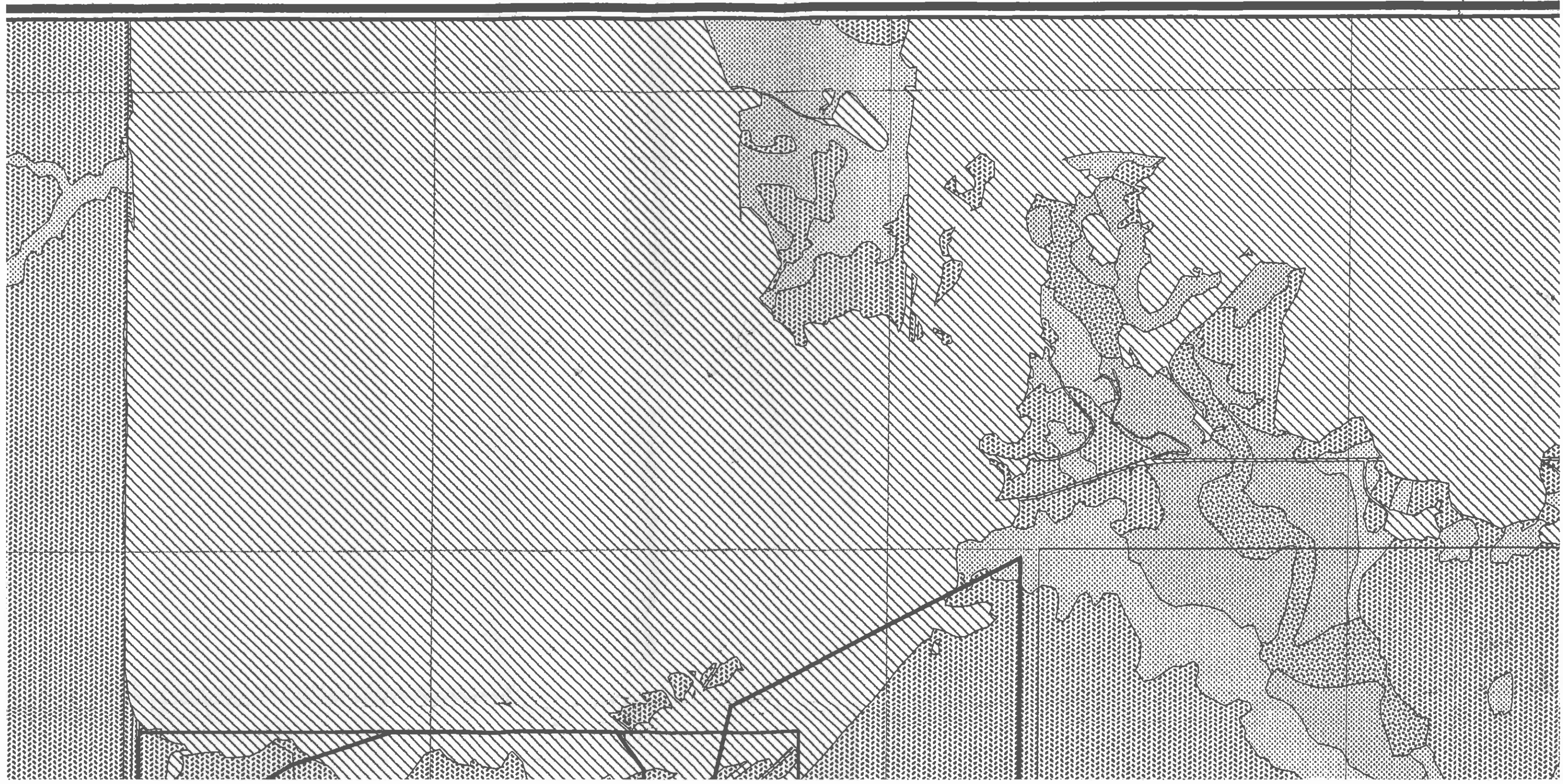


**Map 1**  
**N12/N99 North/South**  
**Baseline Vegetation Sampling Map**  
**Black Mesa Mining Complex**

**Kayenta Mine, Black Mesa Complex**  
**PO Box 650, Kayenta, Arizona 86033**

<b>Produced For:</b> Vern Pfannenstiel	<b>Map By:</b> J. Hamilton
<b>Map Scale:</b> 1 : 12000	<b>Contour Interval:</b> N/A
<b>Photo Date:</b>	<b>Photo Resolution:</b> N/A
<b>s:\gis\permit_apr\resource_areas_veg.apr</b>	<b>Plot Date:</b> January 14, 2004

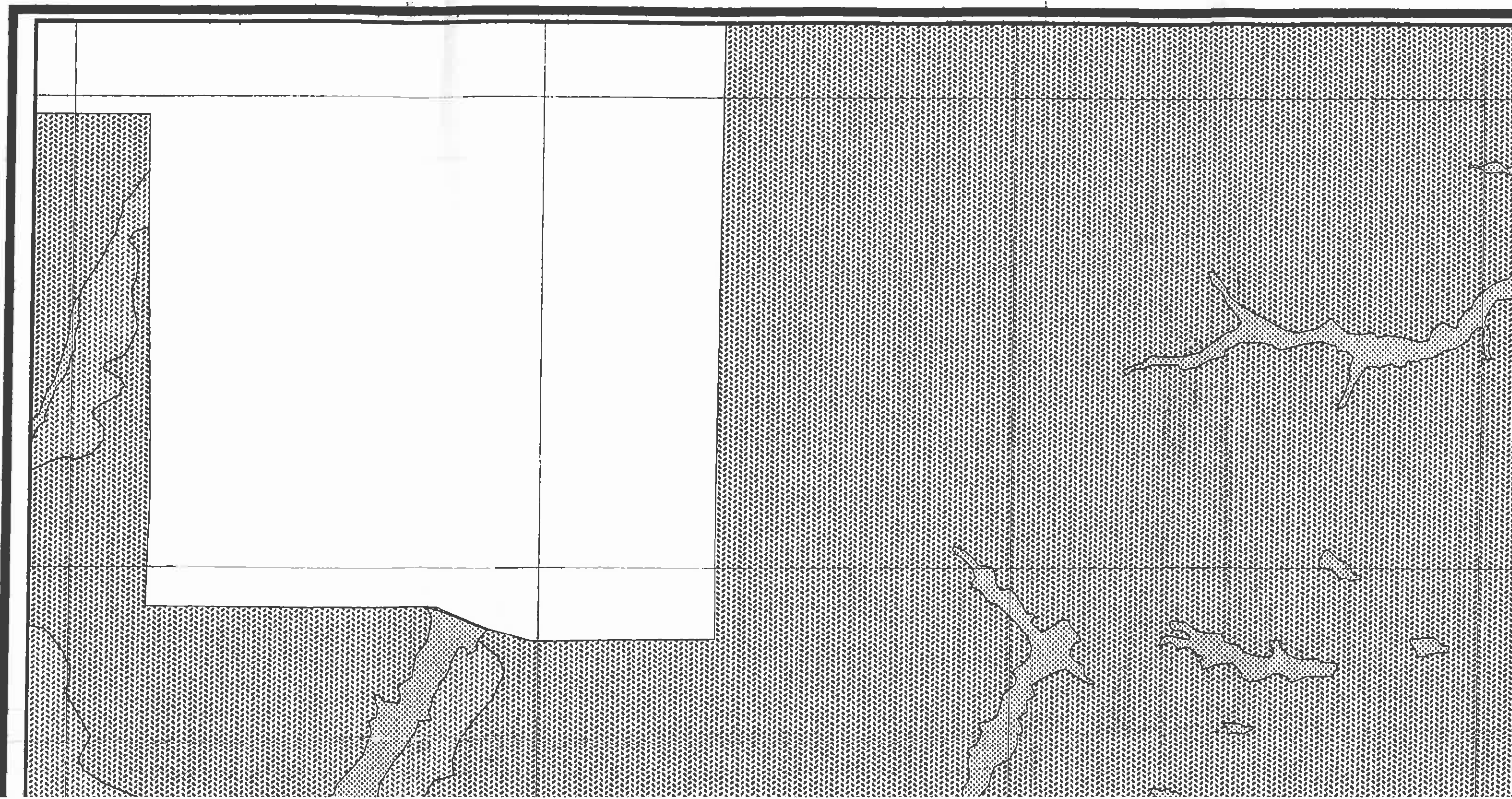




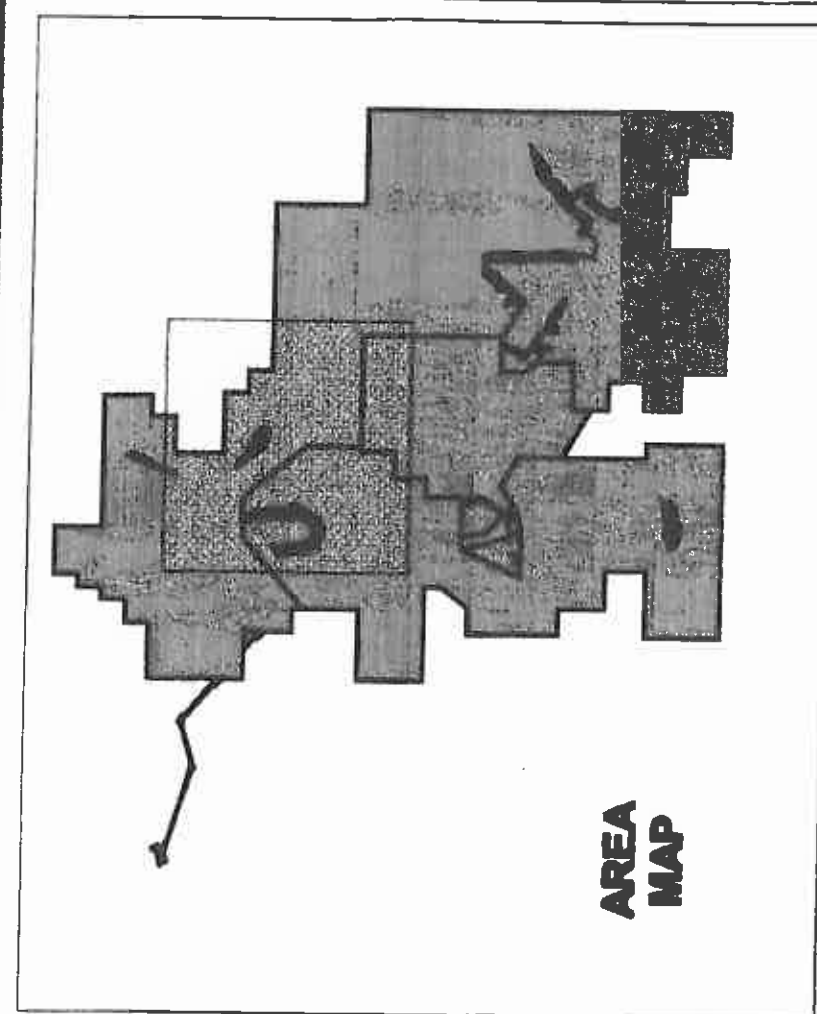
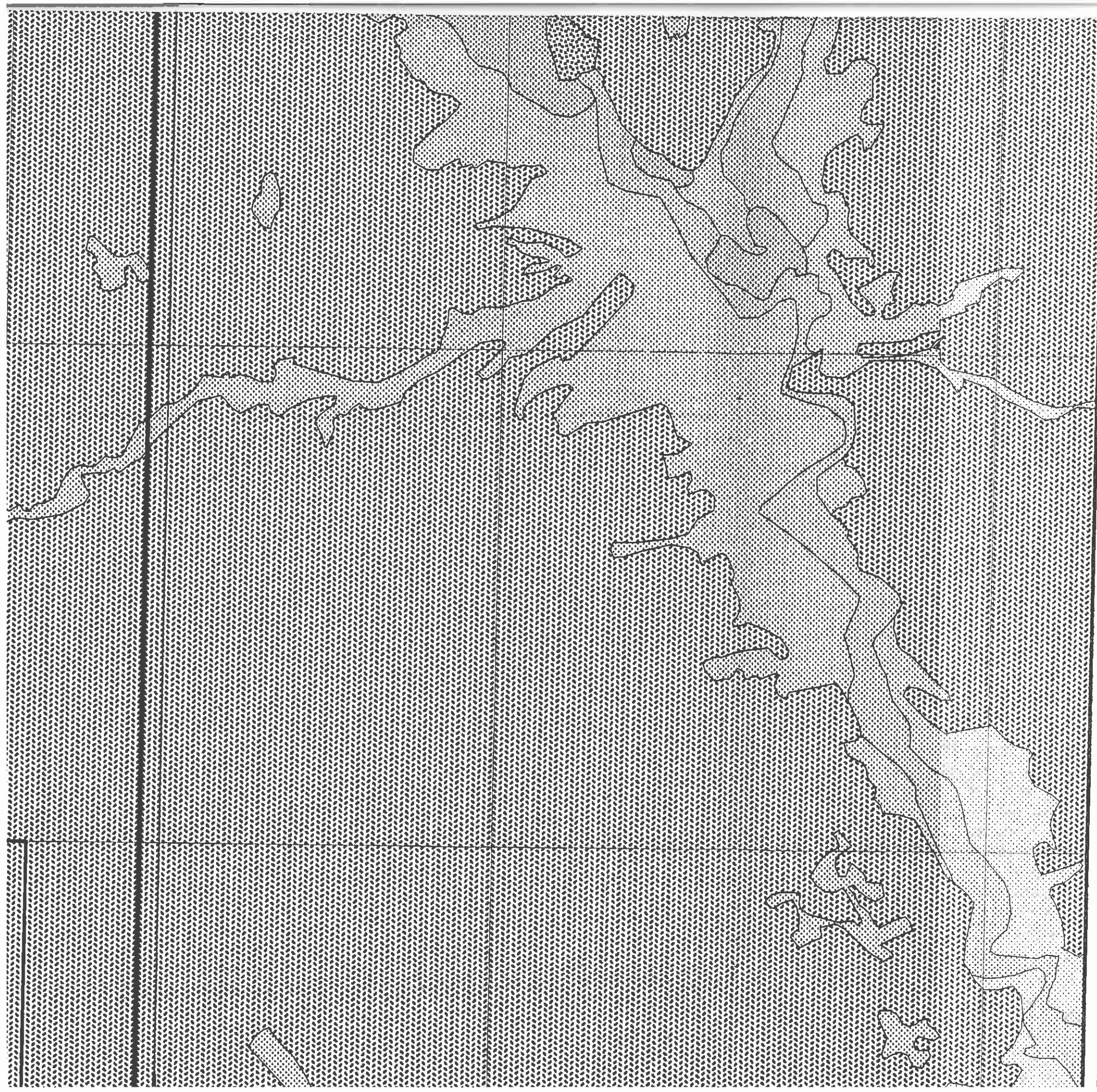






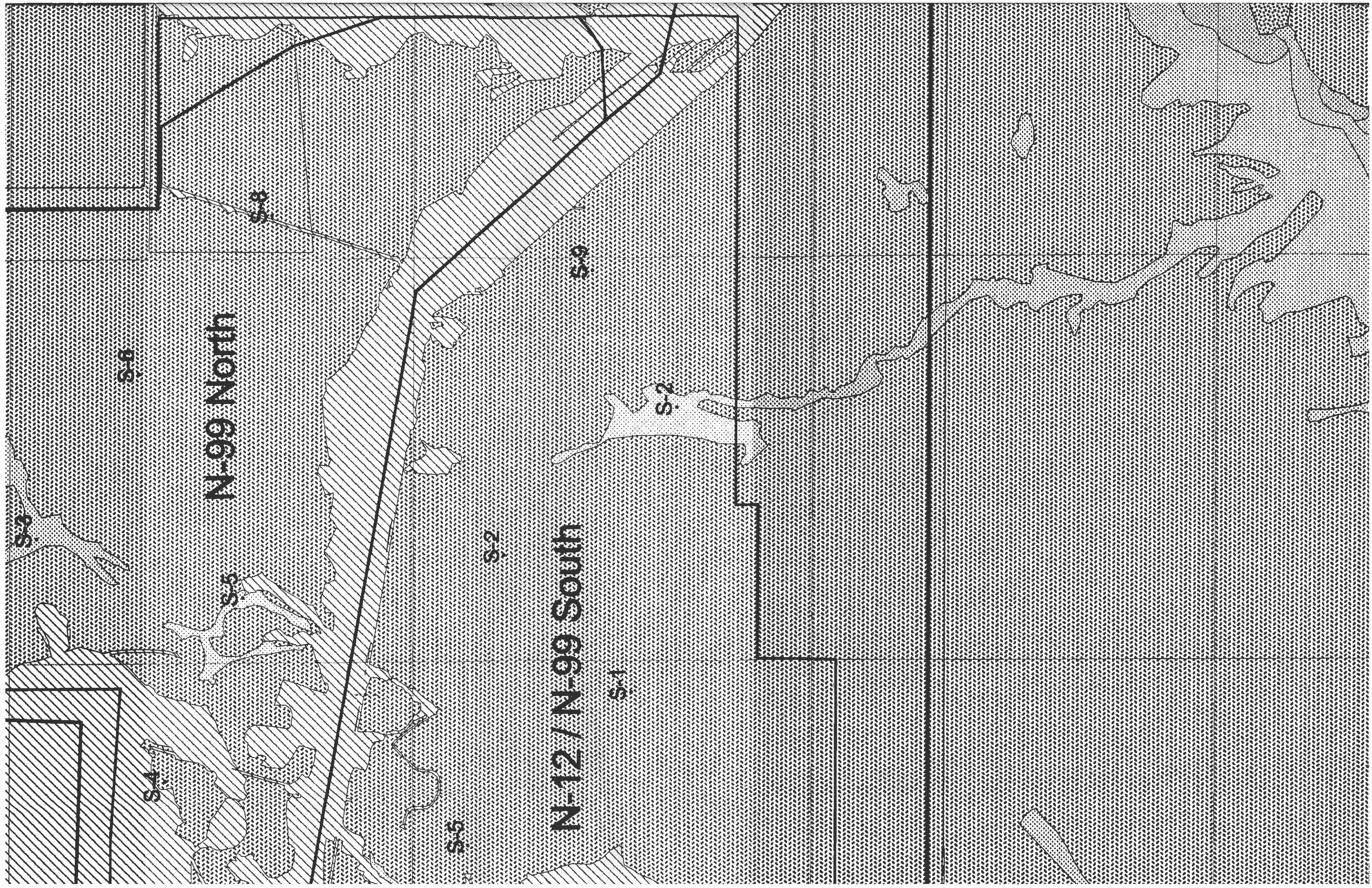






**AREA  
MAP**





N-99 North

N-12 / N-99 South

S-8

S-8

S-9

S-2

S-2

S-5

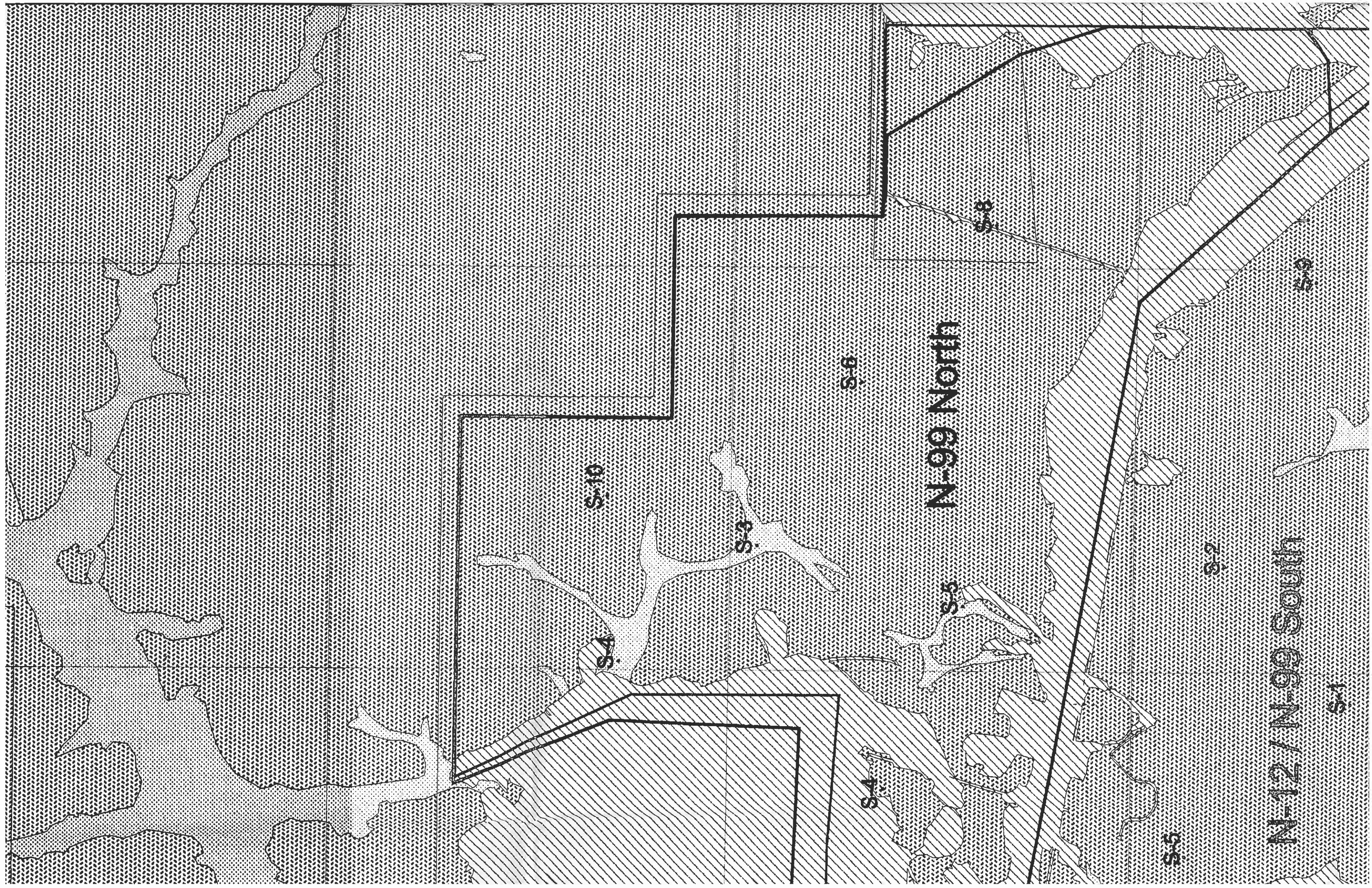
S-1

S-5

S-4

S-3





S-10

S-9

S-8

S-6

N-99 North

S-5

S-2

N-12 / N-99 South

S-4

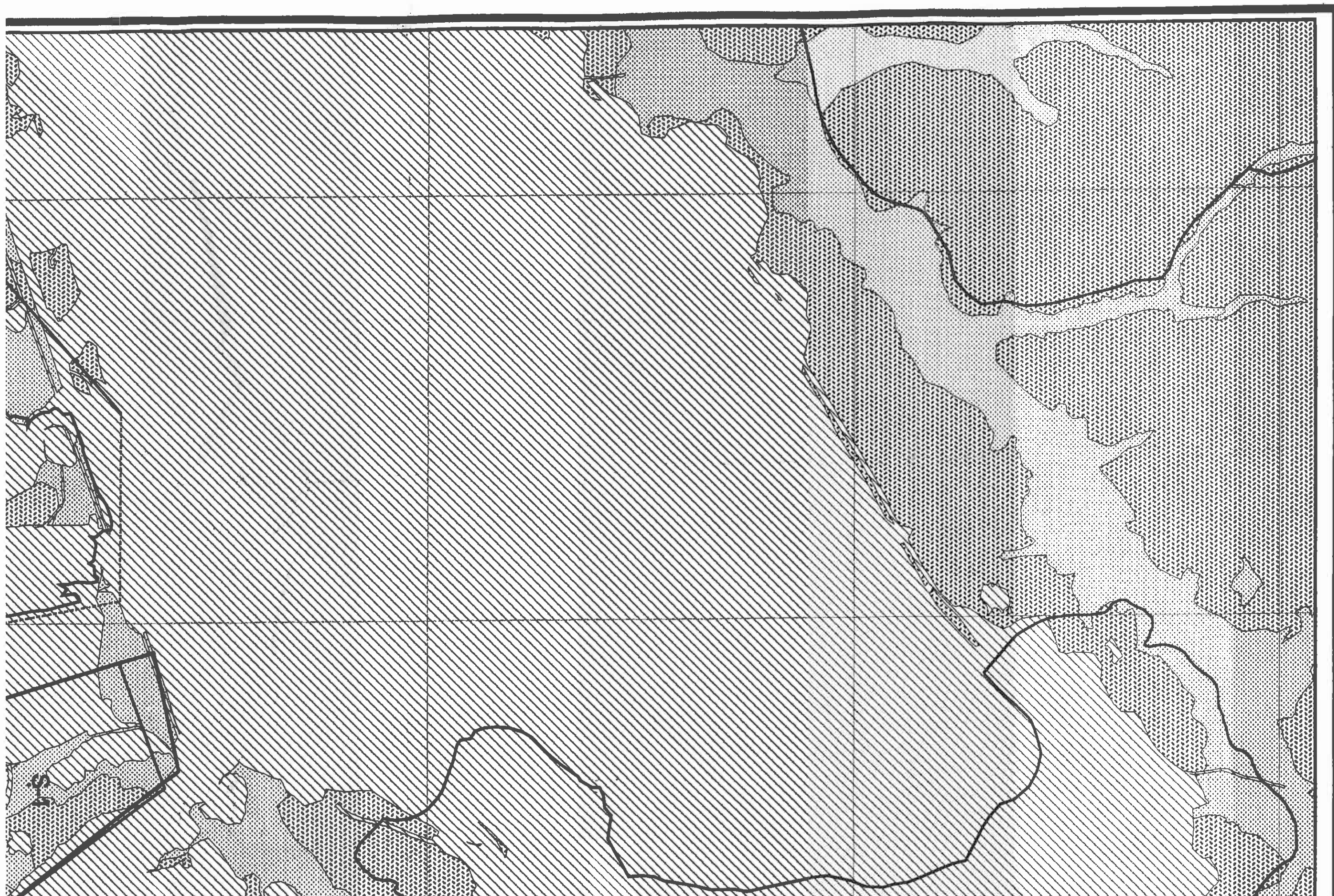
S-3

S-1

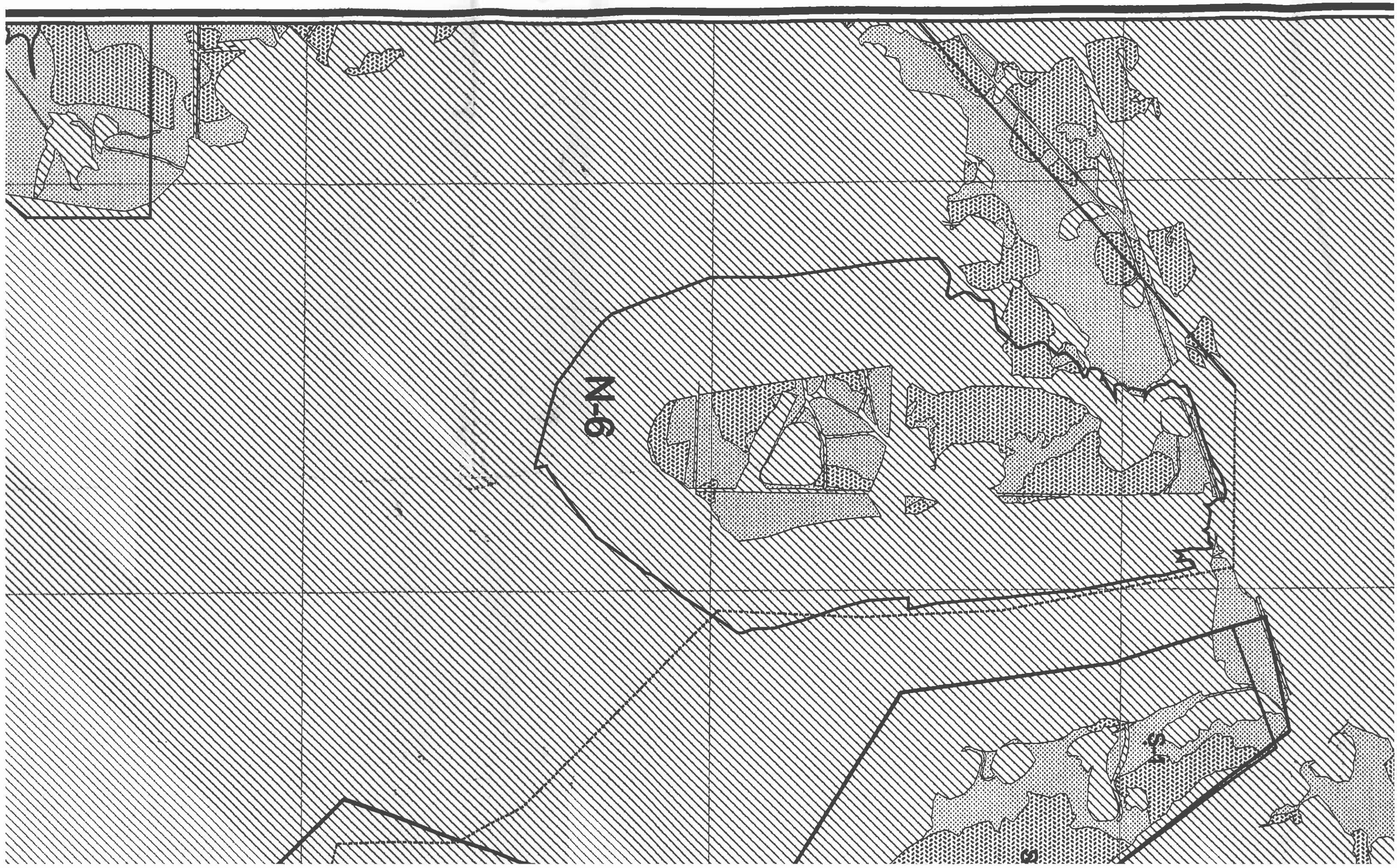
S-8

S-9









N-6

6

2





14

M-6





**ENGINEERING/RECLAMATION DEPARTMENT**

**VERN PEANNENSTIEL**  
**SENIOR ENVIRONMENTAL SCIENTIST**

**DATE**

Black Mesa Complex, Peabody Western Coal Company

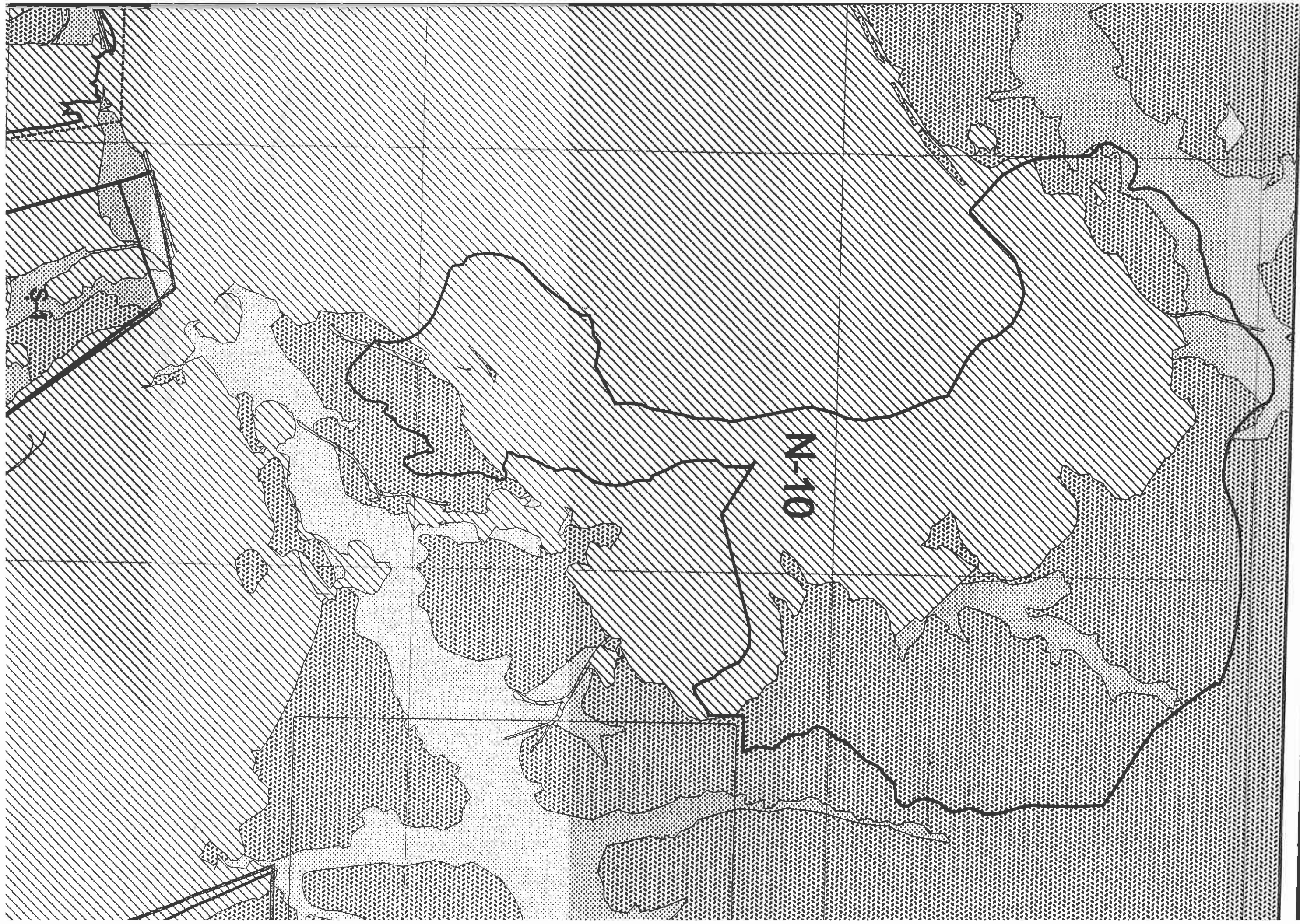


1000 0 1000 2000 Feet



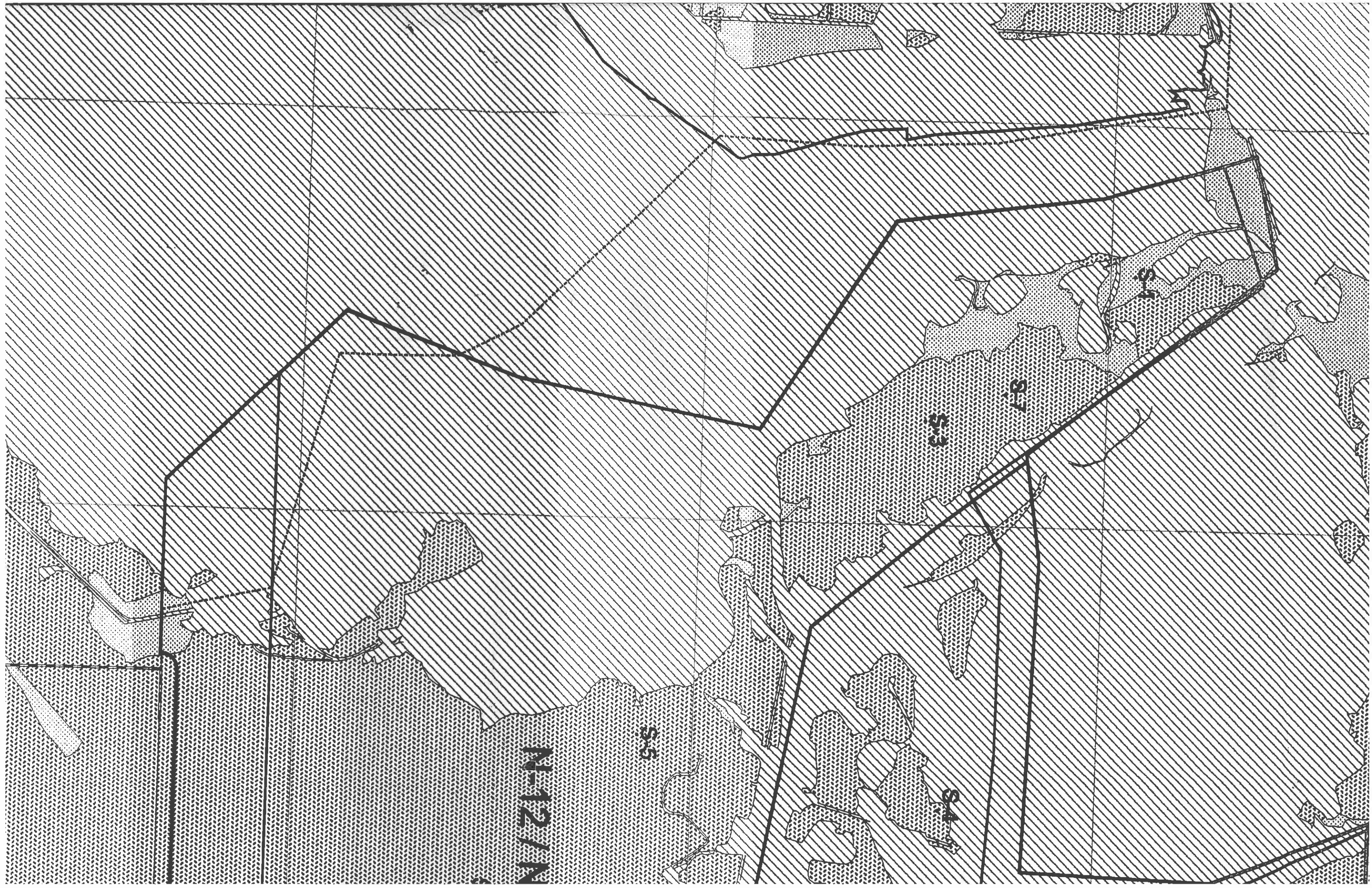
- Permit Boundaries**
- Existing 01
  - Existing 10
  - Proposed 1
  - Vegetation (S-1)
  - Coal Reson
  - Study Area





N-10





N-12/W

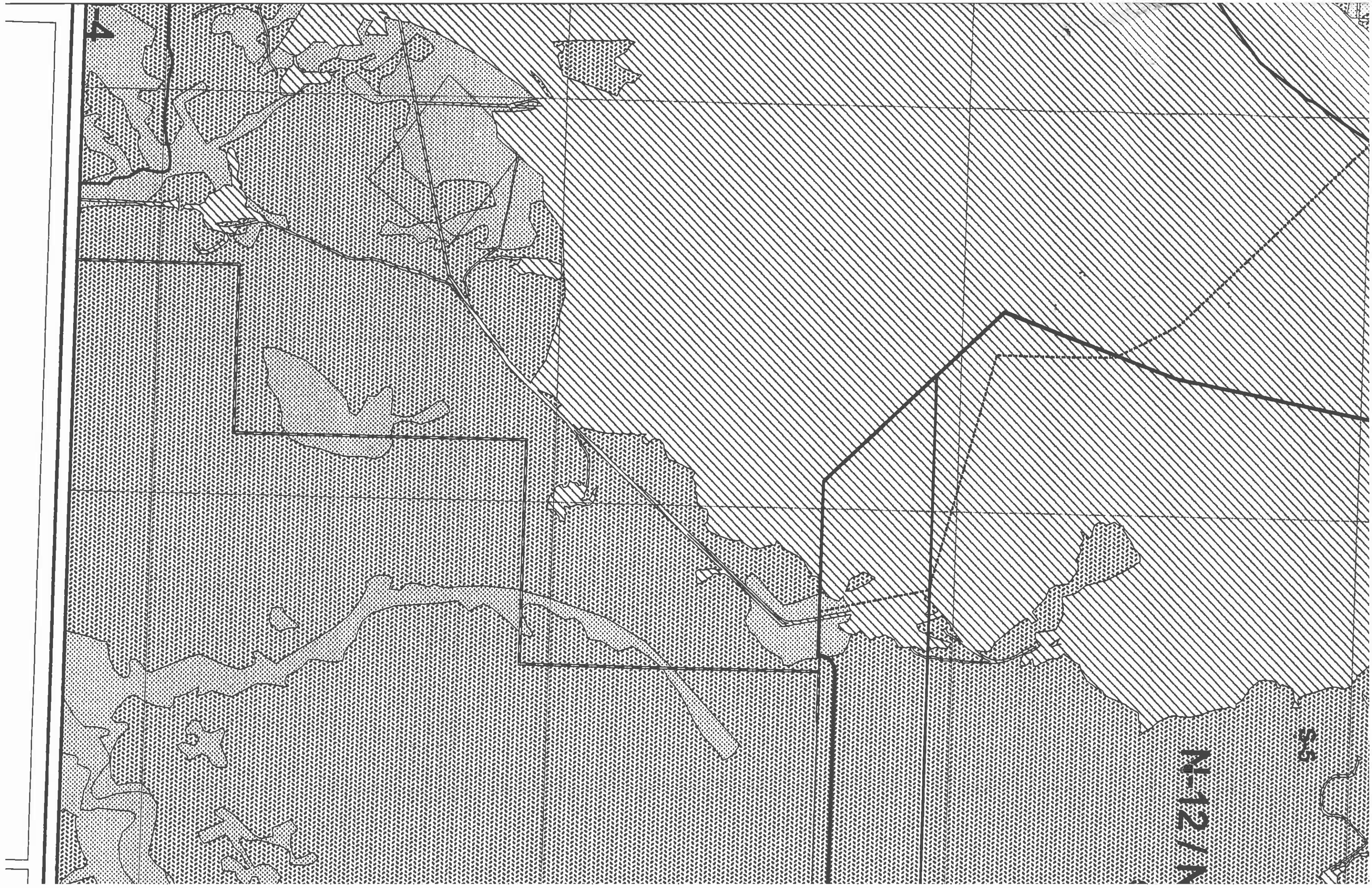
35

2

2

4

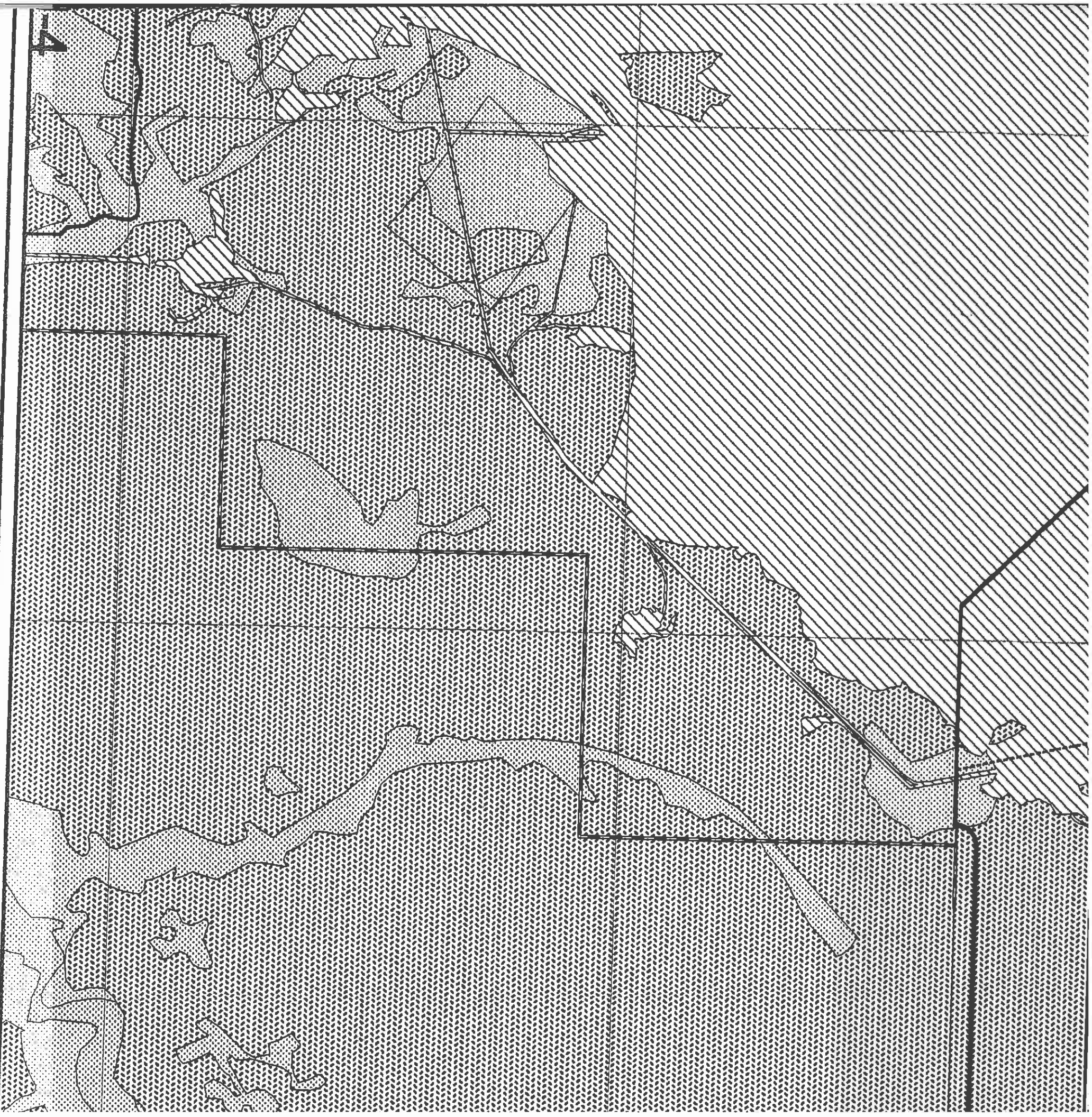










M-12/M

85












**Permit Boundaries**

-  Existing 01 Permit Line
-  Existing 1D Permit Line
-  Proposed 1D Permit Line
-  Vegetation Sample Location (S-1, S-2, etc.)
-  Coal Resource Areas
-  Study Area

-  DL - Disturbed / Reclaimed Land
-  GR - Grasswood Shrubland
-  MC - Mixed Curlier Woodland
-  PJ - Pinon-Juniper Woodland
-  SA - Saltmarsh Shrubland
-  SB - Sagebrush Shrubland
-  TA - Tamarix Riparian Shrubland