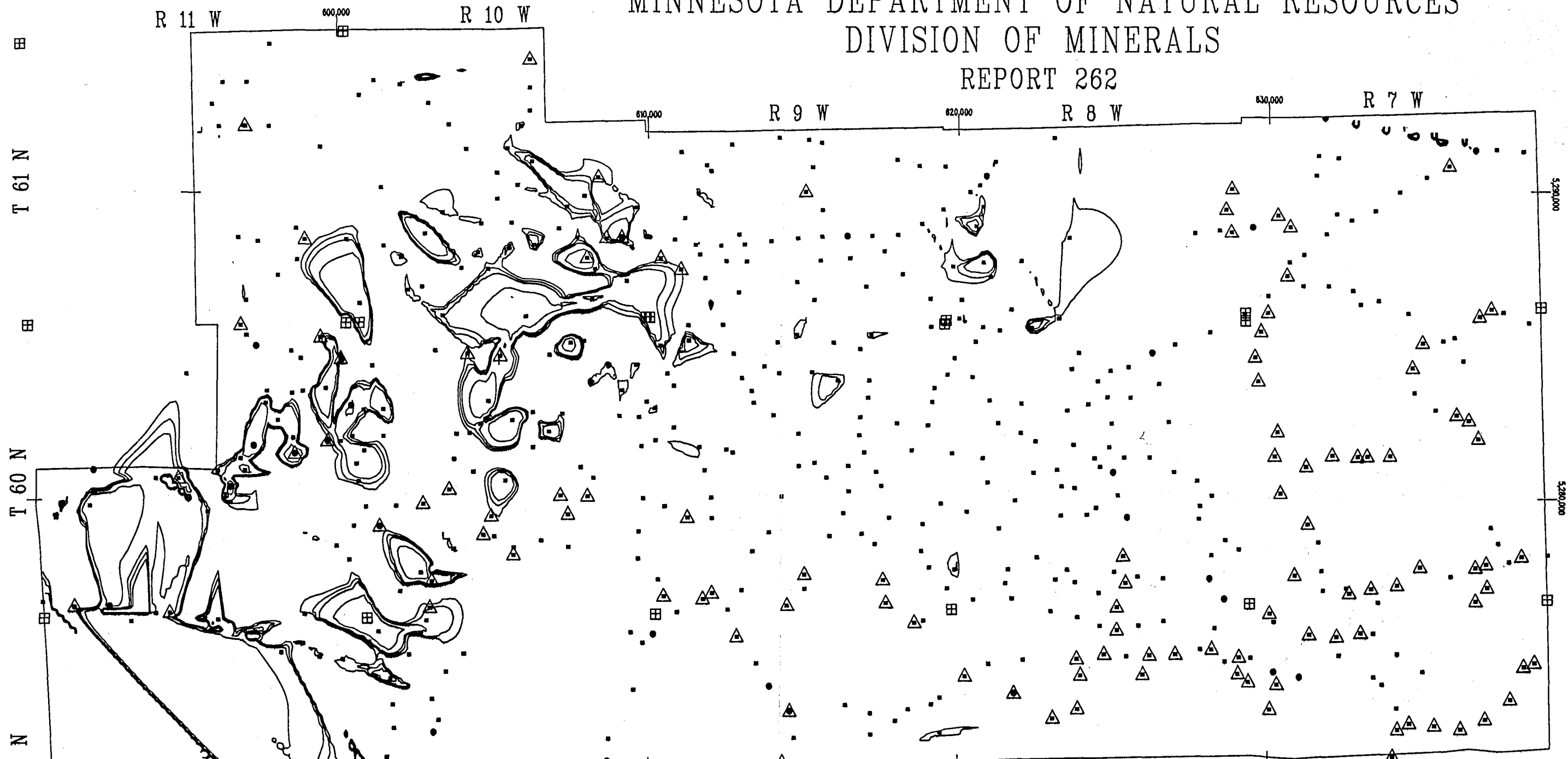
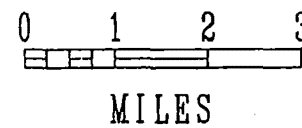


MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
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EXPLANATION

- |                  |                      |
|------------------|----------------------|
| Township Corners | PT (95th percentile) |
| Sample Locations | PD (80th percentile) |
| Study Area       |                      |
| UTM Coordinates  |                      |

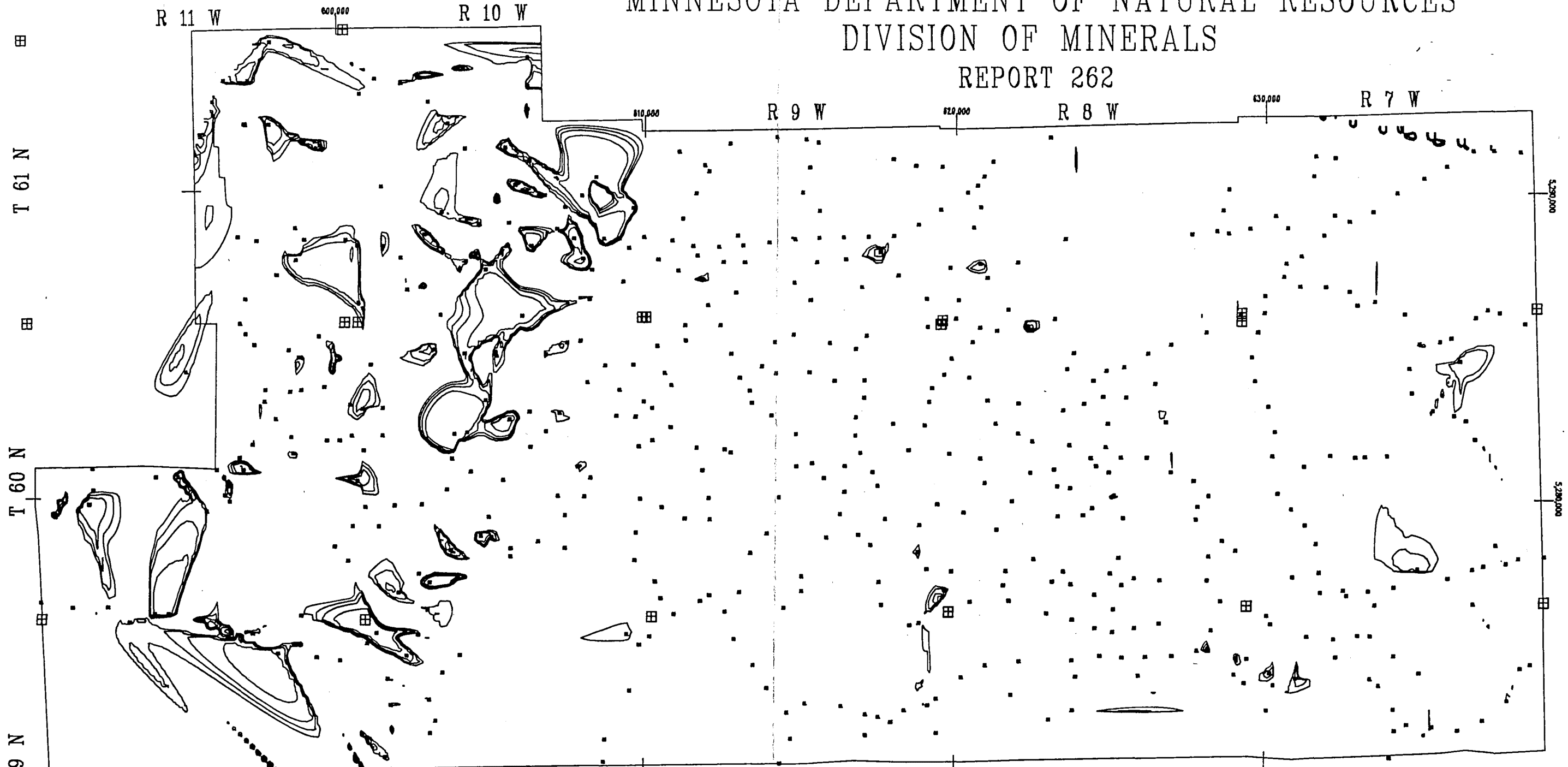






GEOCHEMICAL MAP

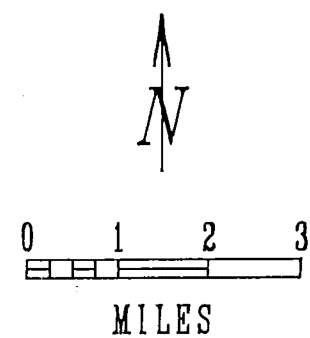
CR, PT, PD  
 HEAVY MINERAL CONCENTRATE  
 CR contours shown at 80, 85,  
 90 and 95 percentiles.

Map 1

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- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  UTM Coordinates



**GEOCHEMICAL MAP**

MGO  
 CLAY

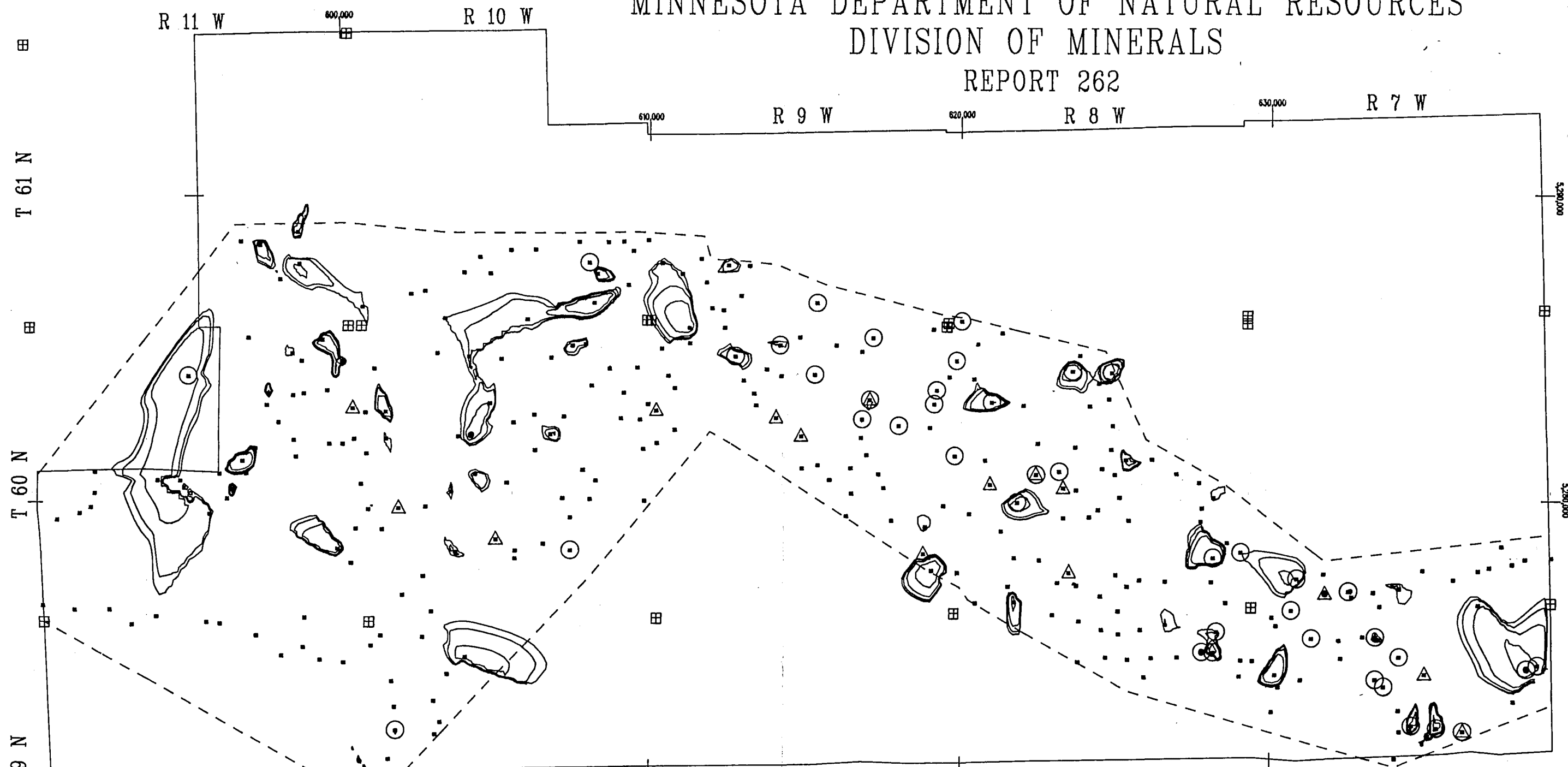
MGO contours shown at 80, 85  
 90 and 95 percentiles.

Map 21

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EXPLANATION

- |                       |                      |
|-----------------------|----------------------|
| Township Corners      | PT > 10 ppb          |
| Sample Locations      | PD (90th percentile) |
| Study Area            | IR (85th percentile) |
| Vegetation Study Area |                      |
| UTM Coordinates       |                      |



GEOCHEMICAL MAP

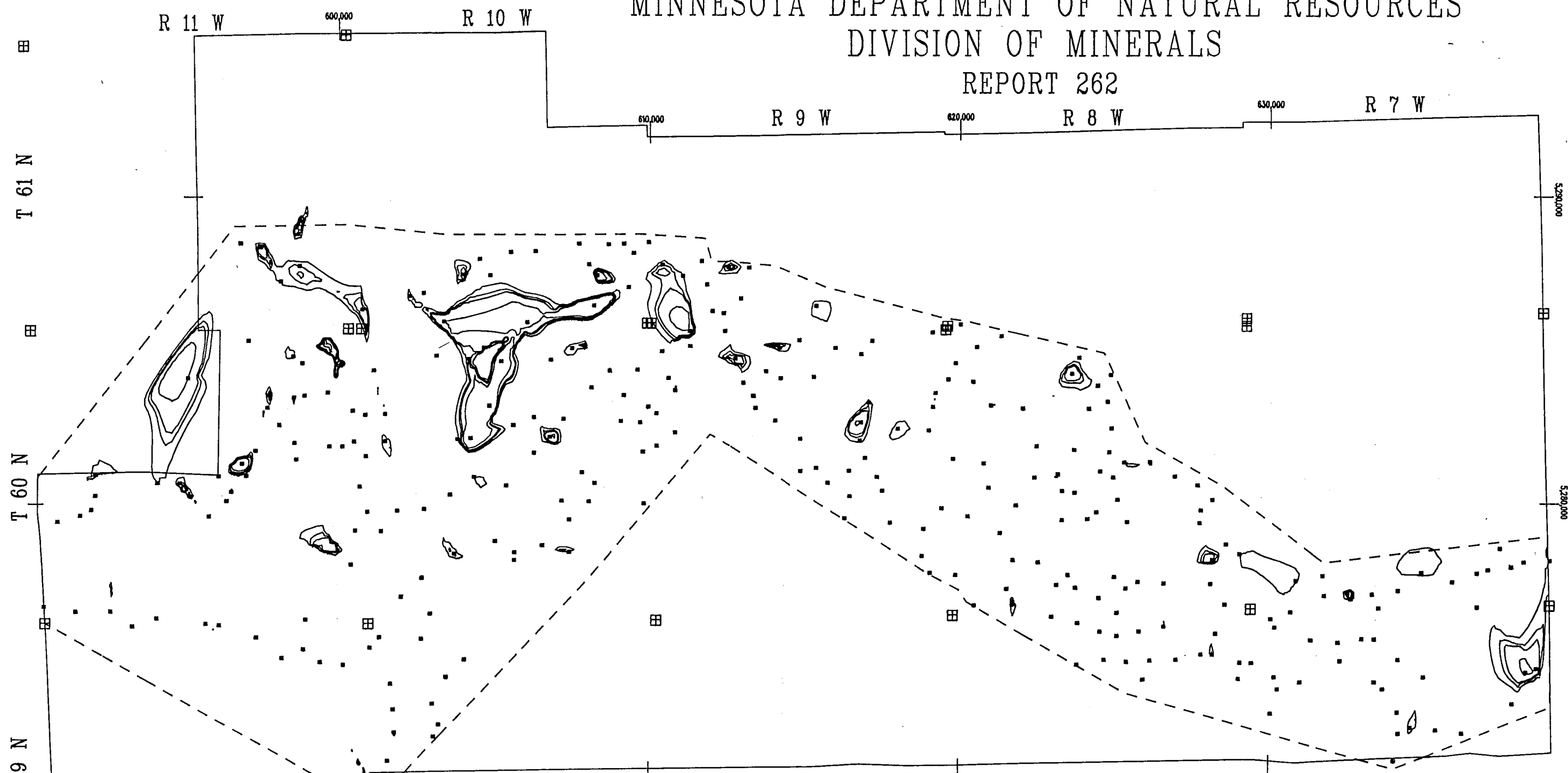
CR, PT, PD, IR  
HUMUS

CR contours shown at 80, 85,  
90 and 95 percentiles.






Map 22

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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates

**GEOCHEMICAL MAP**

CO  
 HUMUS

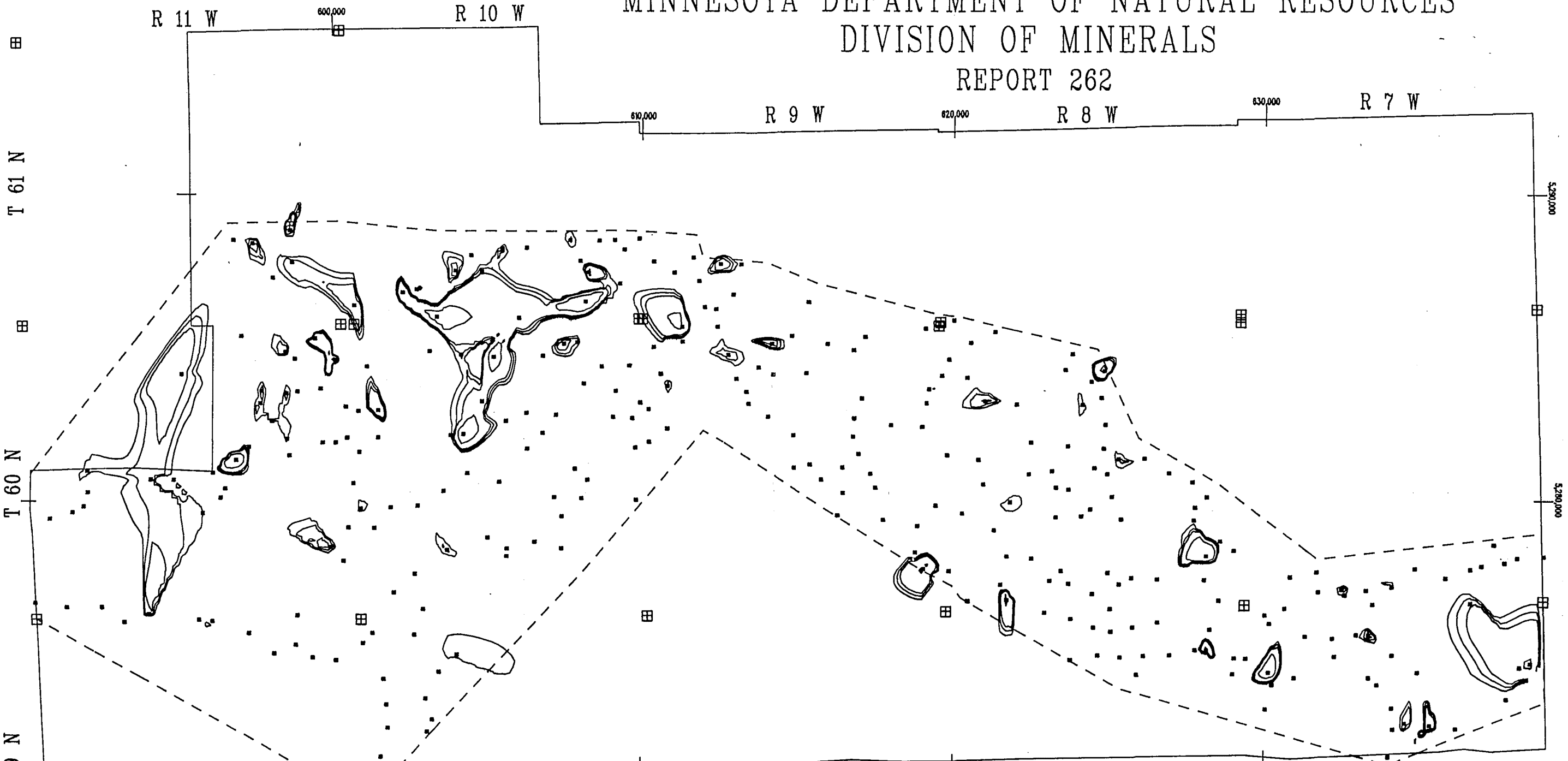
CO contours shown at 80, 85,  
 90 and 95 percentiles.

Map 23






LMC/PIC 6/89

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EXPLANATION

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates



MILES

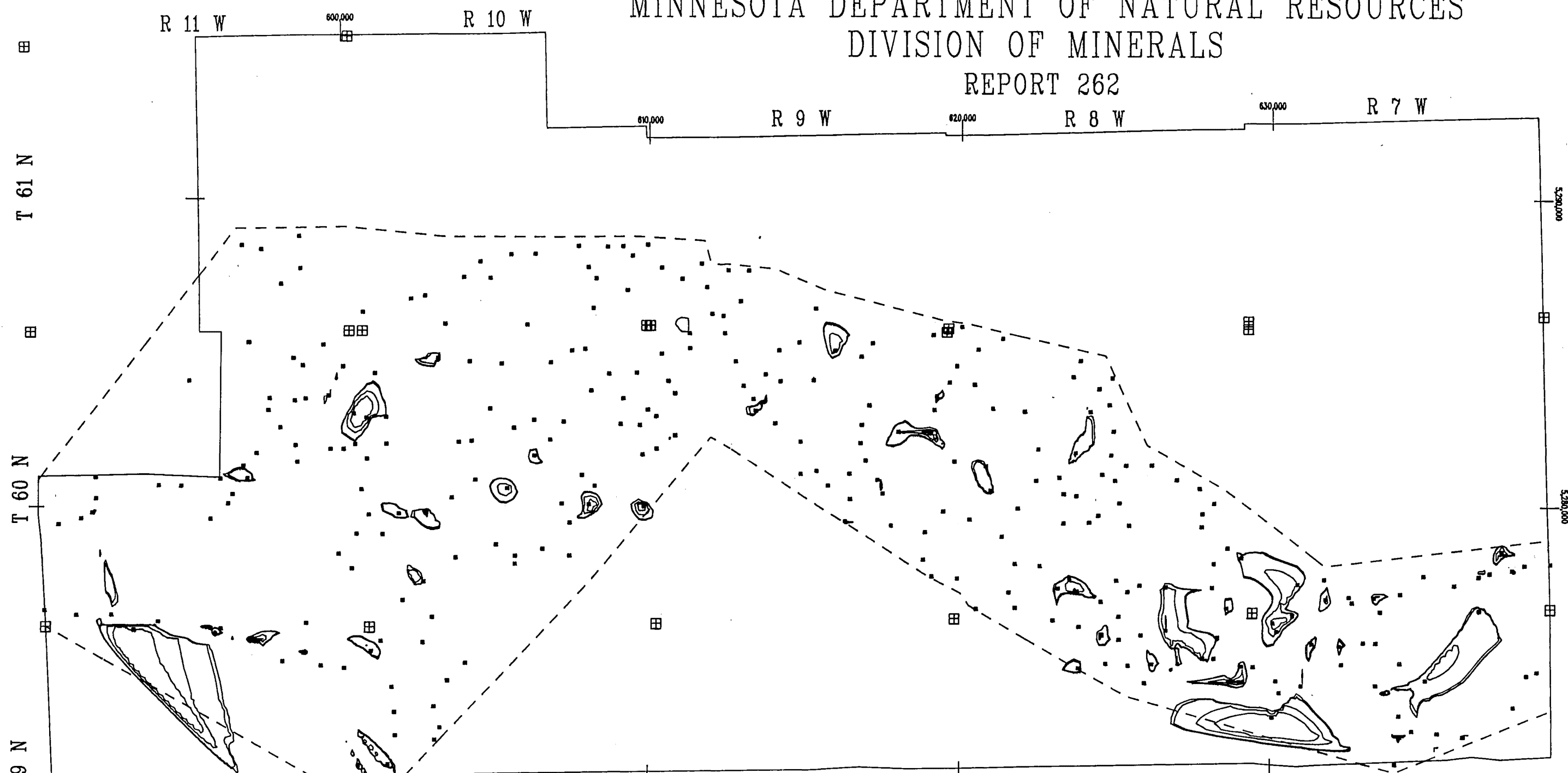
GEOCHEMICAL MAP

NI  
HUMUS

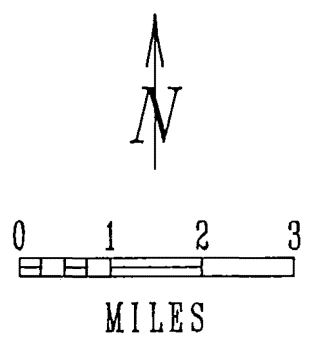
NI contours shown at 80, 85,  
90 and 95 percentiles.

Map 24

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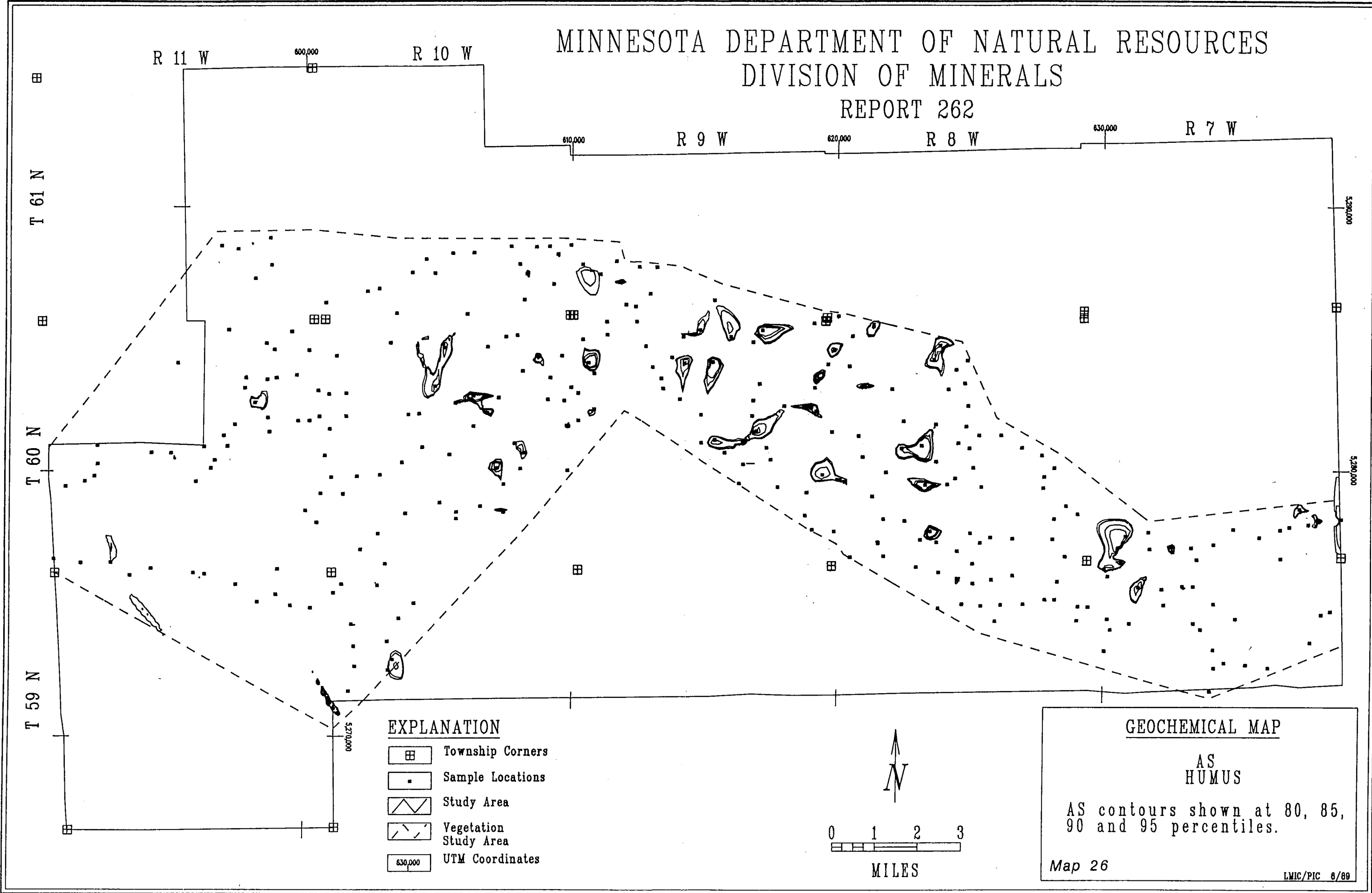
- EXPLANATION**
- Township Corners
  - Sample Locations
  - Study Area
  - Vegetation Study Area
  - UTM Coordinates








**GEOCHEMICAL MAP**  
 ZN  
 HUMUS  
 ZN contours shown at 80, 85,  
 90 and 95 percentiles.  
 Map 25  
 LMC/PIC 8/89

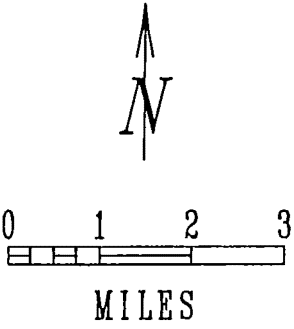
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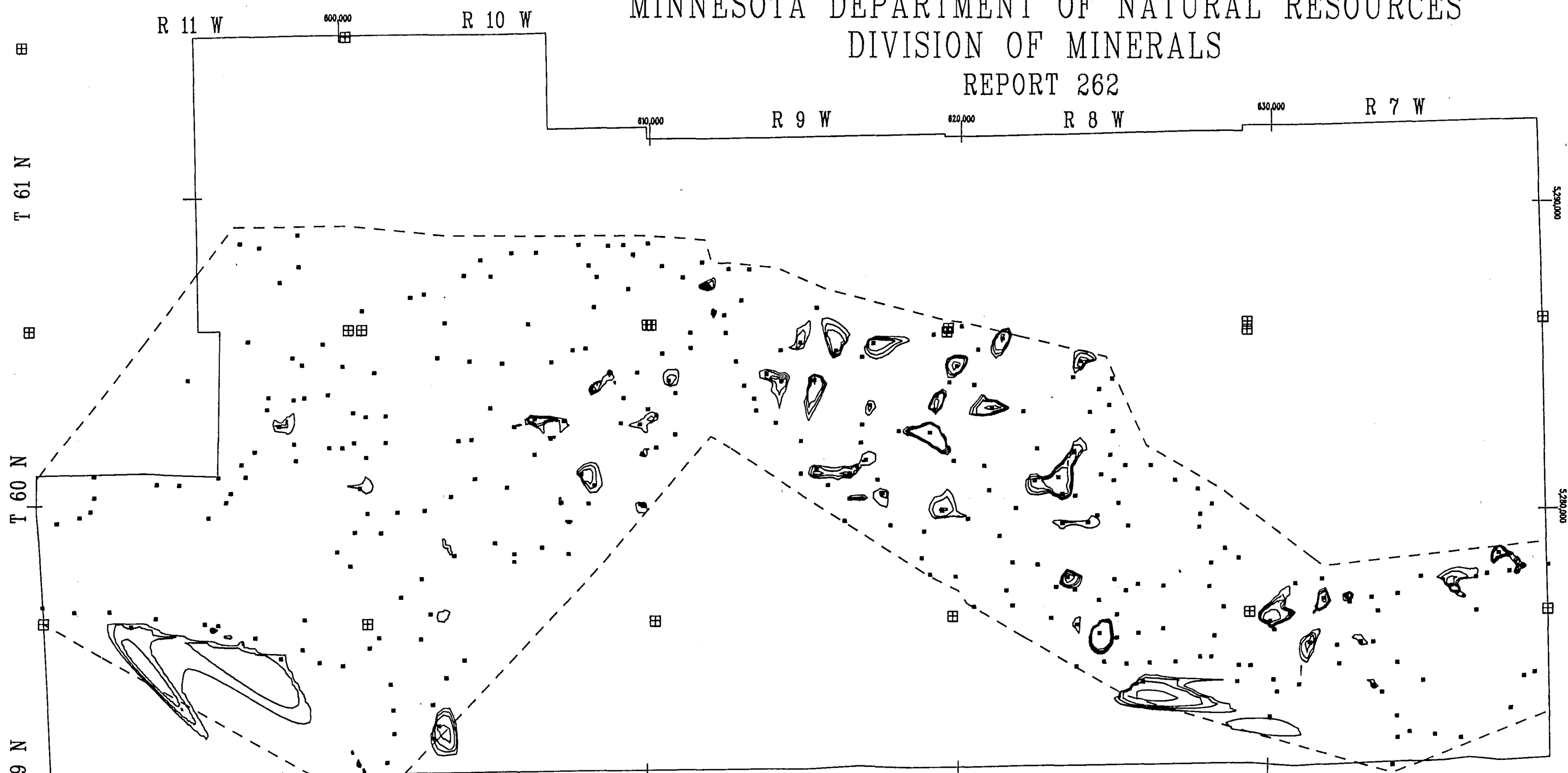
EXPLANATION

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates

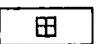


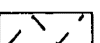
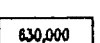


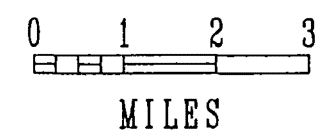
GEOCHEMICAL MAP  
 AS  
 HUMUS  
 AS contours shown at 80, 85,  
 90 and 95 percentiles.  
 Map 26  
 LMC/PIC 8/89

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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates



**GEOCHEMICAL MAP**

SB  
 HUMUS

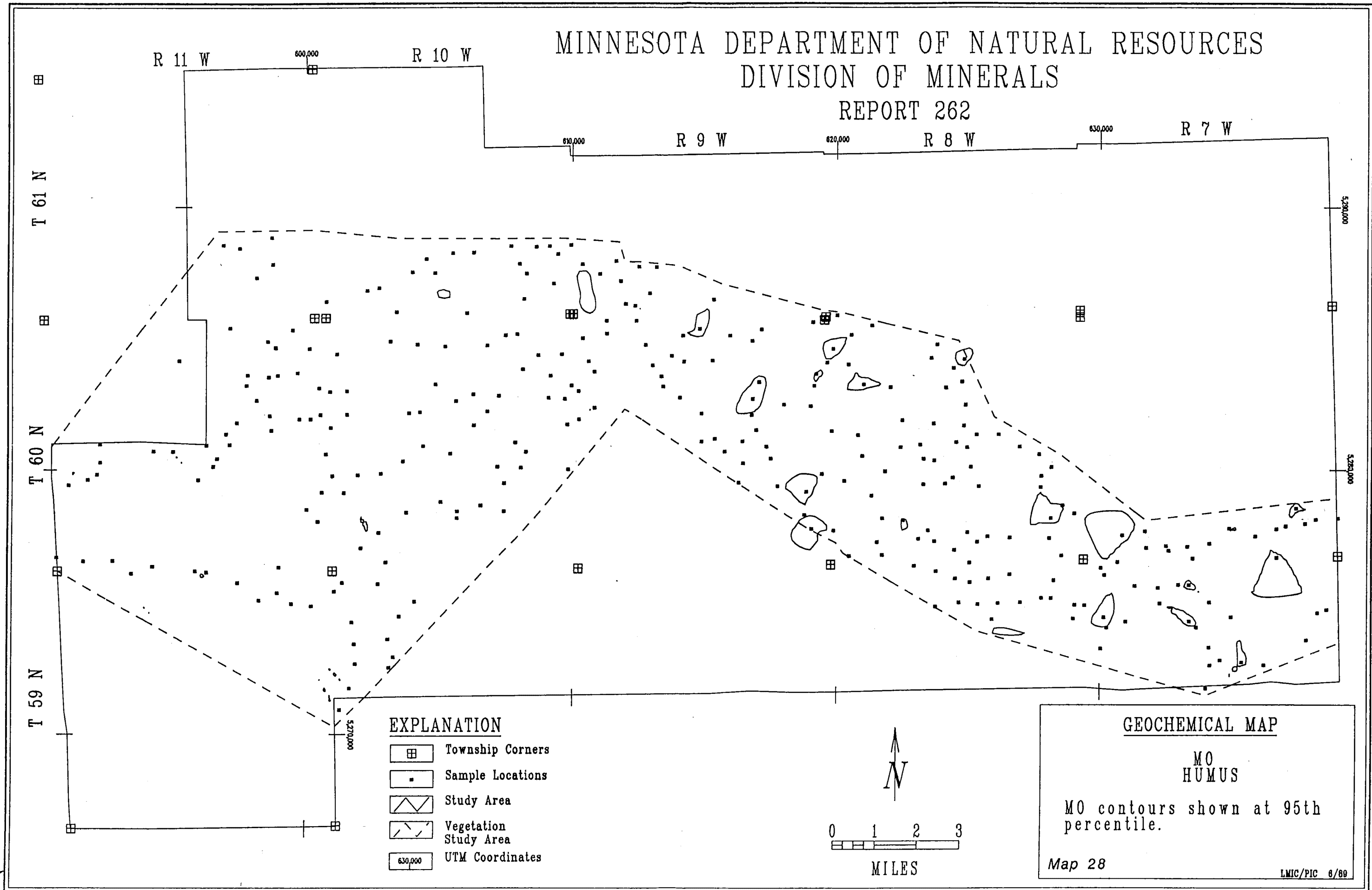
SB contours shown at 80, 85,  
 90 and 95 percentiles.






Map 27



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- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  Vegetation Study Area
  -  UTM Coordinates

**GEOCHEMICAL MAP**

MO  
 HUMUS

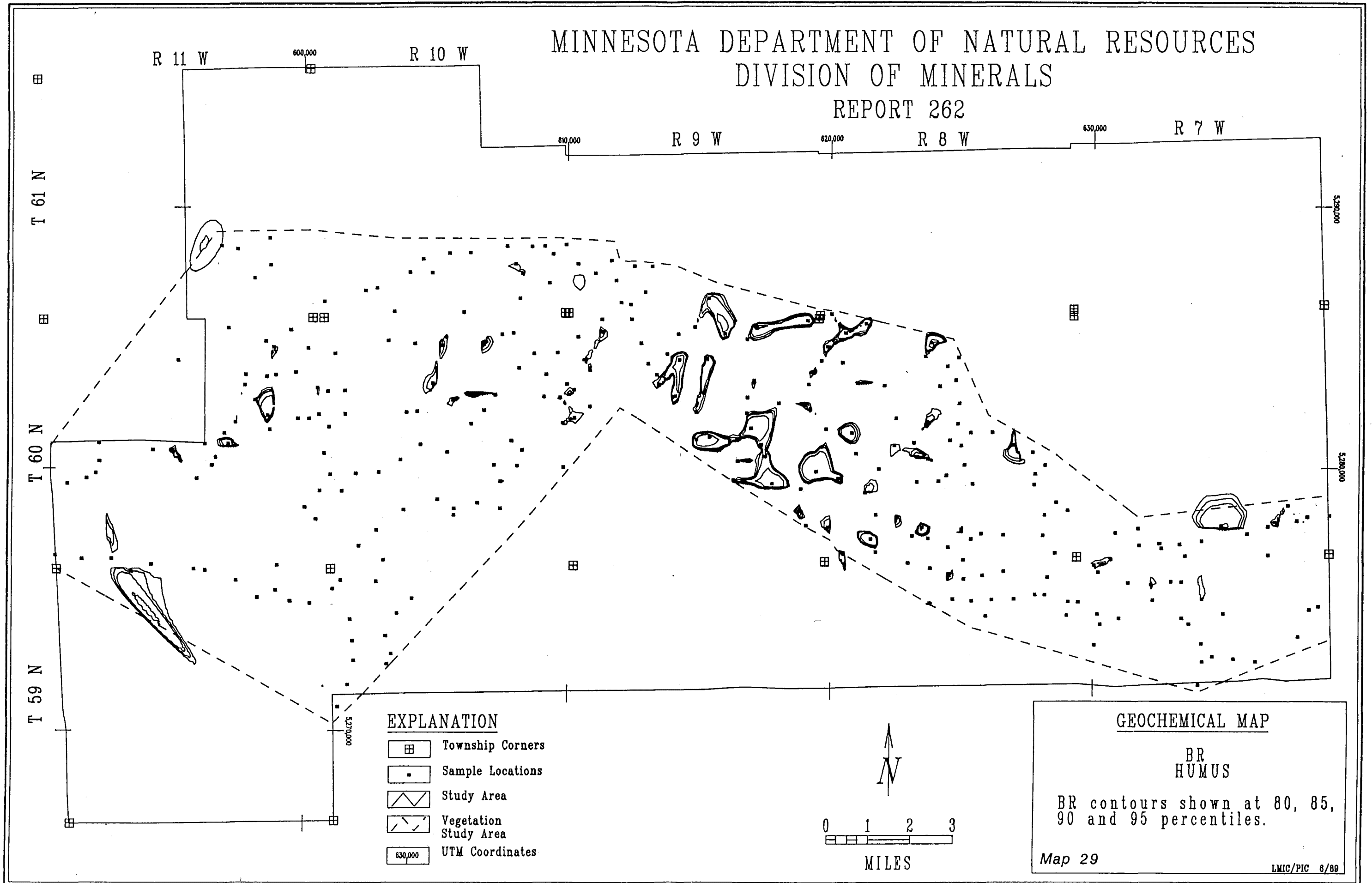
MO contours shown at 95th percentile.

Map 28

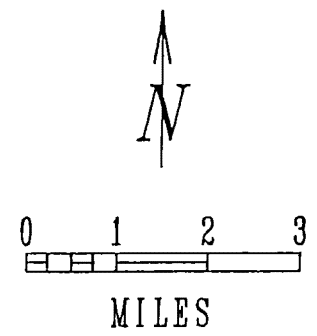
LMIK/PIC 6/89

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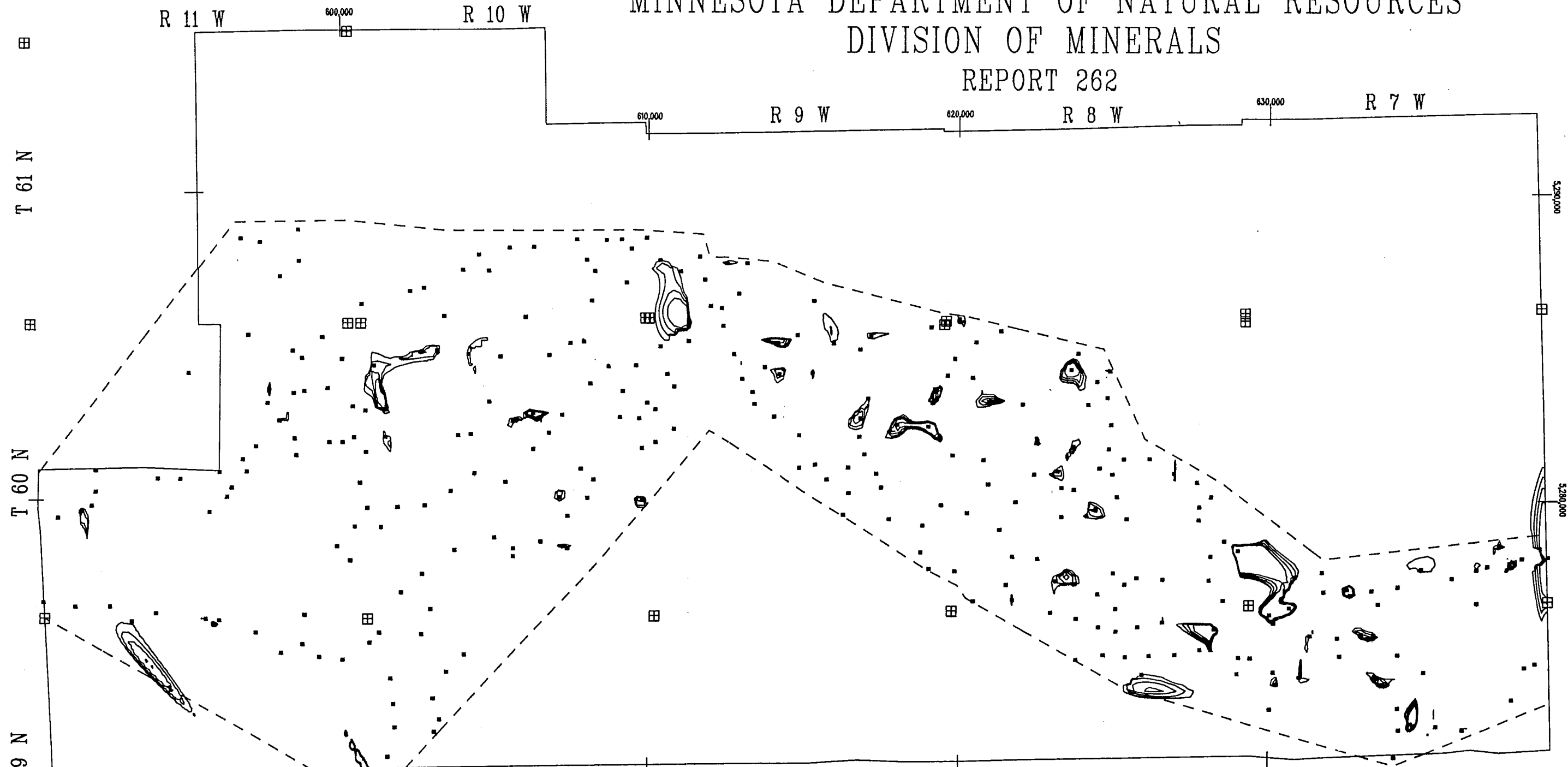
- EXPLANATION**
- Township Corners
  - Sample Locations
  - Study Area
  - Vegetation Study Area
  - UTM Coordinates








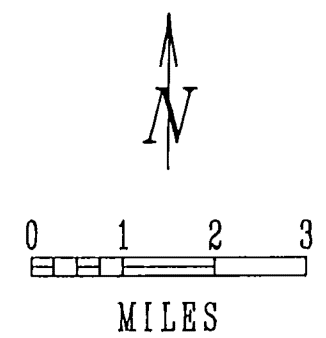
**GEOCHEMICAL MAP**  
**BR HUMUS**  
BR contours shown at 80, 85, 90 and 95 percentiles.  
Map 29  
LMC/PIC 8/89

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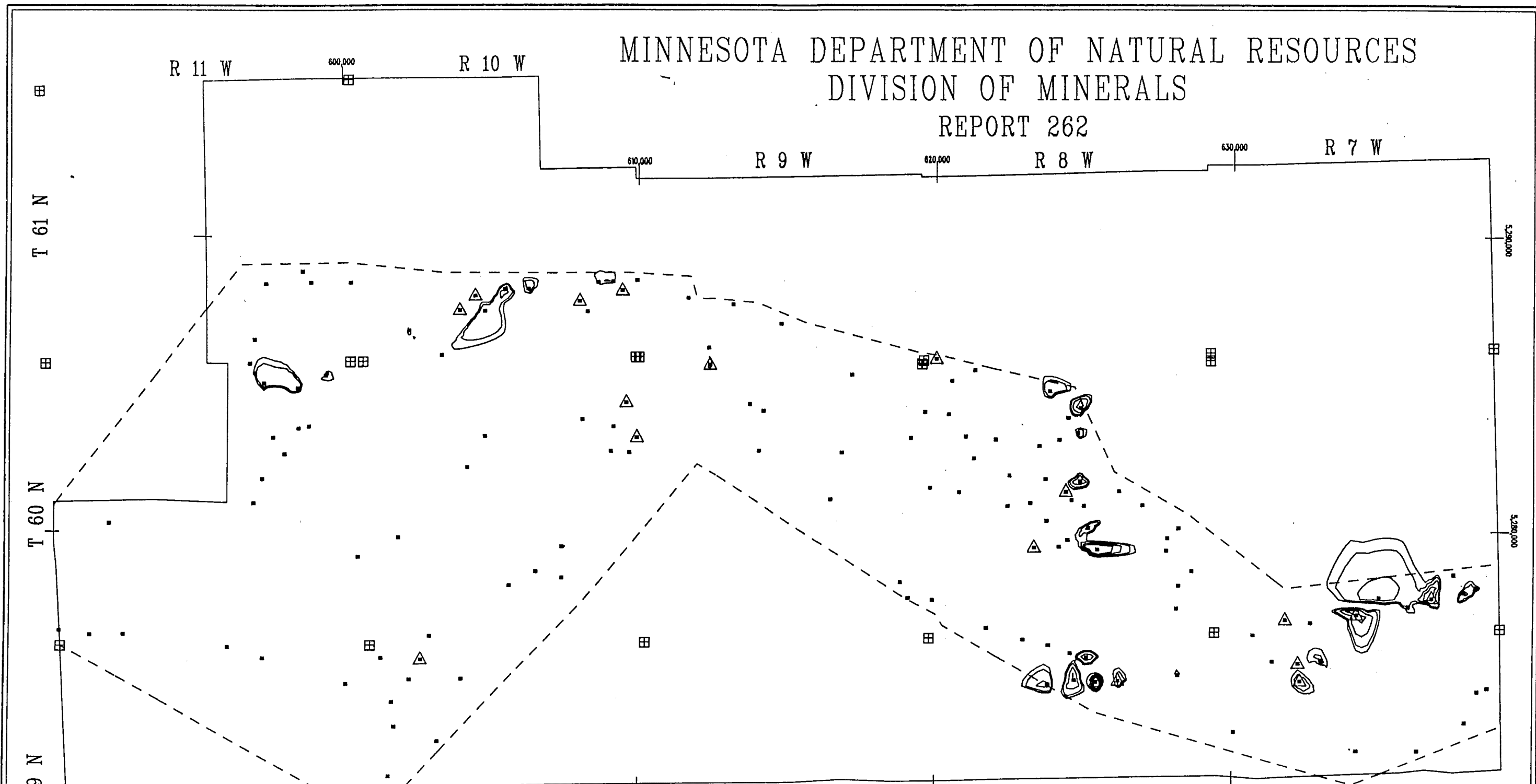


- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  Vegetation Study Area
  -  UTM Coordinates










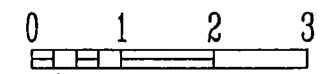
**GEOCHEMICAL MAP**  
BA  
HUMUS  
BA contours shown at 80, 85,  
90 and 95 percentiles.  
Map 30  
LMIC/PIC 8/89

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EXPLANATION

- |  |                       |   |                      |
|--|-----------------------|---|----------------------|
|  | Township Corners      |  | PD (90th percentile) |
|  | Sample Locations      |  | IR > .1 ppb          |
|  | Study Area            |   |                      |
|  | Vegetation Study Area |   |                      |
|  | UTM Coordinates       |   |                      |



MILES

GEOCHEMICAL MAP

CR, PD, IR  
 BLACK SPRUCE

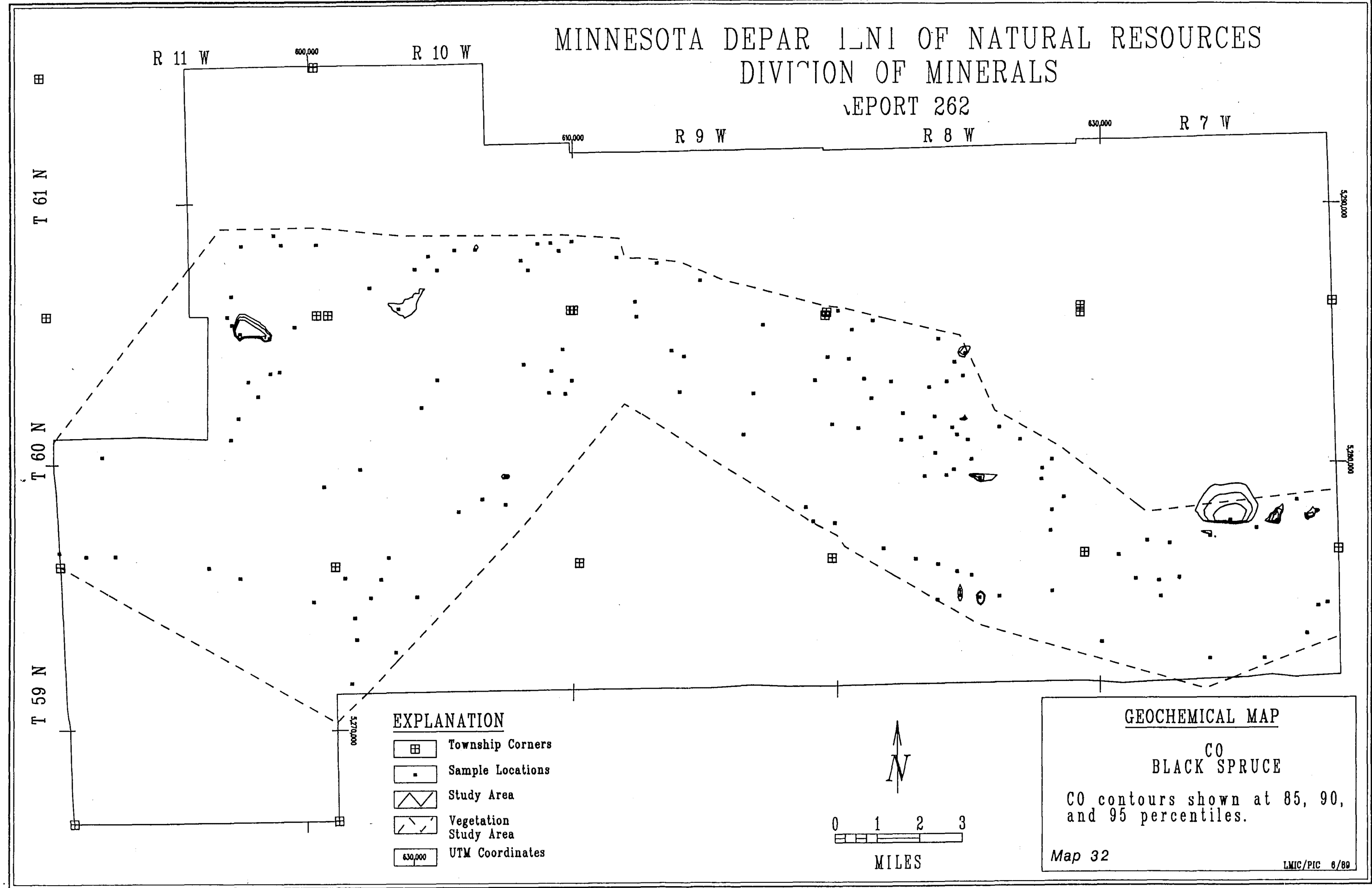
CR contours shown at 80, 85, 90 and 95 percentiles. No PT samples were above the detection threshold.

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Map 31

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GEOCHEMICAL MAP

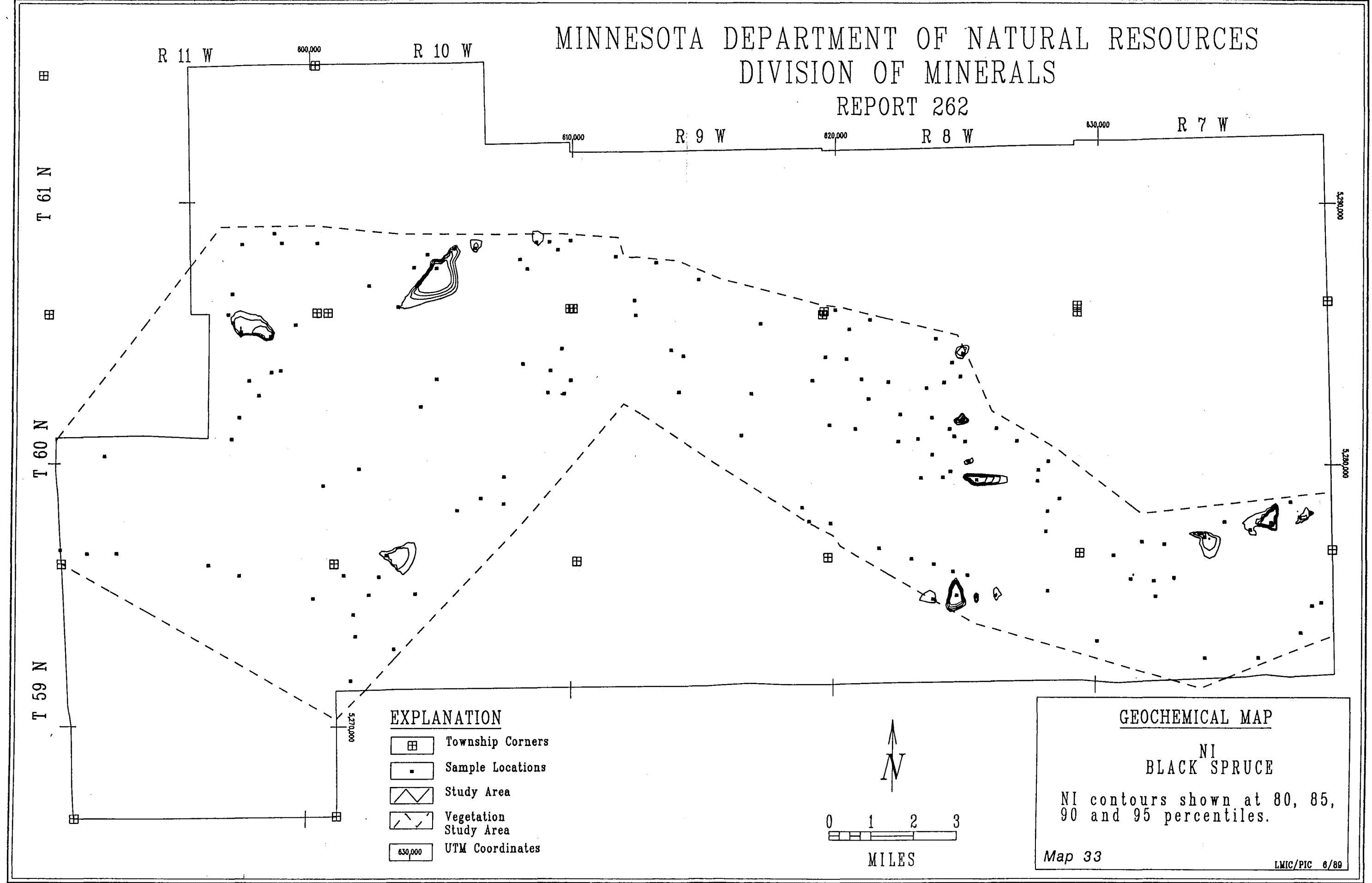
CO  
BLACK SPRUCE  
CO contours shown at 85, 90,  
and 95 percentiles.

Map 32






L/MIC/PIC 6/89

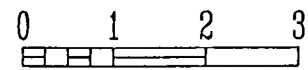
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EXPLANATION

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates



MILES

GEOCHEMICAL MAP

NI  
BLACK SPRUCE

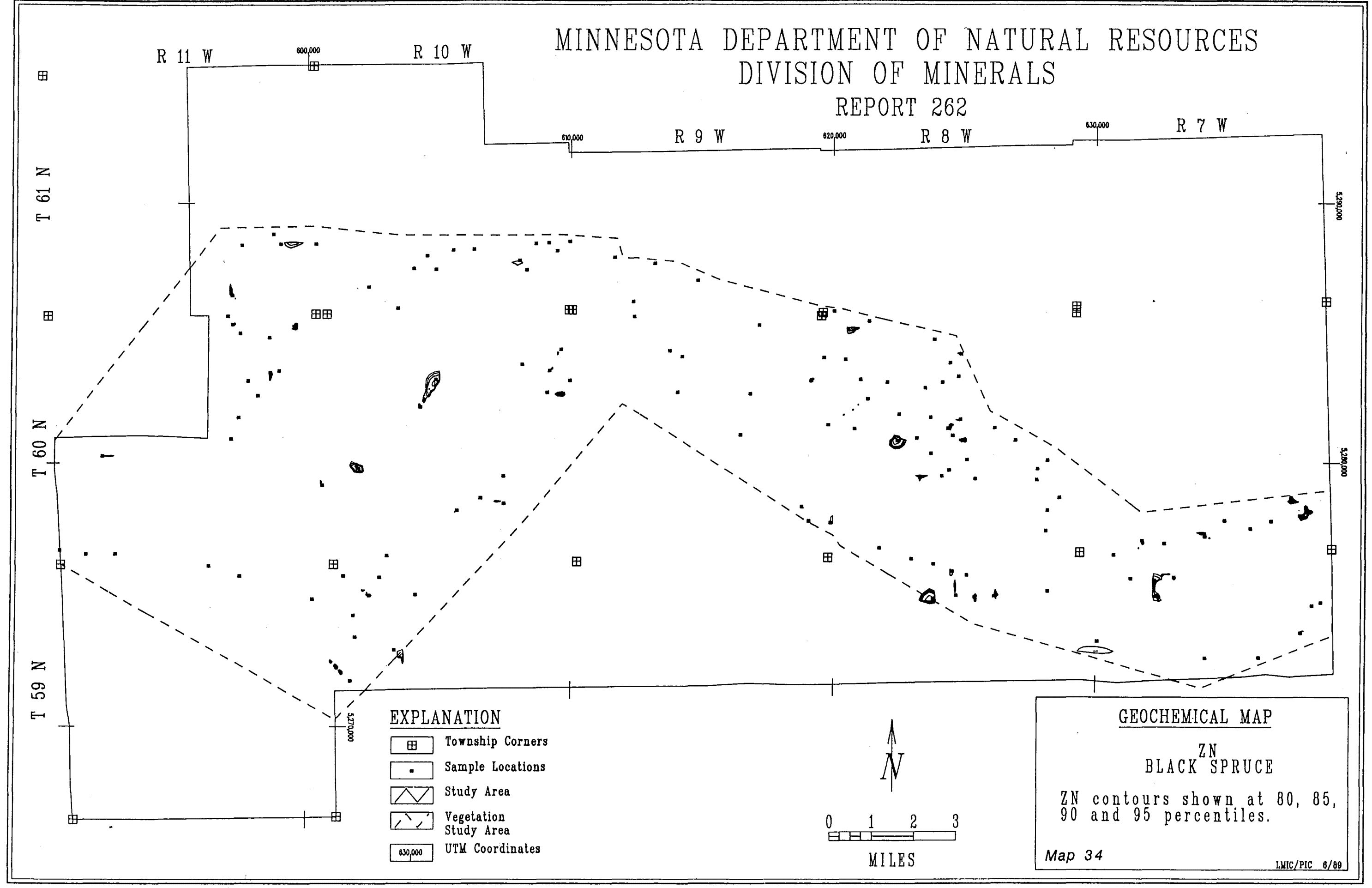
NI contours shown at 80, 85,  
90 and 95 percentiles.

Map 33






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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates

**GEOCHEMICAL MAP**

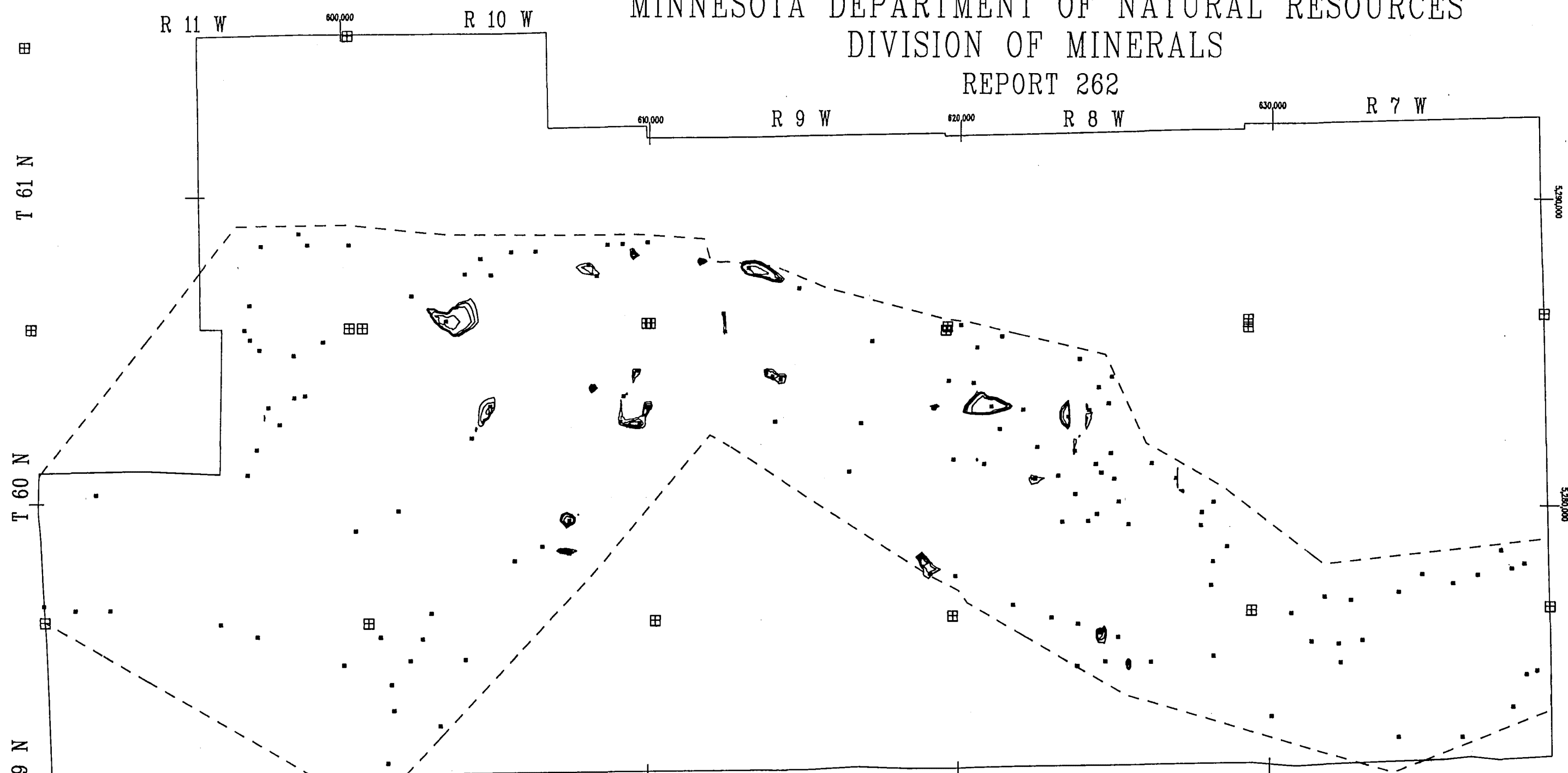
**ZN  
BLACK SPRUCE**

ZN contours shown at 80, 85,  
90 and 95 percentiles.

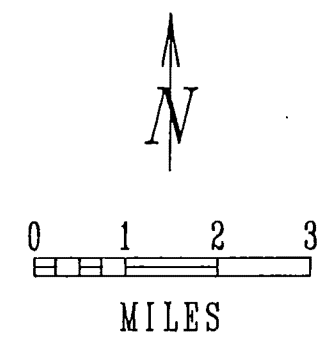
Map 34

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- EXPLANATION**
- Township Corners
  - Sample Locations
  - Study Area
  - Vegetation Study Area
  - UTM Coordinates



**GEOCHEMICAL MAP**

BR  
 BLACK SPRUCE

BR contours shown at 80, 85,  
 90 and 95 percentiles.

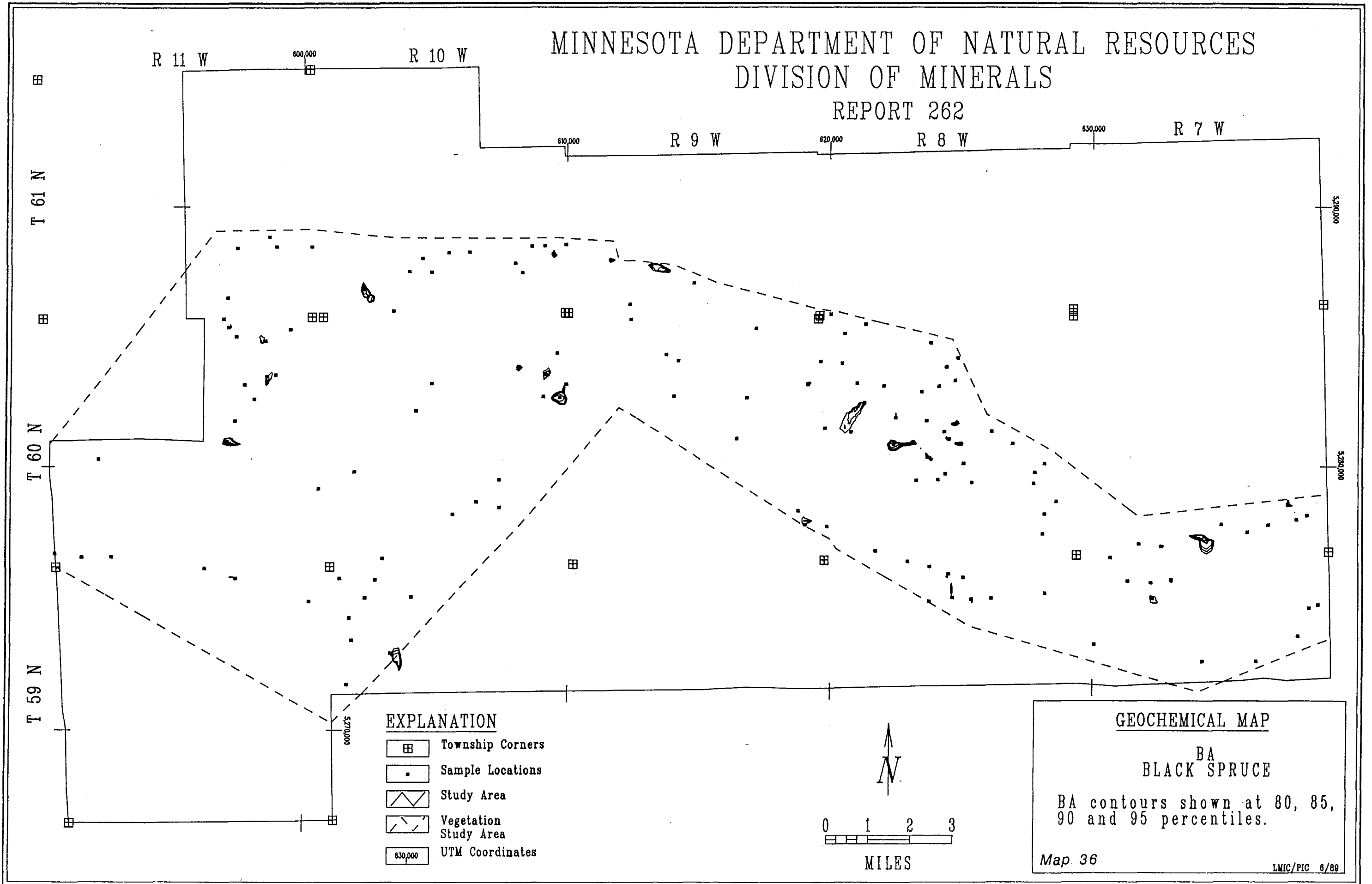
Map 35

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






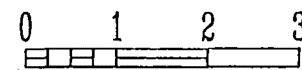
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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates



MILES

**GEOCHEMICAL MAP**

BA  
BLACK SPRUCE

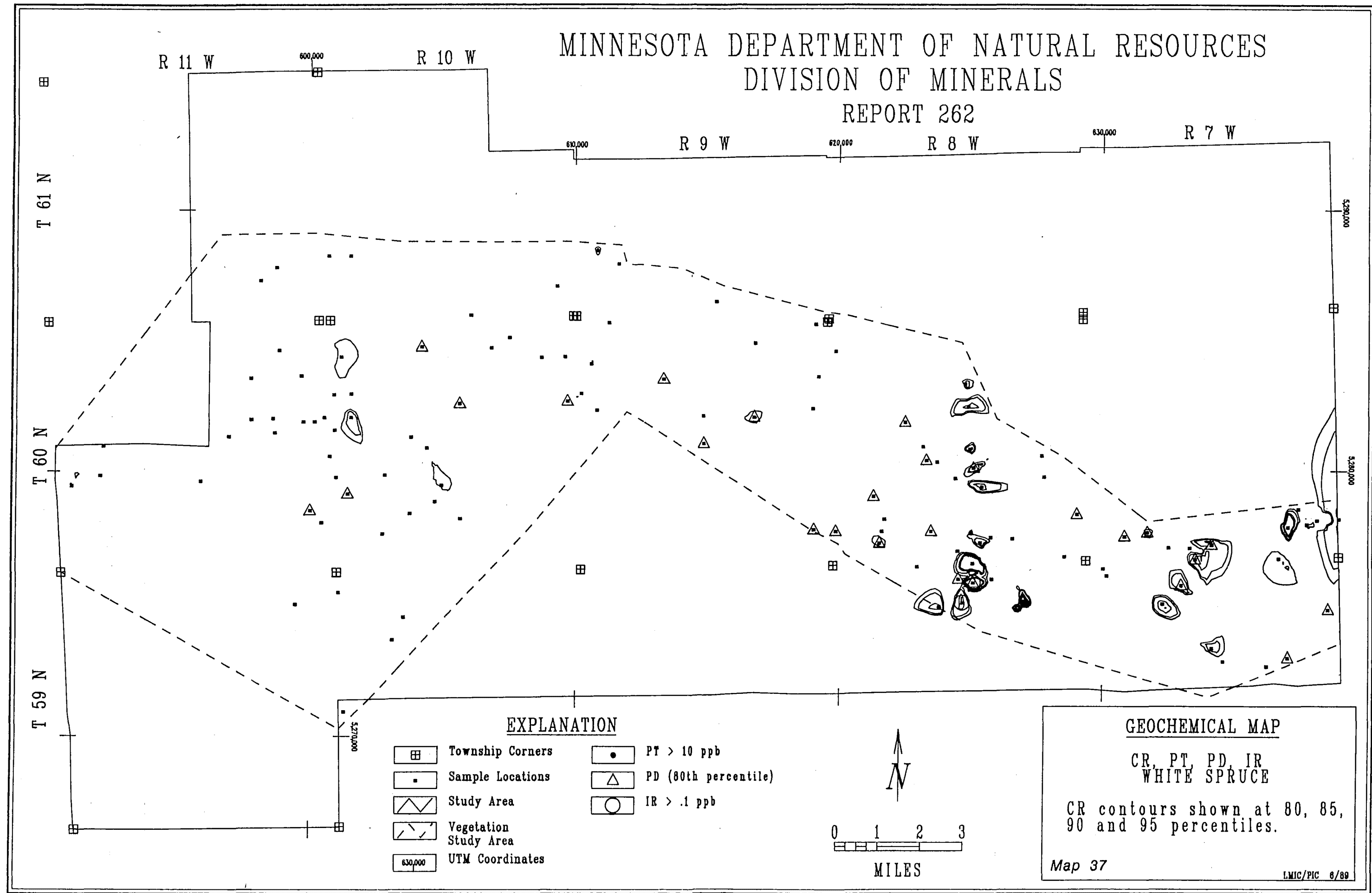
BA contours shown at 80, 85,  
90 and 95 percentiles.

Map 36

LMIC/PIC 6/89

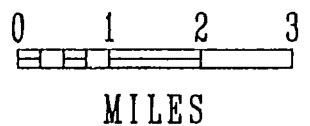
# MINNESOTA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINERALS

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### EXPLANATION

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; border: 1px solid black; border-style: dashed; margin-right: 5px;"></span> Township Corners</li> <li><span style="display: inline-block; width: 10px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> Sample Locations</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px dashed black; margin-right: 5px;"></span> Study Area</li> <li><span style="display: inline-block; width: 20px; border-bottom: 1px solid black; margin-right: 5px;"></span> Vegetation Study Area</li> <li><span style="display: inline-block; width: 20px; height: 10px; border: 1px solid black; margin-right: 5px;"></span> UTM Coordinates</li> </ul> | <ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 10px; border: 1px solid black; border-radius: 50%; margin-right: 5px;"></span> PT &gt; 10 ppb</li> <li><span style="display: inline-block; width: 15px; height: 10px; border: 1px solid black; border-style: dashed; margin-right: 5px;"></span> PD (80th percentile)</li> <li><span style="display: inline-block; width: 15px; height: 10px; border: 1px solid black; border-radius: 50%; margin-right: 5px;"></span> IR &gt; .1 ppb</li> </ul> |
|---|--|



### GEOCHEMICAL MAP

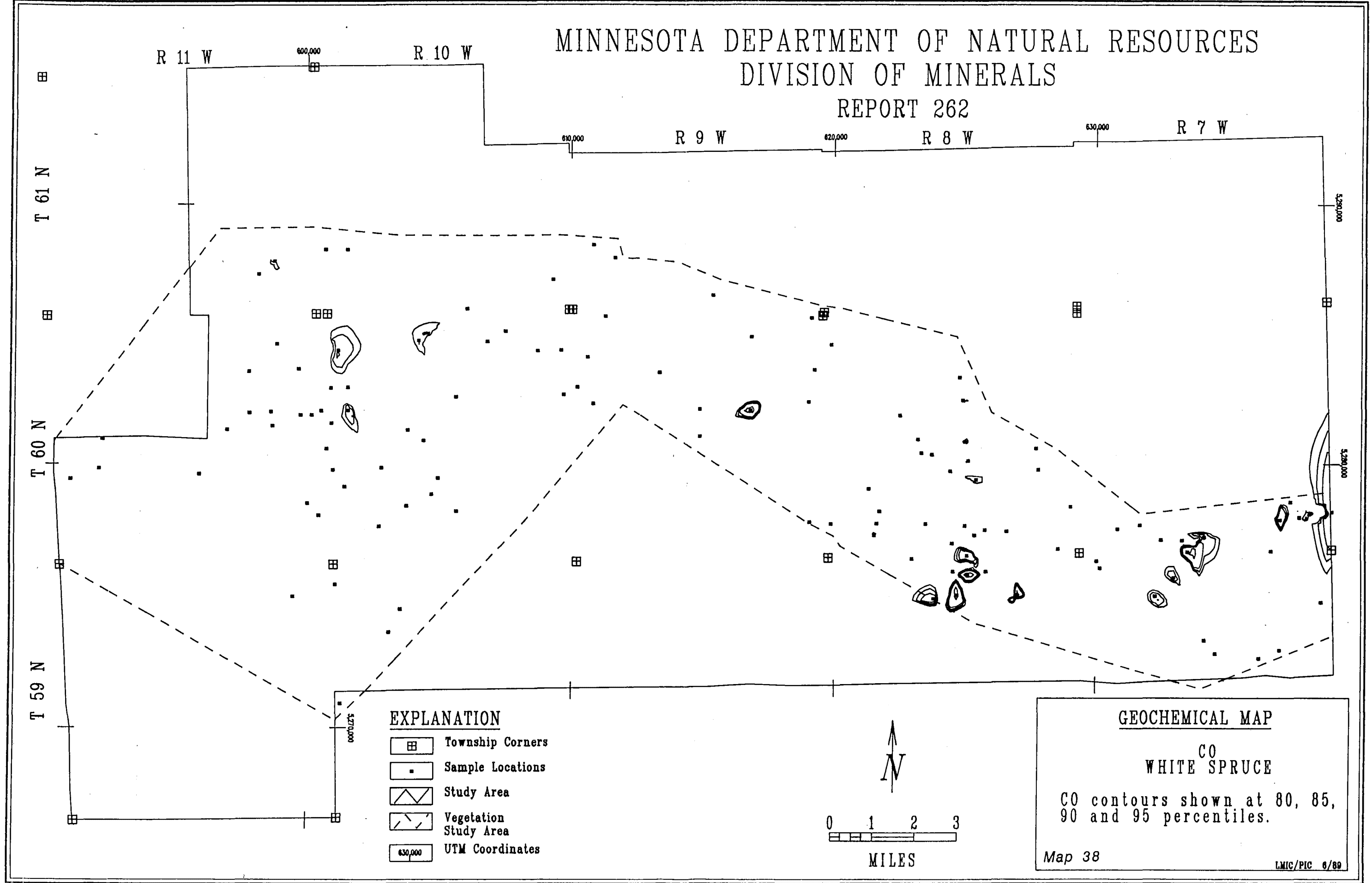
CR, PT, PD, IR  
WHITE SPRUCE

CR contours shown at 80, 85,  
90 and 95 percentiles.






Map 37

MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINERALS

REPORT 262



**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates

**GEOCHEMICAL MAP**

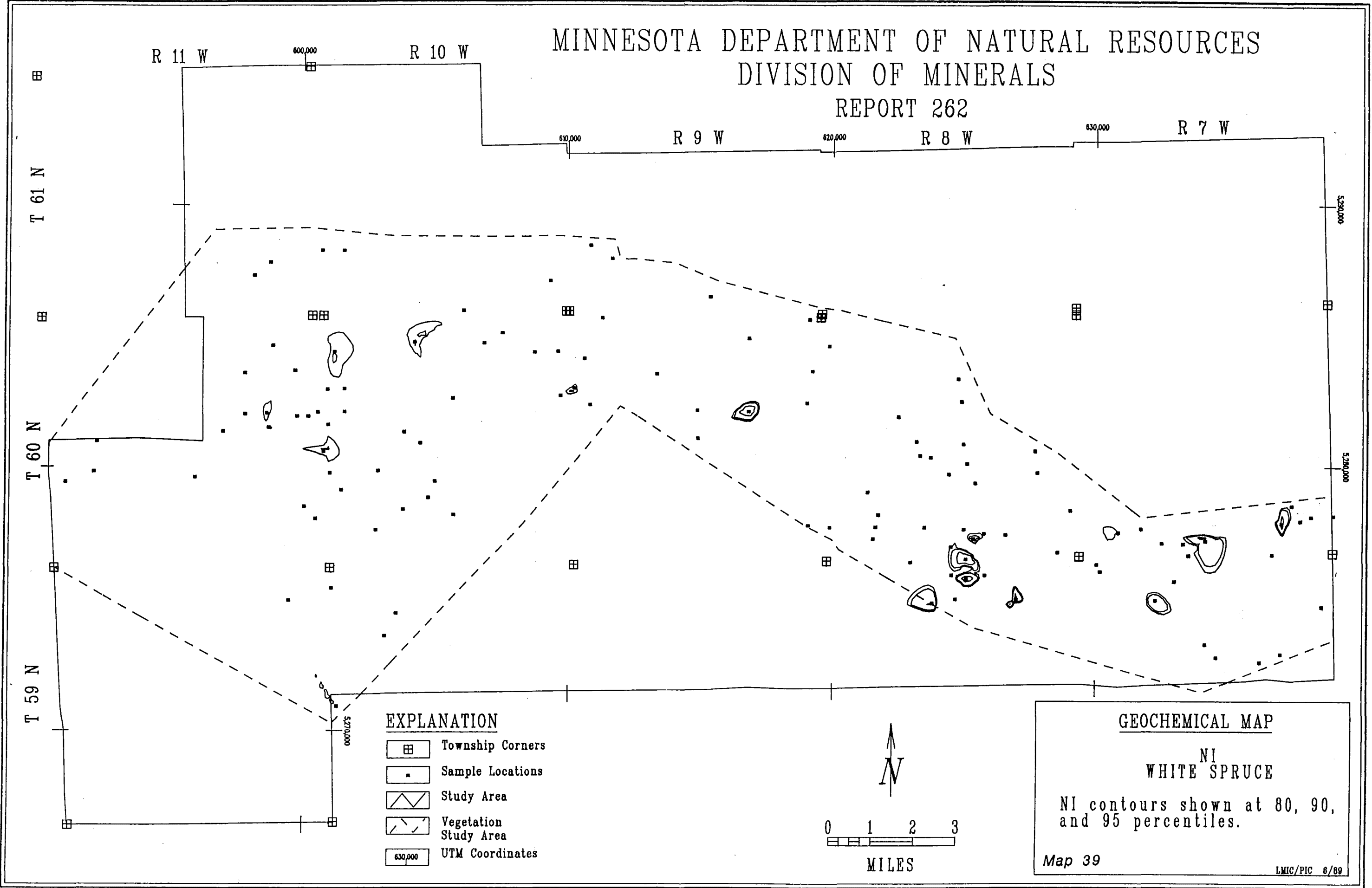
CO  
WHITE SPRUCE  
CO contours shown at 80, 85,  
90 and 95 percentiles.






Map 38

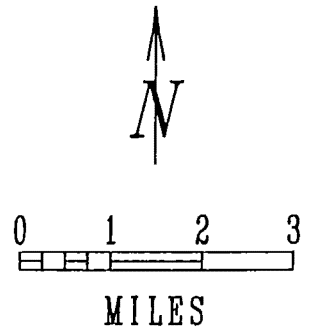
LMIC/PIC 6/89

MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF MINERALS

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- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  Vegetation Study Area
  -  UTM Coordinates



**GEOCHEMICAL MAP**

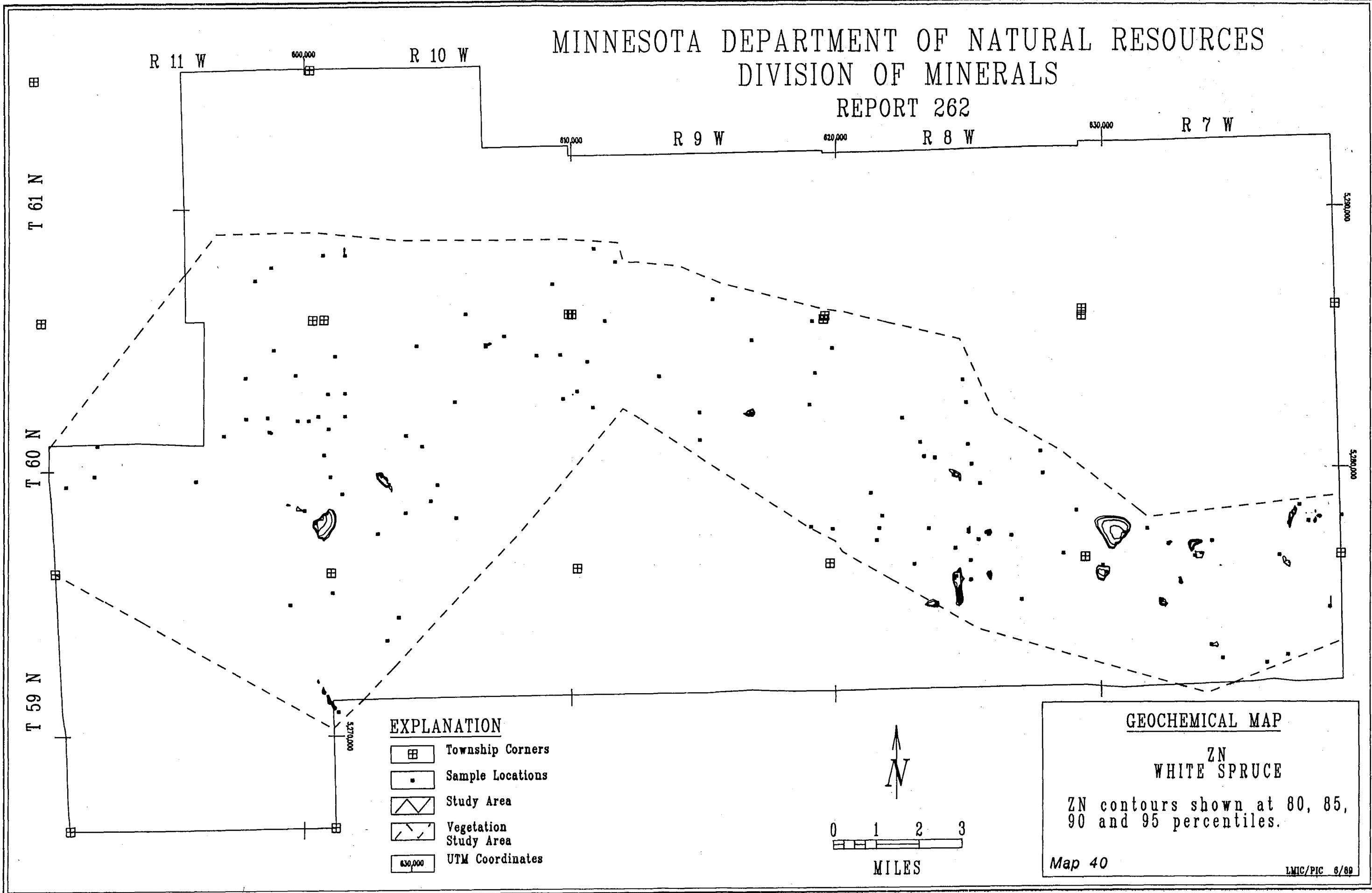
Ni  
 WHITE SPRUCE

Ni contours shown at 80, 90,  
 and 95 percentiles.

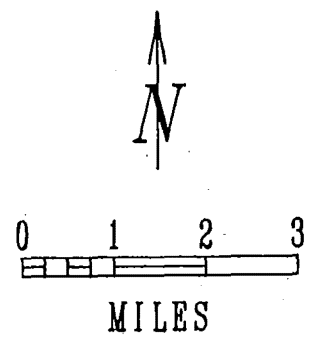
Map 39

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MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF MINERALS  
 REPORT 262



- EXPLANATION**
- Township Corners
  - Sample Locations
  - Study Area
  - Vegetation Study Area
  - UTM Coordinates



**GEOCHEMICAL MAP**

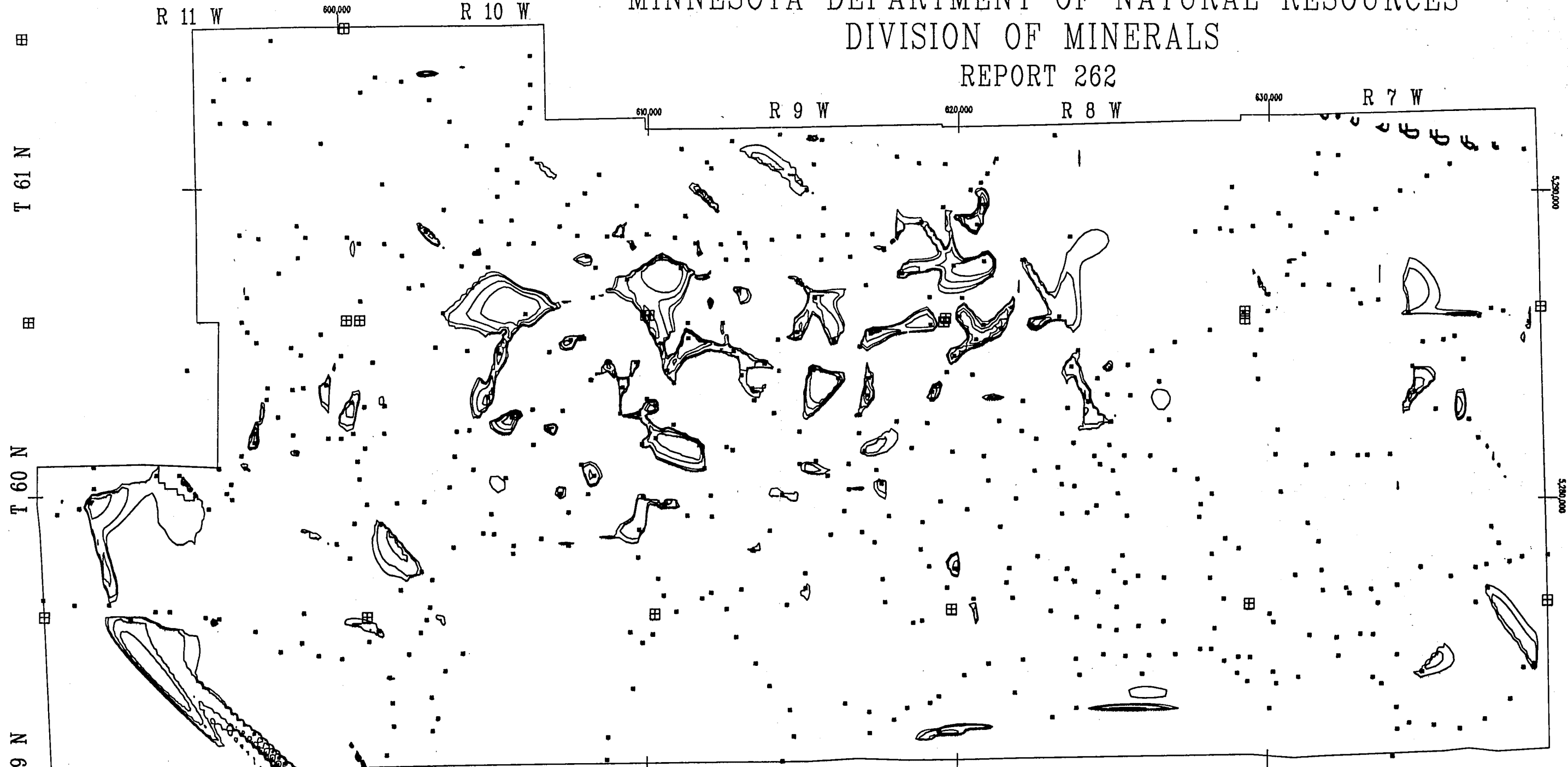
ZN  
 WHITE SPRUCE





ZN contours shown at 80, 85,  
 90 and 95 percentiles.

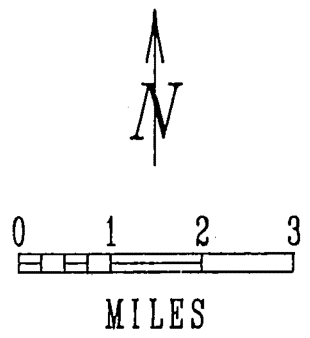
Map 40

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MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF MINERALS  
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- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  UTM Coordinates



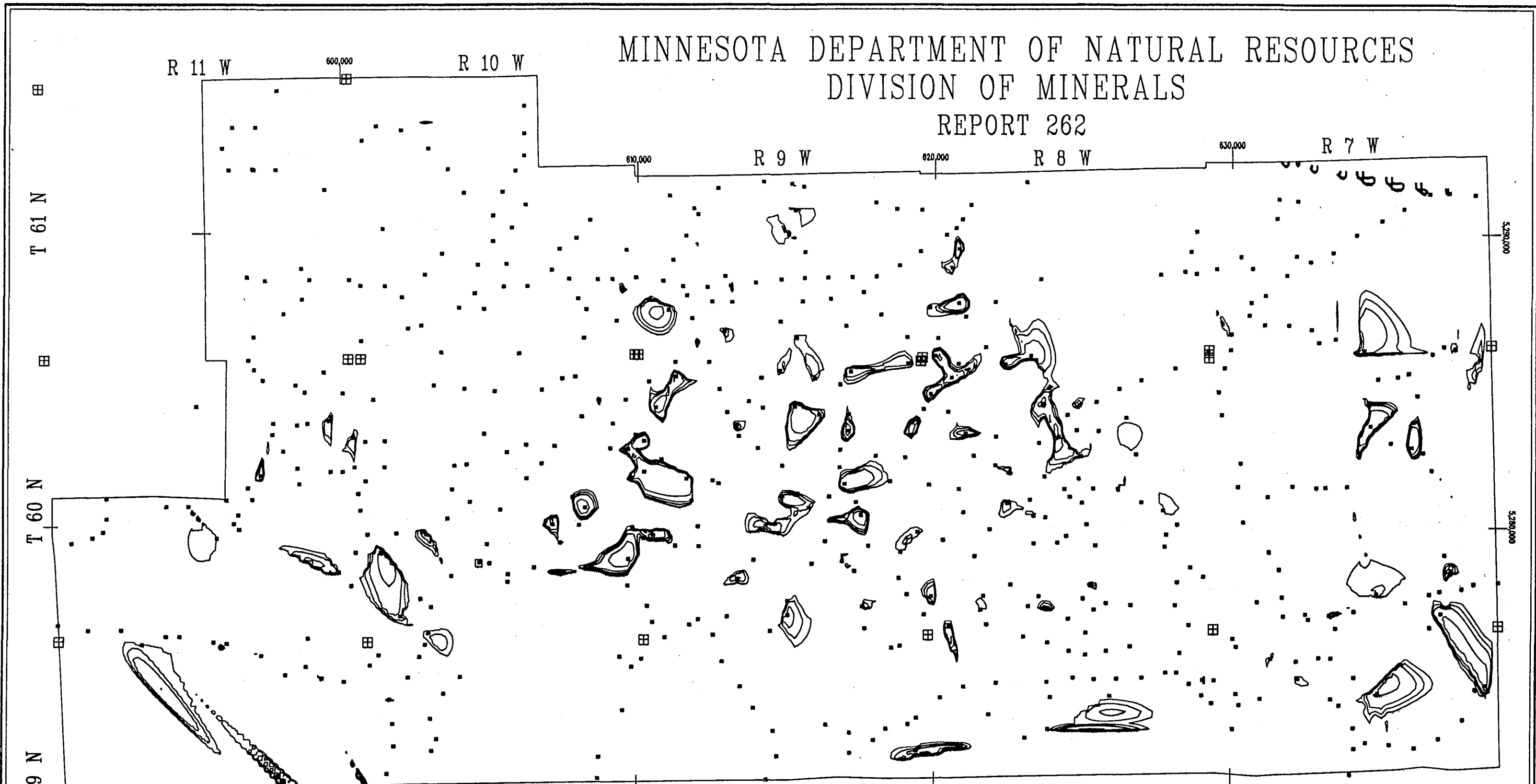
**GEOCHEMICAL MAP**





<sup>CO</sup>  
 HEAVY MINERAL CONCENTRATE

CO contours shown at 80, 85,  
 90 and 95 percentiles.

Map 2

MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF MINERALS  
 REPORT 262



- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  UTM Coordinates

**GEOCHEMICAL MAP**

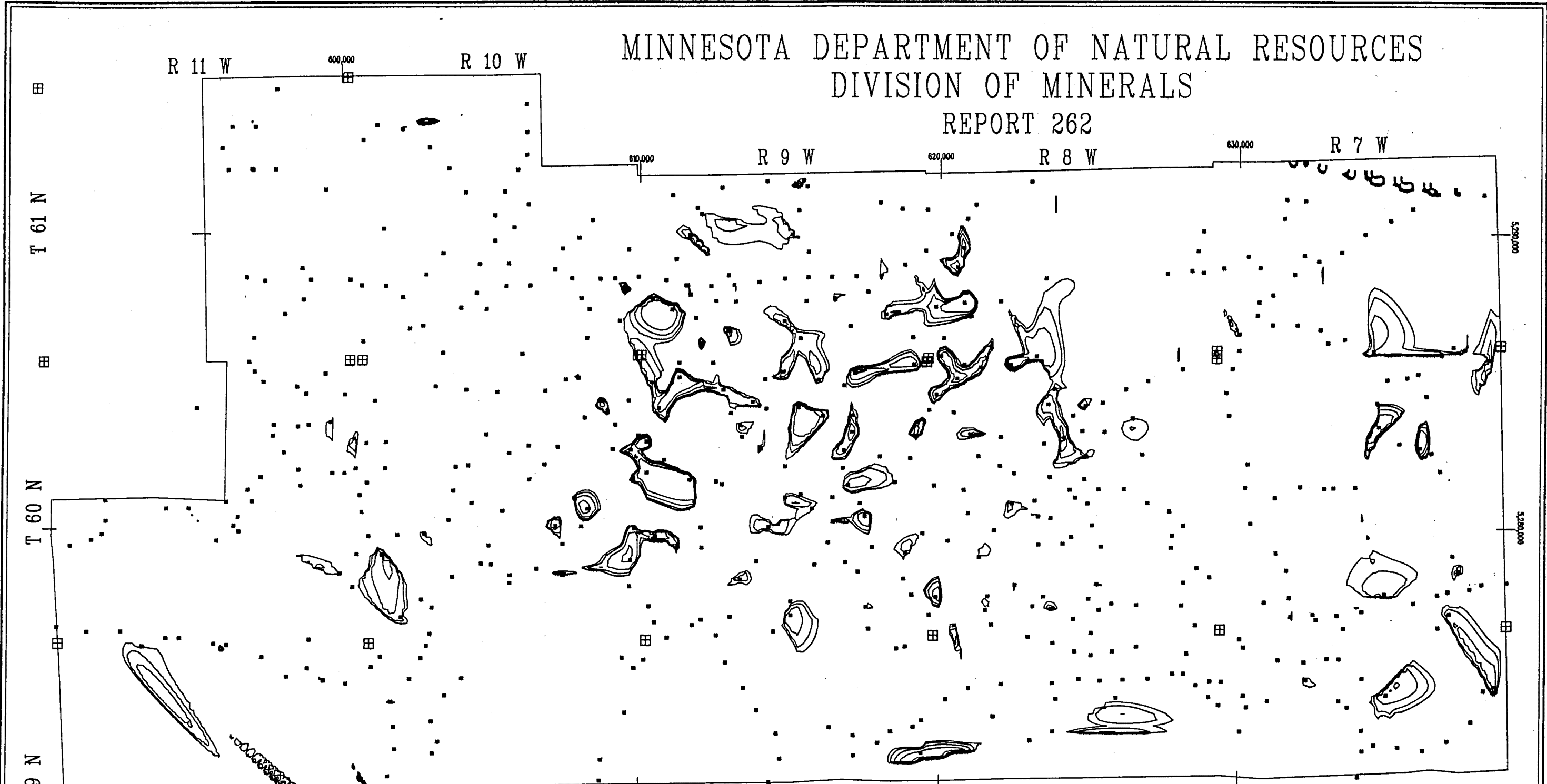
V  
 HEAVY MINERAL CONCENTRATE

V contours shown at 80, 85,  
 90 and 95 percentiles.





Map 3

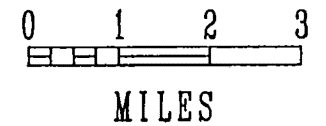
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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  UTM Coordinates



**GEOCHEMICAL MAP**

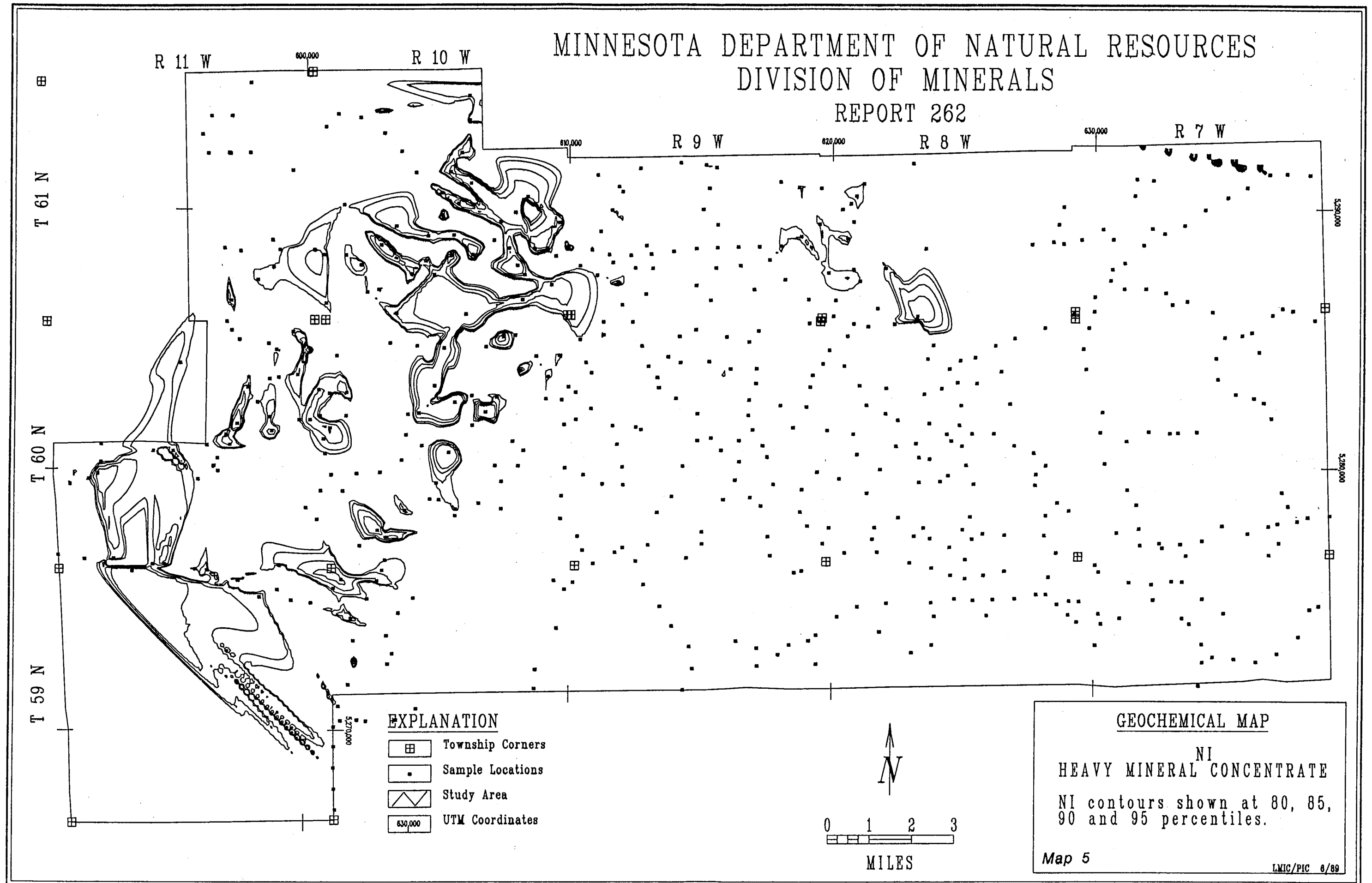
T102  
HEAVY MINERAL CONCENTRATE  
T102 contours shown at 80, 85,  
90 and 95 percentiles.

Map 4







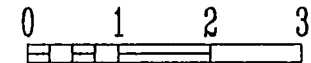
MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF MINERALS

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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  UTM Coordinates



MILES

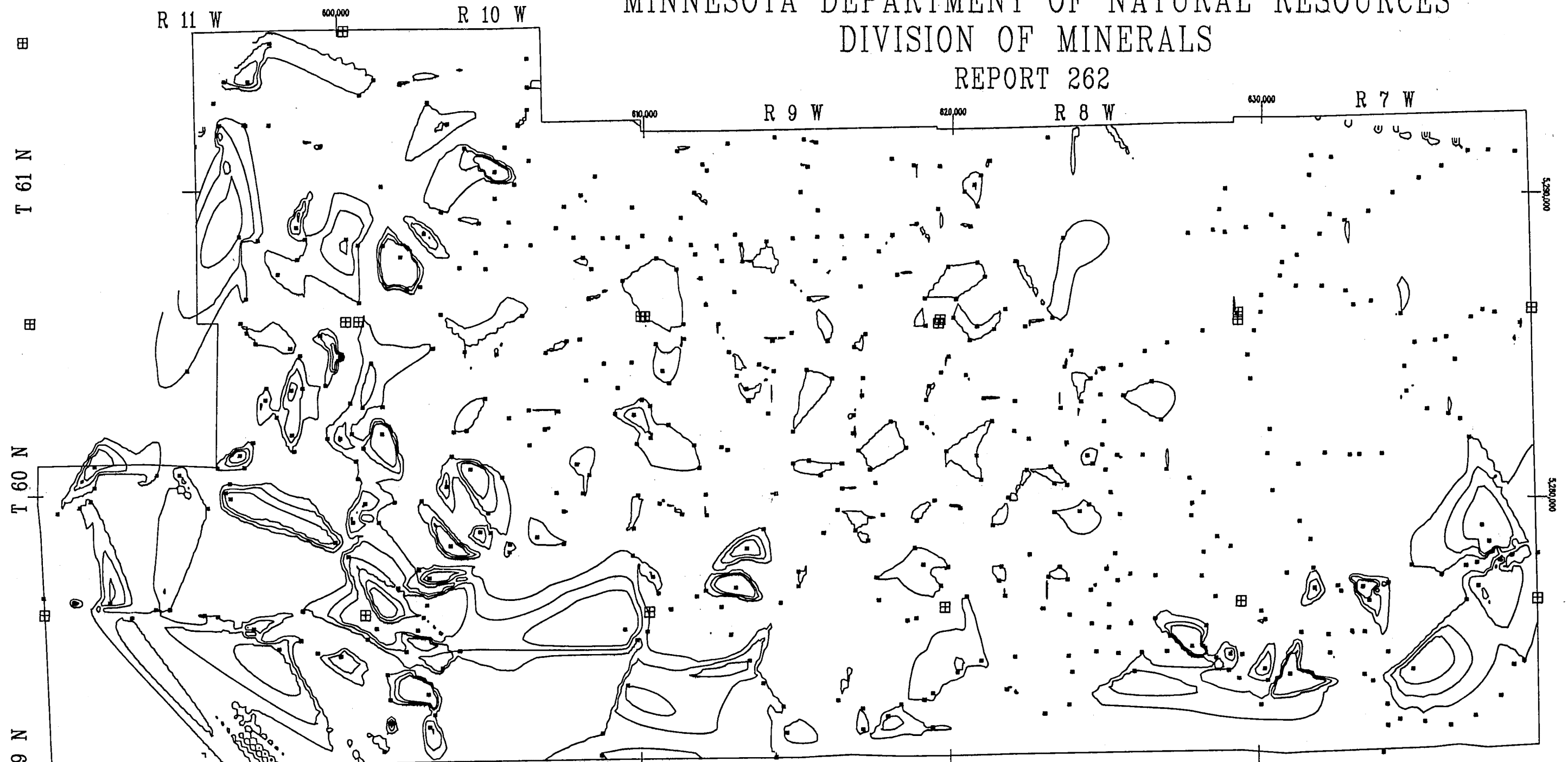
**GEOCHEMICAL MAP**

NI  
HEAVY MINERAL CONCENTRATE  
NI contours shown at 80, 85,  
90 and 95 percentiles.





Map 5

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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  UTM Coordinates

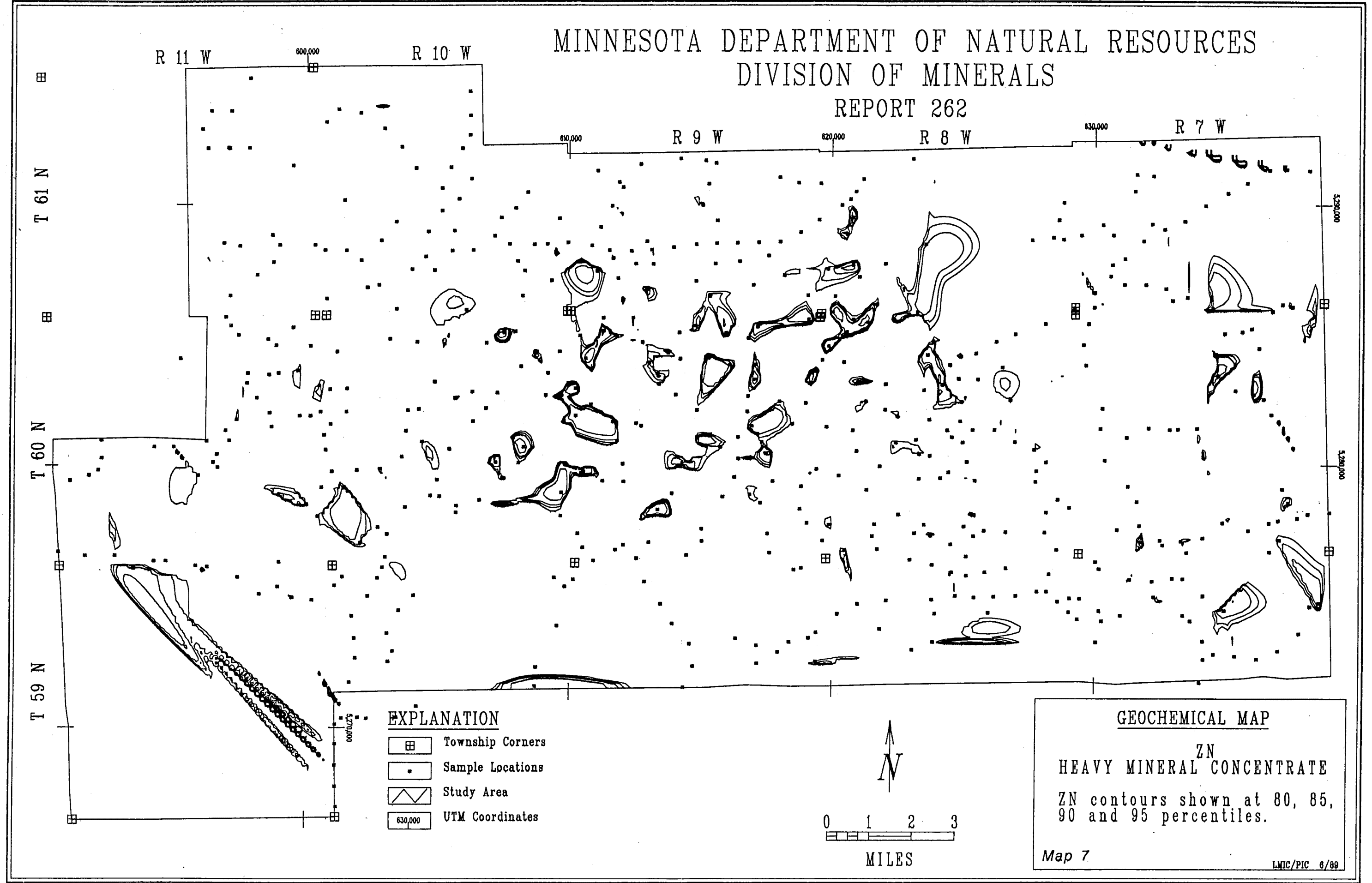
**GEOCHEMICAL MAP**

PB  
HEAVY MINERAL CONCENTRATE  
PB contours shown at 80, 85,  
90 and 95 percentiles.





Map 6

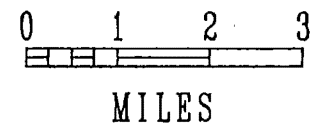
MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  UTM Coordinates



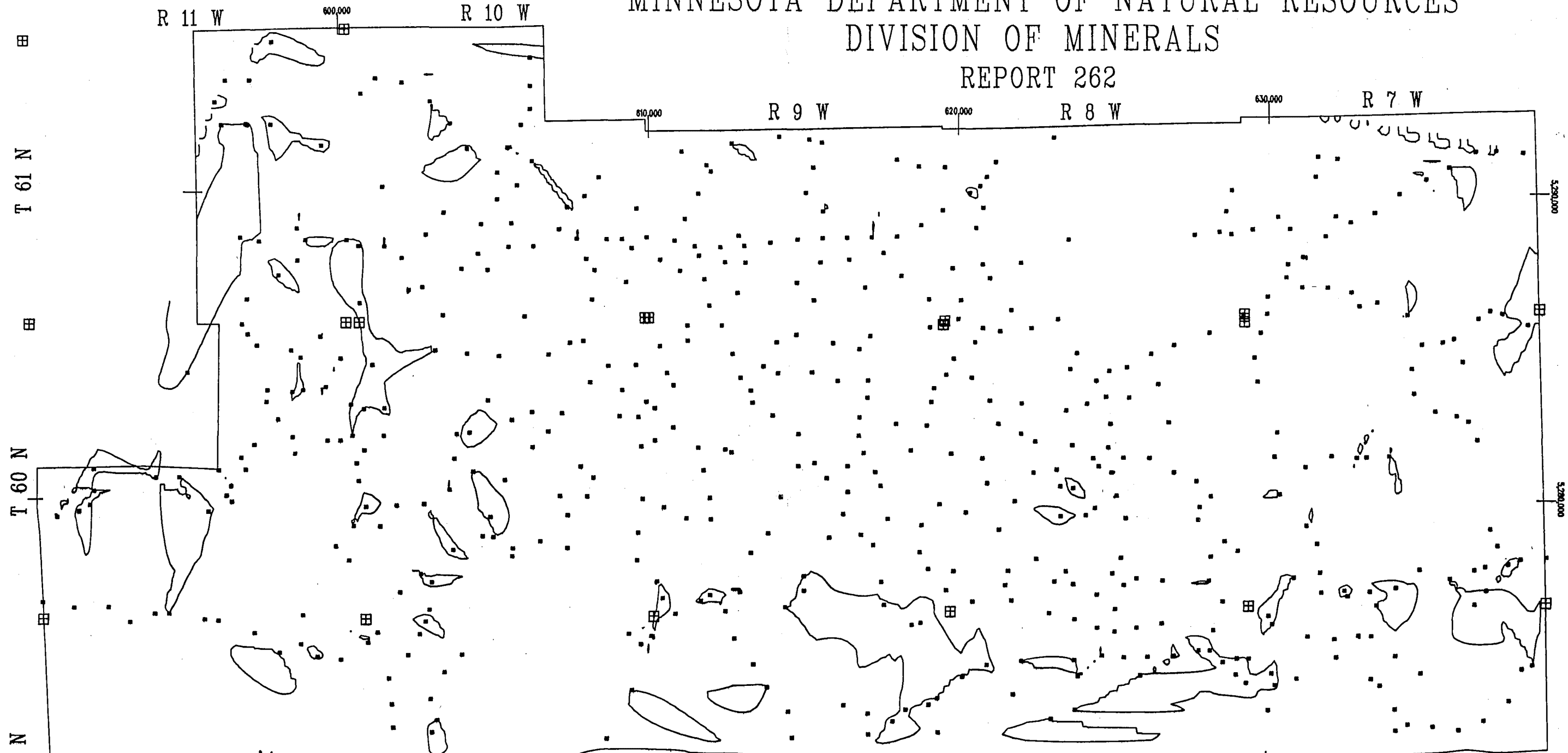
**GEOCHEMICAL MAP**

ZN  
 HEAVY MINERAL CONCENTRATE  
 ZN contours shown at 80, 85,  
 90 and 95 percentiles.





Map 7

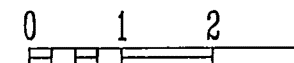
MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  UTM Coordinates



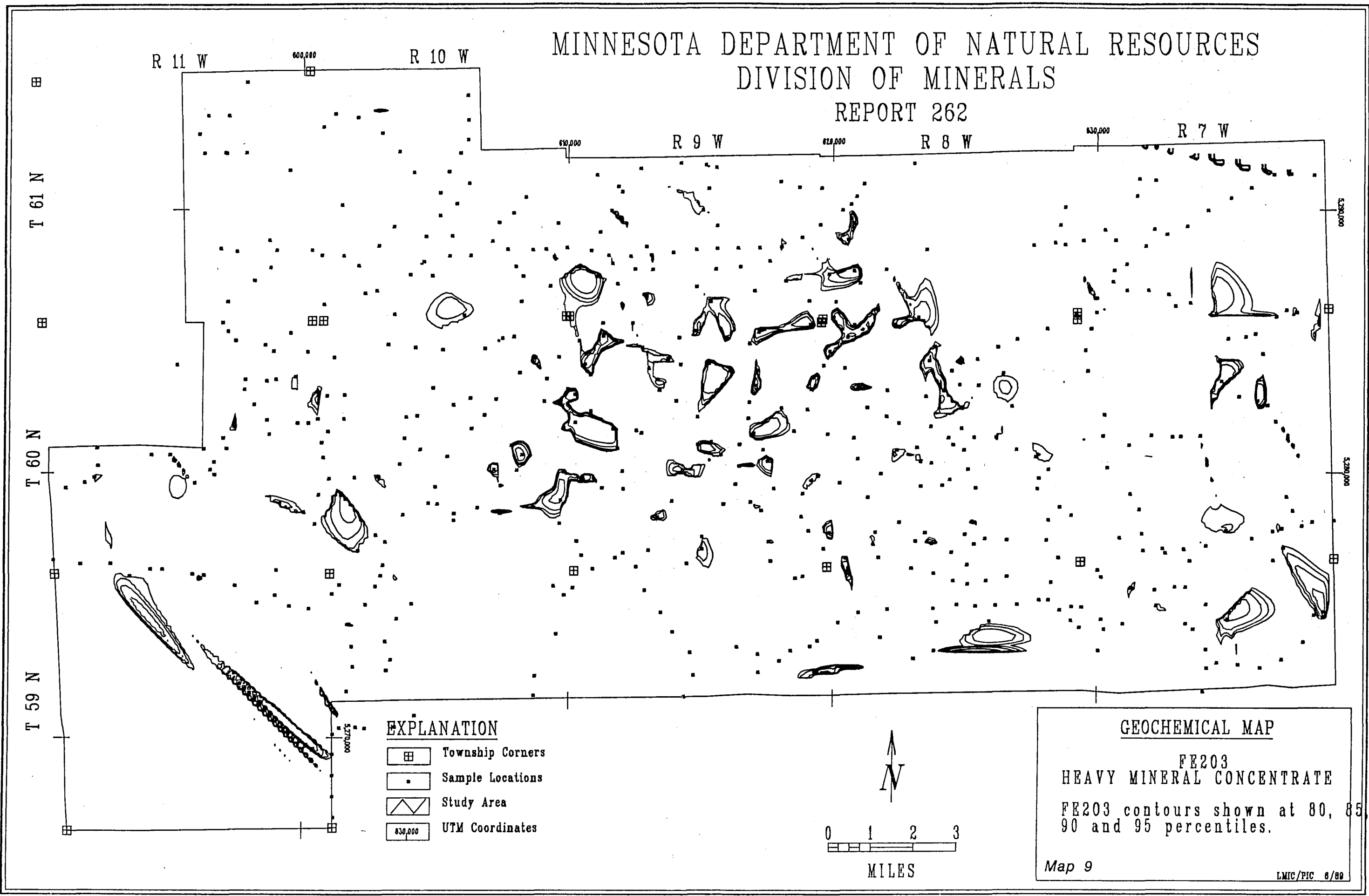
MILES





**GEOCHEMICAL MAP**

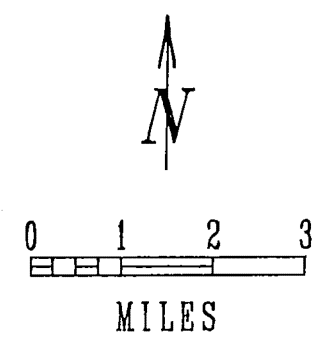
AS  
HEAVY MINERAL CONCENTRATE  
AS contours shown at 95th  
percentile.

Map 8

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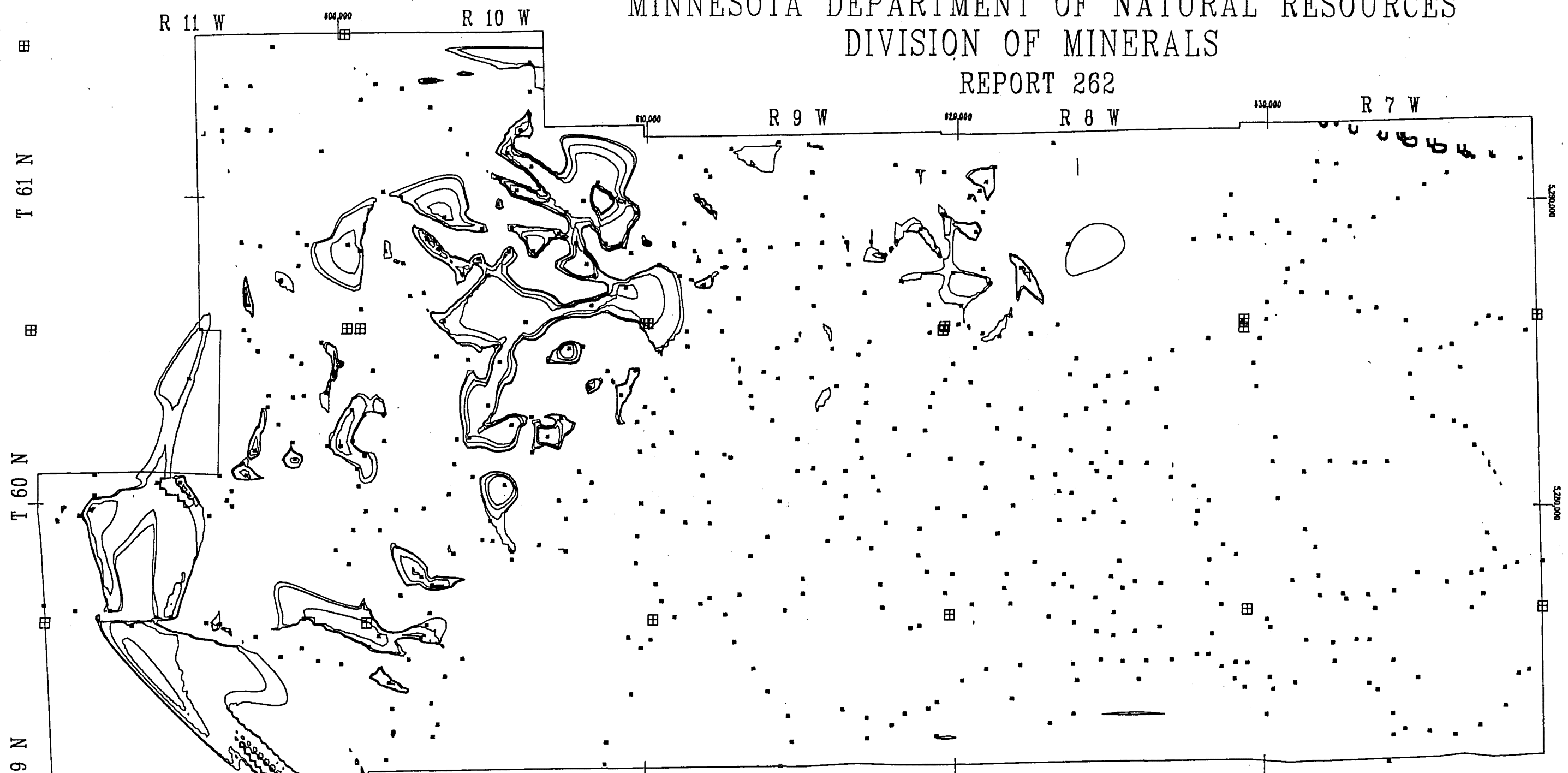


- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  UTM Coordinates







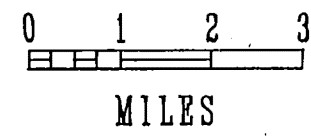
**GEOCHEMICAL MAP**  
 FE203  
 HEAVY MINERAL CONCENTRATE  
 FE203 contours shown at 80, 85,  
 90 and 95 percentiles.  
 Map 9  
 LMIC/PIC 6/89

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 DIVISION OF MINERALS  
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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  UTM Coordinates



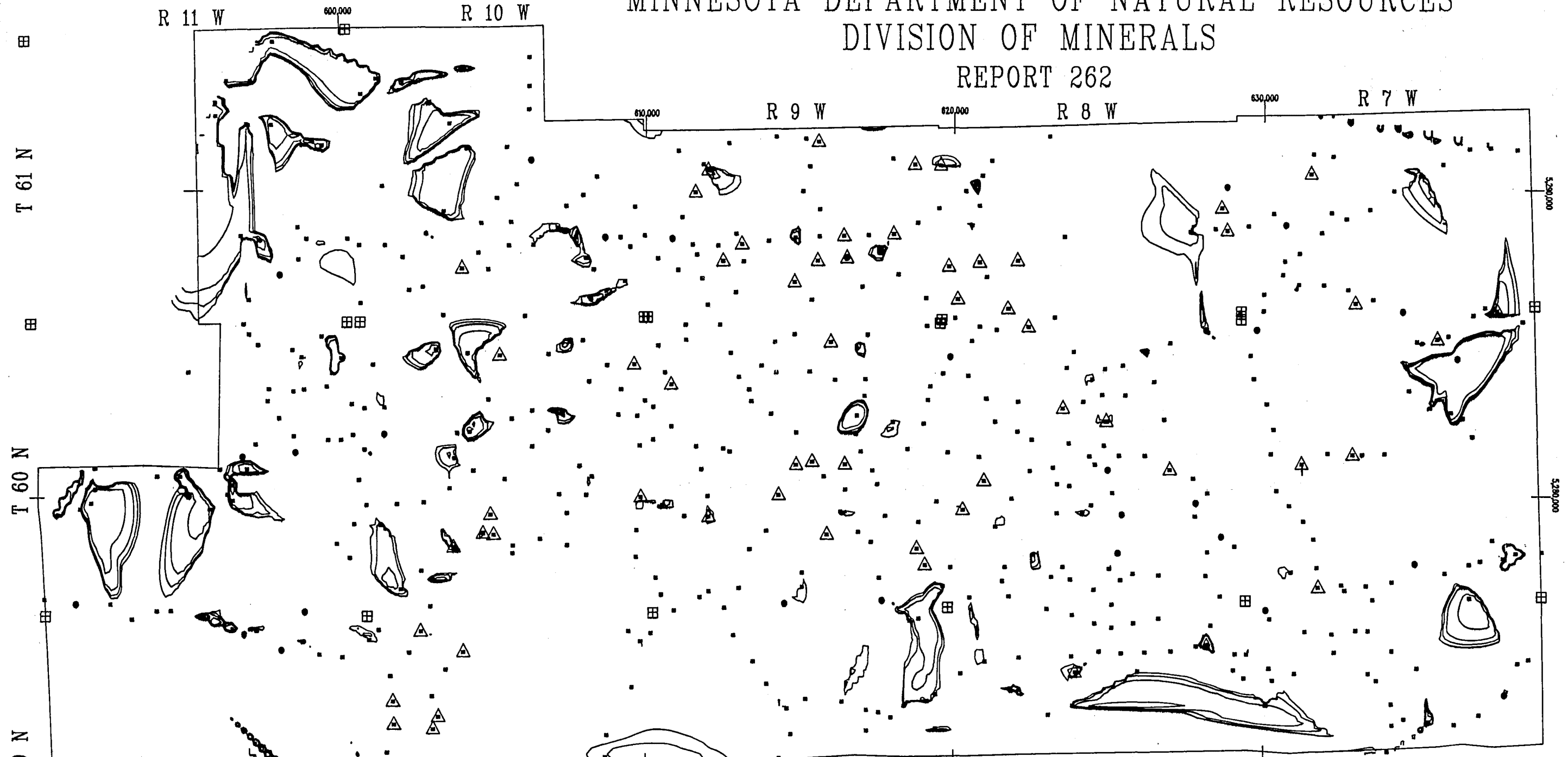
**GEOCHEMICAL MAP**

NGO  
 HEAVY MINERAL CONCENTRATE  
 NGO contours shown at 80, 85,  
 90 and 95 percentiles.

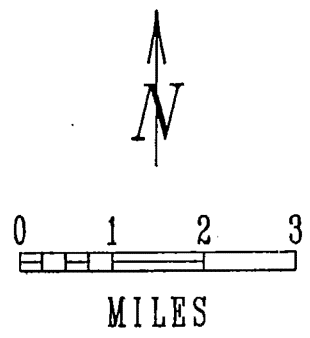
Map 10

LMC/PIC 6/89

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EXPLANATION	
	Township Corners
	Sample Locations
	Study Area
	UTM Coordinates
	PT (90th percentile)
	PD (80th percentile)



**GEOCHEMICAL MAP**  
 CR, PT, PD  
 CLAYS

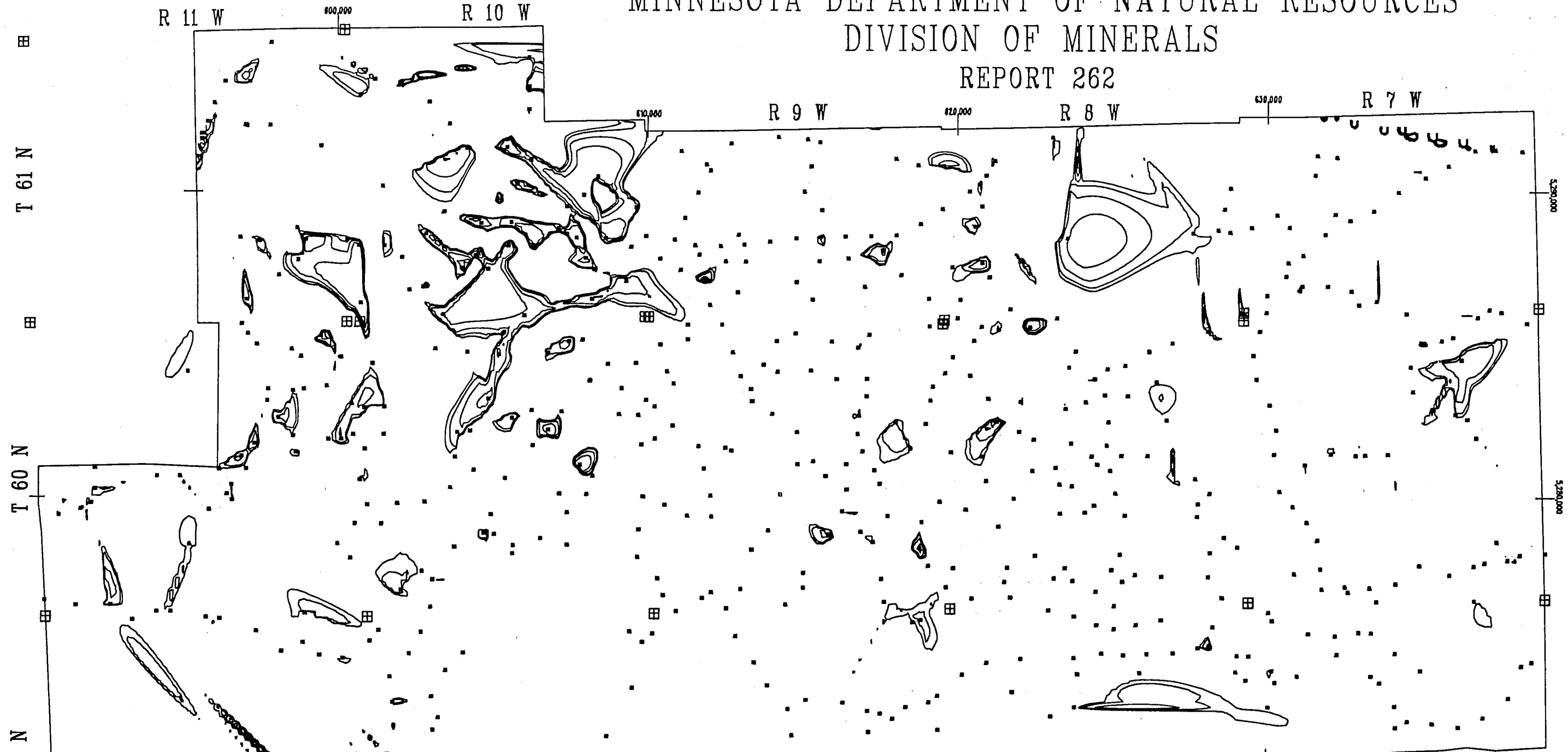
CR contours shown at 80, 85,  
 90 and 95 percentiles.

Map 11

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



MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
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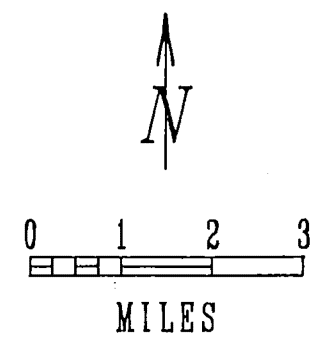
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T 61 N  
T 60 N  
T 59 N

R 11 W R 10 W R 9 W R 8 W R 7 W

- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  UTM Coordinates



**GEOCHEMICAL MAP**

CO  
CLAY

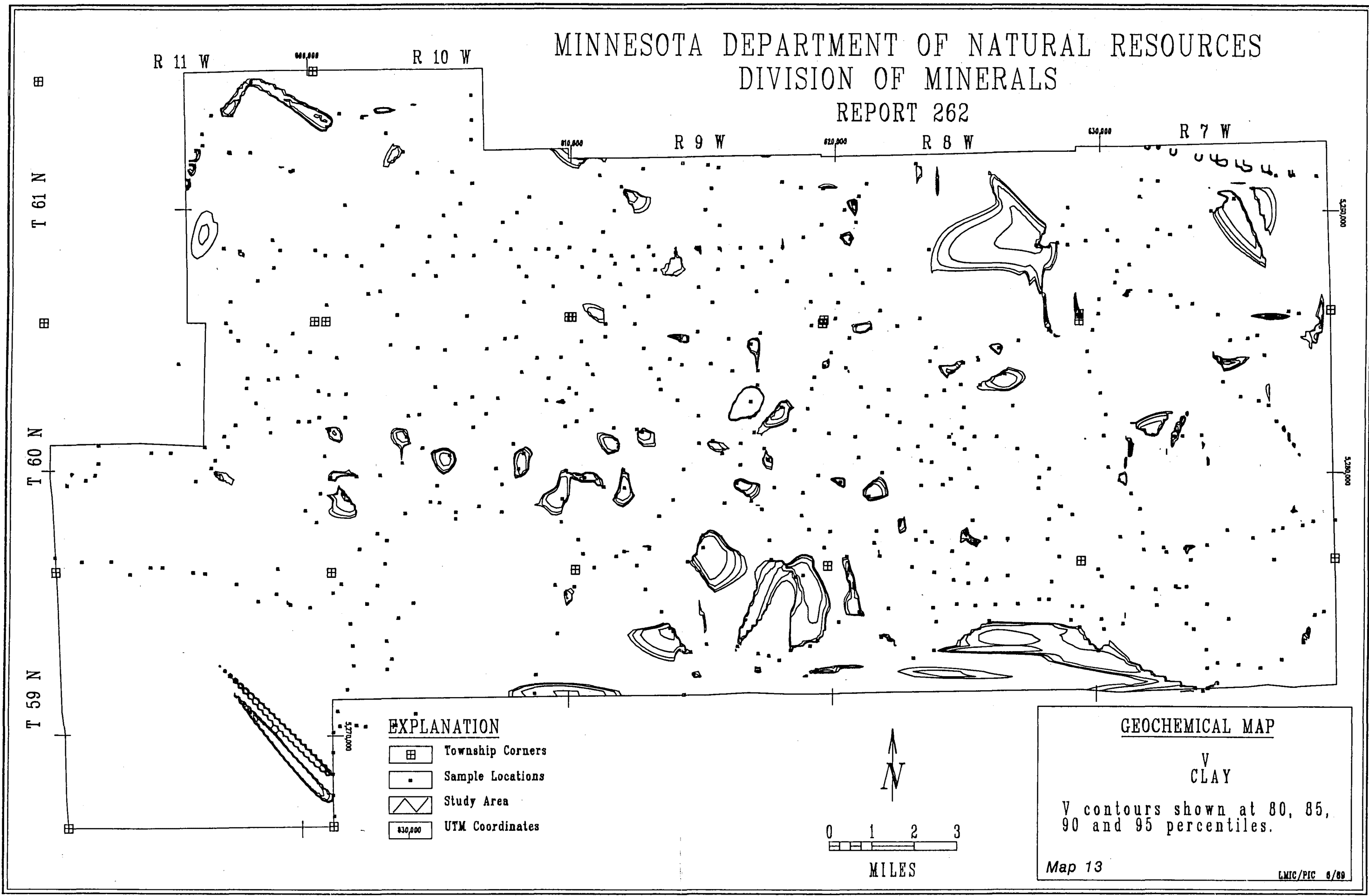
CO contours shown at 80, 85,  
90 and 95 percentiles.

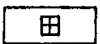


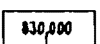
Map 12

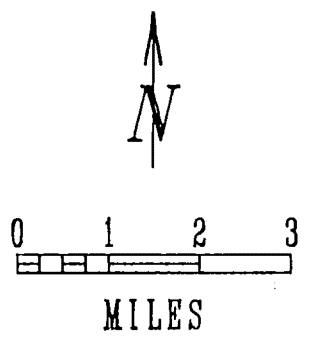


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- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  UTM Coordinates



**GEOCHEMICAL MAP**

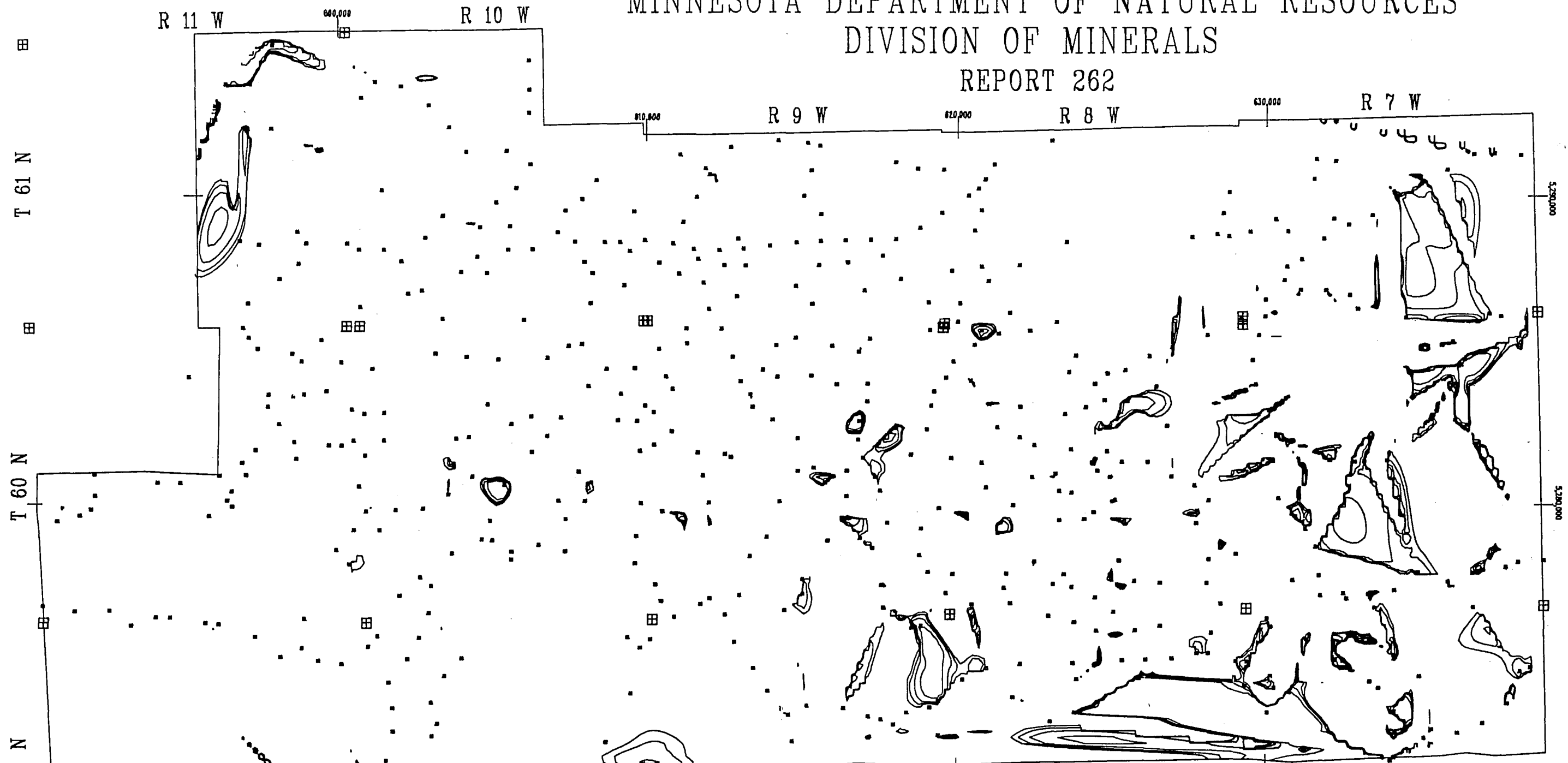
V  
CLAY

V contours shown at 80, 85,  
90 and 95 percentiles.





Map 13

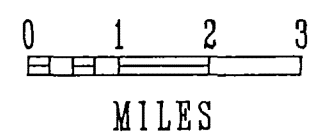
LMIC/PIC 6/89

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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  UTM Coordinates



**GEOCHEMICAL MAP**

T102  
CLAY

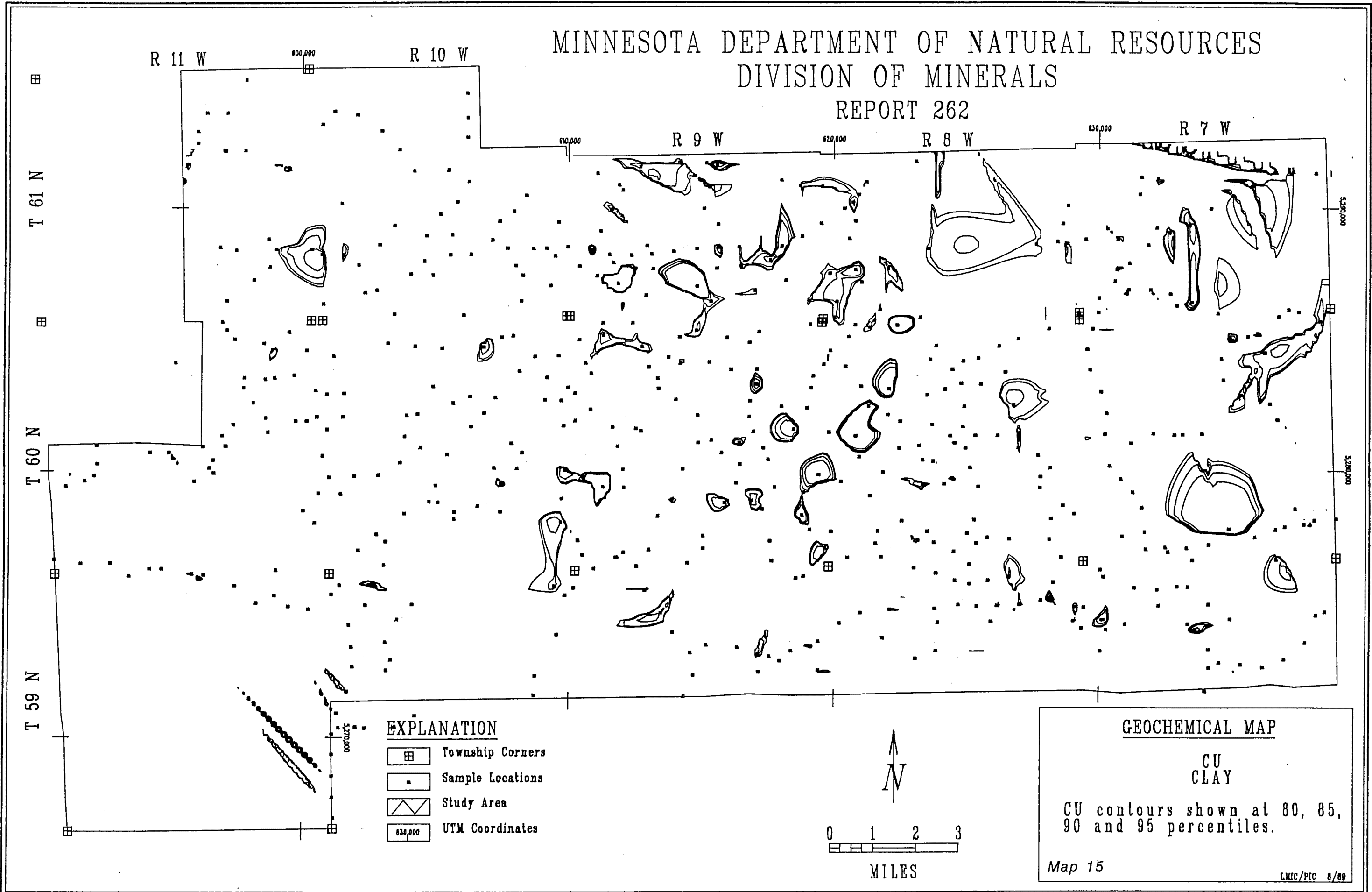
T102 contours shown at 80, 85,  
90 and 95 percentiles.

Map 14





LMC/PIC 8/89

MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
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REPORT 262



**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  UTM Coordinates

**GEOCHEMICAL MAP**

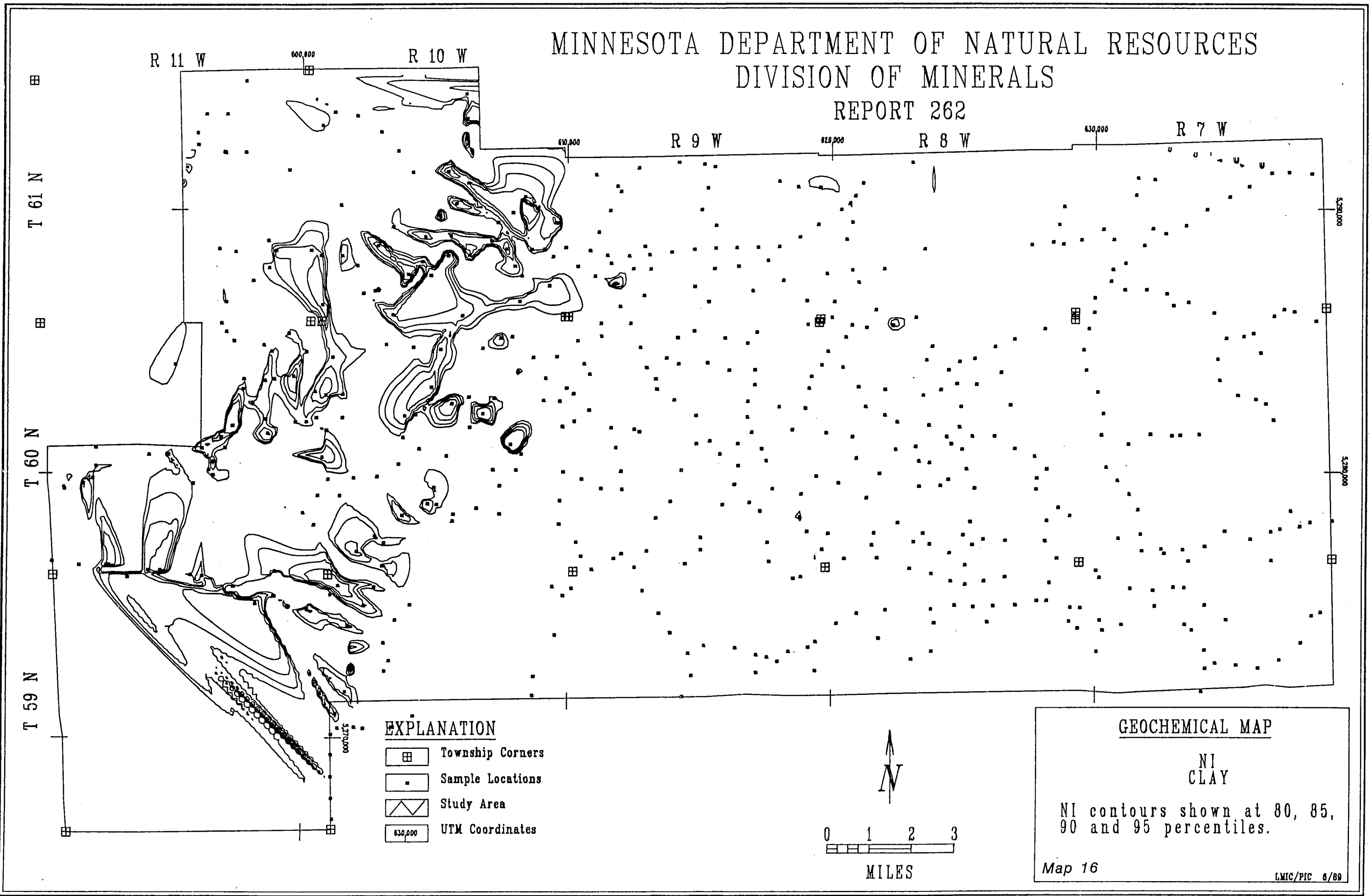
CU  
CLAY

CU contours shown at 80, 85,  
90 and 95 percentiles.

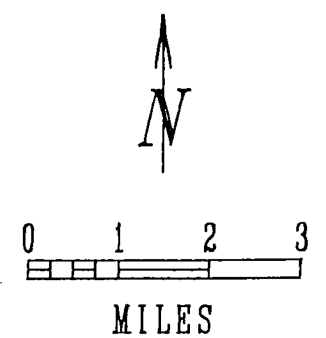
Map 15

LMIC/PIC 8/89

MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF MINERALS  
 REPORT 262



- EXPLANATION**
- Township Corners
  - Sample Locations
  - Study Area
  - UTM Coordinates



**GEOCHEMICAL MAP**

Ni  
CLAY

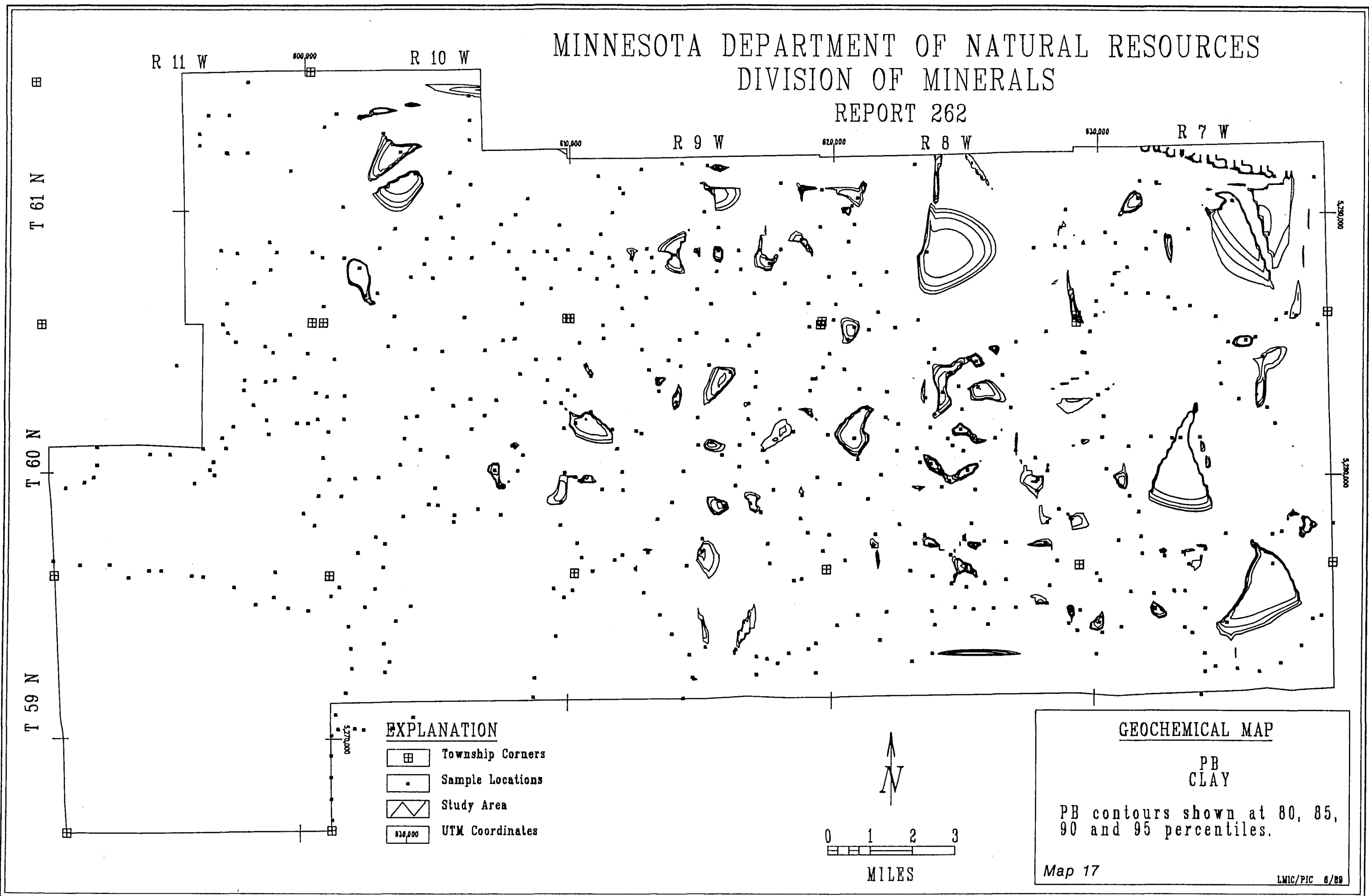
Ni contours shown at 80, 85,  
90 and 95 percentiles.

Map 16





LMC/PIC 6/89

MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  UTM Coordinates



MILES

**GEOCHEMICAL MAP**

PB  
CLAY

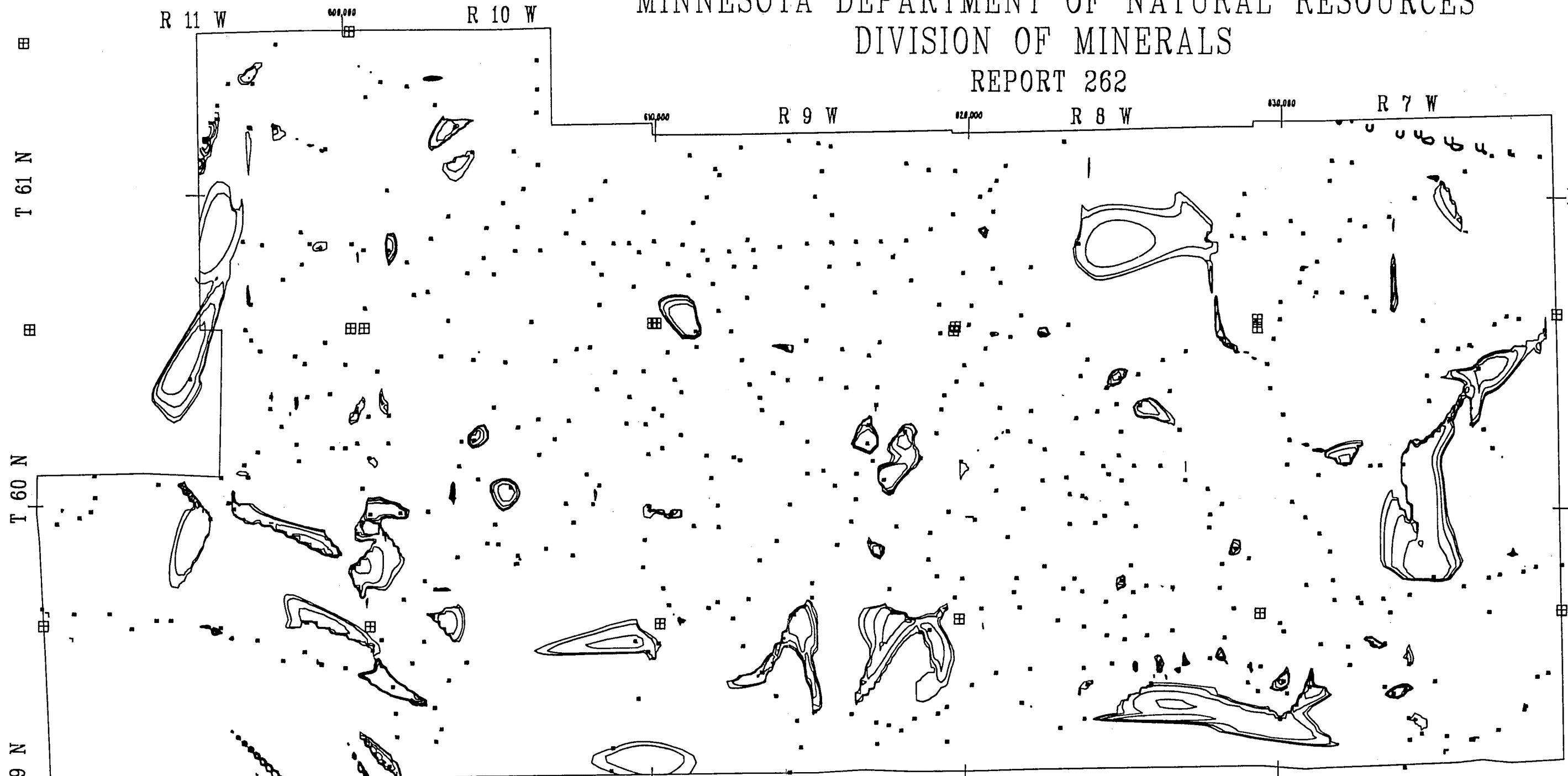
PB contours shown at 80, 85,  
90 and 95 percentiles.





Map 17

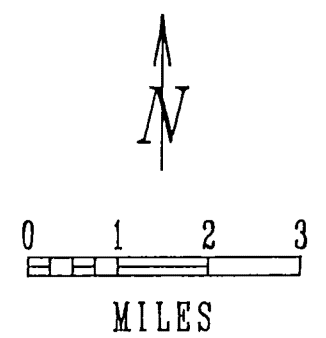
LMIC/PIC 8/89

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- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  UTM Coordinates



**GEOCHEMICAL MAP**

ZN  
CLAY

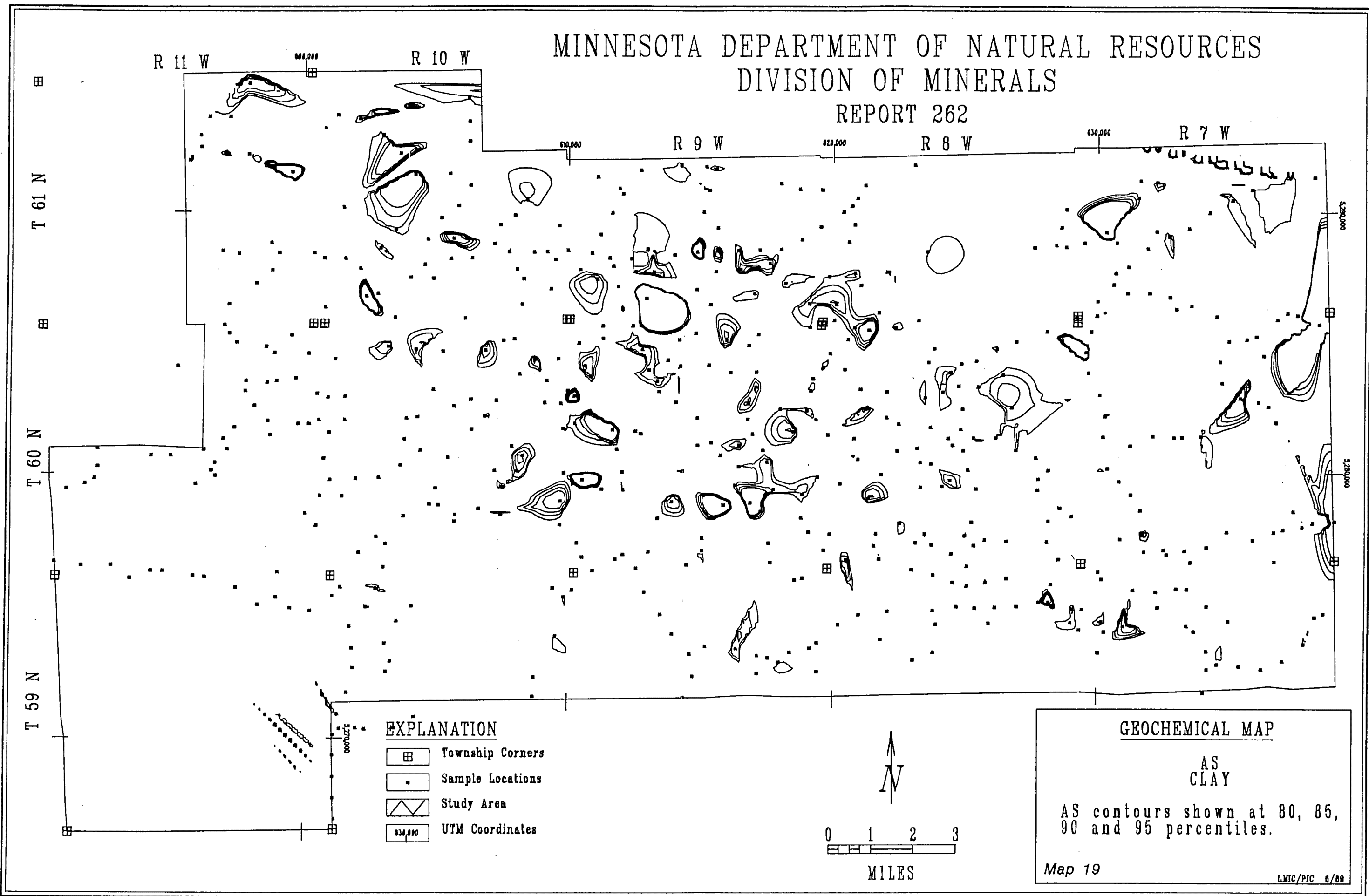
ZN contours shown at 80, 85,  
90 and 95 percentiles.





Map 18

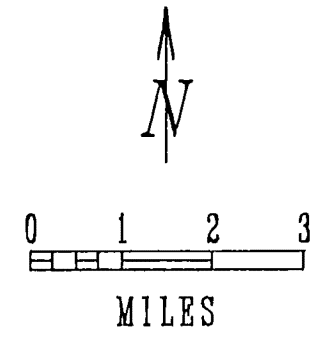
LMIC/PIC 6/89

MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
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- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  UTM Coordinates



**GEOCHEMICAL MAP**

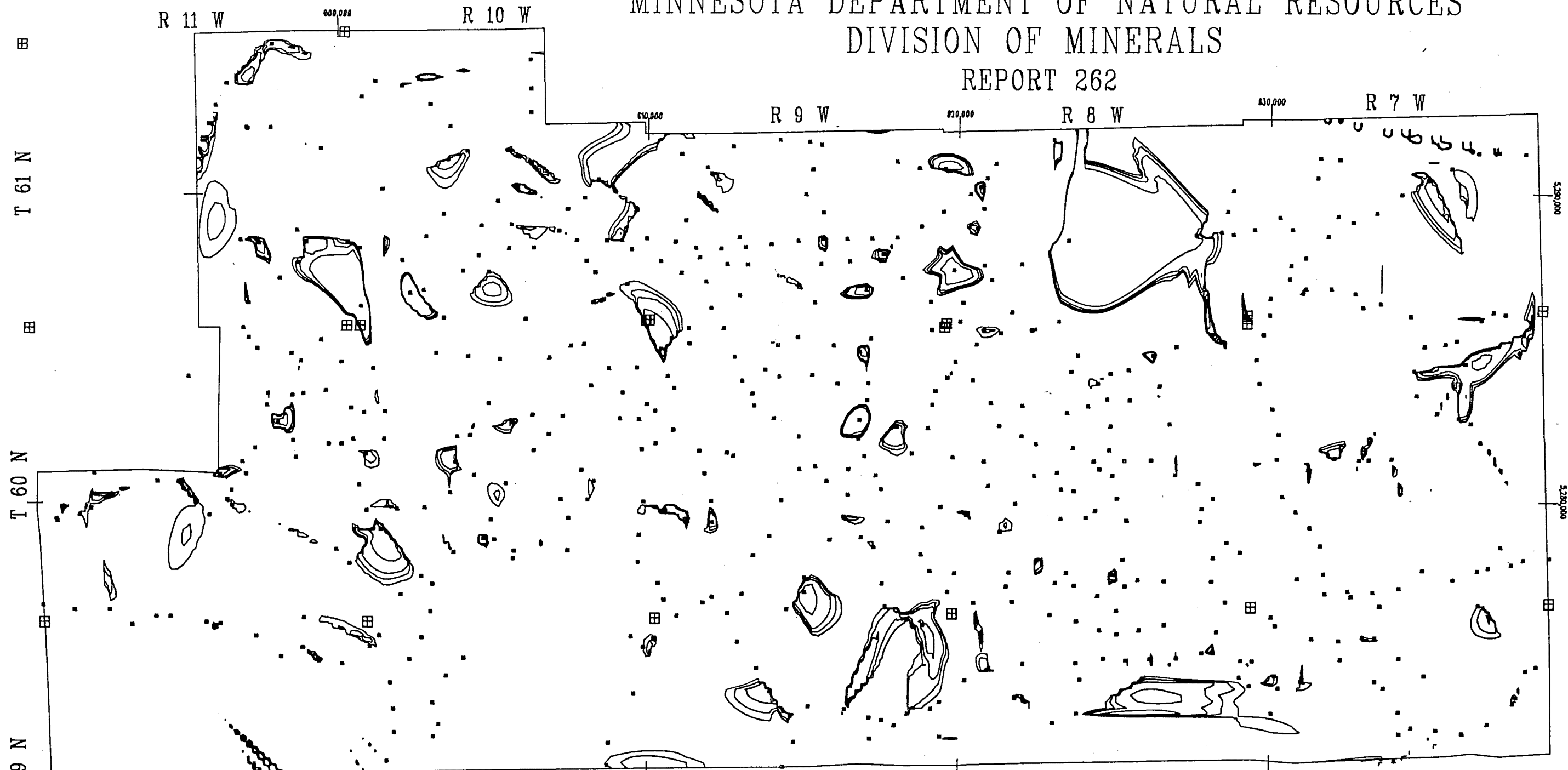
AS  
CLAY





AS contours shown at 80, 85,  
90 and 95 percentiles.

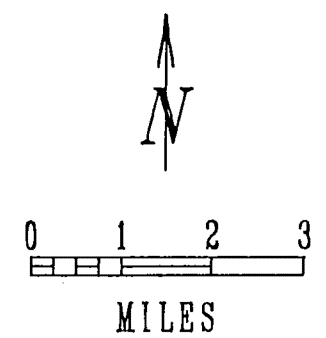
Map 19

L/MC/PIC 8/89

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- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  UTM Coordinates

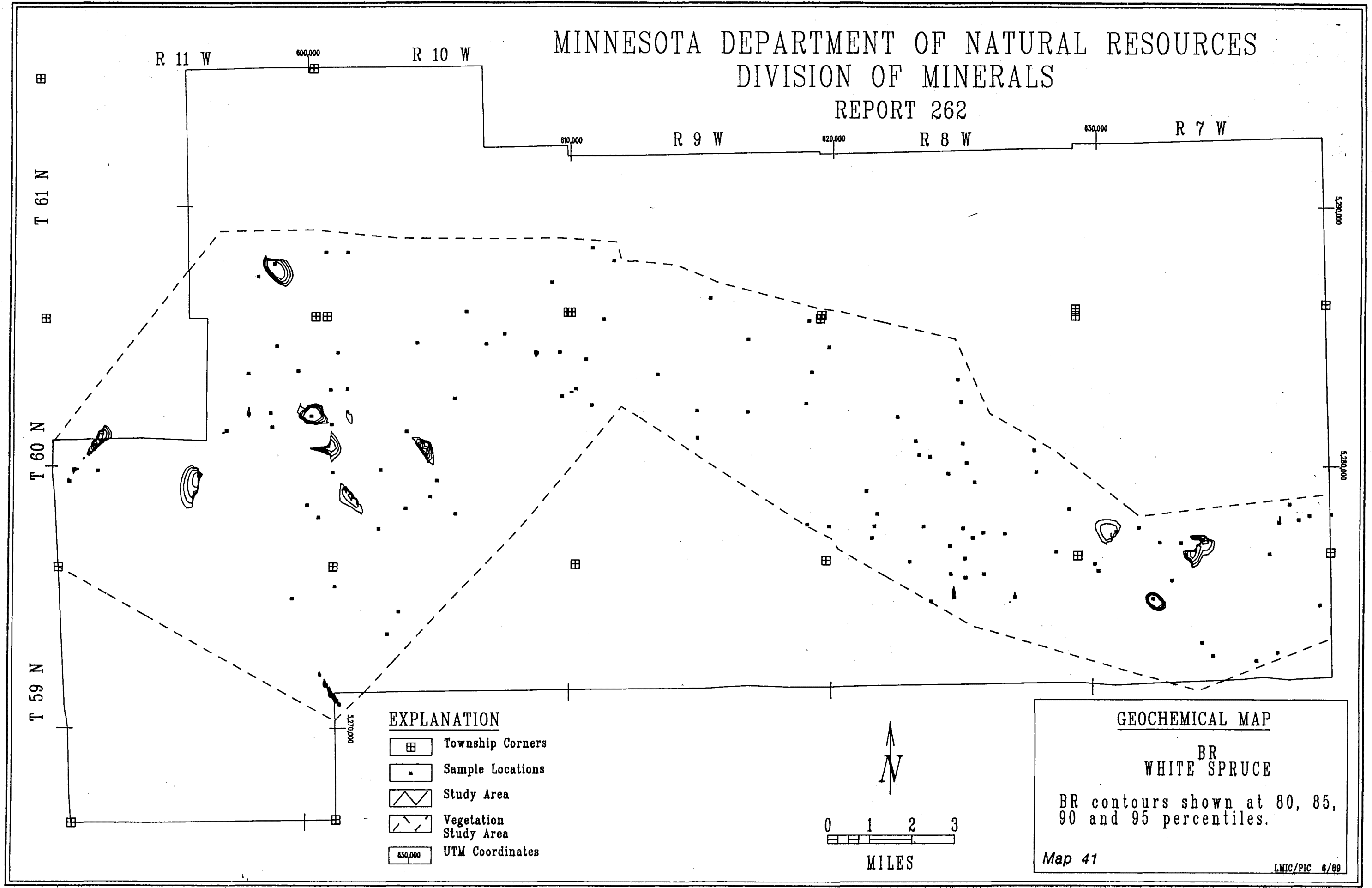


**GEOCHEMICAL MAP**  
 FE203  
 CLAY  
 FE203 contours shown at 80, 85,  
 90 and 95 percentiles.  
 Map 20  
 LMIC/PIC 6/89








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EXPLANATION

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates



GEOCHEMICAL MAP

BR  
 WHITE SPRUCE

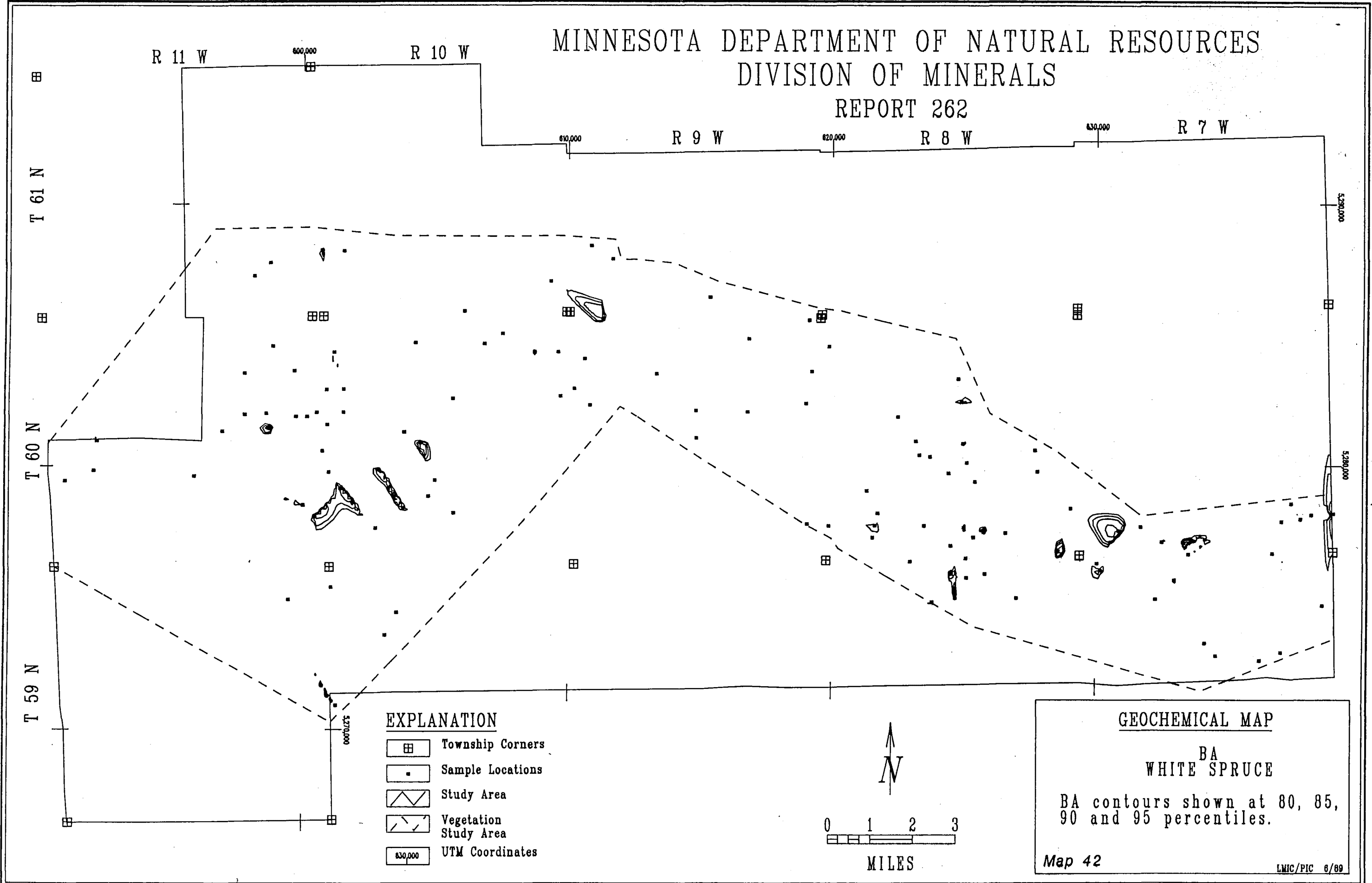
BR contours shown at 80, 85,  
 90 and 95 percentiles.

Map 41






LWIC/PIC 6/89

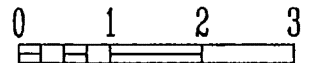
MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates



MILES

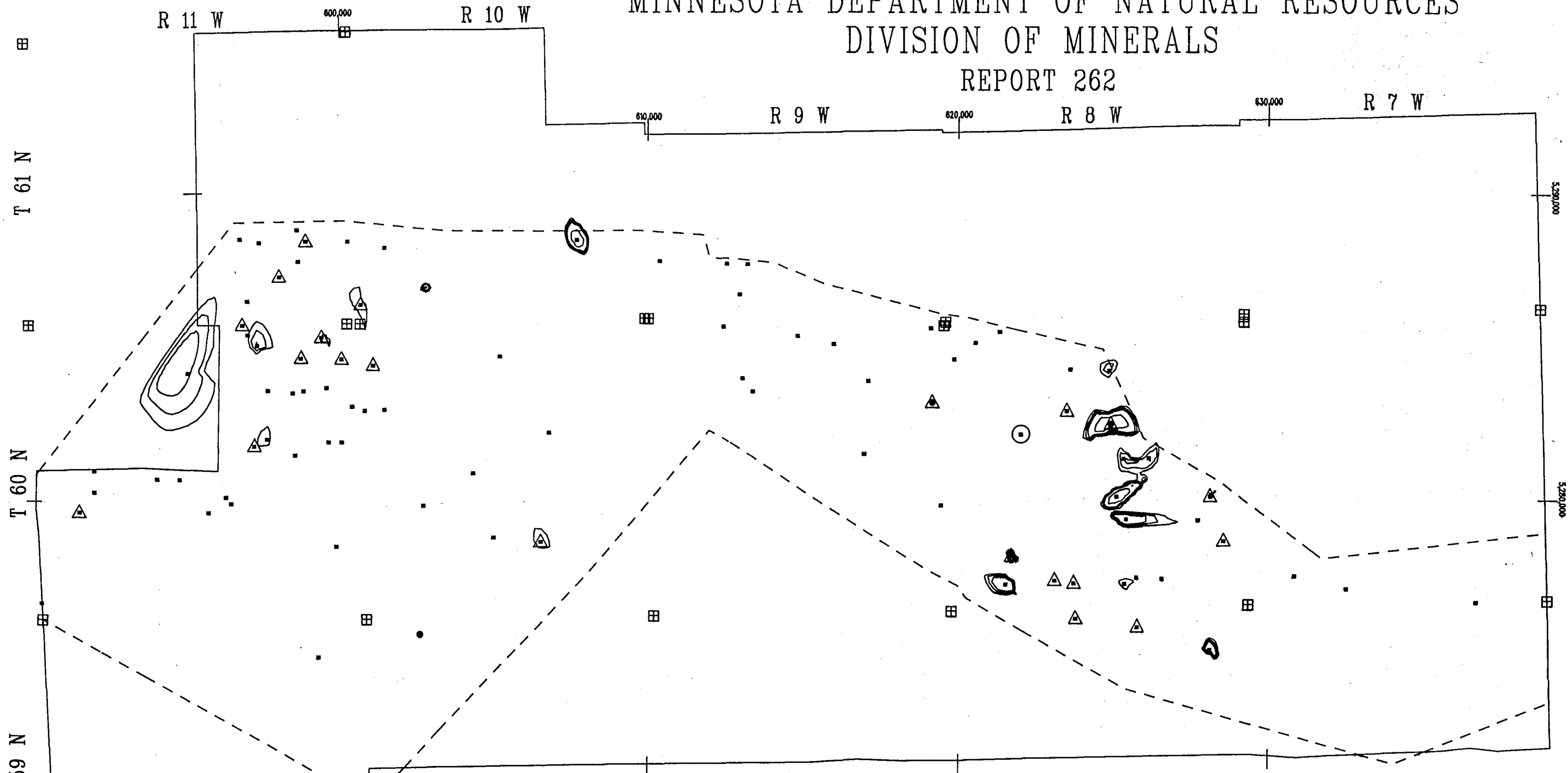
**GEOCHEMICAL MAP**

BA  
WHITE SPRUCE  
BA contours shown at 80, 85,  
90 and 95 percentiles.

Map 42

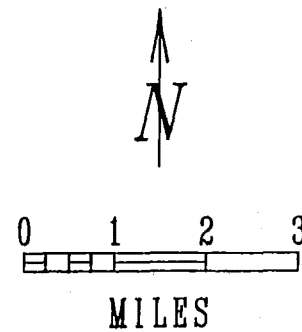
LMC/PIC 6/89

MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
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EXPLANATION

- |                       |                      |
|-----------------------|----------------------|
| Township Corners      | PT > 10 ppb          |
| Sample Locations      | PD (80th percentile) |
| Study Area            | IR > .1 ppb          |
| Vegetation Study Area |                      |
| UTM Coordinates       |                      |



GEOCHEMICAL MAP

CR, PT, PD, IR  
 JACK PINE

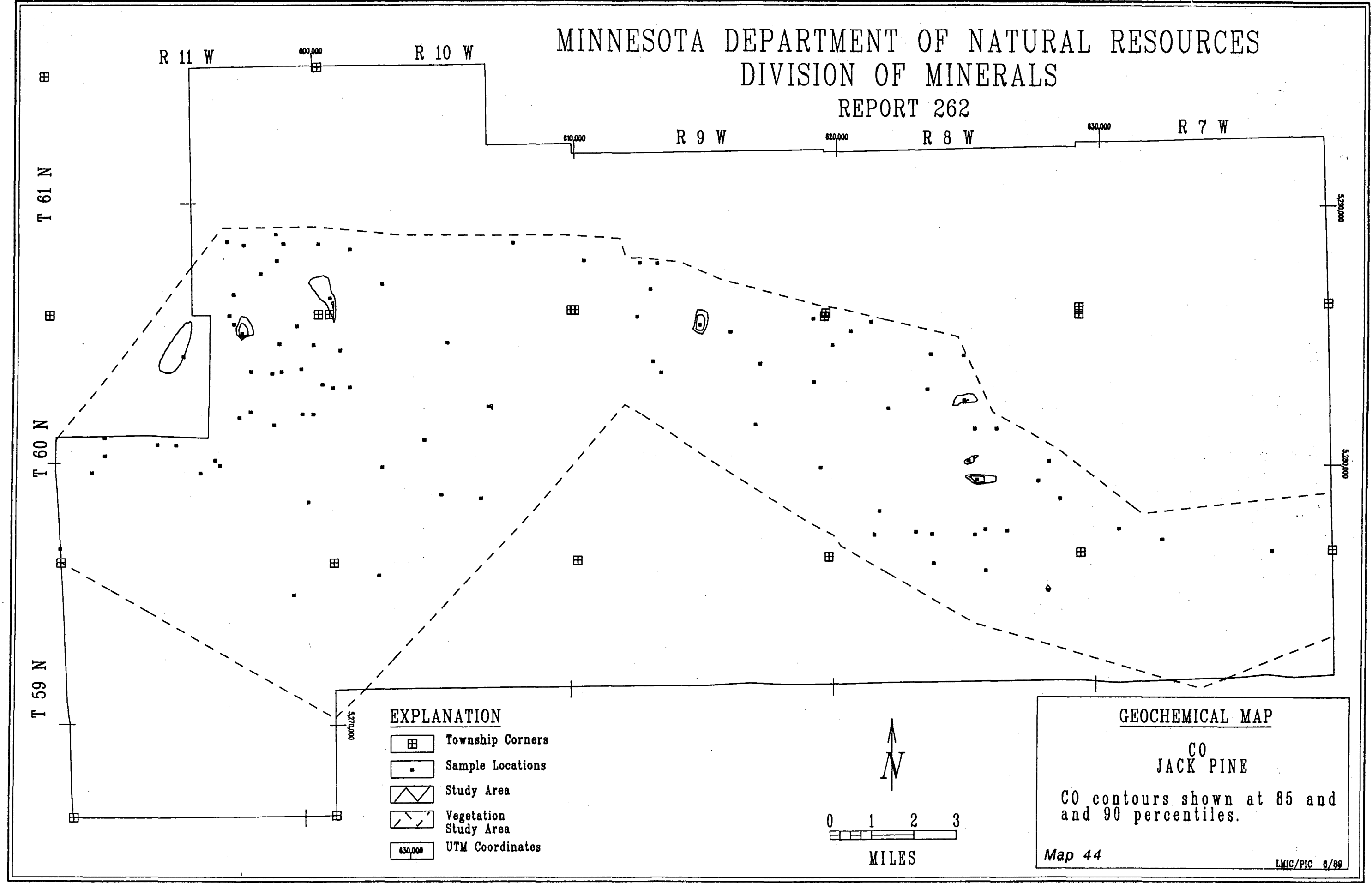
CR contours shown at 80, 85,  
 90 and 95 percentiles.






Map 43

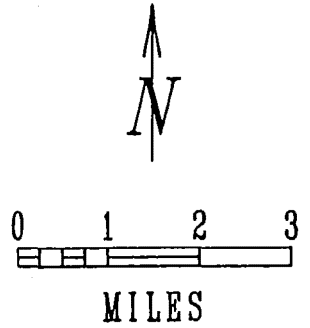
LMC/PIC 6/89

# MINNESOTA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINERALS

## REPORT 262



- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  Vegetation Study Area
  -  UTM Coordinates



**GEOCHEMICAL MAP**

CO  
JACK PINE

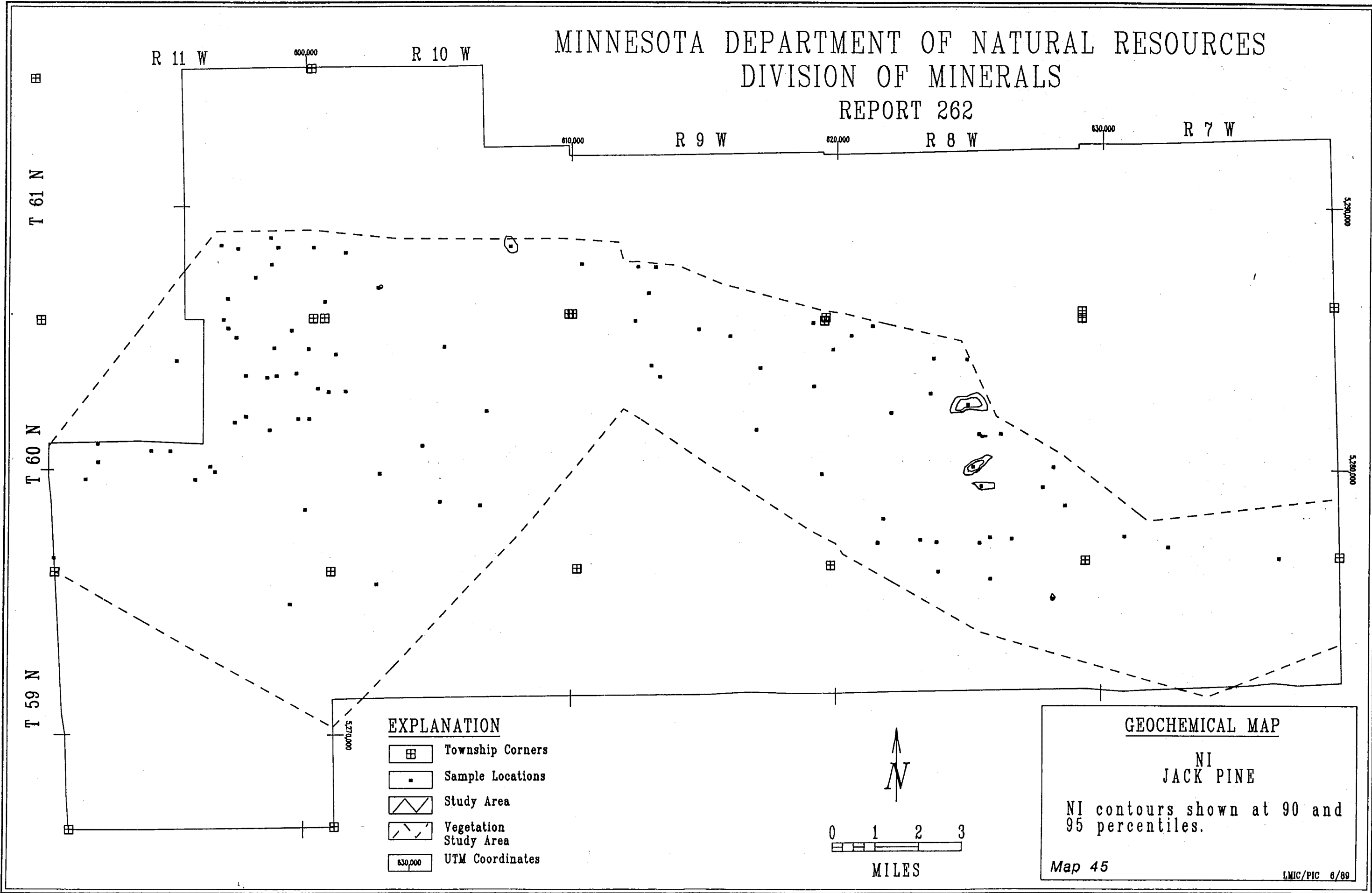
CO contours shown at 85 and  
and 90 percentiles.

Map 44






LMIC/PIC 6/89

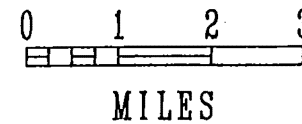
MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates



**GEOCHEMICAL MAP**

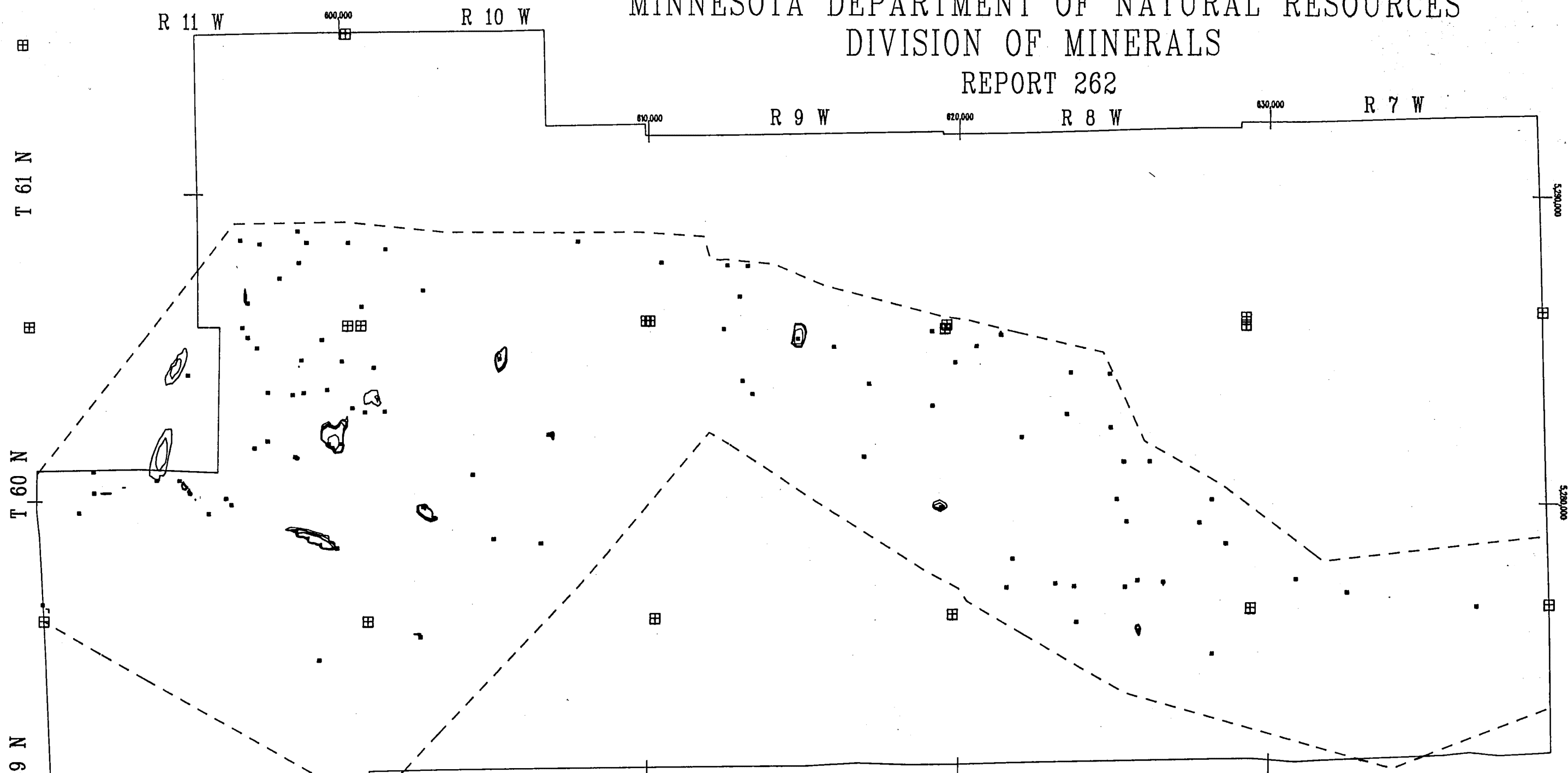
NI  
JACK PINE

NI contours shown at 90 and 95 percentiles.






Map 45

LMI/PIC 6/89

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**EXPLANATION**

-  Township Corners
-  Sample Locations
-  Study Area
-  Vegetation Study Area
-  UTM Coordinates



**GEOCHEMICAL MAP**

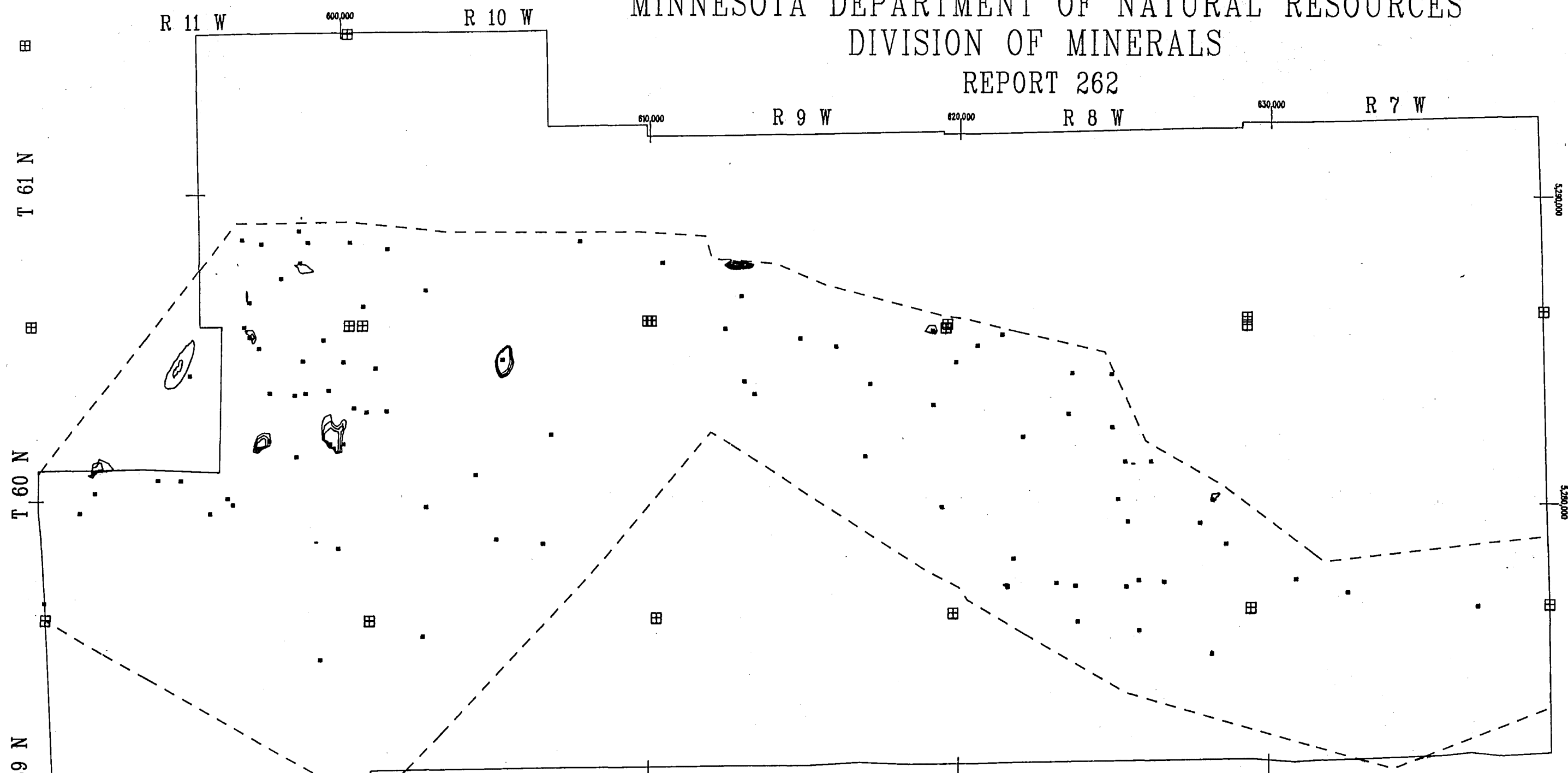
ZN  
 JACK PINE






ZN contours shown at 80, 85,  
 90 and 95 percentiles.

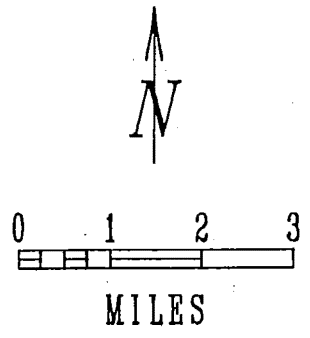
Map 46

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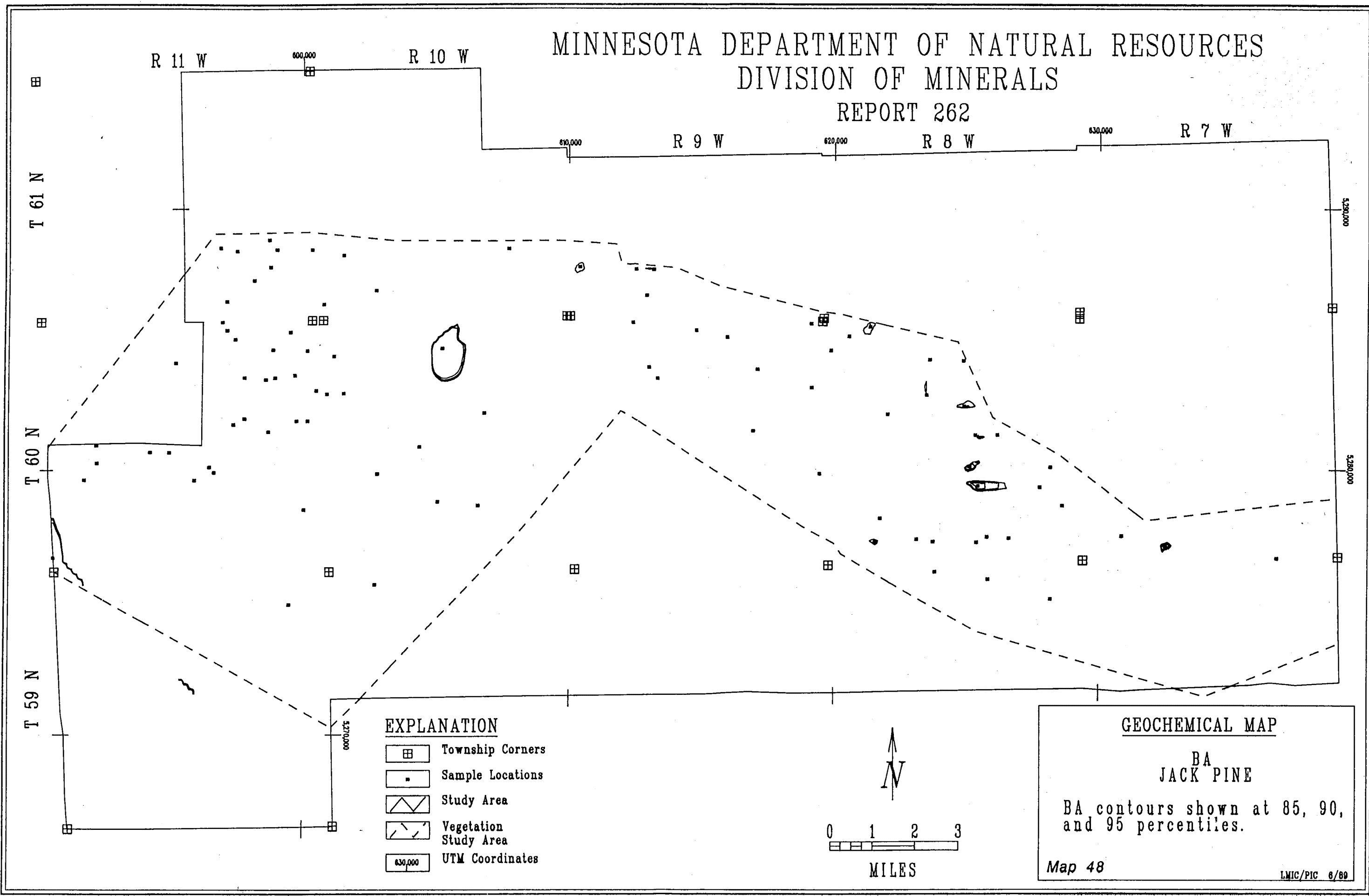
- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  Vegetation Study Area
  -  UTM Coordinates








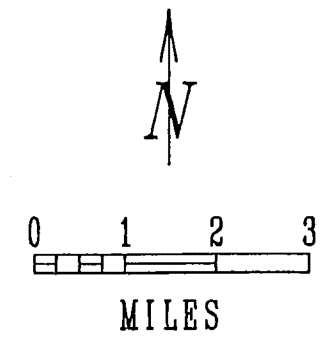
**GEOCHEMICAL MAP**  
 BR  
 JACK PINE  
 BR contours shown at 85, 90,  
 and 95 percentiles.  
 Map 47  
 LMC/PIC 6/89

MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
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- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  Vegetation Study Area
  -  UTM Coordinates

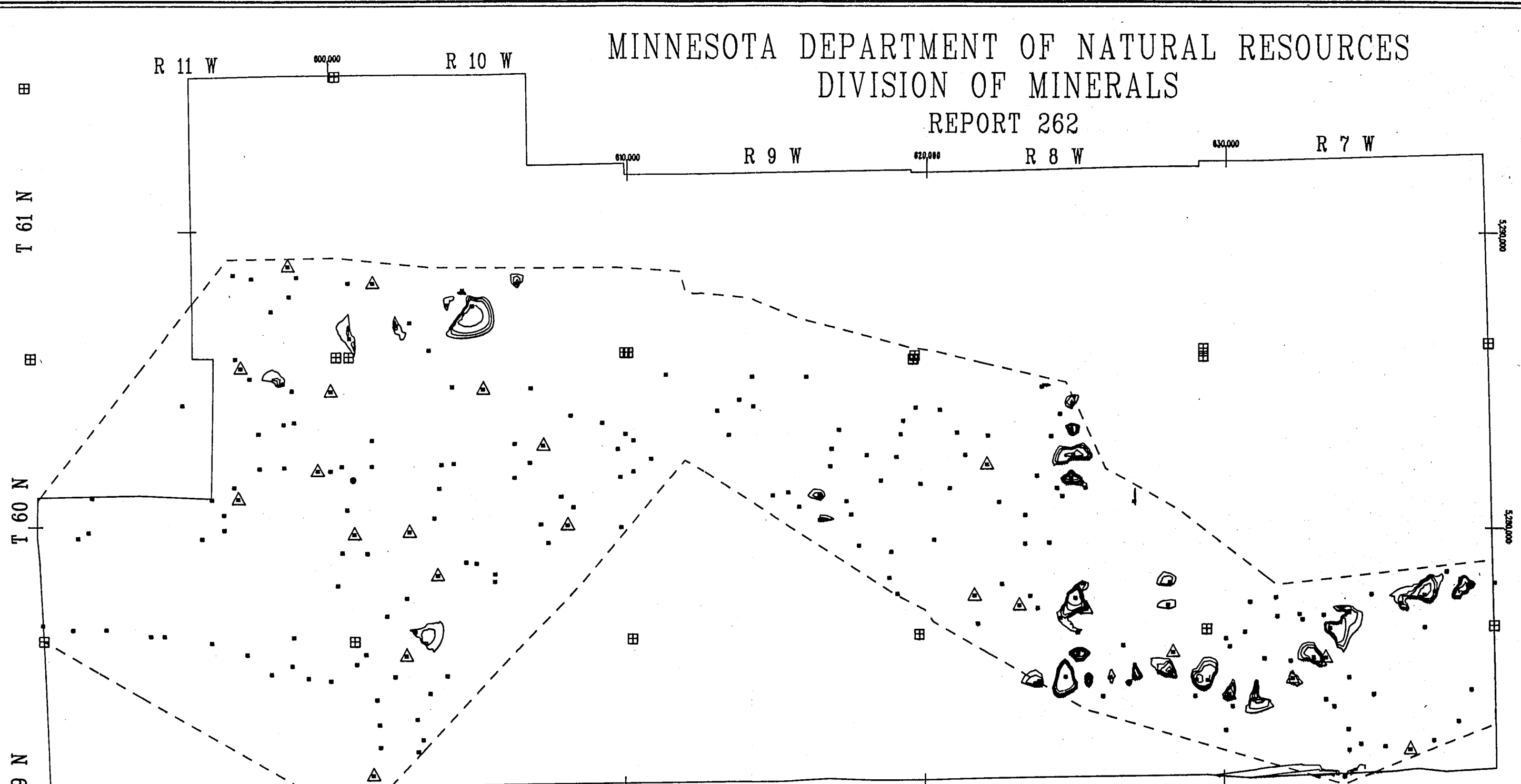


**GEOCHEMICAL MAP**  
 BA  
 JACK PINE  
 BA contours shown at 85, 90,  
 and 95 percentiles.  
 Map 48  
 LMC/PIC 6/89



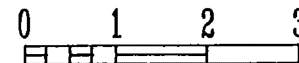
MINNESOTA DEPARTMENT OF NATURAL RESOURCES  
 DIVISION OF MINERALS

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EXPLANATION

- |                       |                      |
|-----------------------|----------------------|
| Township Corners      | PT > 10 ppb          |
| Sample Locations      | PD (95th percentile) |
| Study Area            | IR > .1 ppb          |
| Vegetation Study Area |                      |
| UTM Coordinates       |                      |



MILES

GEOCHEMICAL MAP

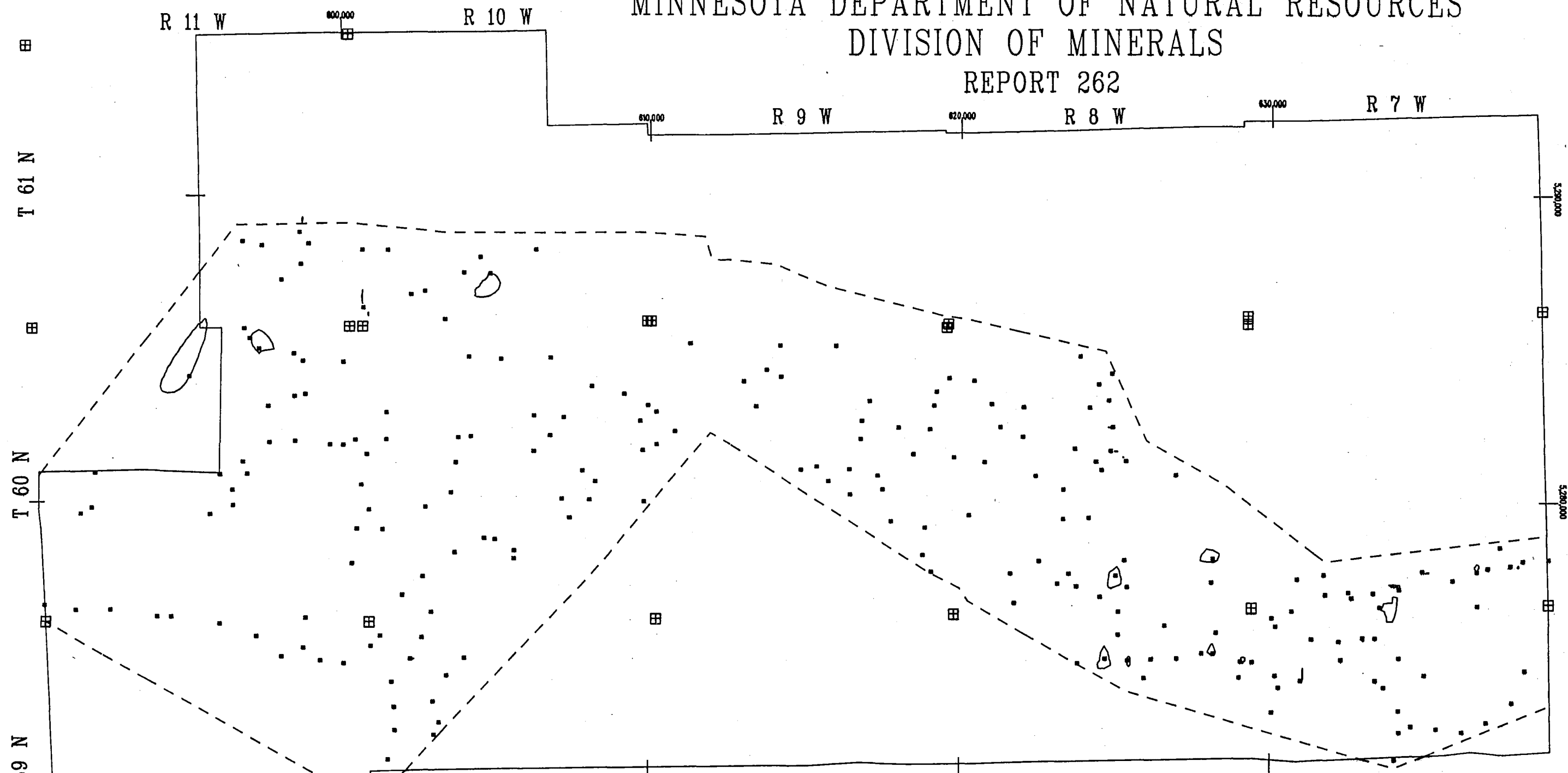
CR, PT, PD, IR  
 BALSAM FIR






CR contours shown at 80, 85,  
 90 and 95 percentiles.

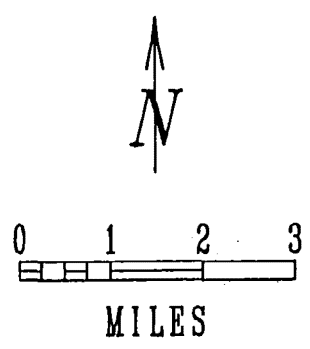
Map 49

LMIC/PIC 6/89

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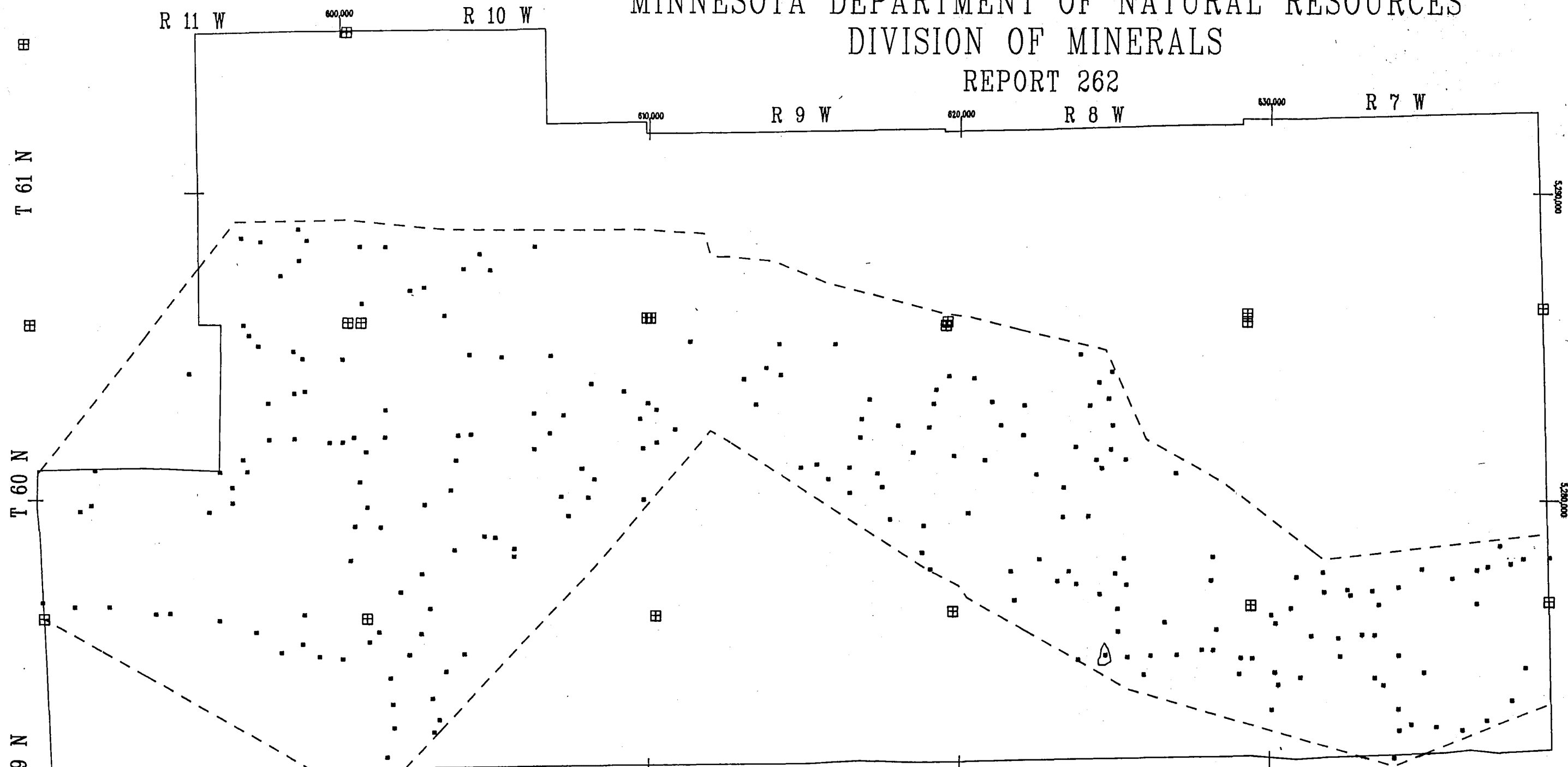
- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
  -  Vegetation Study Area
  -  UTM Coordinates

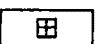


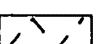
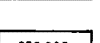


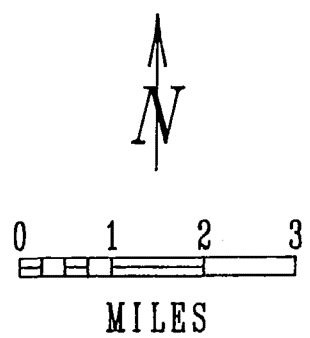
**GEOCHEMICAL MAP**  
 CO  
 BALSAM FIR  
 CO contours shown at 85th  
 percentile.  
 Map 50  
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- EXPLANATION**
-  Township Corners
  -  Sample Locations
  -  Study Area
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  -  UTM Coordinates



**GEOCHEMICAL MAP**

Ni  
BALSAM FIR

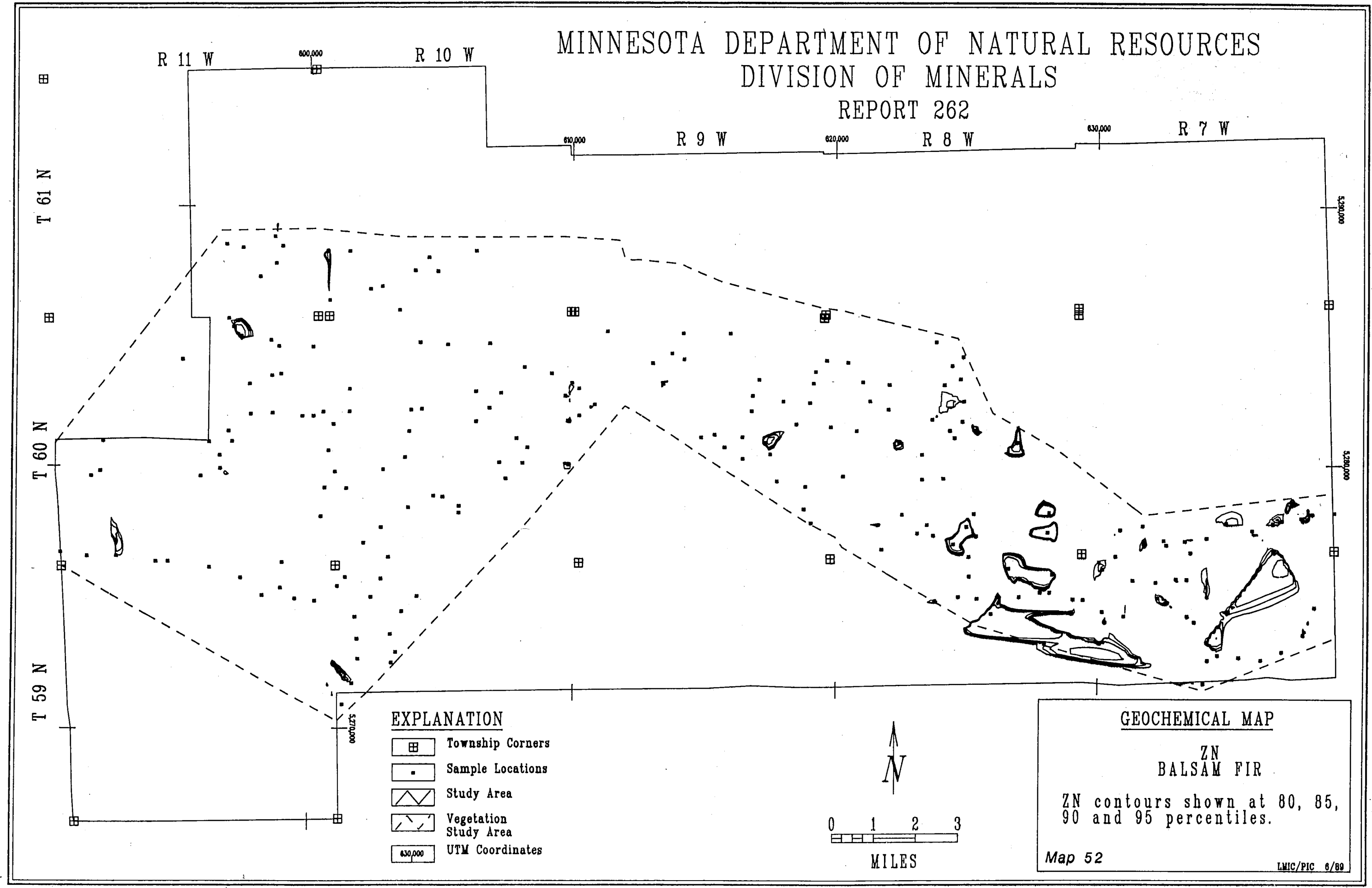
Ni contours shown at 99th percentile.

Map 51

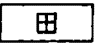


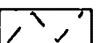
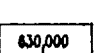
LMIC/PIC 6/89

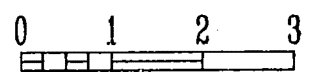
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-  Township Corners
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MILES

GEOCHEMICAL MAP

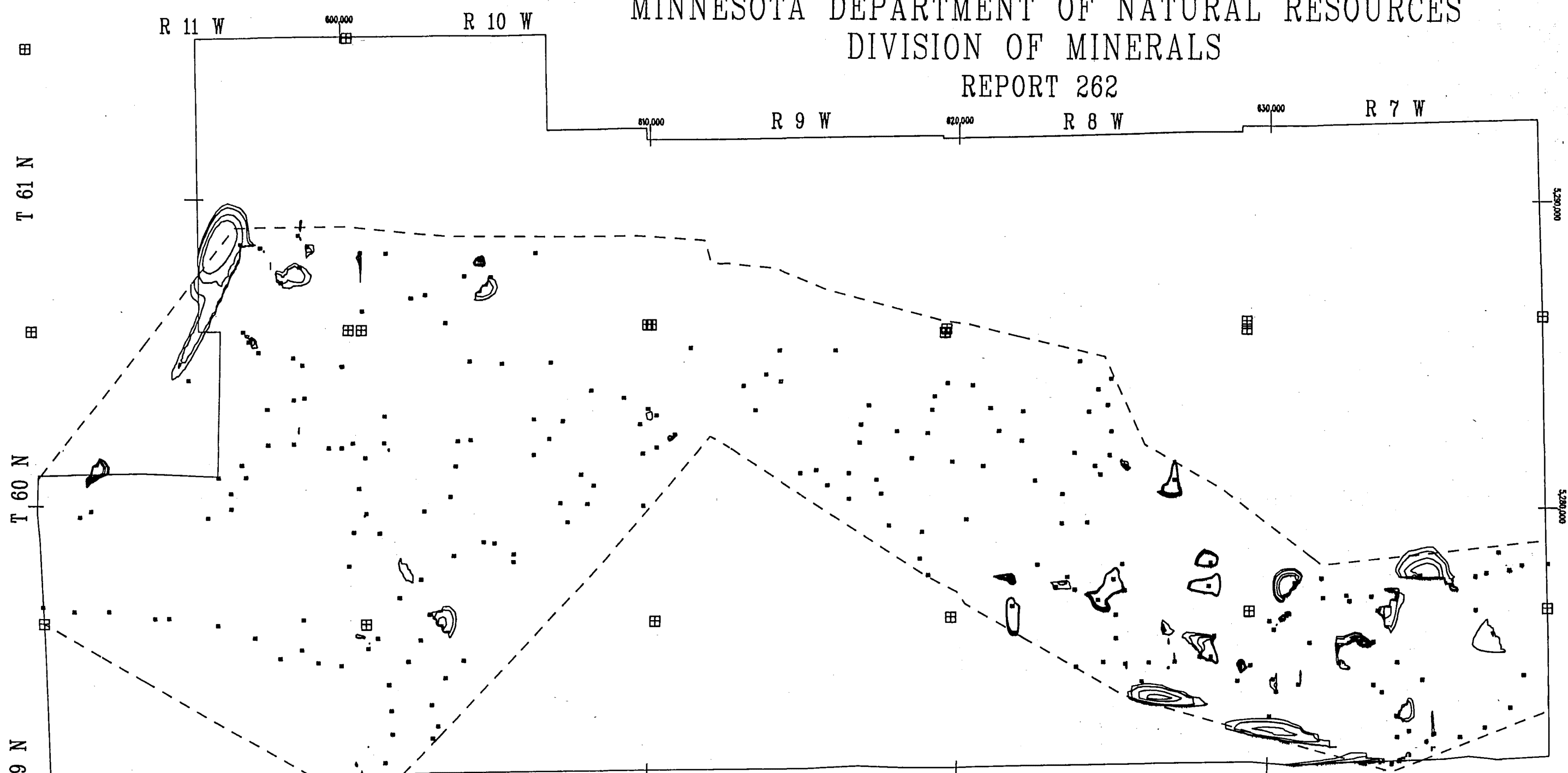
ZN  
BALSAM FIR

ZN contours shown at 80, 85,  
90 and 95 percentiles.






Map 52

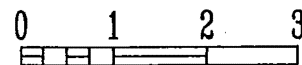
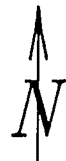
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MILES

GEOCHEMICAL MAP

BR  
 BALSAM FIR

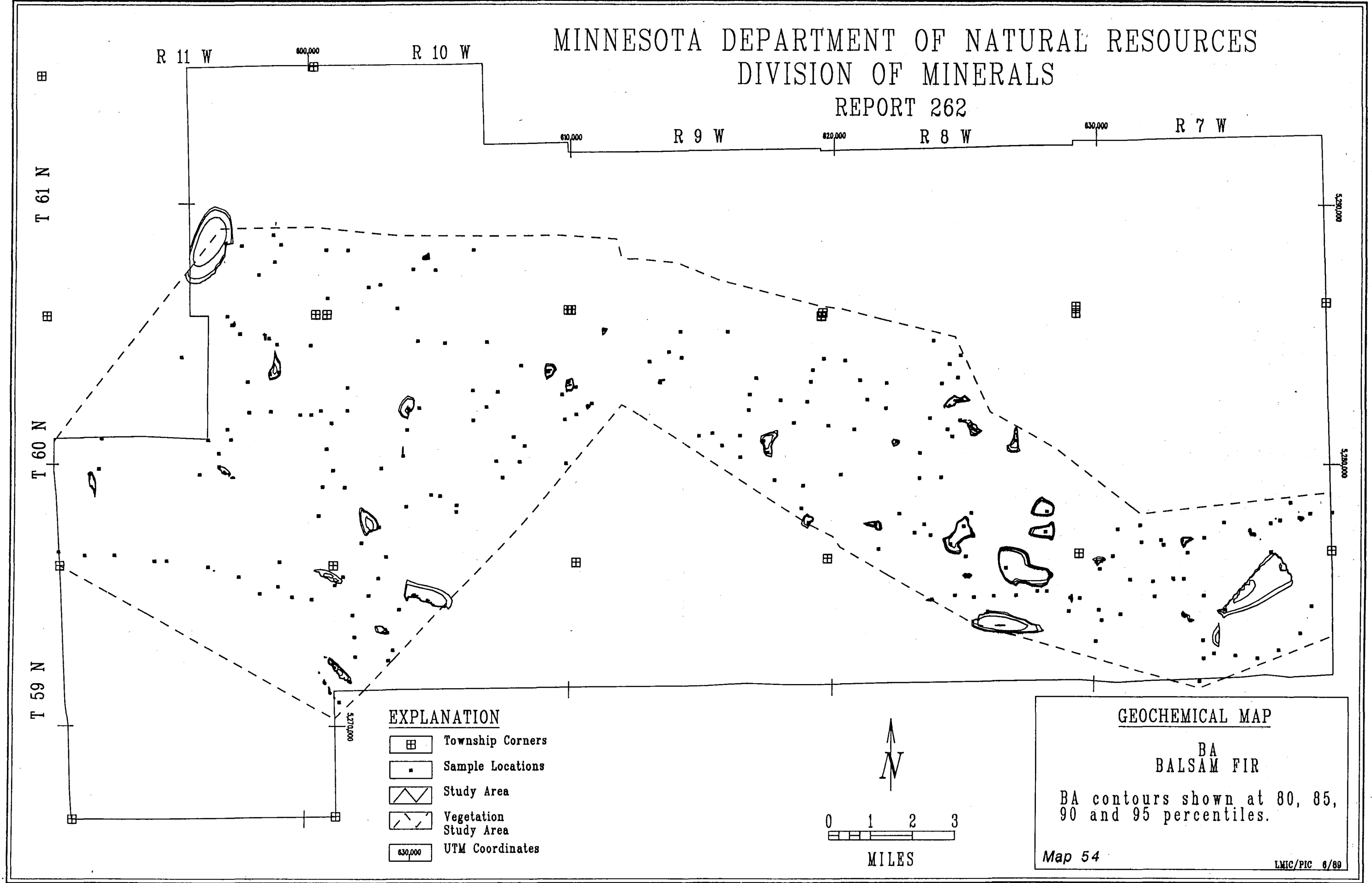
BR contours shown at 80, 85,  
 90 and 95 percentiles.

Map 53






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**GEOCHEMICAL MAP**

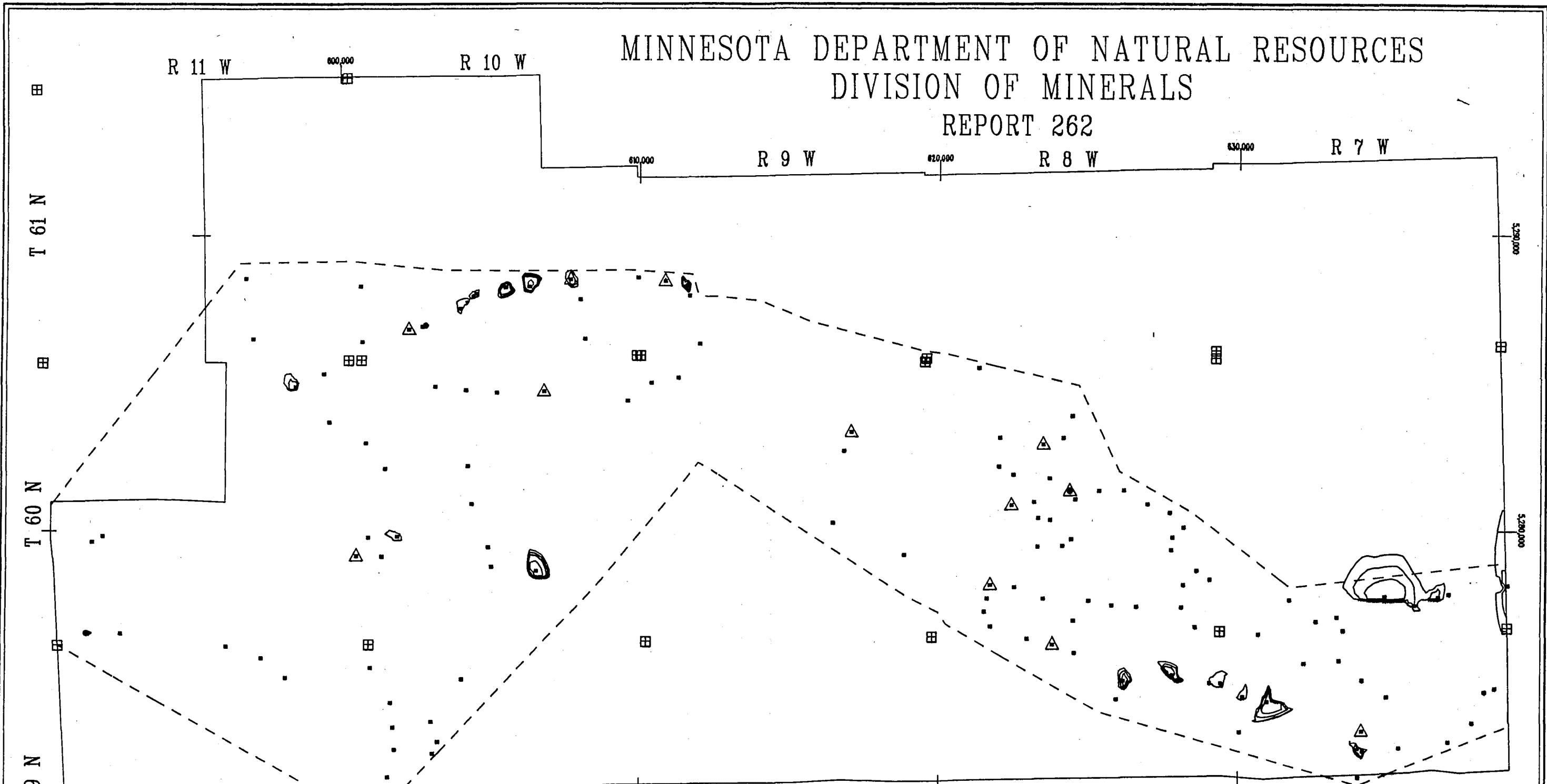
BA  
 BALSAM FIR

BA contours shown at 80, 85,  
 90 and 95 percentiles.

Map 54

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**EXPLANATION**

- |  |                       |  |                      |
|--|-----------------------|--|----------------------|
|  | Township Corners      |  | PT > 10 ppb          |
|  | Sample Locations      |  | PD (90th percentile) |
|  | Study Area            |  |                      |
|  | Vegetation Study Area |  |                      |
|  | UTM Coordinates       |  |                      |

**GEOCHEMICAL MAP**

CR, PT, PD  
 ALDER

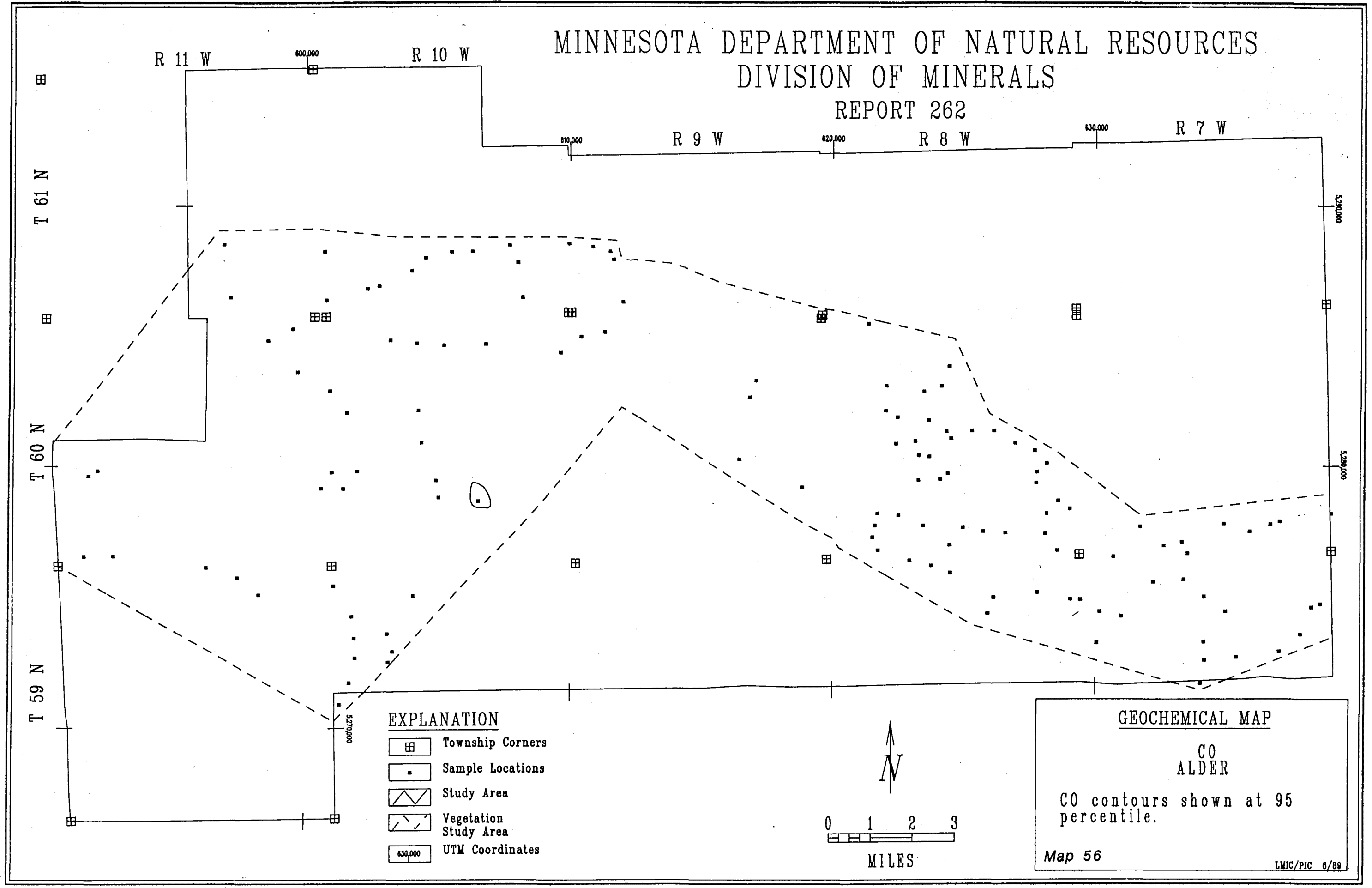
CR contours shown at 80, 85, 90 and 95 percentiles. No IR samples were above the detection threshold.

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




Map 55

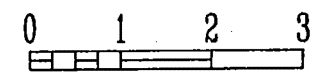
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MILES

**GEOCHEMICAL MAP**

CO  
ALDER

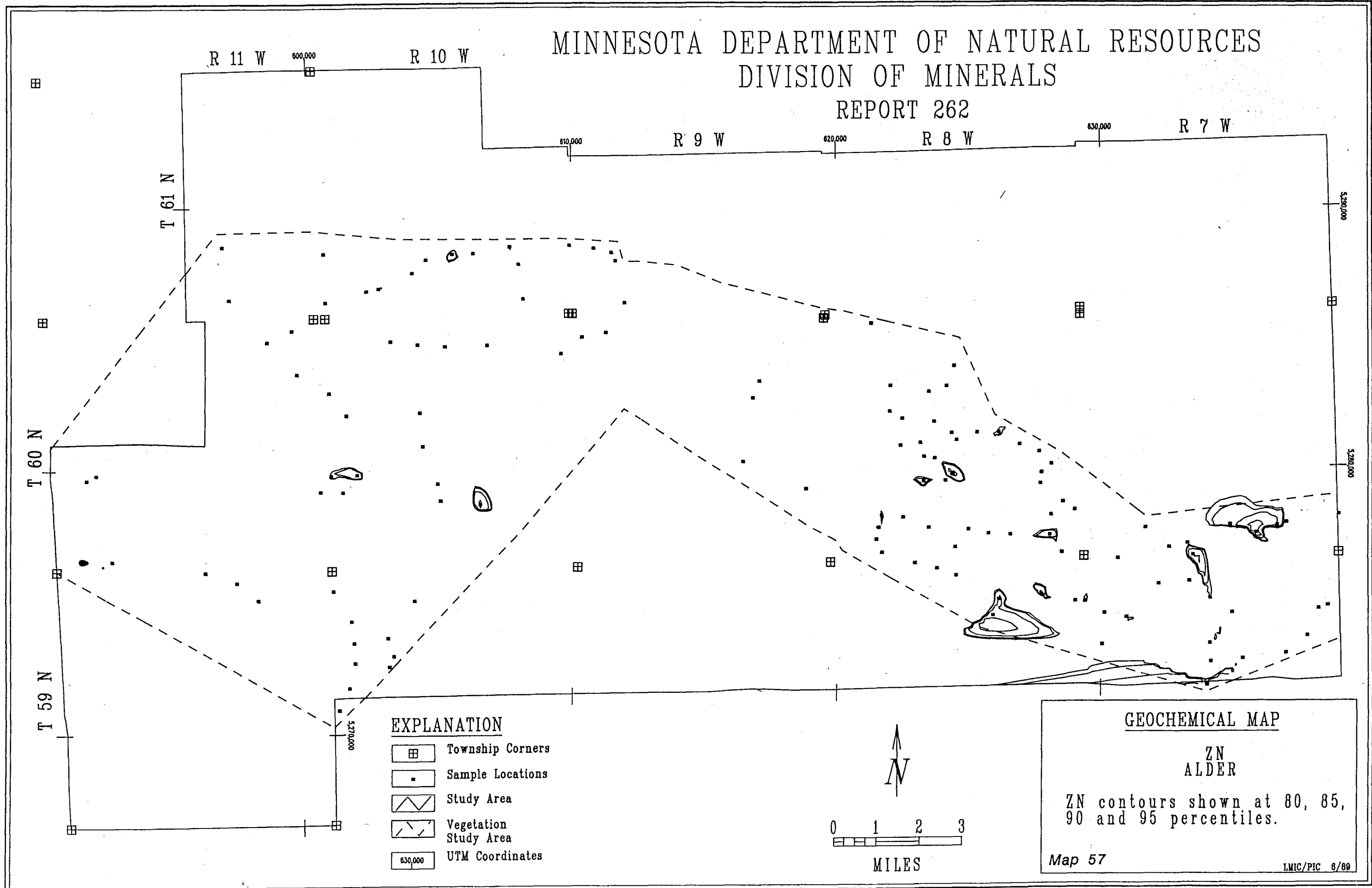
CO contours shown at 95  
percentile.

Map 56



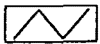
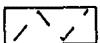
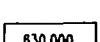


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EXPLANATION

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GEOCHEMICAL MAP

ZN  
ALDER

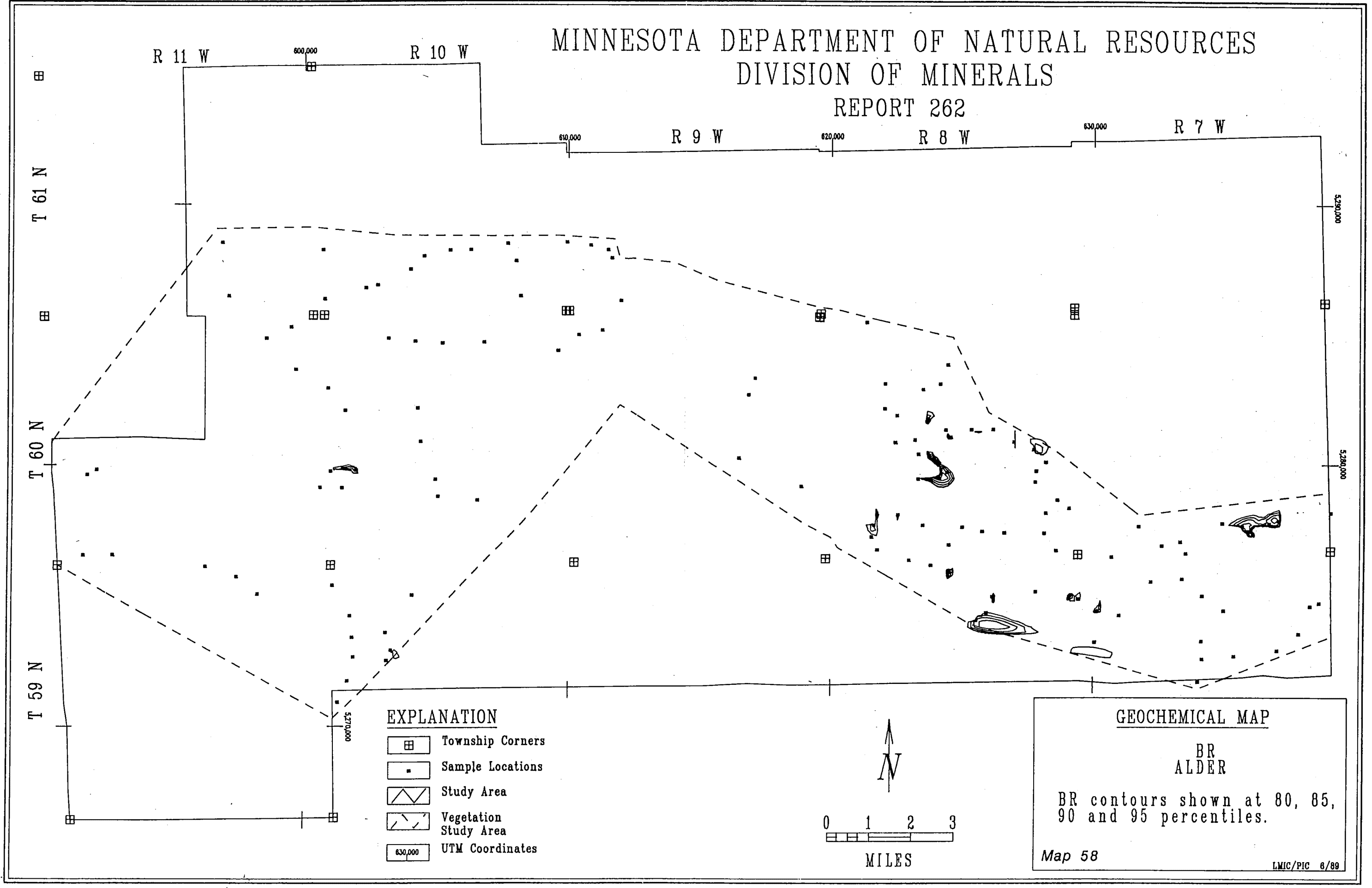
ZN contours shown at 80, 85,  
90 and 95 percentiles.

Map 57






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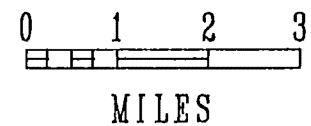
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-  Township Corners
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GEOCHEMICAL MAP

BR  
ALDER

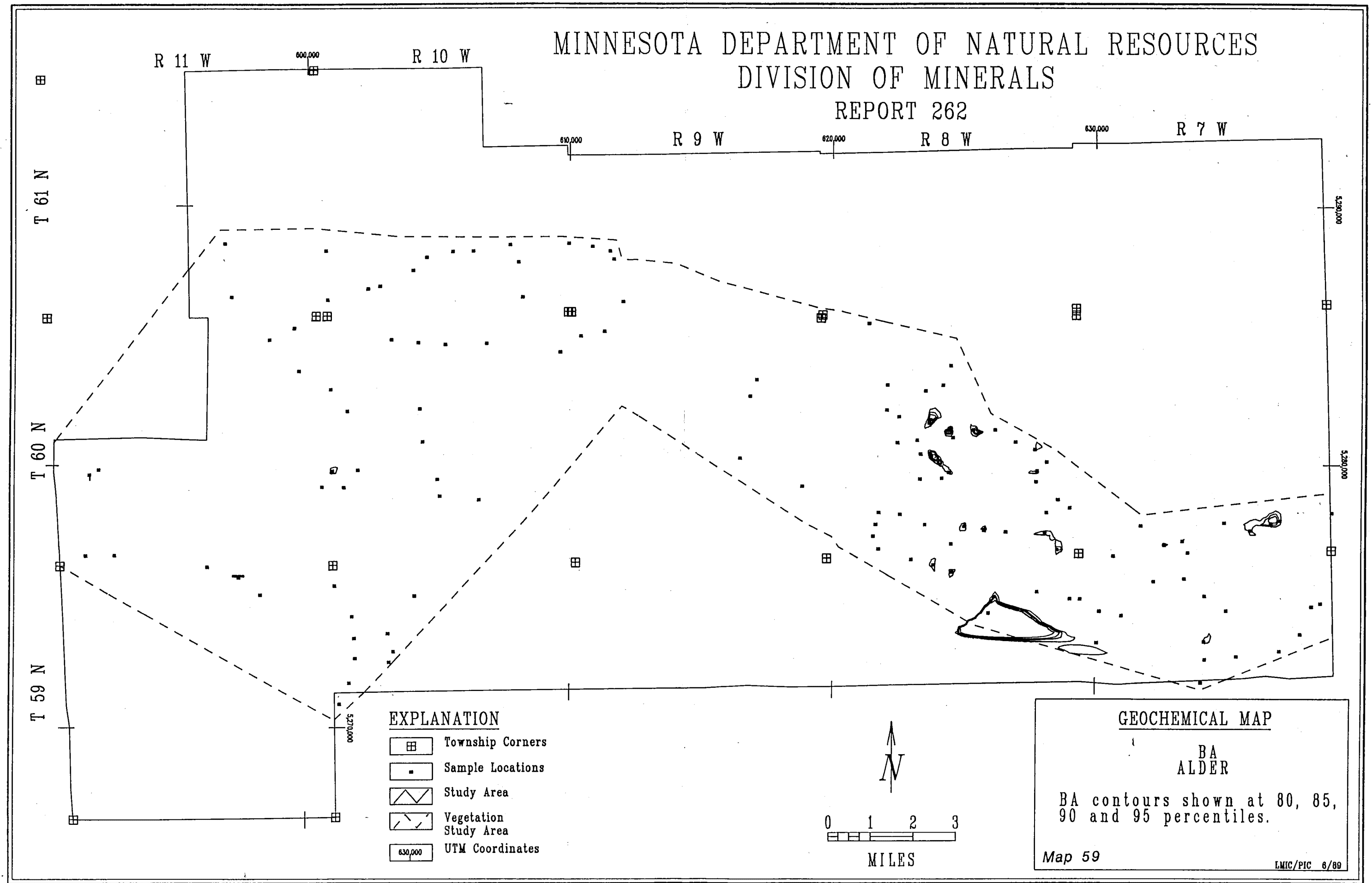
BR contours shown at 80, 85,  
90 and 95 percentiles.

Map 58






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-  Township Corners
-  Sample Locations
-  Study Area
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-  UTM Coordinates

**GEOCHEMICAL MAP**

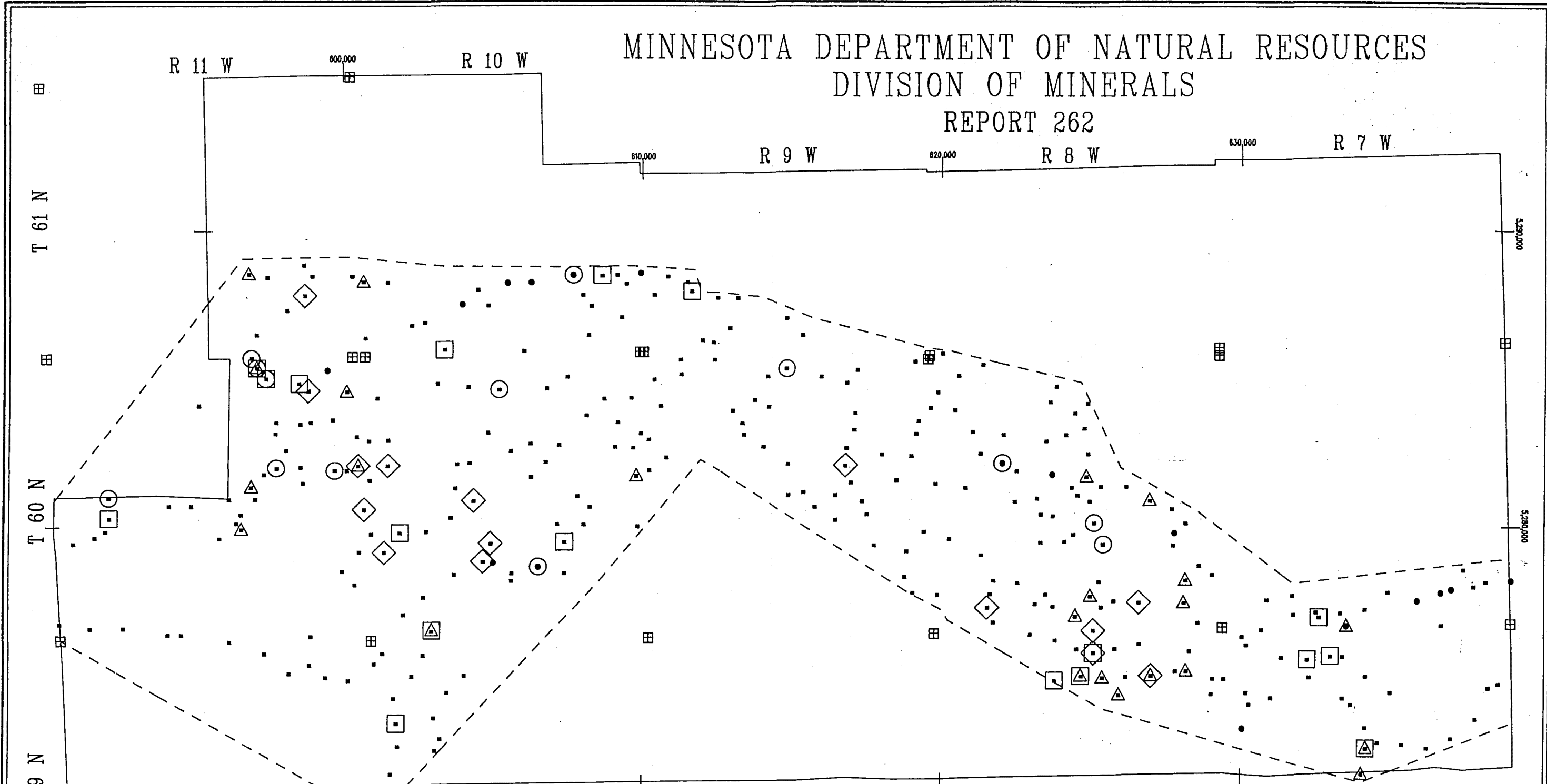
BA  
ALDER

BA contours shown at 80, 85,  
90 and 95 percentiles.

Map 59

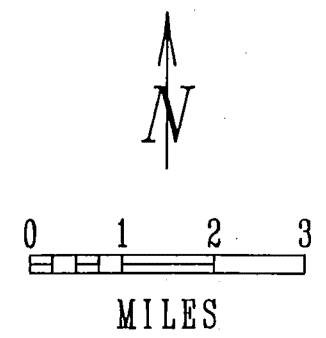
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EXPLANATION

- |  |                       |  |              |
|--|-----------------------|--|--------------|
|  | Township Corners      |  | Alder        |
|  | Sample Locations      |  | Balsam Fir   |
|  | Study Area            |  | Jack Pine    |
|  | Vegetation Study Area |  | Black Spruce |
|  | UTM Coordinates       |  | White Spruce |



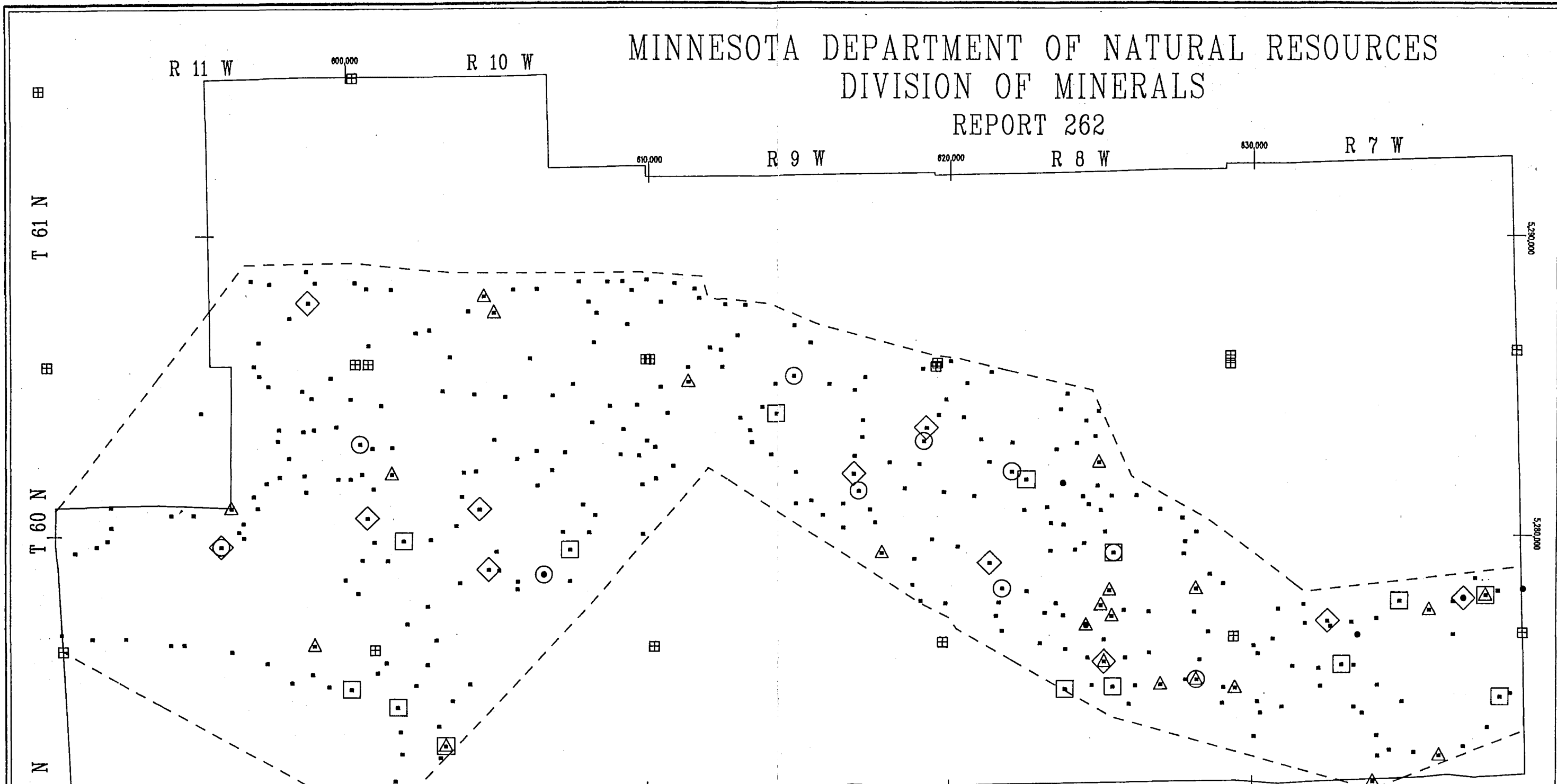
GEOCHEMICAL MAP

AS  
 Alder, Balsam Fir, Jack Pine,  
 Black Spruce, and White Spruce  
 for values above the 90th  
 percentile.

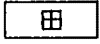


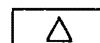

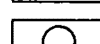
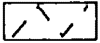
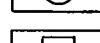
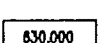
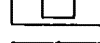
Map 60

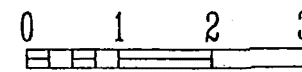
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EXPLANATION

- |  |                       |   |              |
|--|-----------------------|---|--------------|
|  | Township Corners      |  | Alder        |
|  | Sample Locations      |  | Balsam Fir   |
|  | Study Area            |  | Jack Pine    |
|  | Vegetation Study Area |  | Black Spruce |
|  | UTM Coordinates       |  | White Spruce |



MILES

GEOCHEMICAL MAP

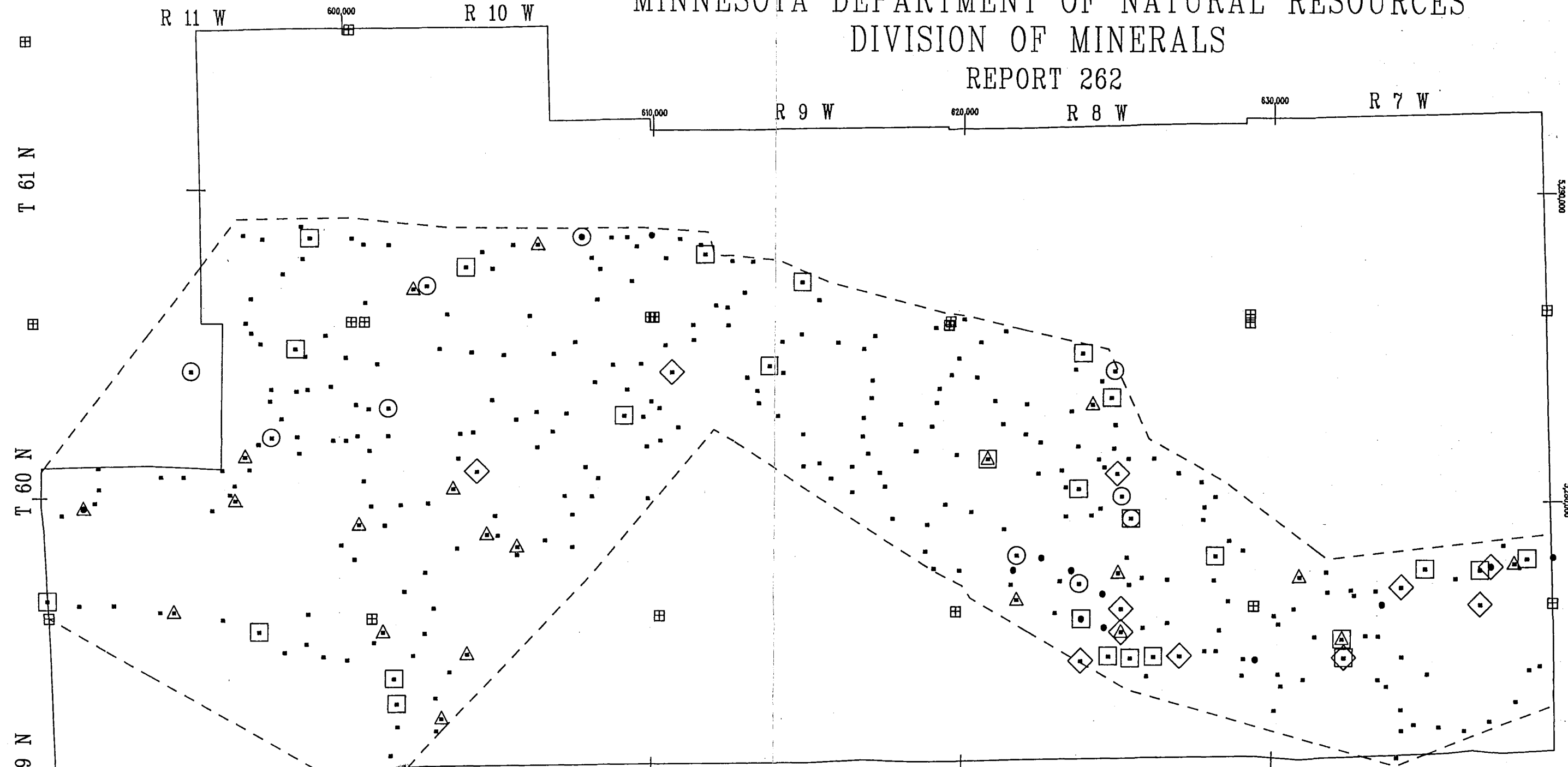
SB

Alder, Balsam Fir, Jack Pine, Black Spruce, and White Spruce for values above the 90th percentile.

Map 61

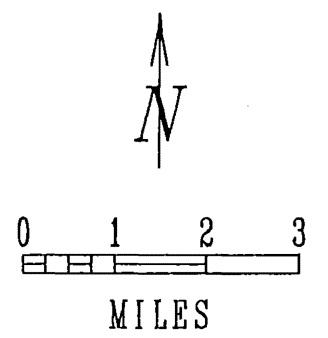
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EXPLANATION

- |  |                       |  |              |
|--|-----------------------|--|--------------|
|  | Township Corners      |  | Alder        |
|  | Sample Locations      |  | Balsam Fir   |
|  | Study Area            |  | Jack Pine    |
|  | Vegetation Study Area |  | Black Spruce |
|  | UTM Coordinates       |  | White Spruce |



GEOCHEMICAL MAP

M0  
 Alder, Balsam Fir, Jack Pine,  
 Black Spruce, and White Spruce  
 for values above the 90th  
 percentile.

Map 62