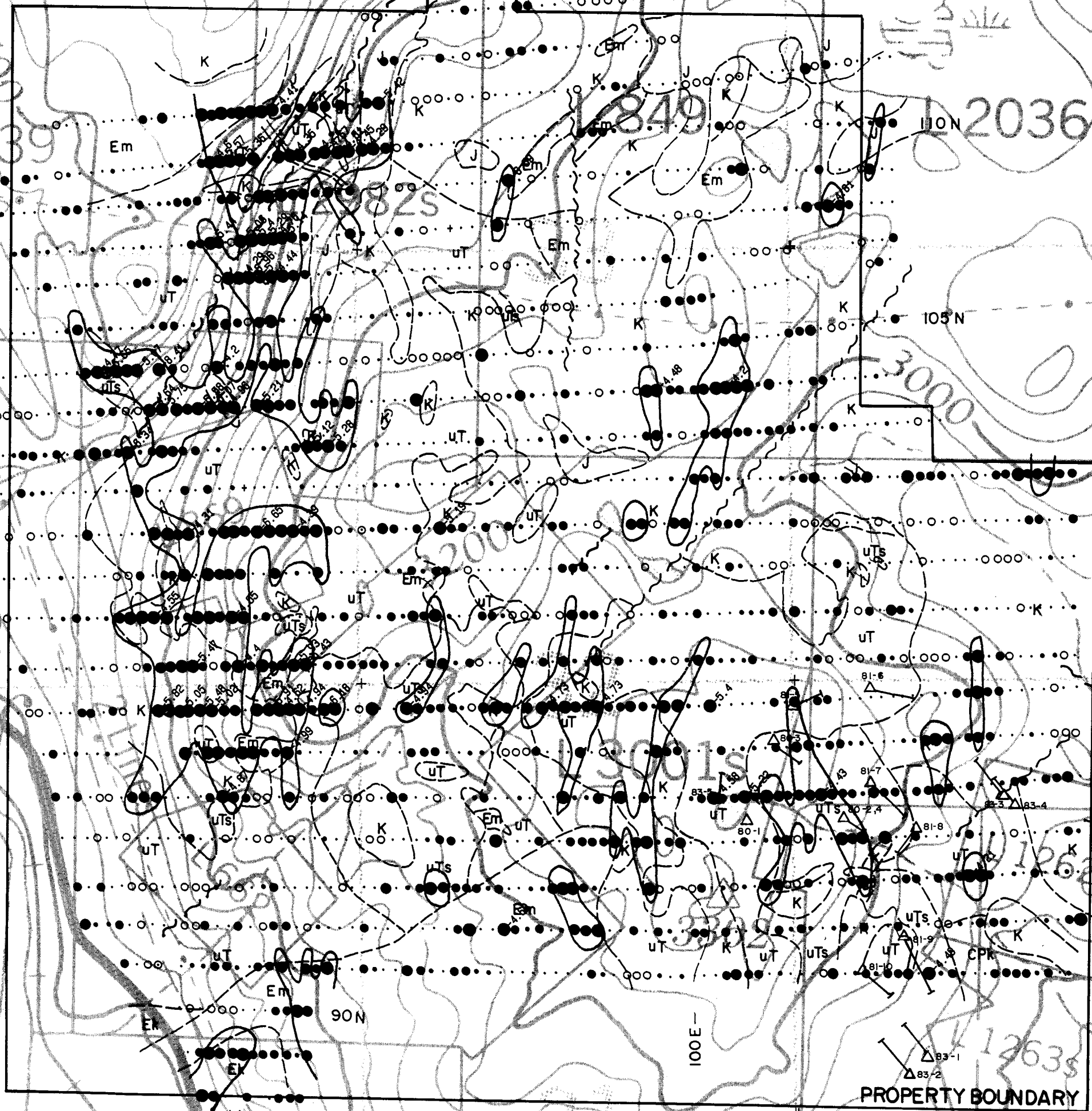
CPK Knob Hill Formation

△ Drill hole

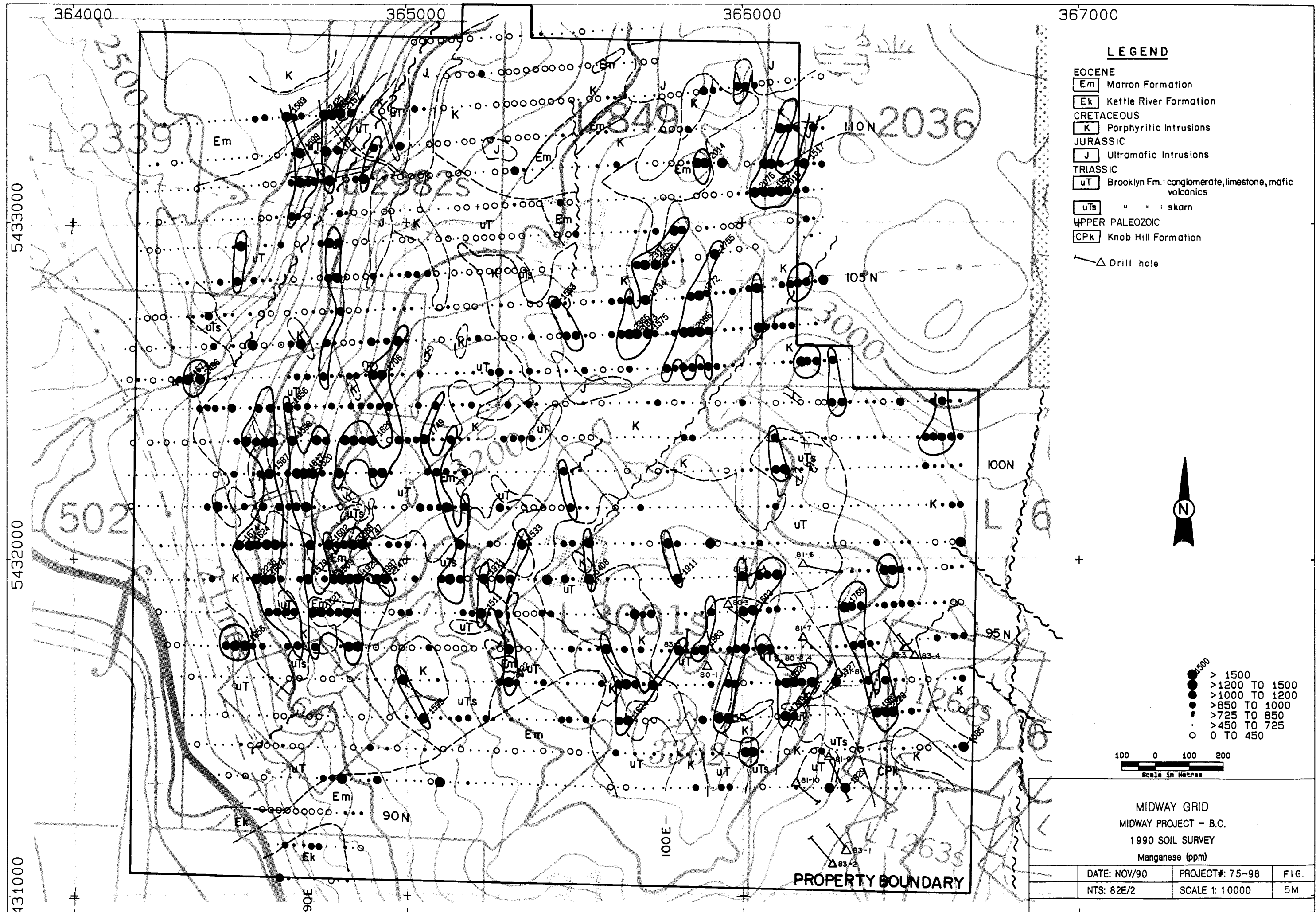


MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Iron (%)

DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5L



PROPERTY BOUNDARY

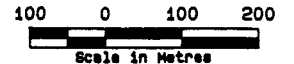


LEGEND

- EOCENE**
- Em Marron Formation
- Ek Kettle River Formation
- CRETACEOUS**
- K Porphyritic Intrusions
- J Ultramafic Intrusions
- JURASSIC**
- TRIASSIC**
- uT Brooklyn Fm.: conglomerate, limestone, mafic volcanics
- uTs " " : skarn
- UPPER PALEOZOIC**
- Cpk Knob Hill Formation
- △ Drill hole



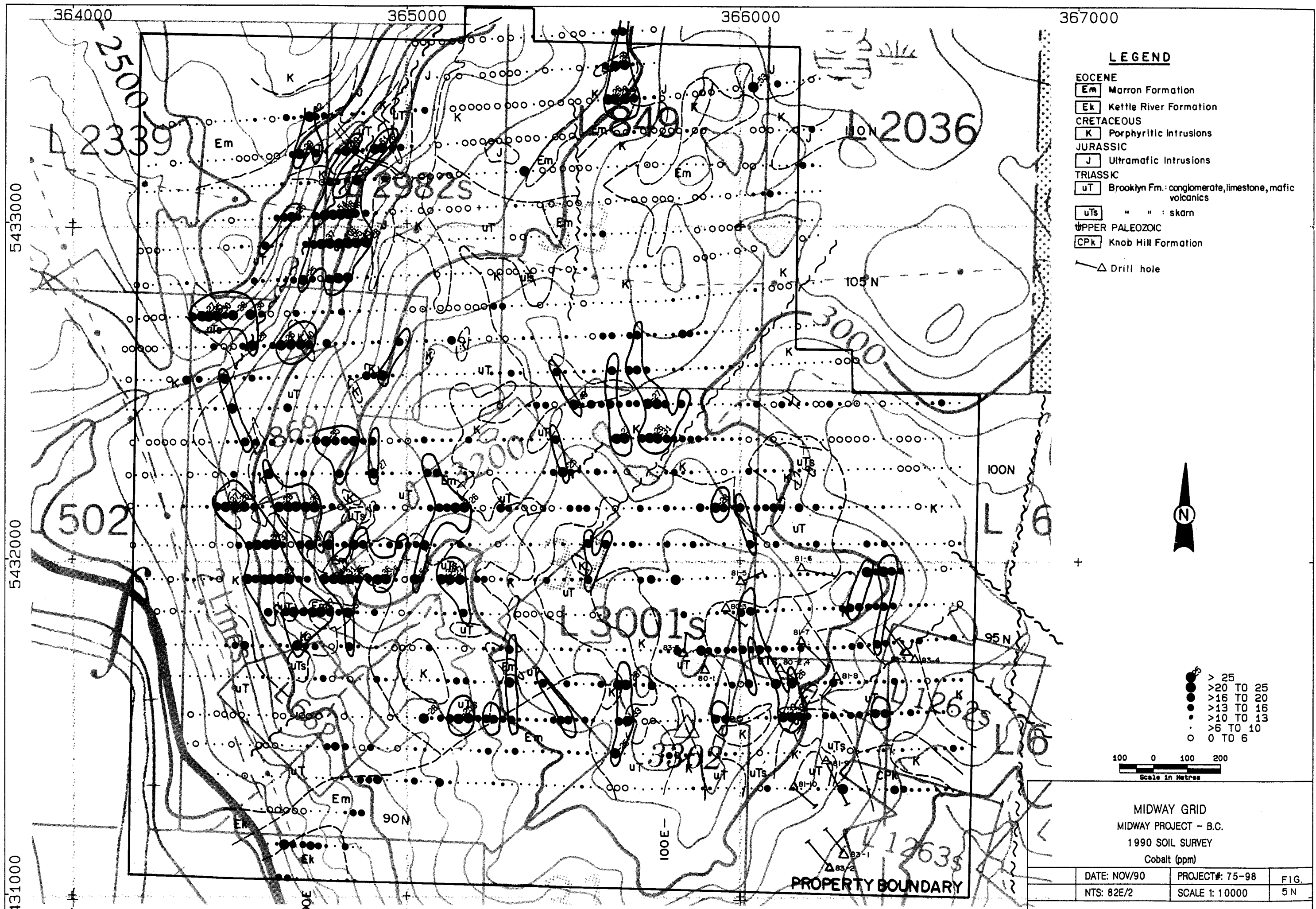
- > 1500
- > 1200 TO 1500
- > 1000 TO 1200
- > 850 TO 1000
- > 725 TO 850
- > 450 TO 725
- 0 TO 450



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Manganese (ppm)

DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5M

PROPERTY BOUNDARY

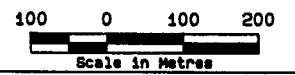


LEGEND

- EOCENE**
Em Marron Formation
Ek Kettle River Formation
- CRETACEOUS**
K Porphyritic Intrusions
- JURASSIC**
J Ultramafic Intrusions
- TRIASSIC**
uT Brooklyn Fm.: conglomerate, limestone, mafic volcanics
uTs " " : skarn
- UPPER PALEOZOIC**
CPk Knob Hill Formation
- △ Drill hole



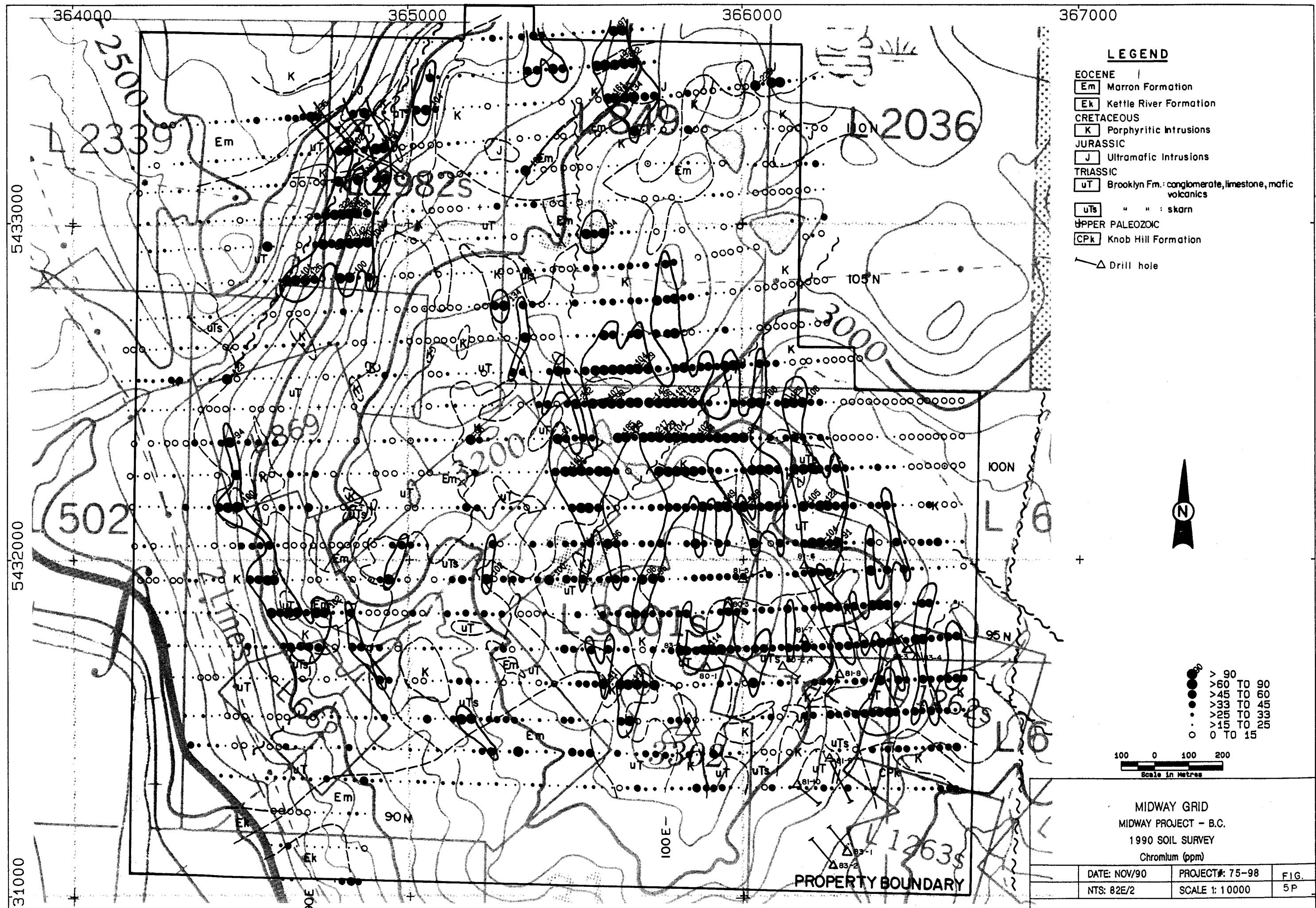
- > 25
- >20 TO 25
- >16 TO 20
- >13 TO 16
- >10 TO 13
- >6 TO 10
- 0 TO 6



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Cobalt (ppm)

DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5 N

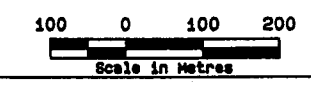
PROPERTY BOUNDARY



- LEGEND**
- EOCENE
 - Em Marron Formation
 - Ek Kettle River Formation
 - CRETACEOUS
 - K Porphyritic Intrusions
 - JURASSIC
 - J Ultramafic Intrusions
 - TRIASSIC
 - uT Brooklyn Fm.: conglomerate, limestone, mafic volcanics
 - uTs " " : skarn
 - UPPER PALEOZOIC
 - CPk Knob Hill Formation
- △ Drill hole



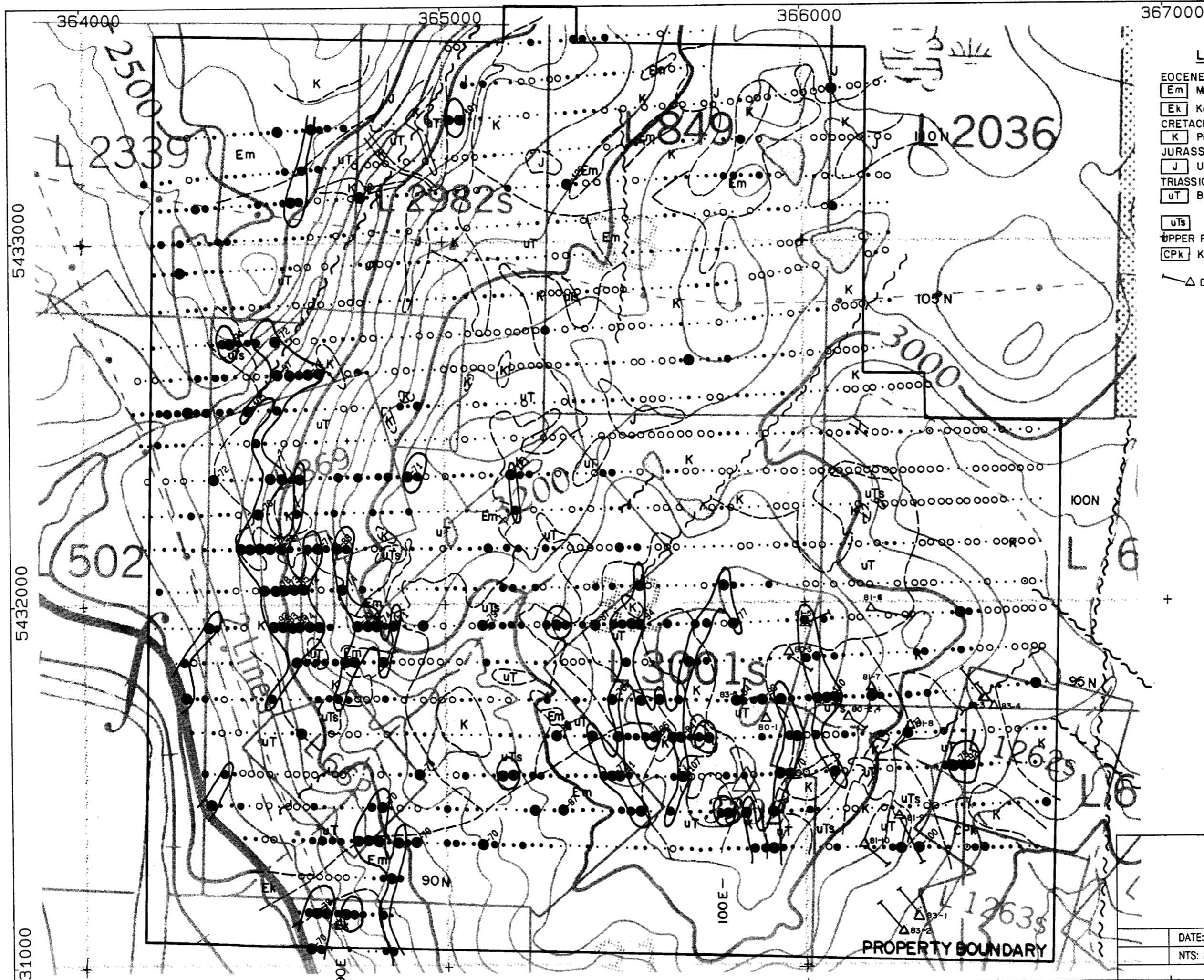
- > 90
- > 60 TO 90
- > 45 TO 60
- > 33 TO 45
- > 25 TO 33
- > 15 TO 25
- 0 TO 15



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Chromium (ppm)

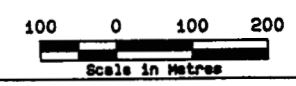
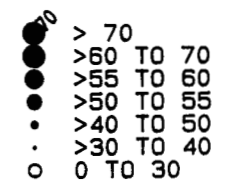
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5P

PROPERTY BOUNDARY



LEGEND

- EOCENE
 - Em Marron Formation
 - Ek Kettle River Formation
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 - CPk Knob Hill Formation
- △ Drill hole

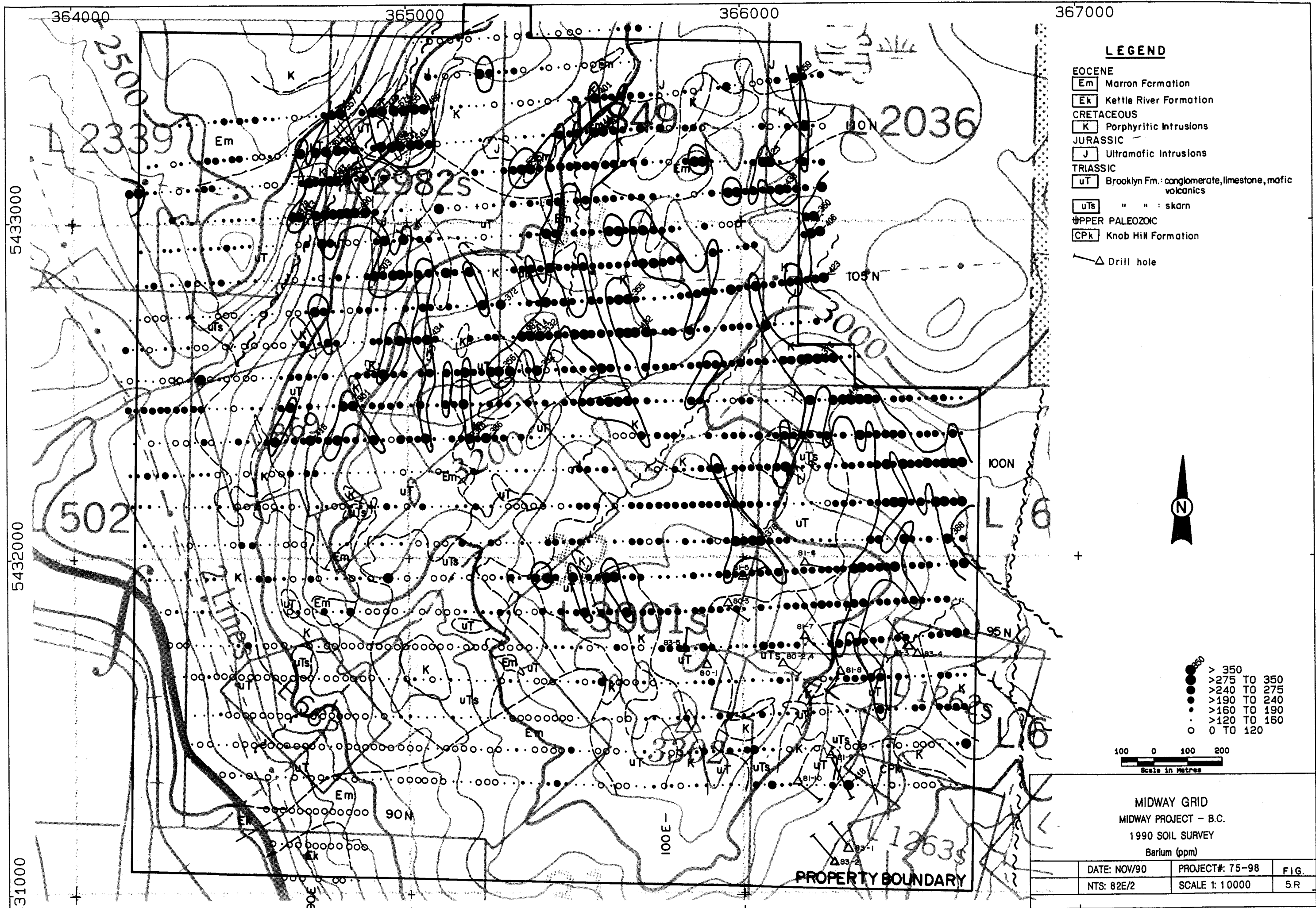


MIDWAY GRID MIDWAY PROJECT - B.C. 1990 SOIL SURVEY Vanadium (ppm)		
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5Q

5433000
5432000
5431000

364000 365000 366000 367000

PROPERTY BOUNDARY



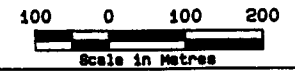
LEGEND

- EOCENE
- Em Marron Formation
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- CRETACEOUS
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- uT Brooklyn Fm: conglomerate, limestone, mafic volcanics
- uTs " " : skarn
- UPPER PALEOZOIC
- CPk Knob Hill Formation

△ Drill hole



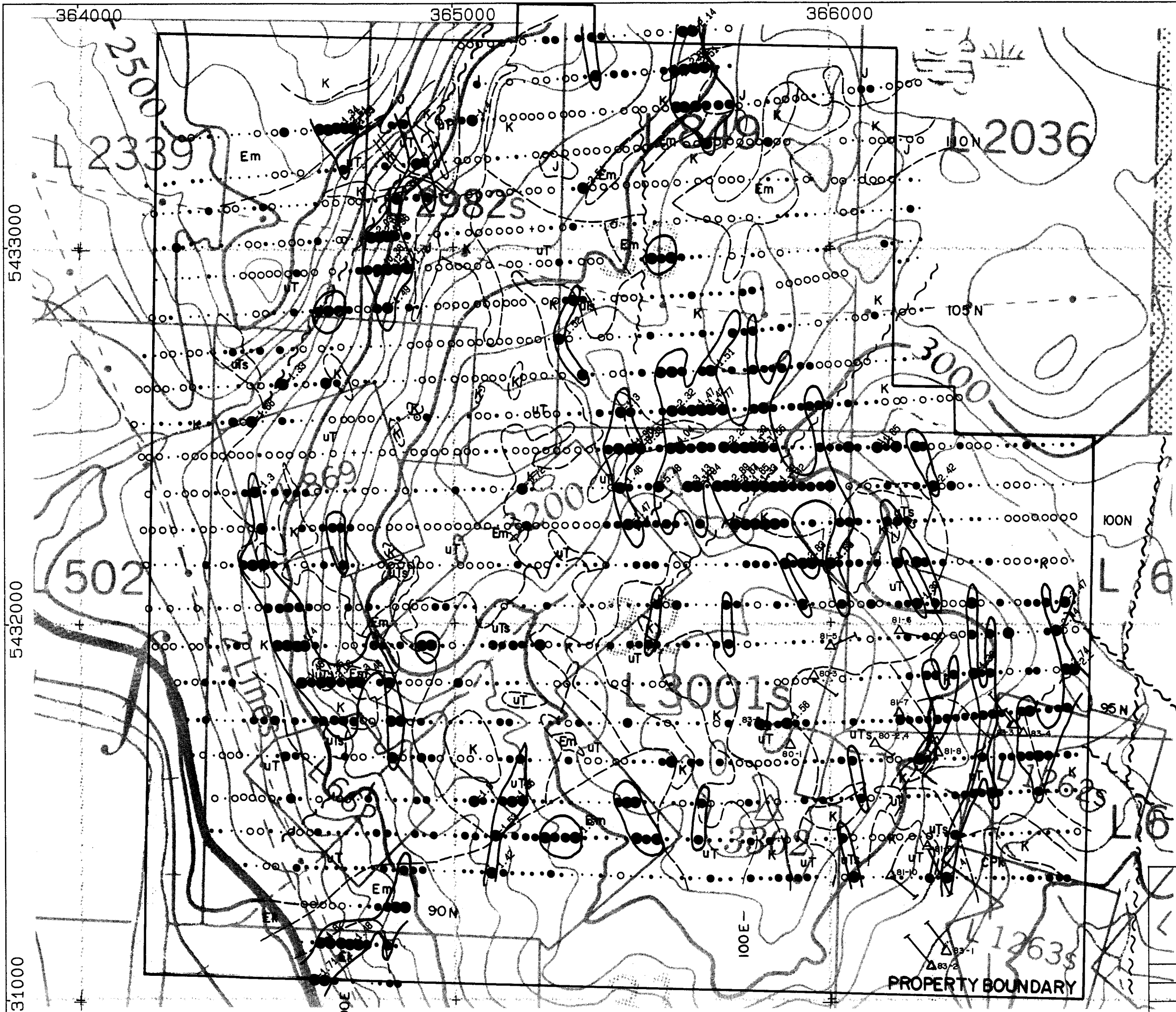
- > 350
- > 275 TO 350
- > 240 TO 275
- > 190 TO 240
- > 160 TO 190
- 0 TO 160



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Barium (ppm)

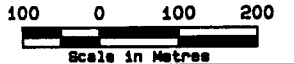
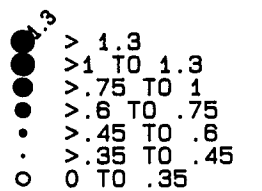
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5R

PROPERTY BOUNDARY



LEGEND

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- Δ Drill hole



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Magnesium (%)

DATE: NOV/90	PROJECT#: 75-98	FIG
NTS: 82E/2	SCALE 1: 10000	5U

5433000

5432000

5431000

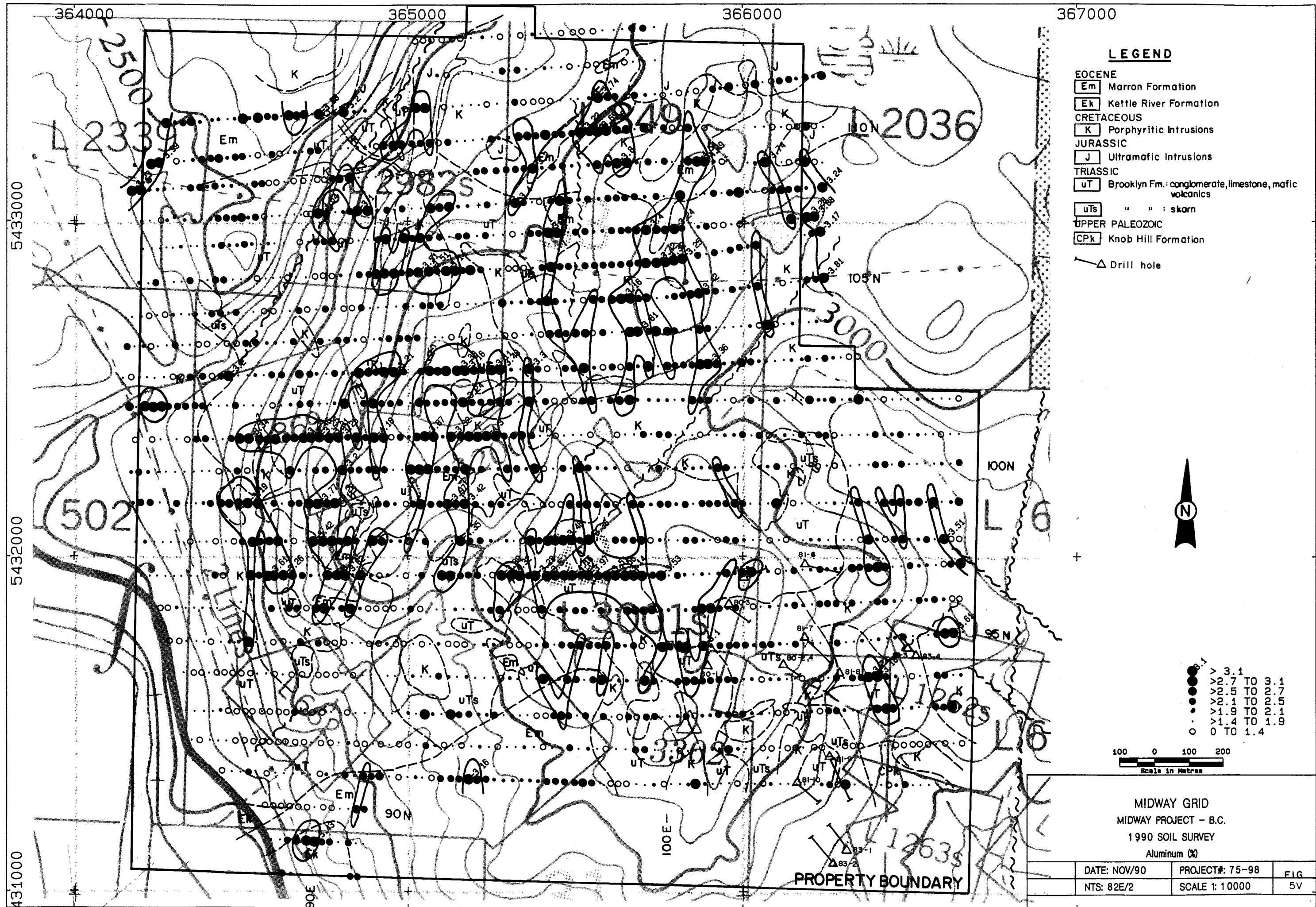
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365000

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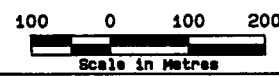
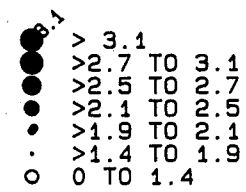
367000

PROPERTY BOUNDARY



LEGEND

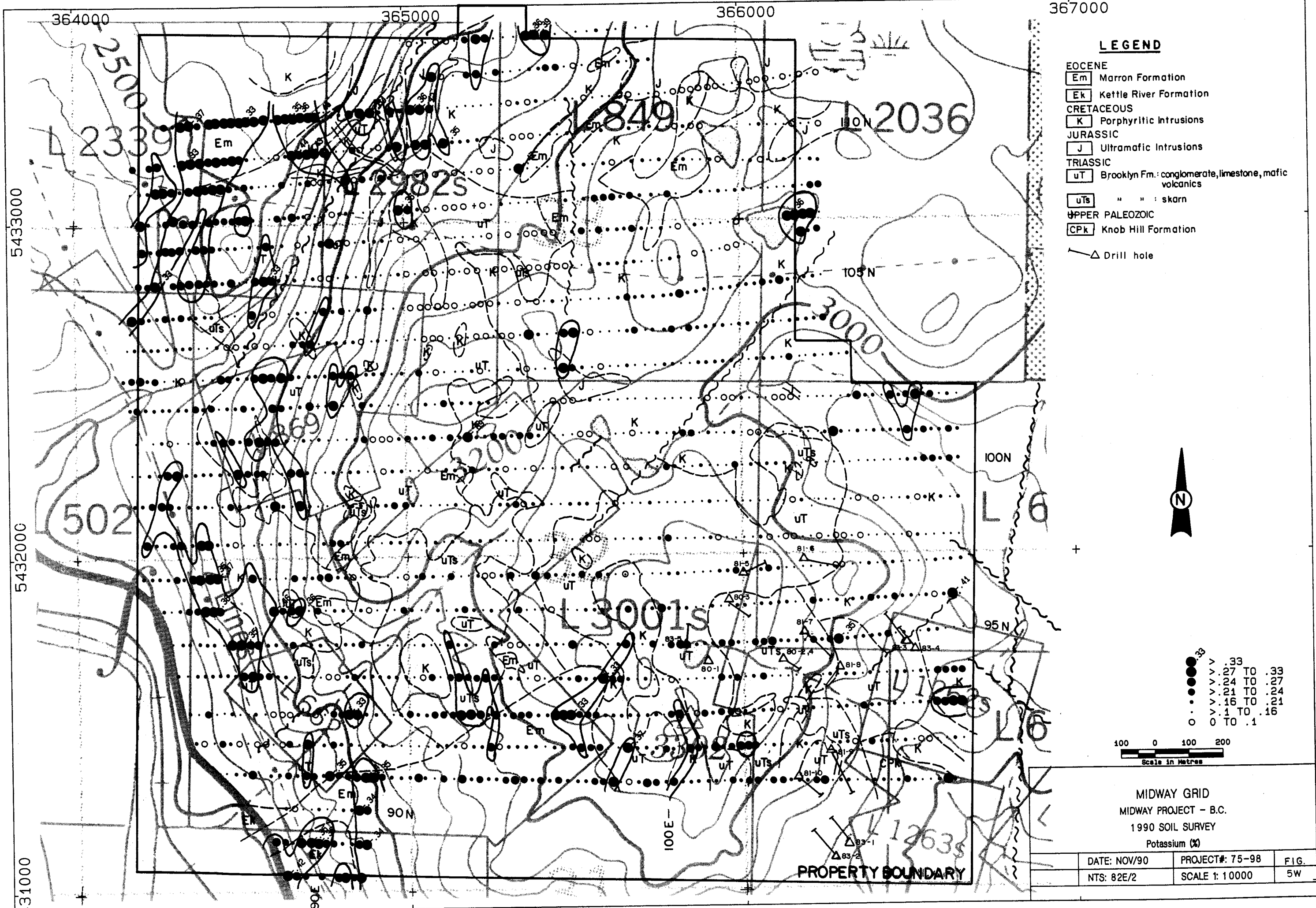
- EOCENE
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- Ek Kettle River Formation
- CRETACEOUS
- K Porphyritic Intrusions
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- TRIASSIC
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- CPK Knob Hill Formation
- △ Drill hole



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Aluminum (%)

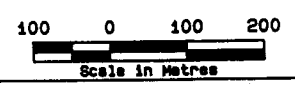
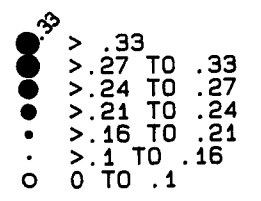
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5V

PROPERTY BOUNDARY



LEGEND

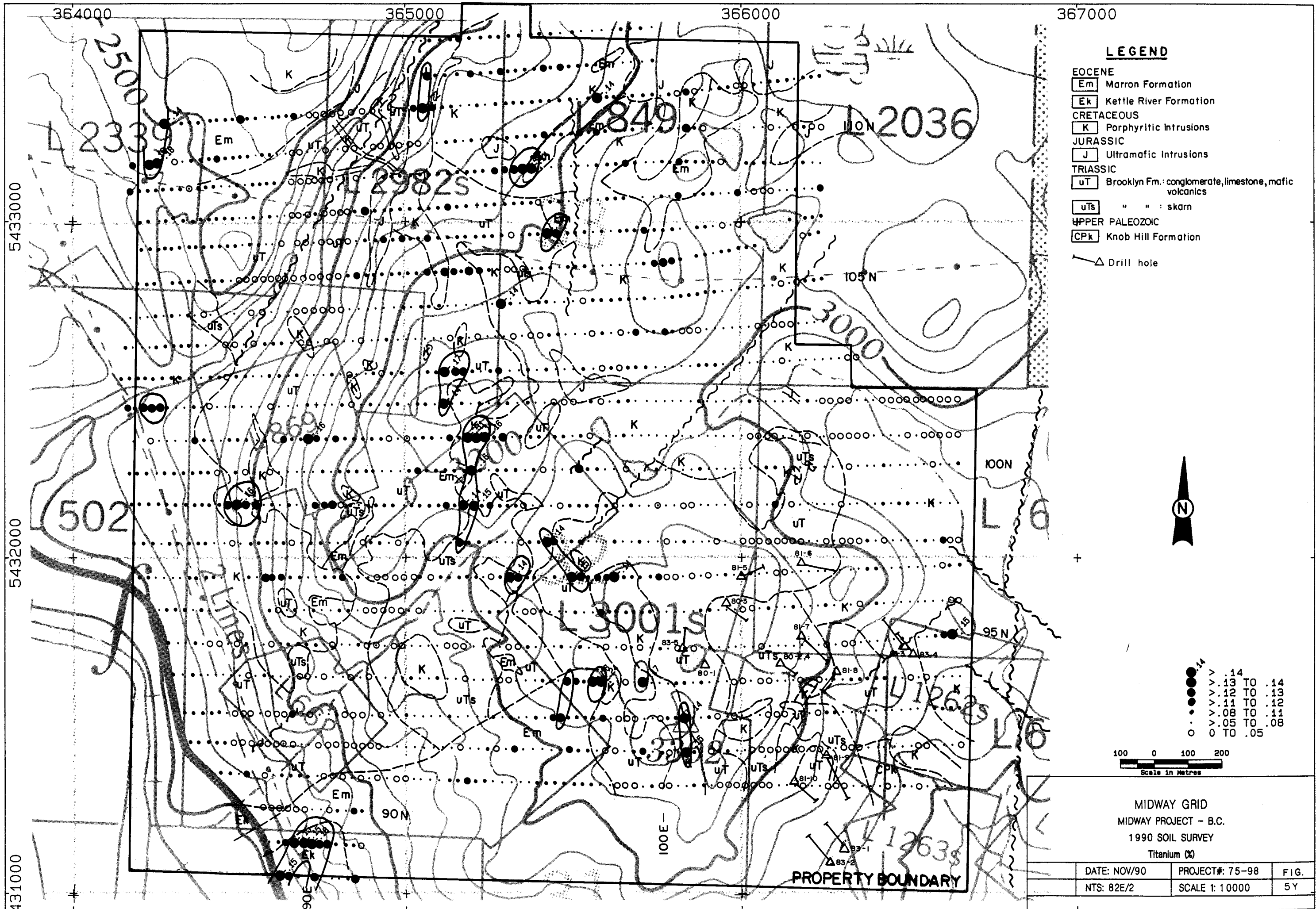
- EOCENE
- Em Marron Formation
- Ek Kettle River Formation
- CRETACEOUS
- K Porphyritic Intrusions
- JURASSIC
- J Ultramafic Intrusions
- TRIASSIC
- uT Brooklyn Fm.: conglomerate, limestone, mafic volcanics
- uTs " " : skarn
- UPPER PALEOZOIC
- CPk Knob Hill Formation
- △ Drill hole



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Potassium (%)

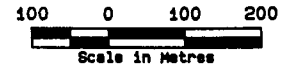
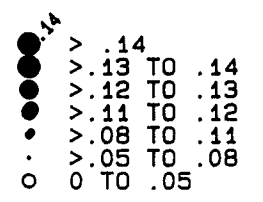
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5W

PROPERTY BOUNDARY



LEGEND

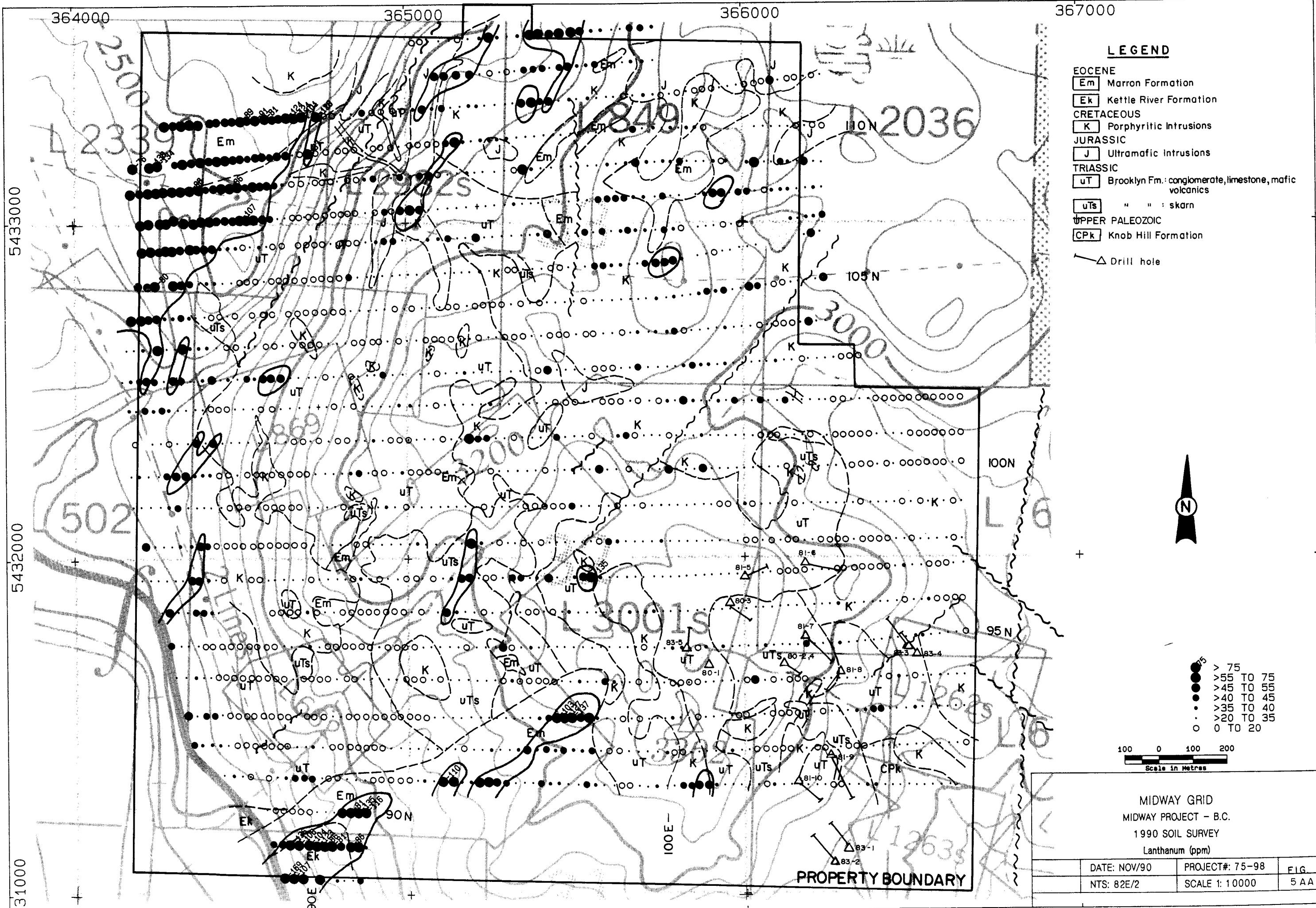
- EOCENE
- Em Marron Formation
- Ek Kettle River Formation
- CRETACEOUS
- K Porphyritic Intrusions
- J Ultramafic Intrusions
- JURASSIC
- TRIASSIC
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- △ Drill hole



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Titanium (%)

DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5Y

PROPERTY BOUNDARY



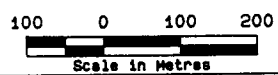
LEGEND

- EOCENE
 - Em Marron Formation
 - Ek Kettle River Formation
- CRETACEOUS
 - K Porphyritic Intrusions
- JURASSIC
 - J Ultramafic Intrusions
- TRIASSIC
 - uT Brooklyn Fm.: conglomerate, limestone, mafic volcanics
 - uTs " " : skarn
- UPPER PALEOZOIC
 - CPk Knob Hill Formation

△ Drill hole



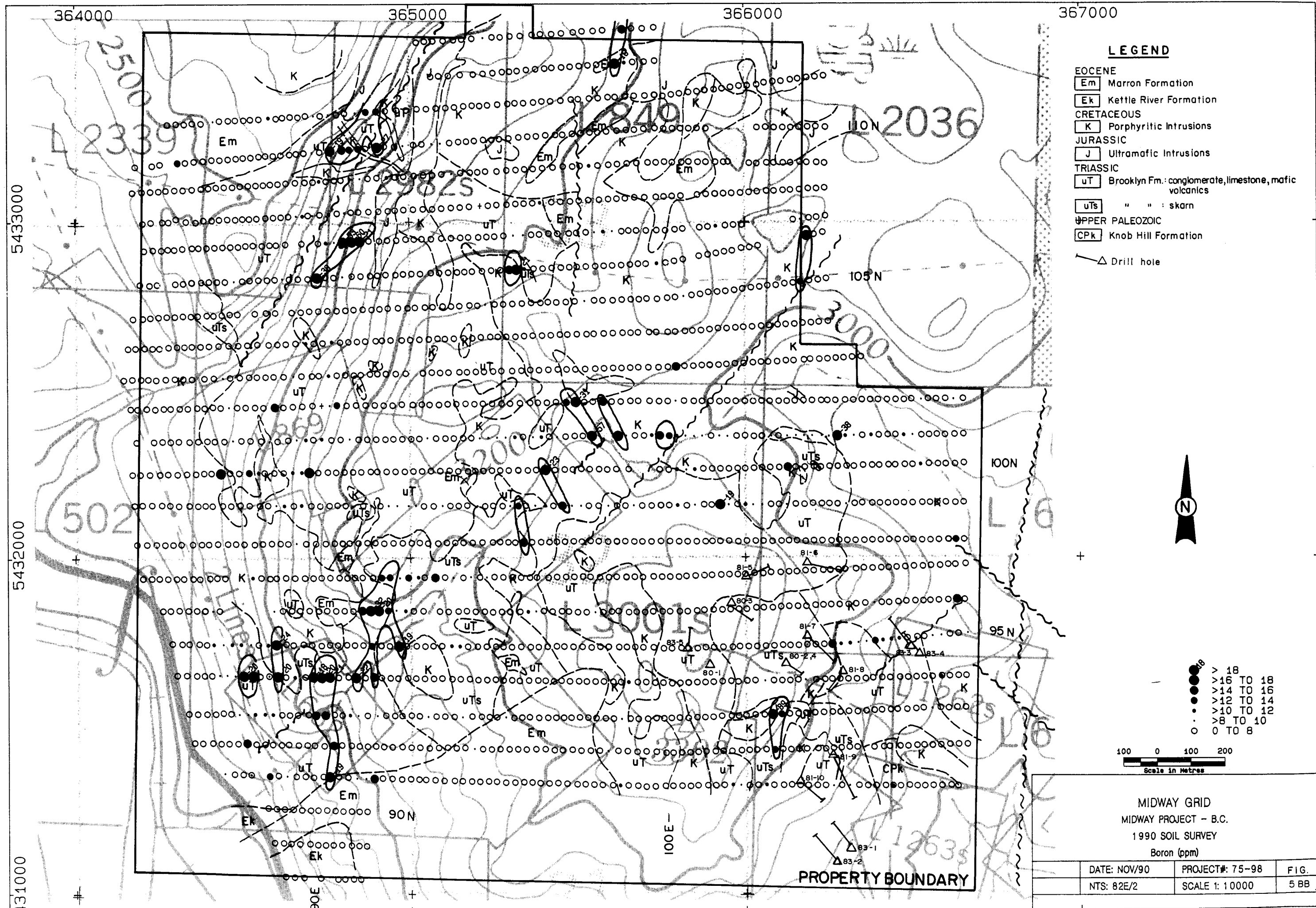
- > 75
- > 55 TO 75
- > 45 TO 55
- > 40 TO 45
- > 35 TO 40
- > 20 TO 35
- 0 TO 20



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Lanthanum (ppm)

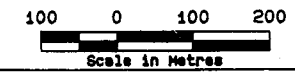
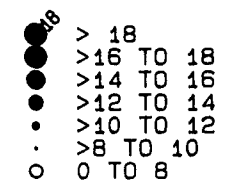
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE: 1: 10000	5 AA

PROPERTY BOUNDARY



LEGEND

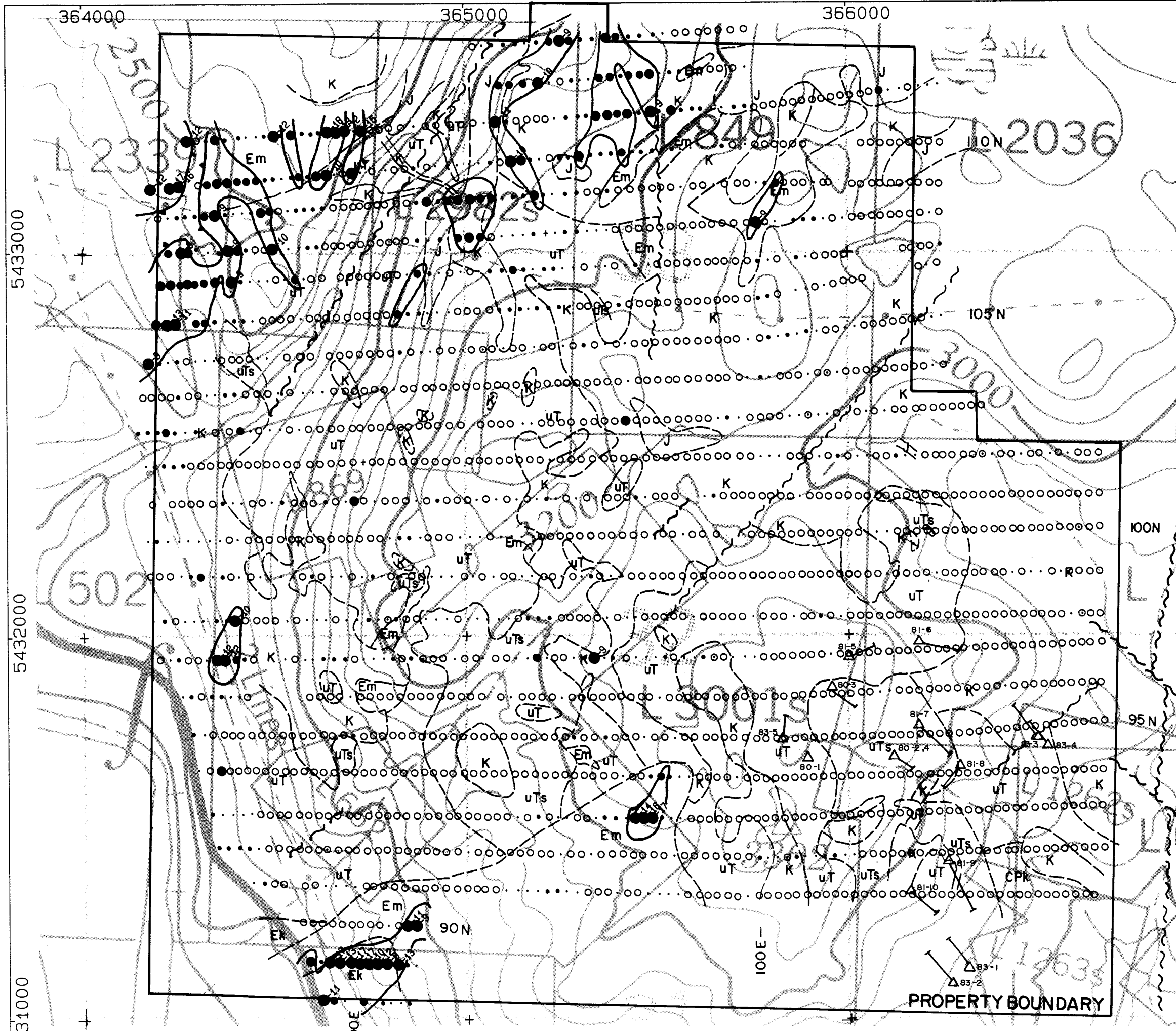
- EOCENE
 - Em Marron Formation
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MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Boron (ppm)

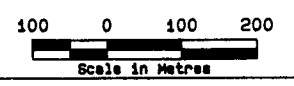
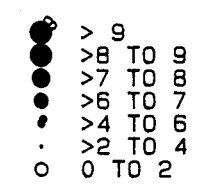
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5 BB

PROPERTY BOUNDARY



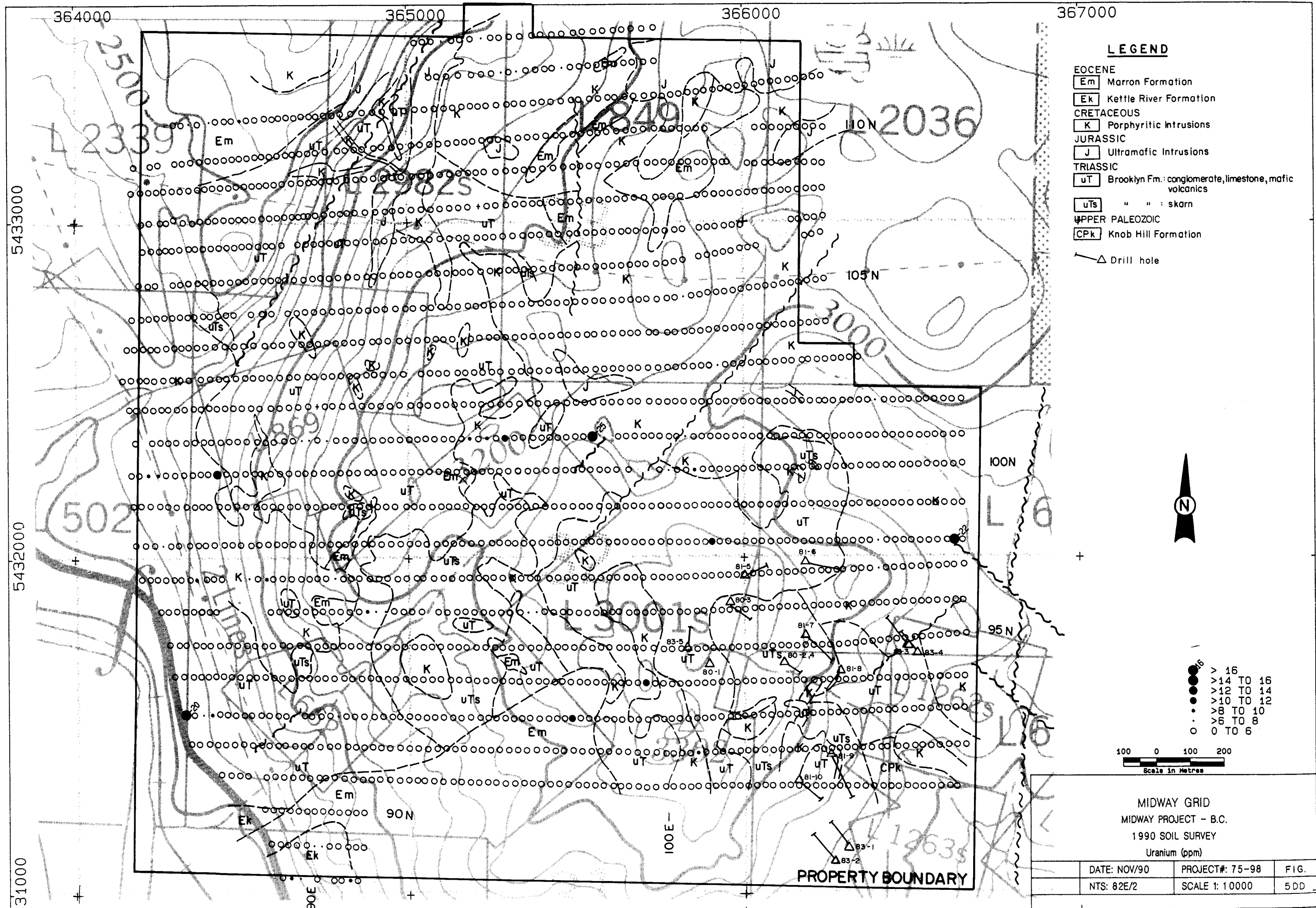
LEGEND

- EOCENE
 - Em Marron Formation
 - Ek Kettle River Formation
 - CRETACEOUS
 - K Porphyritic Intrusions
 - JURASSIC
 - J Ultramafic Intrusions
 - TRIASSIC
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 - CPK Knob Hill Formation
- △ Drill hole



MIDWAY GRID MIDWAY PROJECT - B.C. 1990 SOIL SURVEY Thorium (ppm)		
DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5CC

PROPERTY BOUNDARY



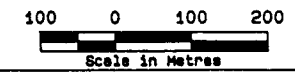
LEGEND

- EOCENE
 - Em Marron Formation
 - Ek Kettle River Formation
- CRETACEOUS
 - K Porphyritic Intrusions
- JURASSIC
 - J Ultramafic Intrusions
- TRIASSIC
 - uT Brooklyn Fm.: conglomerate, limestone, mafic volcanics
 - uTs " " : skarn
- UPPER PALEOZOIC
 - CPk Knob Hill Formation

△ Drill hole



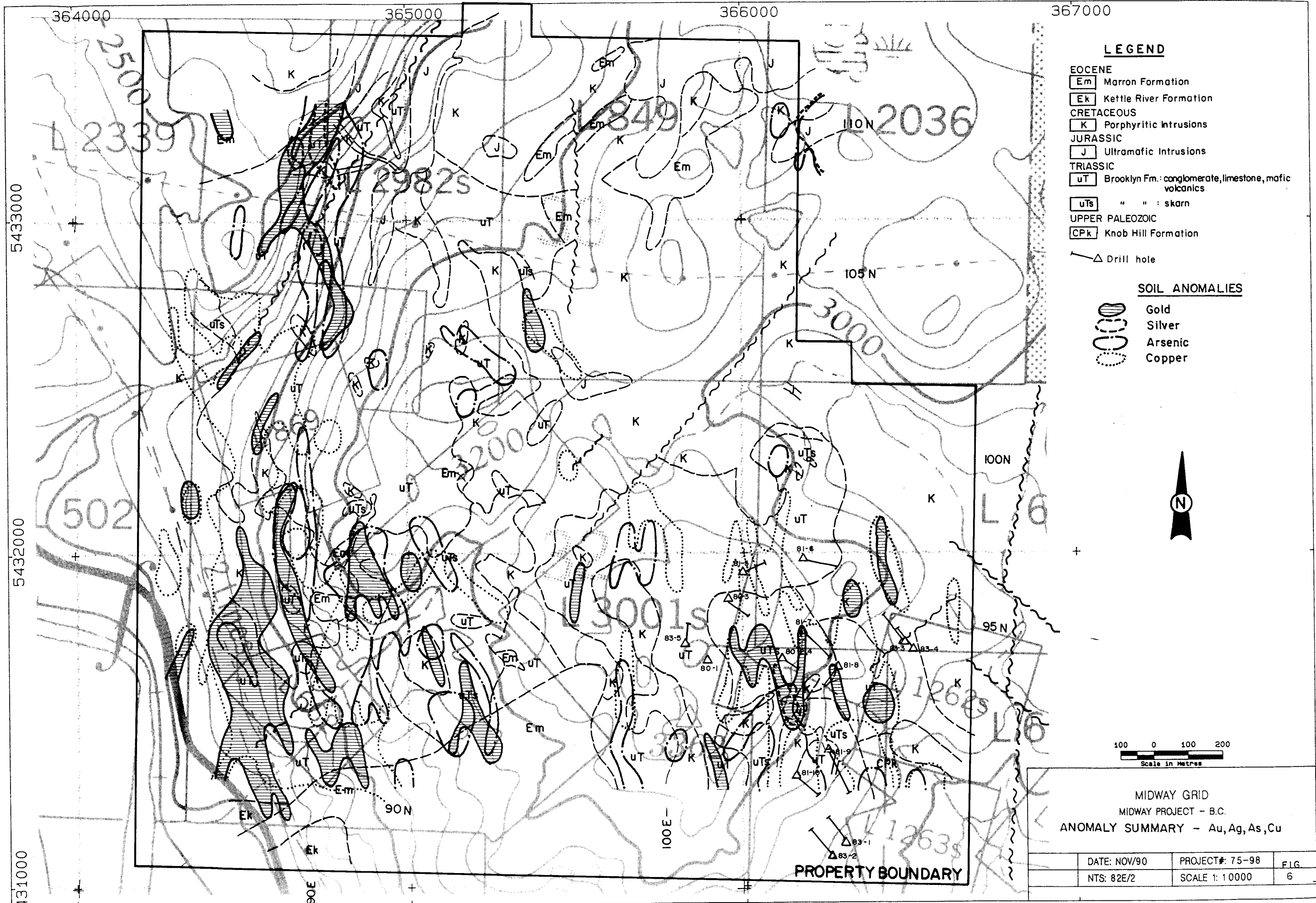
- > 16
- > 14 TO 16
- > 12 TO 14
- > 10 TO 12
- > 8 TO 10
- > 6 TO 8
- 0 TO 6



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 1990 SOIL SURVEY
 Uranium (ppm)

DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	5 DD

PROPERTY BOUNDARY



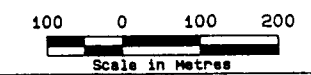
LEGEND

- EOCENE
 - Em Marron Formation
 - Ek Kettle River Formation
- CRETACEOUS
 - K Porphyritic Intrusions
- JURASSIC
 - J Ultramafic Intrusions
- TRIASSIC
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 - CPk Knob Hill Formation

△ Drill hole

SOIL ANOMALIES

- Gold
- Silver
- Arsenic
- Copper



MIDWAY GRID
 MIDWAY PROJECT - B.C.
 ANOMALY SUMMARY - Au, Ag, As, Cu

DATE: NOV/90	PROJECT#: 75-98	FIG.
NTS: 82E/2	SCALE 1: 10000	6

PROPERTY BOUNDARY