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State of California  
THE RESOURCES AGENCY  
Department of Water Resources

BULLETIN No. 94-12

# LAND AND WATER USE IN SACRAMENTO VALLEY WEST HYDROGRAPHIC UNIT

Volume II: Figures



Preliminary Edition

APRIL 1965

HUGO FISHER  
*Administrator*  
The Resources Agency

EDMUND G. BROWN  
*Governor*  
State of California

WILLIAM E. WARNE  
*Director*  
Department of Water Resources





STATE OF CALIFORNIA  
 THE RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 NORTHERN BRANCH

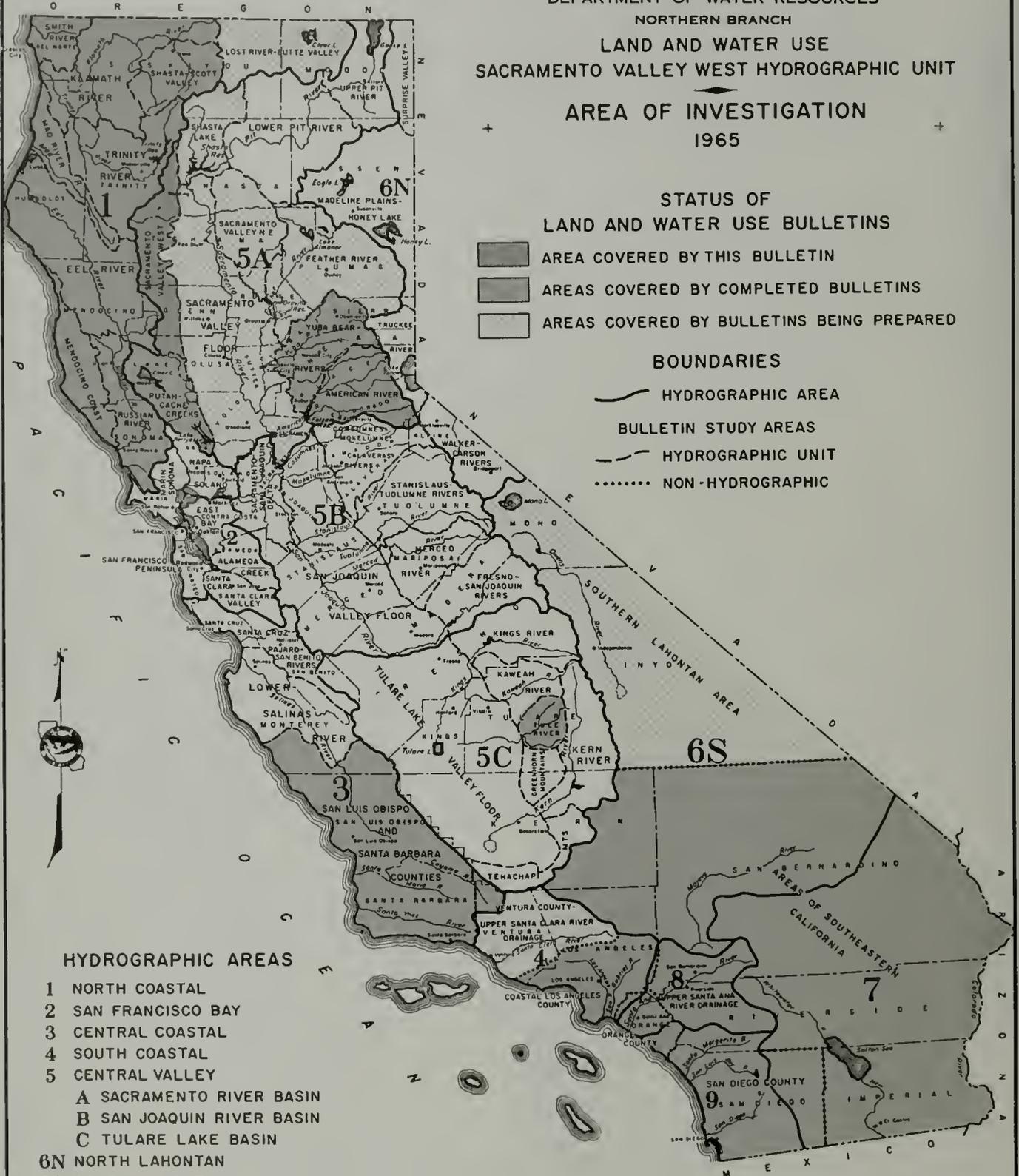
LAND AND WATER USE  
 SACRAMENTO VALLEY WEST HYDROGRAPHIC UNIT  
 AREA OF INVESTIGATION  
 1965

STATUS OF  
 LAND AND WATER USE BULLETINS

-  AREA COVERED BY THIS BULLETIN
-  AREAS COVERED BY COMPLETED BULLETINS
-  AREAS COVERED BY BULLETINS BEING PREPARED

BOUNDARIES

-  HYDROGRAPHIC AREA
-  BULLETIN STUDY AREAS
-  HYDROGRAPHIC UNIT
-  NON-HYDROGRAPHIC



HYDROGRAPHIC AREAS

- 1 NORTH COASTAL
- 2 SAN FRANCISCO BAY
- 3 CENTRAL COASTAL
- 4 SOUTH COASTAL
- 5 CENTRAL VALLEY
  - A SACRAMENTO RIVER BASIN
  - B SAN JOAQUIN RIVER BASIN
  - C TULARE LAKE BASIN
- 6N NORTH LAHONTAN
- 6S SOUTH LAHONTAN
- 7 COLORADO DESERT
- 8 SANTA ANA
- 9 SAN DIEGO

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LAND AND WATER USE BULLETINS

Bulletin No. 94 Series

Bulletin No.	Hydrographic Unit Covered	Year of Survey
94-1	Tule River	1957
94-2	Trinity River	1957
94-3	Yuba - Bear Rivers	1957-58
94-4	Smith River	1958
94-5	Shasta - Scott Valleys	1958
94-6	Klamath River	1958
94-7	Mad River - Redwood Creek	1958
94-8	Eel River	1958-59
94-9	Lost River - Butte Valley	1959
94-10	Mendocino Coast	1959
94-11	Russian River	1959
94-12	Sacramento Valley West	1959
94-13	Putah - Cache Creeks	1960
94-14	American River	1960
94-15	Sacramento Valley Floor	1961
94-16	Sacramento Valley Northeast	1962
94-17	Feather River	1962-63
94-18	Shasta Lake	1963

Bulletins Similar to the Bulletin 94 Series

Bulletin No.	County or Drainage Area Covered	Year of Survey
24-60	Coastal Los Angeles County	1960
70	Orange County	1964
71	Upper Santa Ana River Drainage	1964
101	Southeastern Desert Areas	1958
102	San Diego County	1963
103	San Luis Obispo and Santa Barbara Counties	1959
121	Southern Lahontan Area	1961
122	Ventura County and Upper Santa Clara River Drainage	1961

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State of California  
The Resources Agency  
DEPARTMENT OF WATER RESOURCES

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Engineer



## INTRODUCTION

This Volume II of Bulletin No. 94-12, "Land and Water Use in Sacramento Valley West Hydrographic Unit," comprises maps showing 1959 land use, surface water diversion systems, and classification of lands. These maps supplement the statistical data to be published in Volume I. This preliminary edition of Volume II is prepared in advance of Volume I in order to publish the data as early as possible, rather than wait until the determination and tabulation of the acreages are completed.

The collection and preparation of the data in Bulletin No. 94-12 were performed in compliance with Chapter 61, Statutes of 1956 as amended by Chapter 2025, Statutes of 1959, and codified in Section 232 of the Water Code of the State of California. This legislation provides for an inventory of water resources and water requirements of the State. This report is the twelfth of a series of bulletins on land and water use to be prepared under this authorization.

The data in Bulletin No. 94-12 will provide a basis for determination of the quantities of water that are required for potential future uses in the hydrographic unit. Subsequent studies will determine the extent to which local water supplies will meet the local requirements, and the amounts of water, if any, which may be available for export from the various watersheds of the unit. These future determinations will be based on projections of: (1) land use patterns, (2) economic patterns, (3) population, (4) industrial and agricultural development, and (5) recreational needs.

The data in this bulletin were obtained through field surveys of the unit made during the period 1958-1961. The surface water diversion systems were located and certain data collected in 1958. The water usage from them was then collected simultaneously with the land use survey in 1959. The classification

data reflect the potential for water using development based on existing topographic and soil characteristics. This survey was conducted in 1961. However, the urban development depicted is that noted in the land use survey of 1959.

Volume I will present these data in tabular form. The diversion data will include the location, ownership, source, water use, water rights, physical description, and a brief history, for each system within the unit which apparently diverts ten acre-feet or more per year. The land use data will include the acreages of various uses of land within each hydrographic subunit and county, as well as the acreages of various crops irrigated by the individual water systems. The land classification data in Volume I will comprise the acreages of various land classes by subunits and counties in the unit.

The data in this volume are reproductions of the notations originally made in the course of the field surveys on aerial photographs covering the unit. These notations are here superimposed on topographic maps of the area. Two sets of figures covering the unit are included. The first set shows the land use delineations and the diversion systems. The second set shows the land classification delineations.

The maps as presented in this volume differ from those in previous reports of the Bulletin No. 94 series in two respects. First, the presentation of the detailed delineations of land use and land classification is much more complete than the system used in previous reports of the series. In earlier reports, land parcels were identified only as to the major category of use or class. Irrigated lands, for example, were not distinguished as to the type of crop, as is done in this report.

Secondly, the one-page "figures" of this volume, replace the tip-in type "plates" included in previous reports of the series. Each of these

figures covers an area seven and one-half minutes in longitude by seven and one-half minutes in latitude. They are quarters of the "fifteen-minute" quadrangles published by the U. S. Geological Survey. The scale of the figures is approximately the same as that of the original "fifteen-minute" quadrangles.

The frontispiece, "Area of Investigation", shows the portion of the State covered by this bulletin and others of the series. The "Index to Figures and Subunits" on pages 14 and 15 shows the area covered by each figure, the names of the corresponding quadrangle maps, and the subunits into which the hydrographic unit has been divided.

The figures are numbered in a grid-type system beginning at the northern and western extremes of the State. Each figure is designated by two numbers, which indicate the tier and column in which it is located. For example, Figure "8-16" at the north end of the unit is in the eighth tier from the north and the sixteenth column from the west within this statewide numbering system. This hydrographic unit extends from tier 8 on the north to 23 on the south, and from column 12 on the west to 17 on the east, as shown on page 14.

Each figure showing land and water use for a given area is presented opposite a figure showing the land classification of that same area. The symbols used in the figures are explained in (1) a land use legend on page 4, (2) a water use legend on page 10, and (3) a land classification legend on page 11.

## STANDARD LAND USE LEGEND

### AGRICULTURAL CLASSES

#### G - GRAIN AND HAY CROPS

- |           |   |
|-----------|---|
| 1. Barley | 3. Oats                                     |
| 2. Wheat  | 6. Miscellaneous and mixed<br>hay and grain |

#### R - RICE

#### F - FIELD CROPS

- |                |                          |
|----------------|--------------------------|
| 1. Cotton      | 6. Corn (field or sweet) |
| 2. Safflower   | 7. Grain sorghums        |
| 3. Flax        | 9. Castor beans          |
| 4. Hops        | 11. Miscellaneous field  |
| 5. Sugar beets |                          |

#### P - PASTURE

- |                               |   |
|-------------------------------|---|
| 1. Alfalfa & alfalfa mixtures | 5. Induced high water table<br>native pasture |
| 2. Clover                     | 6. Sudan                                      |
| 3. Mixed pasture              |   |
| 4. Native pasture             |   |

#### T - TRUCK AND BERRY CROPS

- |   |                                 |
|---|---------------------------------|
| 1. Artichokes                                   | 11. Peas                        |
| 2. Asparagus                                    | 12. Potatoes                    |
| 3. Beans (green or dry)                         | 13. Sweet Potatoes              |
| 4. Cole crops                                   | 14. Spinach                     |
| 6. Carrots                                      | 15. Tomatoes                    |
| 7. Celery                                       | 16. Flowers and nursery         |
| 8. Lettuce (all types)                          | 18. Miscellaneous truck         |
| 9. Melons, squash, and<br>cucumbers (all types) | 19. Bushberries                 |
| 10. Onions and garlic                           | 20. Strawberries                |
|   | 21. Peppers (chili, bell, etc.) |

#### D - DECIDUOUS FRUITS AND NUTS

- |                           |                             |
|---------------------------|-----------------------------|
| 1. Apples                 | 8. Prunes                   |
| 2. Apricots               | 9. Figs                     |
| 3. Cherries               | 10. Miscellaneous deciduous |
| 5. Peaches and Nectarines | 12. Almonds                 |
| 6. Pears                  | 13. Walnuts                 |
| 7. Plums                  |                             |

#### C - SUBTROPICAL FRUITS

- |               |  |
|---------------|--|
| 1. Grapefruit | 5. Avocados                            |
| 2. Lemons     | 6. Olives                              |
| 3. Oranges    | 7. Miscellaneous subtropical<br>fruits |
| 4. Dates      |  |

V - VINEYARDS

- |                 |                  |
|-----------------|------------------|
| 1. Table grapes | 3. Raisin grapes |
| 2. Wine grapes  |                  |

S - SEMIAGRICULTURAL AND INCIDENTAL TO AGRICULTURE

- |   |               |
|---|---------------|
| 1. Farmsteads                           | 3. Dairies    |
| 2. Feed lots (livestock<br>and poultry) | 4. Lawn areas |
|   | 5. Cemeteries |

I - IDLE

1. Land cropped within the past three years but not tilled at the time of survey.
2. New lands being prepared for crop production.

UNCLASSIFIED

E - ENTRY DENIED

NATIVE CLASSES

NV - NATIVE VEGETATION

- |                 |                     |
|-----------------|---------------------|
| 1. Grass land   | 4. Heavy brush      |
| 2. Light brush  | 5. Brush and timber |
| 3. Medium brush | 6. Forest           |

NR - RIPARIAN VEGETATION

- |                       |          |
|-----------------------|----------|
| 1. Swamps and marshes | 3. Brush |
| 2. Meadowland         | 4. Trees |

NW - WATER SURFACE

Lakes, reservoirs, and rivers

NB - BARREN AND WASTELAND

- |                        |               |
|------------------------|---------------|
| 1. Dry stream channels | 4. Salt flats |
| 2. Mine tailing        | 5. Sand dunes |
| 3. Barren land         |               |

NC - NATIVE CLASSES UNSEGREGATED

URBAN CLASSES

U - URBAN - residential, commercial, and industrial

(May be used alone when further breakdown is not required)

UR - RESIDENTIAL - one and two family units, including trailer courts.

## UC - COMMERCIAL

1. Miscellaneous establishments  
(offices and retailers)
2. Hotels
3. Motels
4. Apartments, Barracks  
(3-family units and larger)
5. Institutions  
(hospitals, prisons, reformatories,  
asylums, etc., having a reasonably  
stable 24-hour resident population)
6. Schools  
(yards to be mapped separately if  
large enough)
7. Municipal auditoriums, theaters, churches, buildings  
and stands associated with race tracks, football  
stadiums, baseball parks, rodeo arenas, etc.
8. Miscellaneous high water use  
(specify use. To be used to indicate a high  
water use condition not covered by the above  
categories.)

## UI - INDUSTRIAL

1. Manufacturing, assembling, and general processing.
2. Extractive industries  
(oil fields, rock quarries, gravel pits,  
public dumps, rock and gravel  
processing plants, etc.)
3. Storage and distribution  
(warehouses, substations, railroad  
marshalling yards, tank farms, etc.)
6. Saw mills
7. Oil refineries
8. Paper mills
9. Meat packing plants
10. Steel and aluminum mills
11. Fruit and vegetable canneries and general  
food processing
12. Miscellaneous high water use  
(specify use. To be used to indicate a  
high water use condition not covered by  
the above categories.)

## UV - VACANT

1. Miscellaneous unpaved areas  
(vacant lots, graveled surfaces, playing  
fields, nonirrigated freeway strips, raw  
lands within metropolitan areas, etc.)
4. Miscellaneous paved areas  
(parking lots, runways, freeways, oiled  
surfaces, flood control channels, tennis  
court areas, auto sales lots, etc.)

## RECREATION CLASSES

### RR - RESIDENTIAL

Permanent and summer home tracts within a primarily recreational area. The estimated number of houses per acre is indicated by a number in the symbol.

Example: RR-3 (3 homes per acre)

### RC - COMMERCIAL

Commercial areas within a primarily recreational area. (Includes motels, resorts, hotels, stores, etc.)

### RT - CAMP AND TRAILER SITES

Camp and trailer sites within a primarily recreation area.

## ADDITIONAL SYMBOLS

### i - IRRIGATION

Denotes an irrigated crop and precedes class symbol.

Example: iG1 - irrigated barley.

Note: Refer to Fallow, Idle, and Abandoned for special uses of "i".

### n - DRY FARM

Indicates a dry farmed crop and precedes class symbol.

Example: nG1 - dry farmed barley.

### S - SEED CROP

Indicates any crop grown for seed and is used following crop symbol.

Example: iPl-S, irrigated alfalfa seed crop.

### Y - YOUNG NON-BEARING ORCHARDS AND VINEYARDS

Follows crop symbol.

Example: iC3-Y, young non-bearing irrigated oranges.

### A - ABANDONED ORCHARDS AND VINEYARDS

Trees or vines must be in such a condition that renewal of cultural practices would restore economic production.

Indicated by "A" following crop symbol.

Example: iDl-A, indicates an apple orchard previously irrigated but now abandoned.

## F - FALLOW LANDS

Must be tilled at time of survey.

- (1) If no crop residue is apparent or identifiable then the "F" symbol will follow the agricultural class symbol for the crop most representative of those grown in the area.  
Example: iTF - Fallow truck crop land (with facilities for irrigation).
- (2) If the crop residue is apparent and identifiable but is not from the current crop season covered by the survey then the field is considered fallow and mapped as the class of the crop residue.  
Example: Surveyor found an old sugar beet residue not from current season. Land would be mapped - iFF.
- (3) However, if the crop residue is identifiable as that of a crop which was grown during the survey period, then map the field as though crop existed.  
Example: iT6 - Carrot residue from current growing season.

## Z - RECLAMATION

Lands being leached for the removal of harmful salts. This symbol will be used following either the "Idle" symbol or symbols of crops grown as a step in the reclamation process.

Examples: iI2-Z, iR-Z.

## M - MILITARY AREAS

Indicates lands owned or controlled by the military and is used following the land use symbol.

Example: iF1-M, irrigated cotton within a military area.

## B - BURNED OVER AREAS (not mapped unless specified)

Indicated by "B". The type and density of natural cover destroyed by fire is obtained by examination of aerial photo.

Example: NV2-B

## P - PARKS

Indicates all types of parks, both public and private and is used following the land use symbol.

Example: iS4-P, irrigated lawn area within a park.

## X - PARTIALLY IRRIGATED CROPS

Crops irrigated for only part of their normal irrigation season.

Example: iP3-X, partially irrigated mixed pasture.

a,b,c,d - GROWING SEASON

Indicated by appropriate symbol following crop symbol:

"a" - Spring; "b" - Summer; "c" - Fall; "d" - Winter

Examples: iT12-d Winter potatoes; iT12-a Spring potatoes.

fraction - INTERCROPPING

Indicated by a fractional symbol. The crop symbol appearing first in order in the preceding legend will be mapped in the numerator.

Exception: When orchard or vineyard is intercropped with some other crop class, the orchard or vineyard symbol will appear in the numerator.

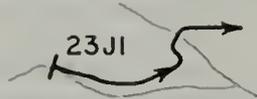
Examples:  $\frac{iD5}{G1}$  Peaches intercropped with barley       $\frac{iD5}{DI3}$  Walnuts intercropped with peaches

Percentages - MIXED LAND USE

Indicated by percentages following land use symbols. No more than 3 symbols are to be used in describing the area.

Examples: iD5 - 40  
NV - 20  
UC32 - 40

## WATER USE LEGEND



GRAVITY DIVERSION



PUMP DIVERSION



DIVERSION CANAL OR DITCH

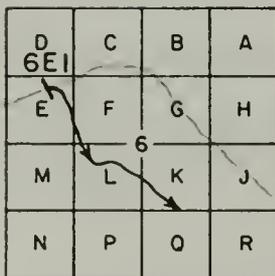


DIVERSION PIPELINE



NATURAL CHANNEL USED AS CONDUIT

## DIVERSION NUMBERING SYSTEM



Diversions are numbered by township,  
range, section, and sixteen-section as:  
D-32N/7W-6D1

## LAND CLASSIFICATION STANDARDS

---

Symbol

Characteristics

---

### Irrigable Lands

- V These lands are level or slightly sloping and vary from smooth to hummocky or gently undulating relief. The maximum allowable slope is 6 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils have medium to deep effective root zones, are permeable throughout, and free of salinity, alkalinity, rock, or other conditions limiting crop adaptability of the land. These lands are suitable for all climatically adapted crops.
- H These are lands with greater slope and/or relief than those of the V class. They vary from smooth to moderately rolling or undulating relief. The maximum allowable slope is 20 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils are permeable, with medium to deep effective root zones, and are suitable for the production of all climatically adapted crops. The only limitation is that imposed by topographic conditions.
- M These are lands with greater slope and/or relief than those of the H class. They vary from smooth to steeply rolling or undulating relief. The maximum allowable slope is 30 percent for smooth, reasonably large-sized bodies lying in the same plane. As the relief increases and becomes more complex, lesser slopes are limiting. The soils are permeable, with medium to deep effective root zones, and are suitable for the production of all climatically adapted crops. The only limitation is that imposed by topographic conditions.

The foregoing may be modified, as conditions warrant, by use of one or more of the following symbols.

- W Indicates the presence of a high-water table, which in effect limits the present crop adaptability of these lands to pasture crops. Drainage and a change in irrigation practice would be required to affect the crop adaptability.
- S Indicates the presence of an excess of soluble salts or exchangeable sodium in slight amounts, which limits the present adaptability of these lands to crops tolerant to such conditions. The presence of salts within the soil generally indicates poor drainage and a medium to high-water table. Reclamation of these lands will involve drainage and the application of small amounts of amendments and some additional water over and above crop requirements in order to leach out the harmful salts.

Symbol	Characteristics
SS	Indicates the presence of an excess of soluble salts or exchangeable sodium in sufficient quantity to require the application of moderate amounts of amendments and some additional water over and above crop requirements in order to effect reclamation.
SA	Indicates the presence of an excess of soluble salts or exchangeable sodium in sufficient quantity to require the application of large amounts of amendments and some additional water over and above crop requirements in order to effect reclamation.
H	Indicates very fine textures, which in general make these lands best suited for the production of shallow-rooted crops.
L	Indicates fairly coarse textures and low moisture-holding capacities, which in general make these lands unsuited for the production of shallow-rooted crops because of the frequency of irrigations required to supply the water needs of such crops.
P	Indicates shallow depth of the effective root zone, which in general limits use of these lands to shallow-rooted crops.
R	Indicates the presence of rock on the surface or within the plow zone in sufficient quantity to prevent use of the land for cultivated crops.
-(L)	Indicates ground cover varying from a light to moderately dense growth of low brush through a low density growth of medium height trees.
-(M)	Indicates ground cover varying from a high density growth of low brush through a moderately dense growth of medium height to tall trees.
-(H)	Indicates ground cover varying from a high density growth of medium height trees through a very dense growth of large trees.
-2, -4, -6, or -8	Number indicates in feet the average difference between highs and lows due to microrelief.
-B	Indicates low-lying basin and seep areas.

#### Urban and Recreational Lands

- UD The total area of cities, towns, and small communities presently used for residential, commercial, recreational and industrial purposes.
- SR Existing and potential suburban residential areas which have a low population density. These lands are further subdivided into either a high or low water using category. This is indicated by a number in the symbol, i.e., SR-1 includes those lands where it is expected the entire area will be utilized for lawns, gardens, small orchards, etc., and has a high water use. SR-2 indicates lands where a large percentage

---

**Symbol****Characteristics**

---

of the area is expected to be non-water using, hence an area of low water use. All the SR lands are also classed according to the four major topographic classes used for the classification of irrigable lands, i.e., V, H, M, and N.

- RR Existing and potential permanent and summer home tracts within a primarily recreational area. The estimated number of houses, under conditions of full development, is indicated by a number in the symbol, i.e., RR-3 is suitable for three houses per acre.
- RC Existing and potential commercial areas which occur within a primarily recreational area and which include motels, resorts, hotels, stores, etc.
- RT Existing and potential camp and trailer sites within a primarily recreational area.
- PP Existing racetracks, fairgrounds, and private, city, county, state, and federal parks.
- 

Miscellaneous Lands

- F Presently forested lands, or lands subject to forest management, which meet the requirements for irrigable land but which, because of climatic conditions and physiographic position, are better suited for timber production or some type of forest management program rather than for irrigated agriculture.
- VA Smooth lying valley lands which are affected by such heavy concentrations of salts that further detailed studies would be required to determine the feasibility of reclaiming these lands for irrigated agriculture.
- VM Swamp and marsh lands which usually support a heavy growth of phreatophytes and are covered by water most of the time.
- N Includes all lands which fail to meet the requirements of the above classes.

STATE OF CALIFORNIA  
 THE RESOURCES AGENCY  
 DEPARTMENT OF WATER RESOURCES  
 NORTHERN BRANCH  
 LAND AND WATER USE  
 SACRAMENTO VALLEY WEST HYDROGRAPHIC UNIT  
 INDEX TO FIGURES AND SUBUNITS

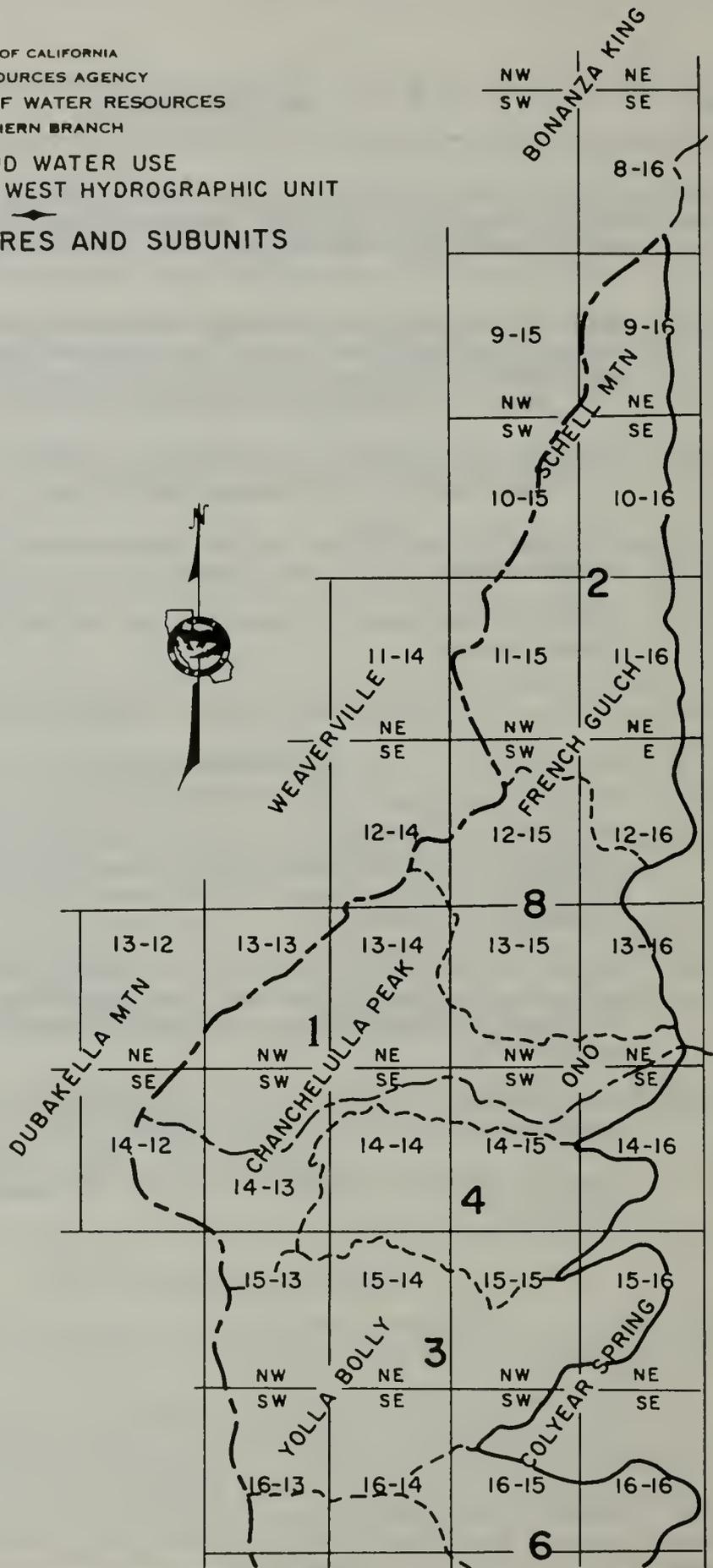
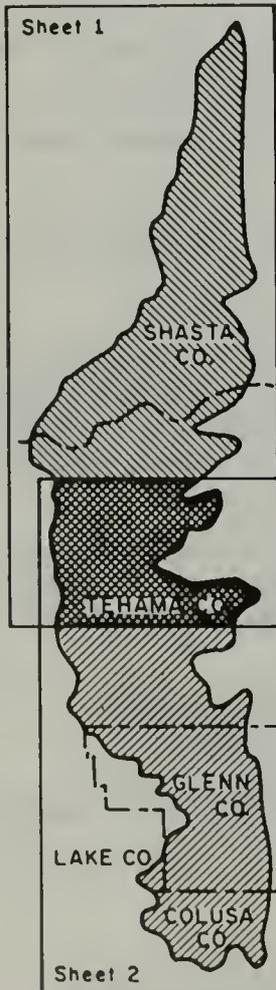
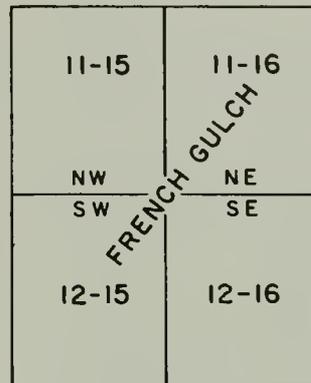


FIGURE NUMBERING SYSTEM

15' USGS quadrangles have been subdivided into four 7-1/2' quadrangles. Figure numbers refer to the 7-1/2' quarters.

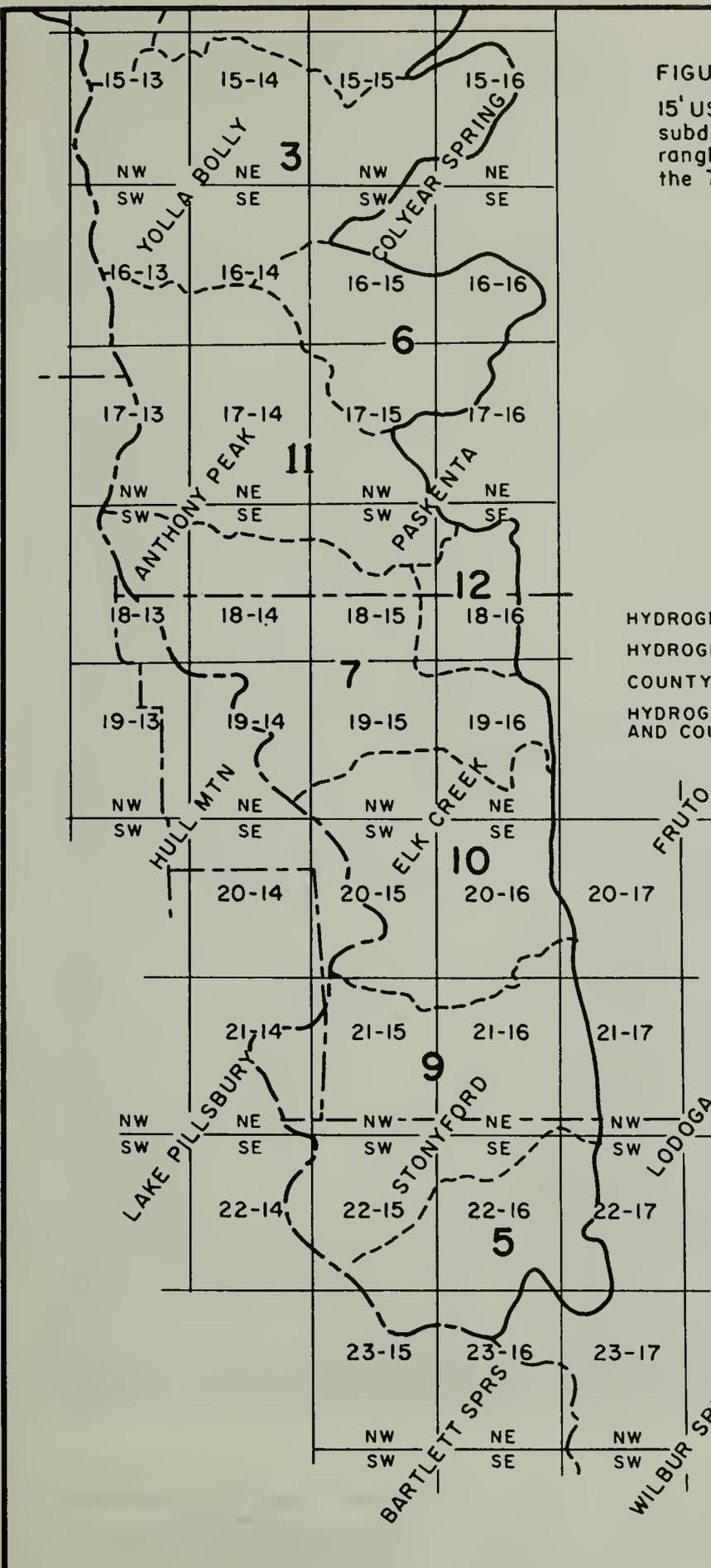


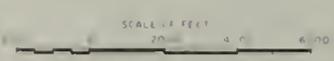
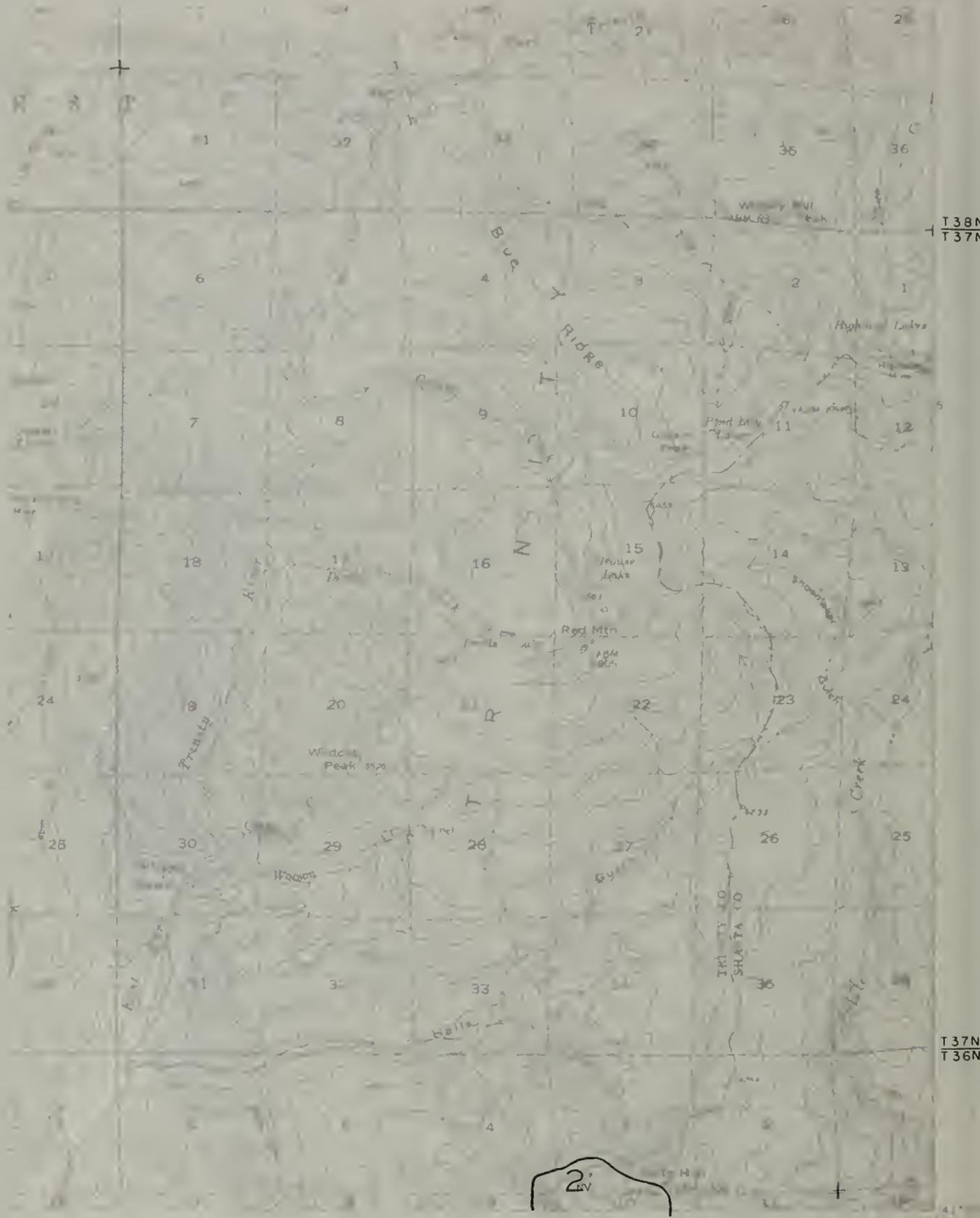
BOUNDARY LINES

- HYDROGRAPHIC UNIT
- HYDROGRAPHIC SUBUNIT
- COUNTY
- HYDROGRAPHIC UNIT AND COUNTY

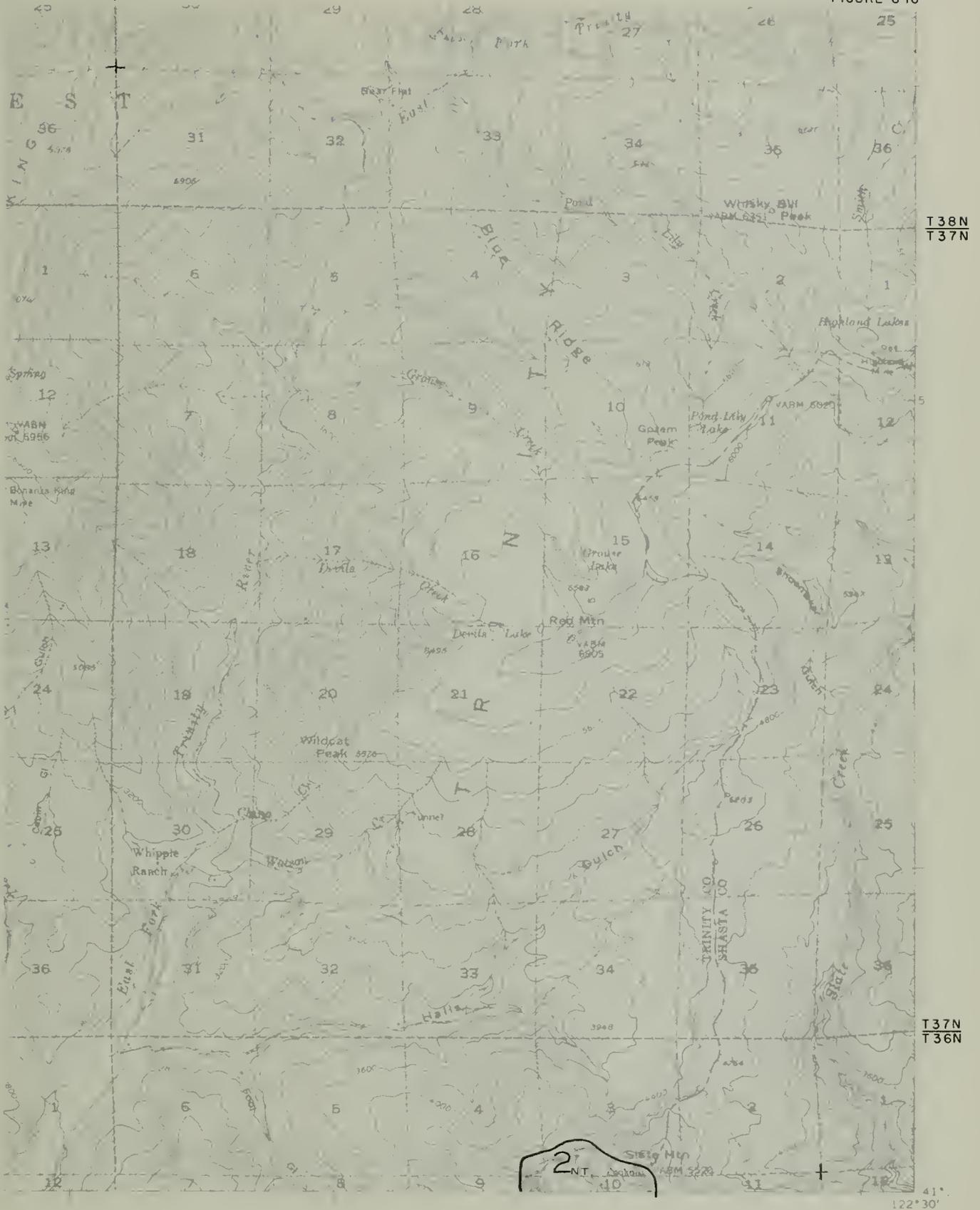
SUBUNITS

NAME	NO
Beegum - Cottonwood	1
Clear Creek	2
Cold Fork	3
Dry Creek	4
East Park	5
Elder Creek	6
Grindstone Creek	7
Ono	8
Stonyford	9
Stony Gorge	10
Thames Creek	11
Newville	12



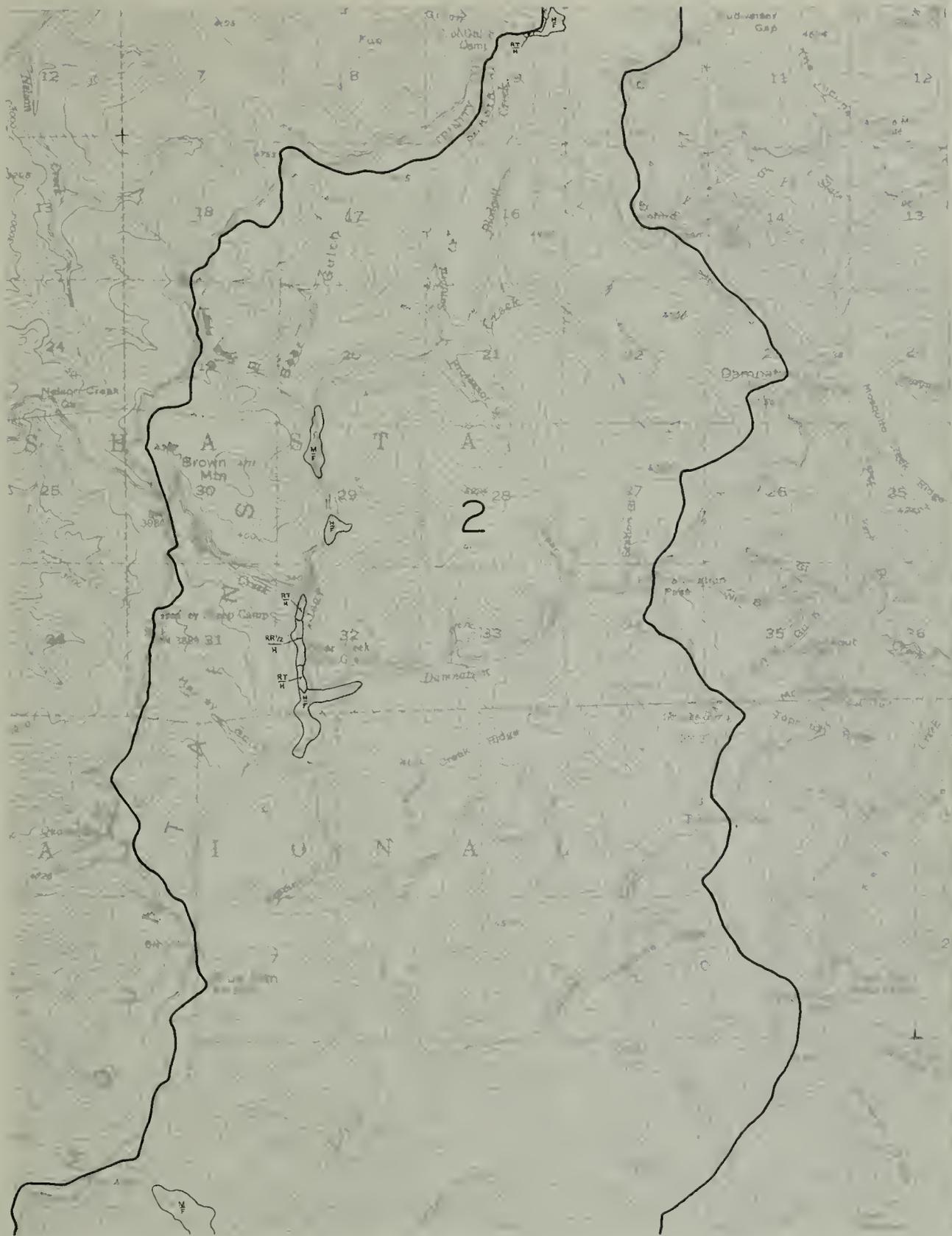


SE 1/4 BONANZA KING QUADRANGLE  
 LAND AND WATER USE  
 1959



SE 1/4 BONANZA KING QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961





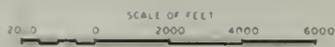
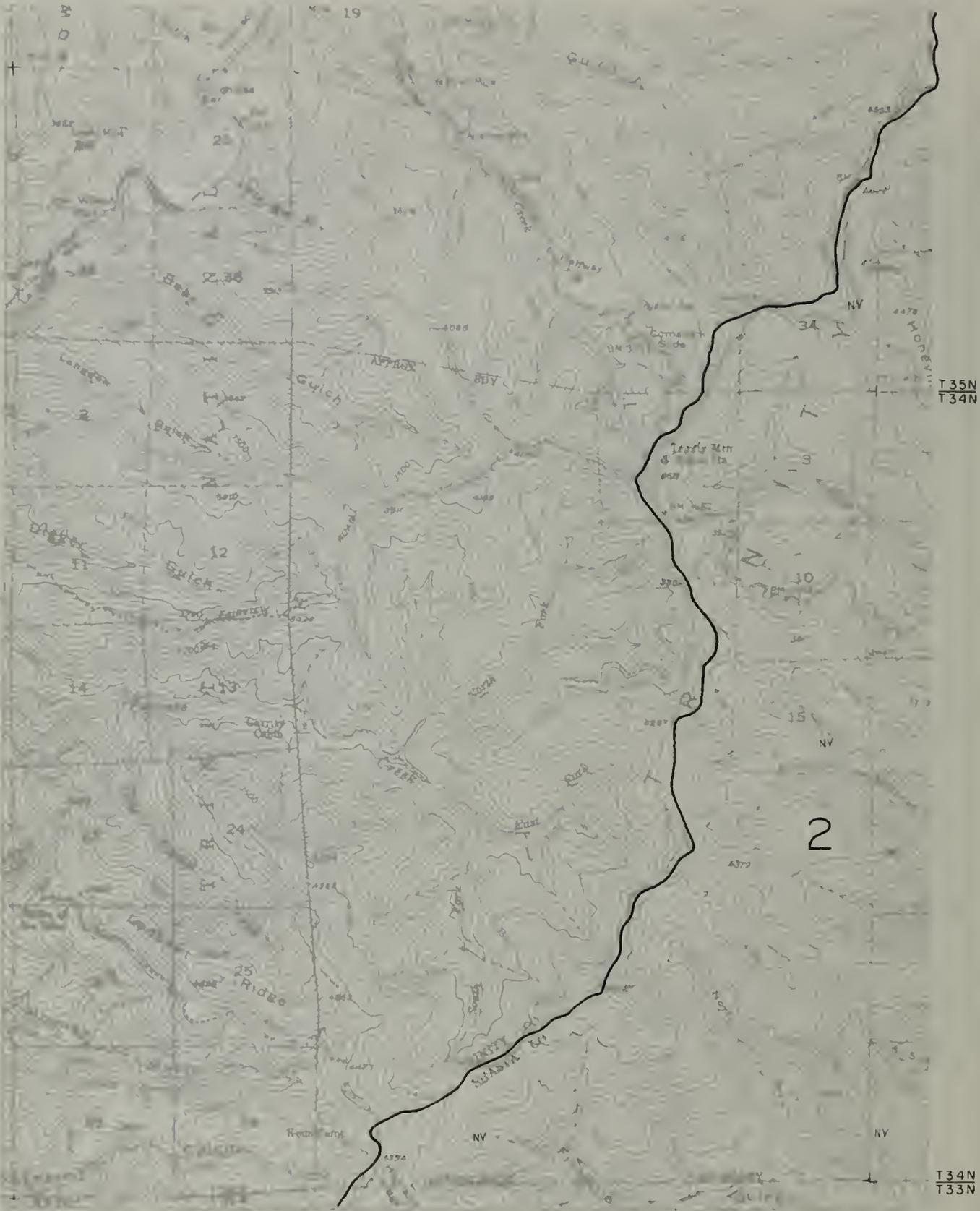
T36N  
T35N

NE 1/4 SCHELL MOUNTAIN QUADRANGLE

CLASSIFICATION OF LANDS

1961

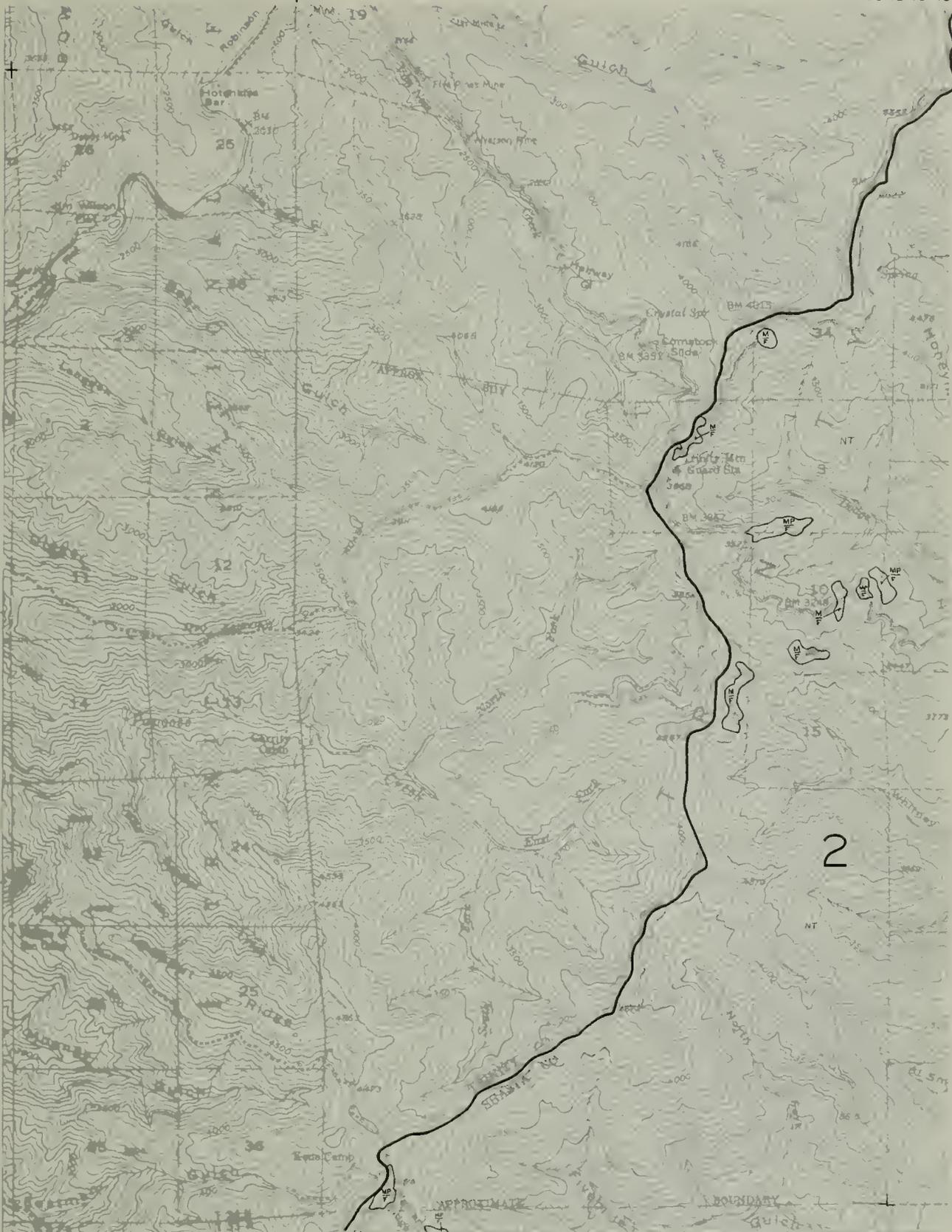
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SW 1/4 SCHELL MOUNTAIN QUADRANGLE

LAND AND WATER USE

1959



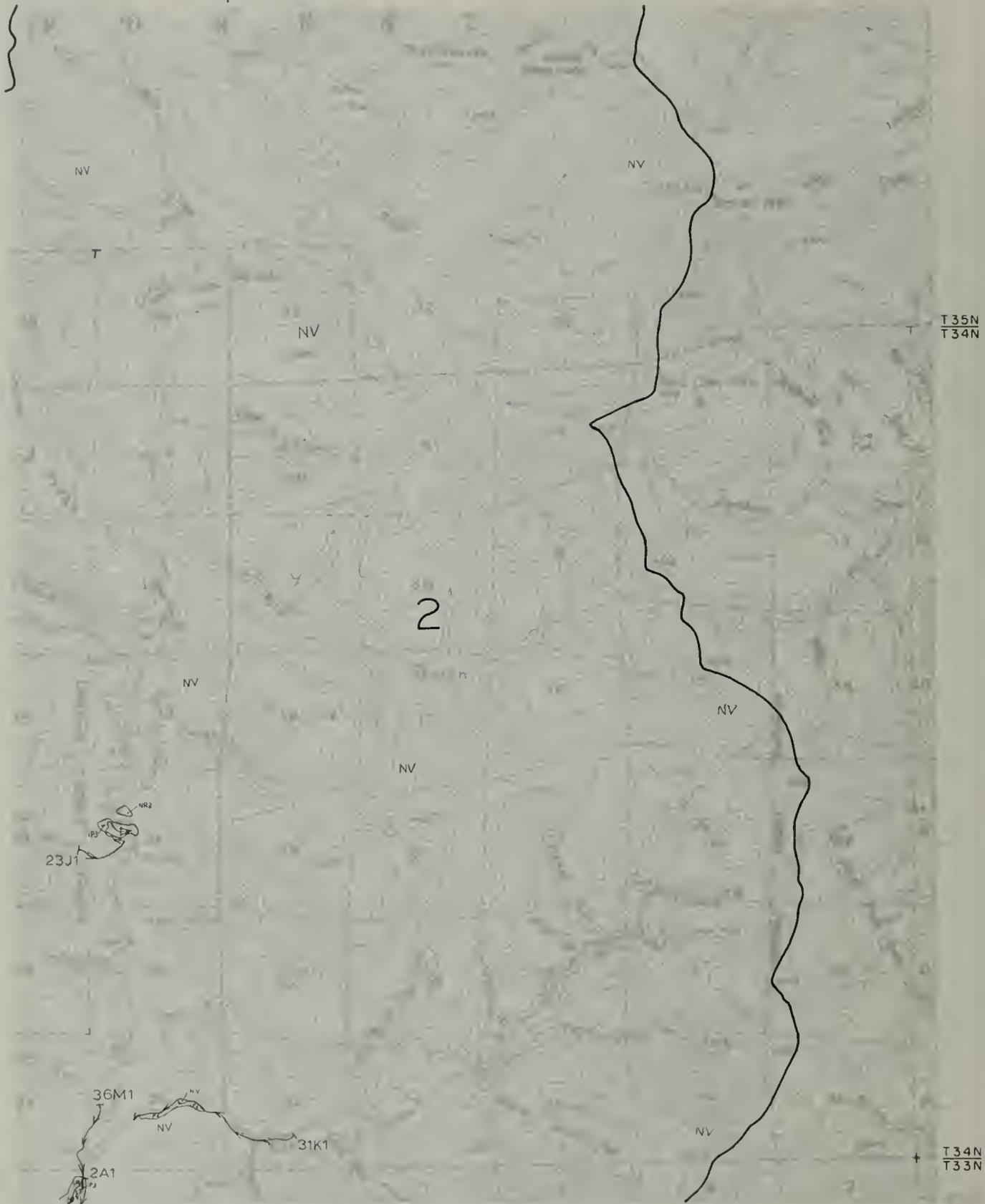
40°45'  
122°45'



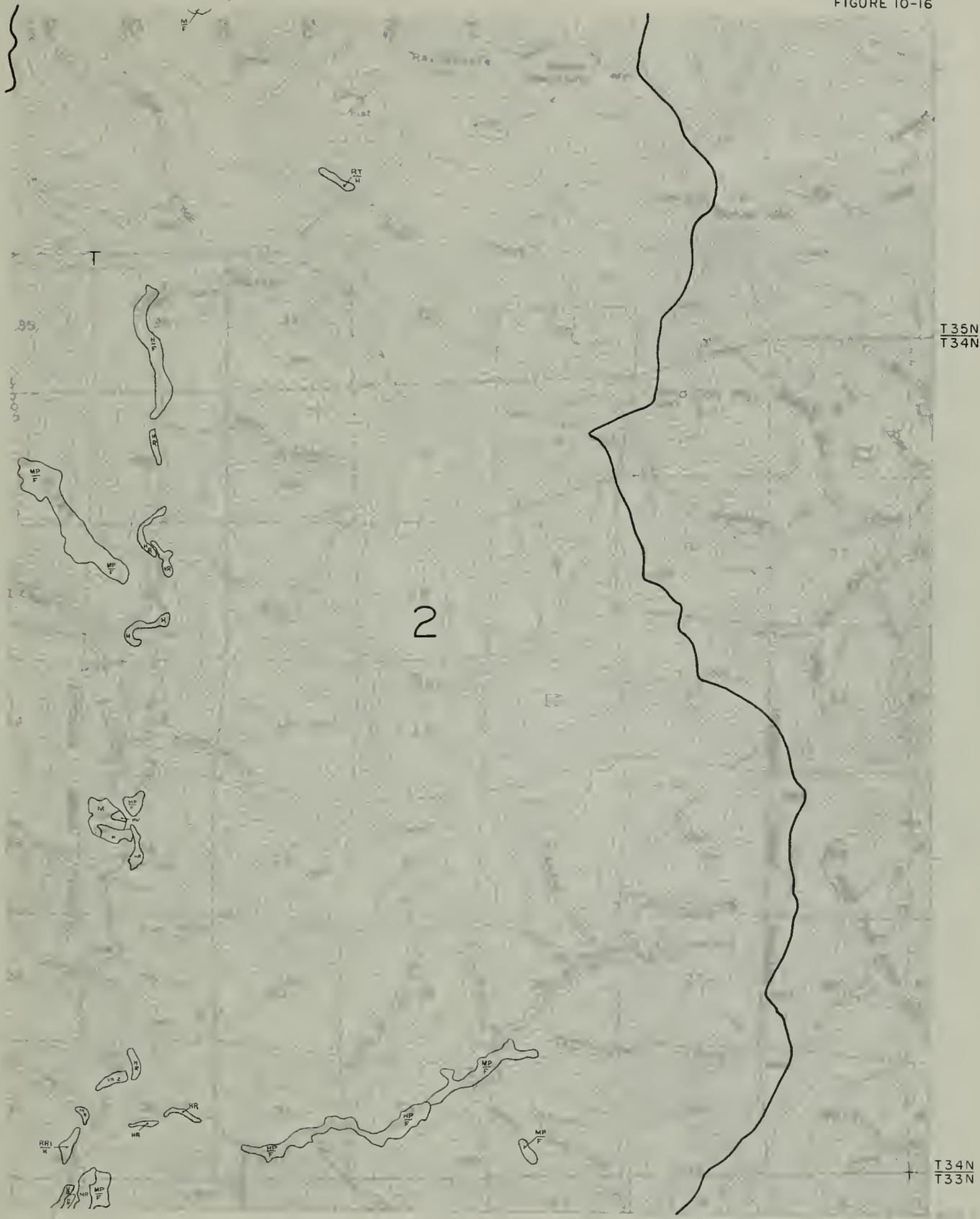
SW 1/4 SCHELL MOUNTAIN QUADRANGLE

CLASSIFICATION OF LANDS

1961

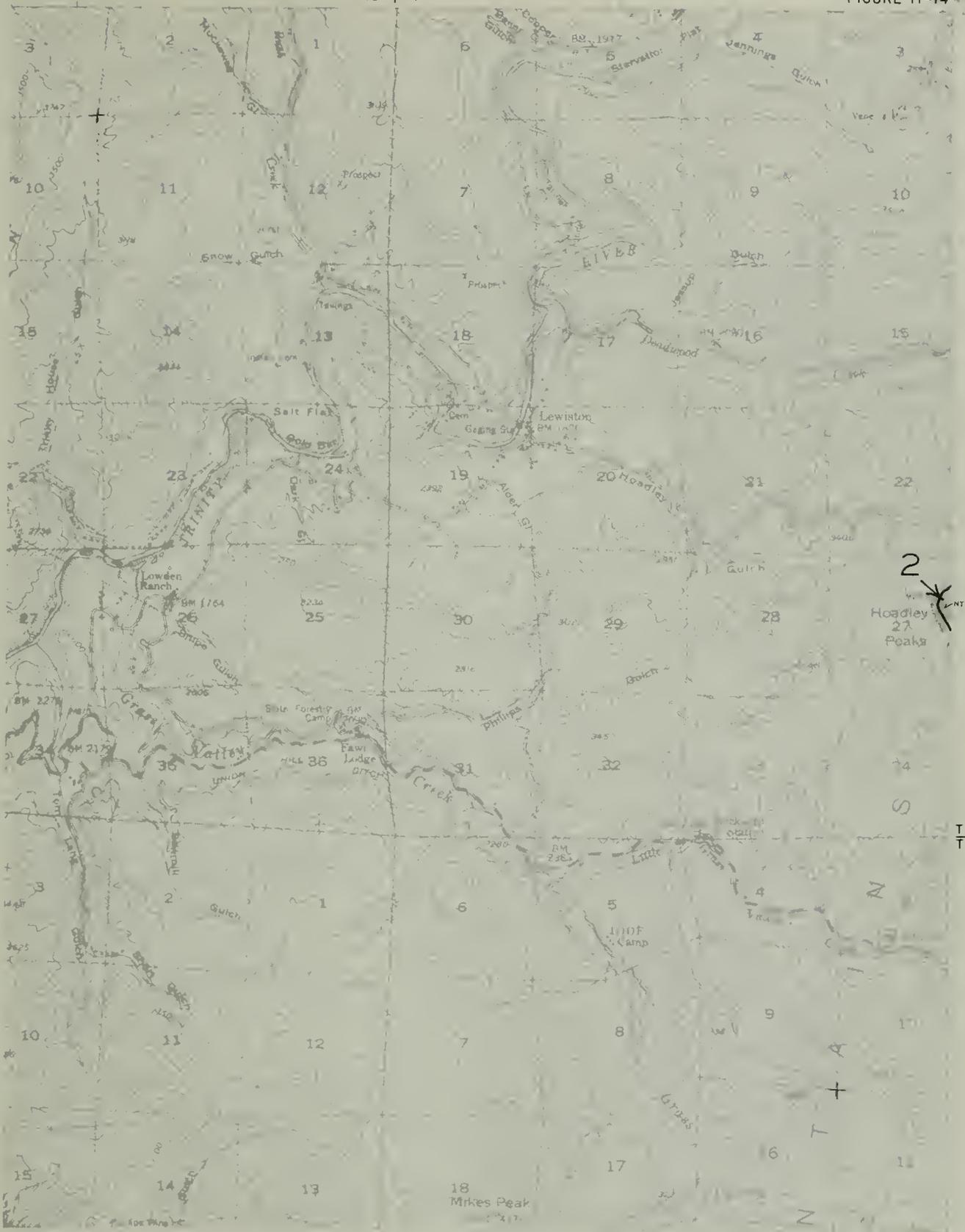


SE 1/4 SCHELL MOUNTAIN QUADRANGLE  
LAND AND WATER USE  
1959

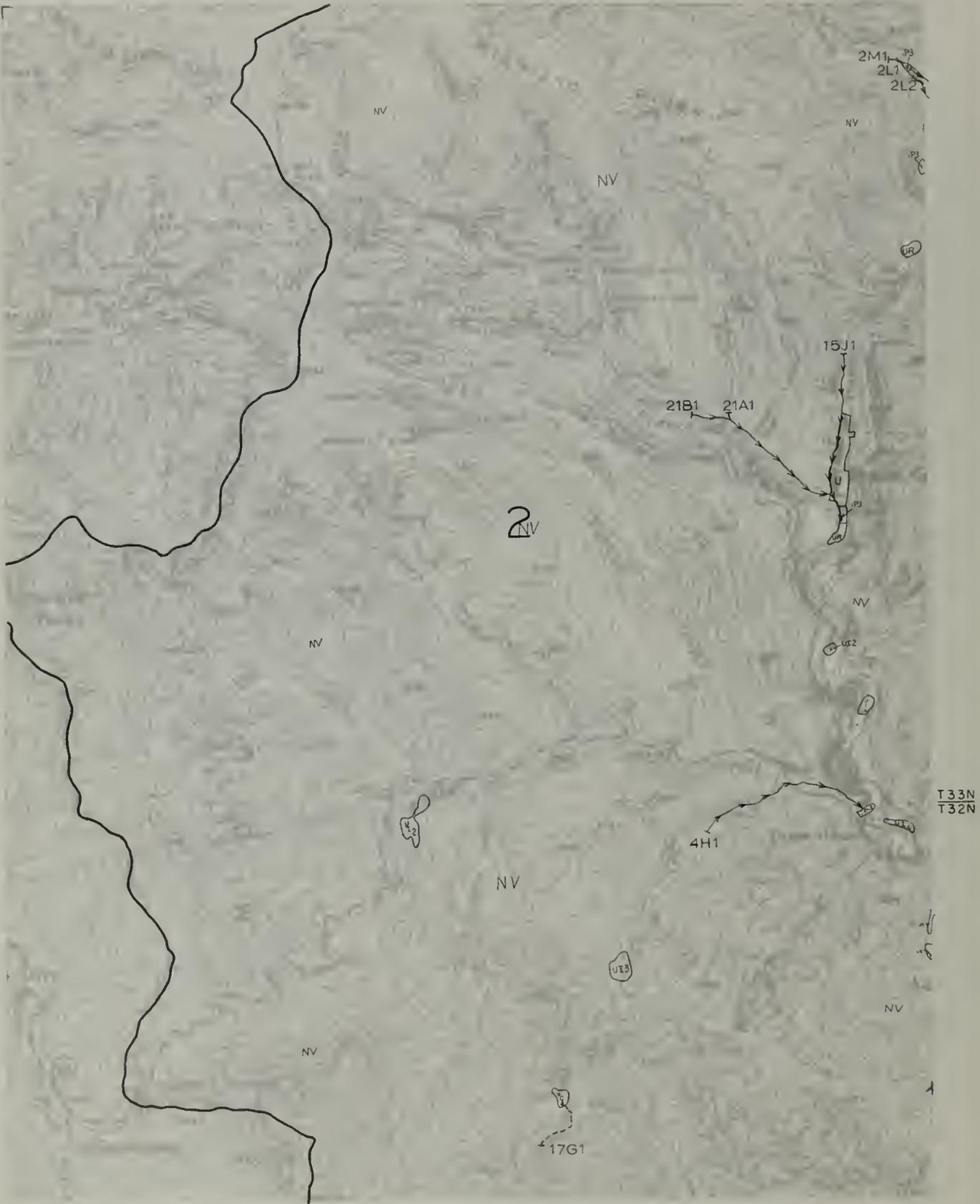


SE 1/4 SCHELL MOUNTAIN QUADRANGLE  
CLASSIFICATION OF LANDS  
1961



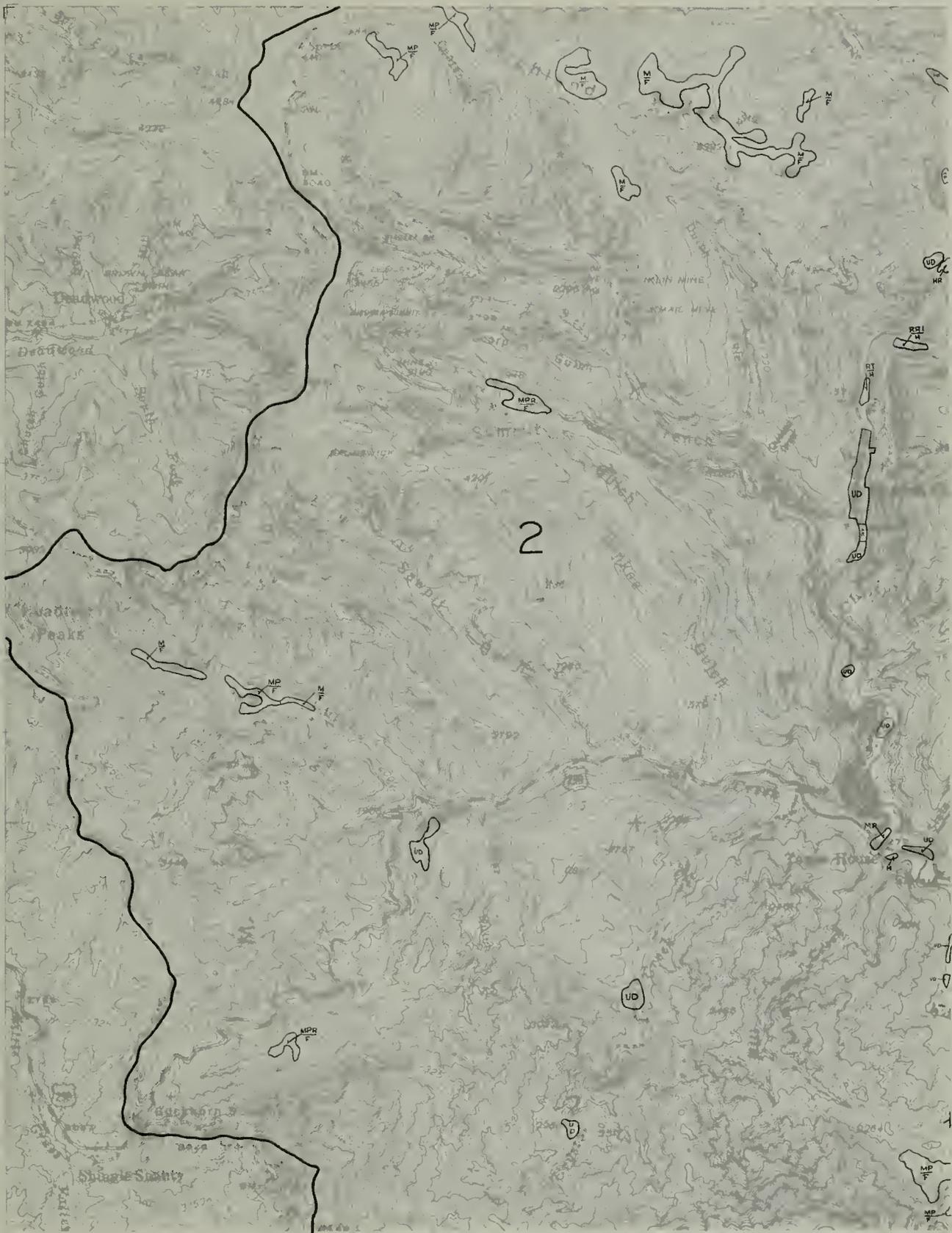


NE 1/4 WEAVERVILLE QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



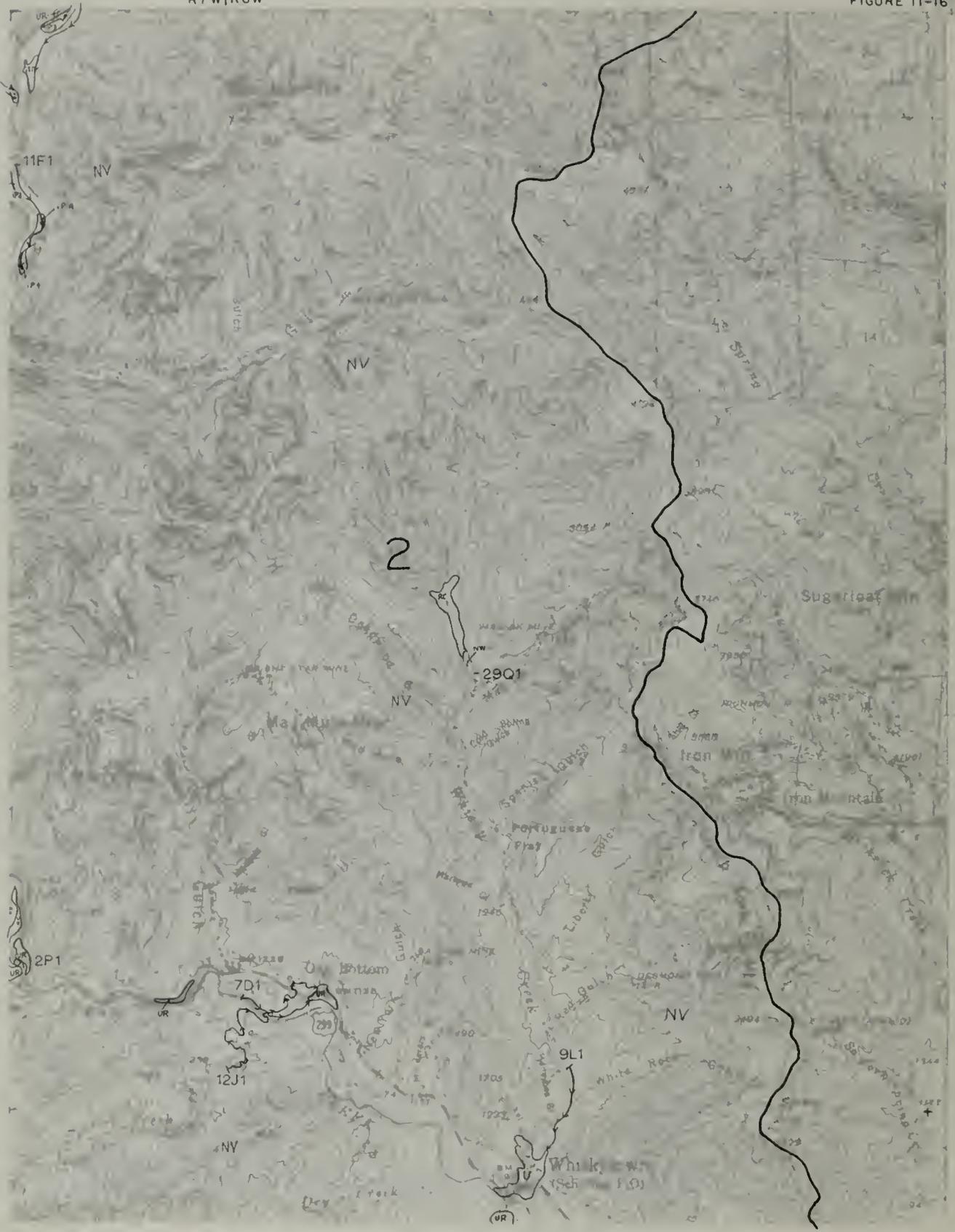
SCALE OF FEET  
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NW 1/4 FRENCH GULCH QUADRANGLE  
 LAND AND WATER USE  
 1959



SCALE OF FEET  
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NW 1/4 FRENCH GULCH QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



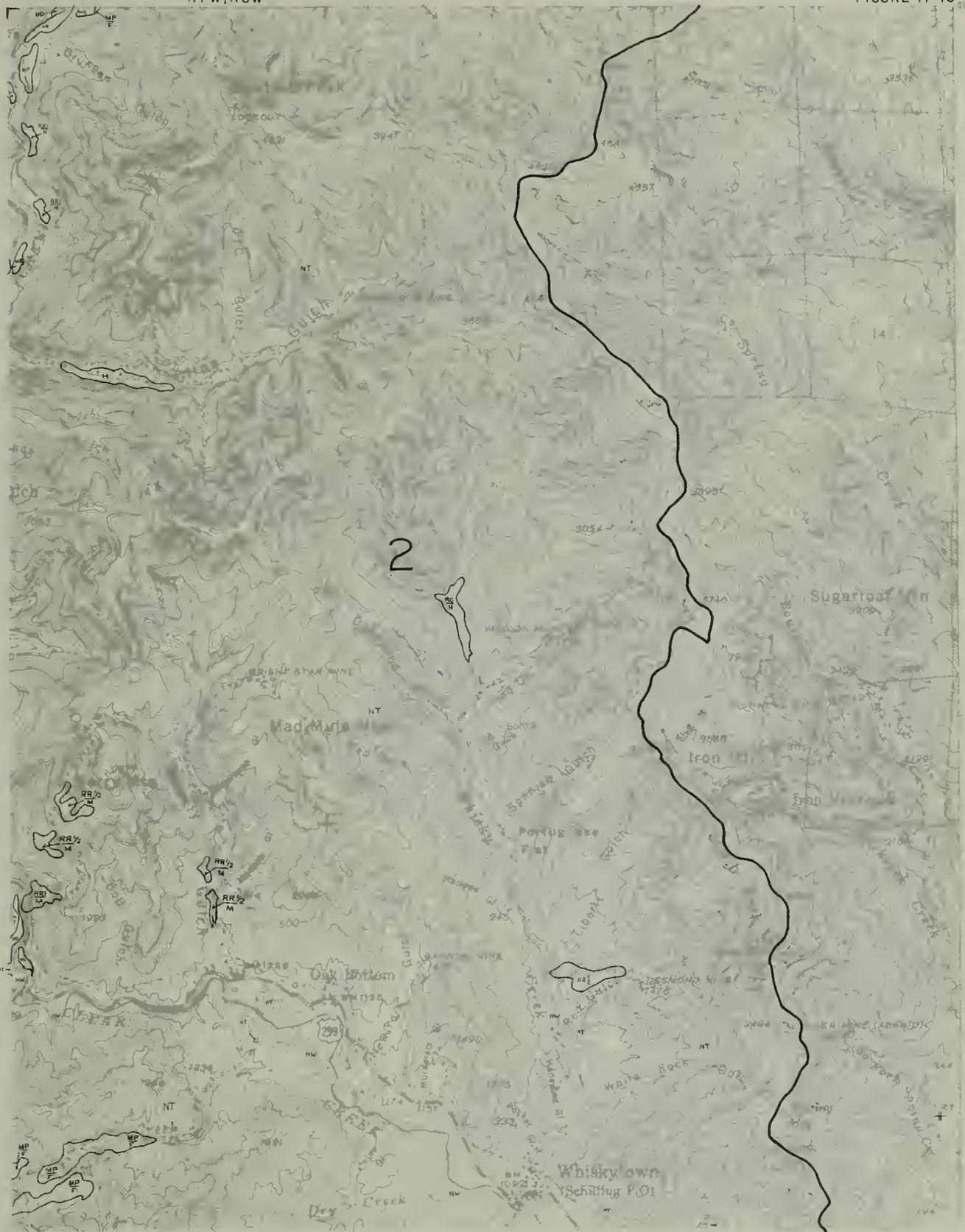
T33N  
T32N



NE 1/4 FRENCH GULCH QUADRANGLE

LAND AND WATER USE

1959



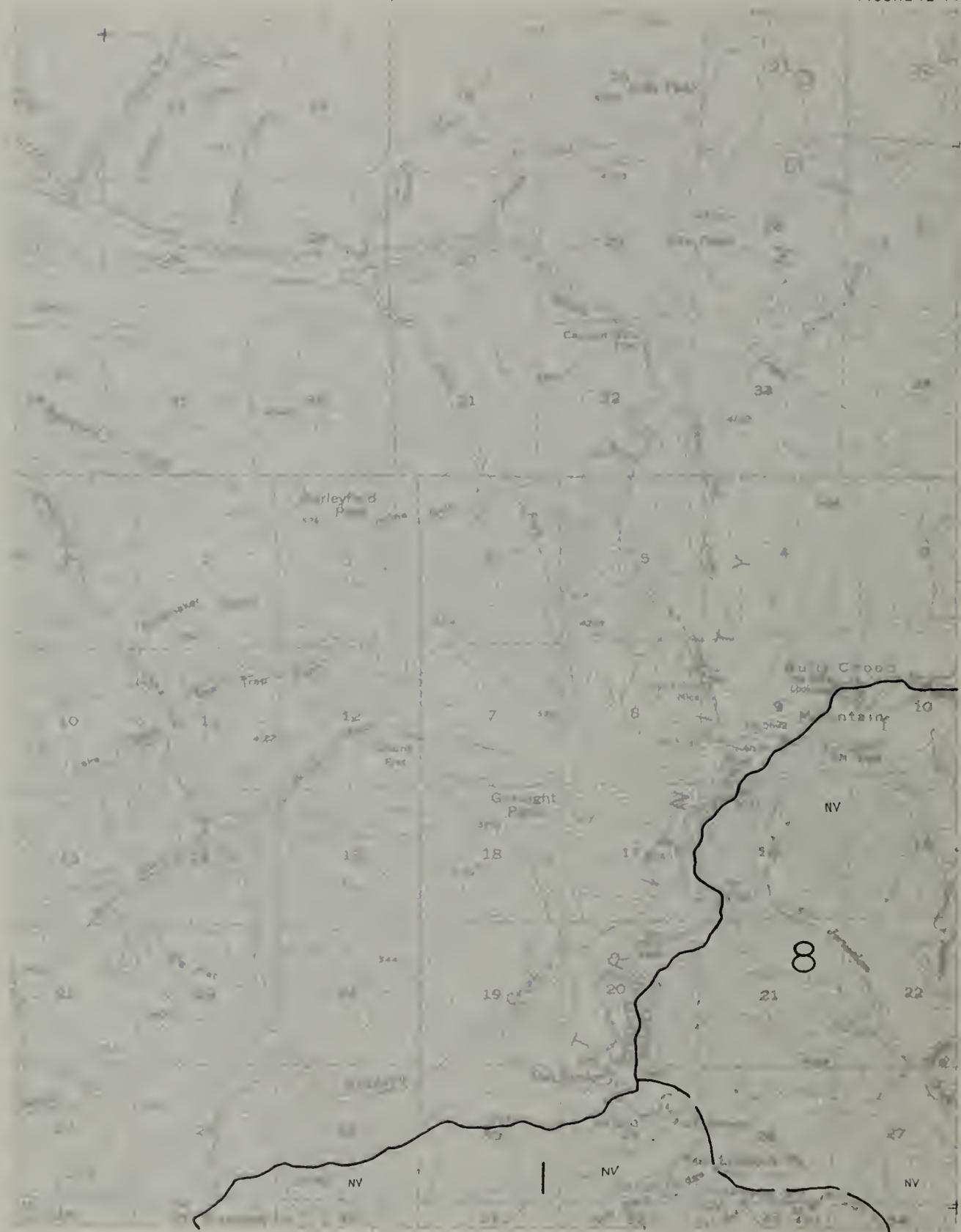
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T32N



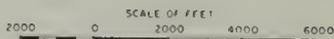
NE 1/4 FRENCH GULCH QUADRANGLE

CLASSIFICATION OF LANDS

1961



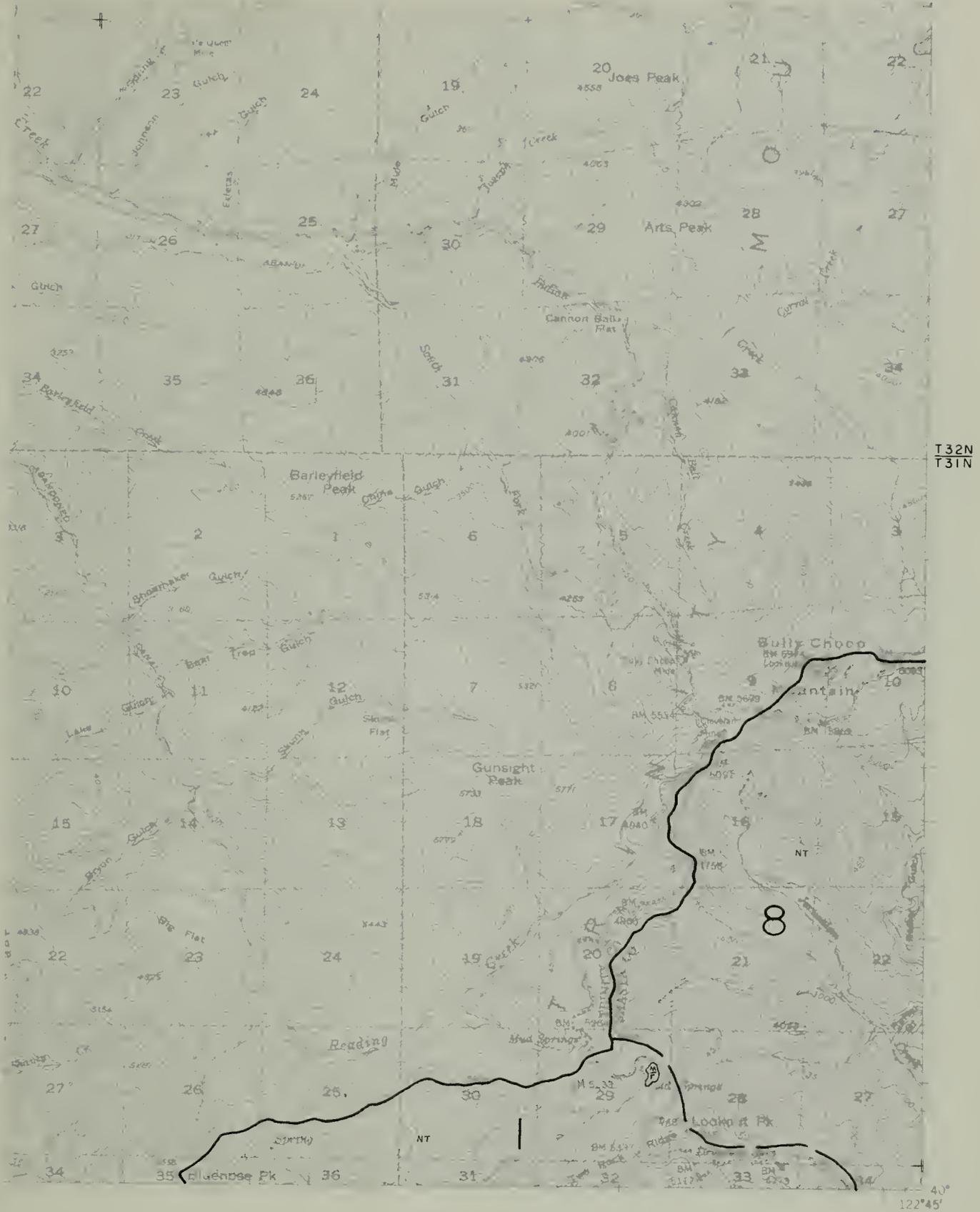
T32N  
T31N



SE 1/4 WEAVERVILLE QUADRANGLE

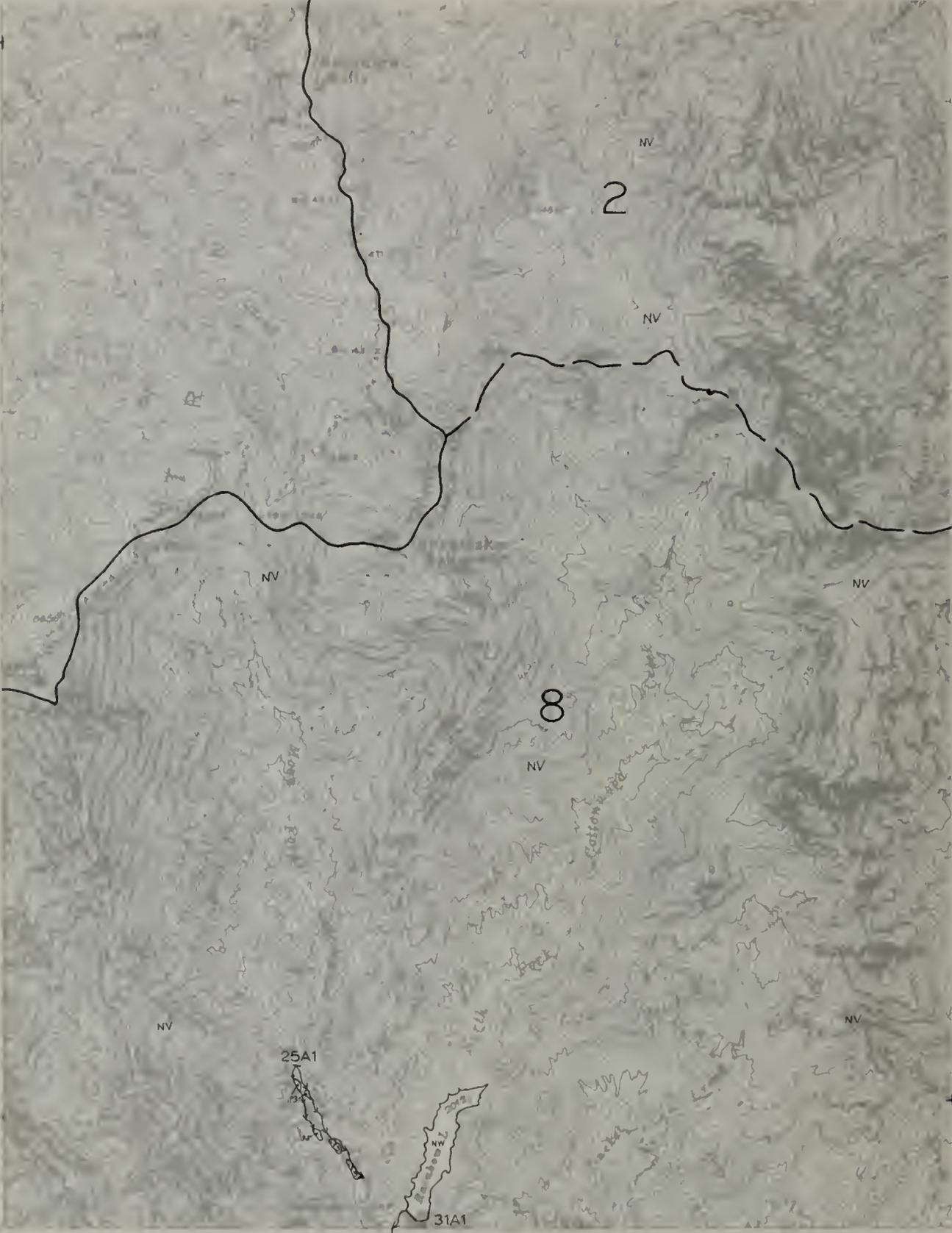
LAND AND WATER USE

1959



SE 1/4 WEAVERVILLE QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961

R8W|R7W



SW 1/4 FRENCH GULCH QUADRANGLE

LAND AND WATER USE

1959



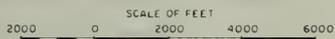
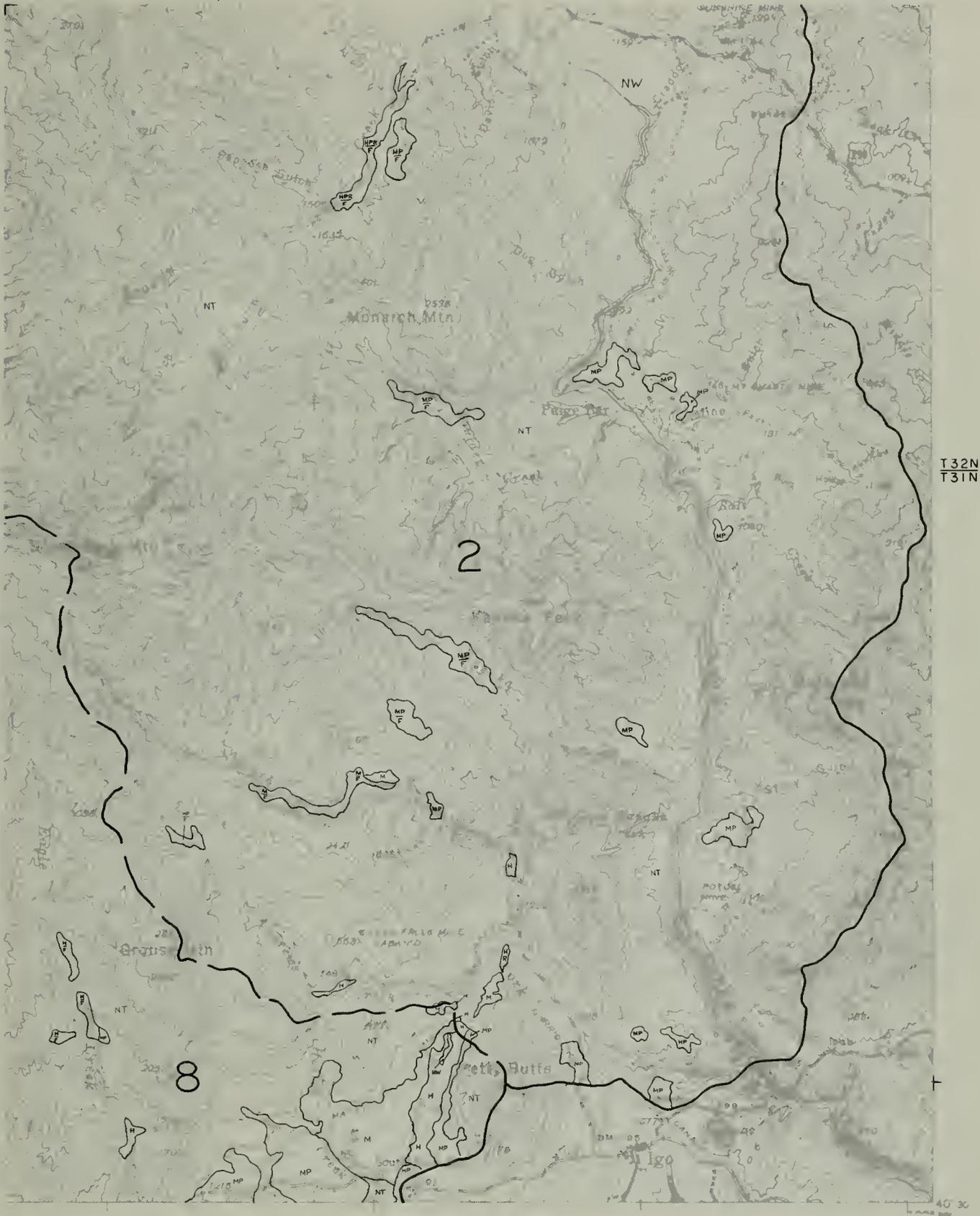
40° 30'  
122° 45'



SW 1/4 FRENCH GULCH QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



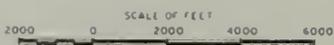
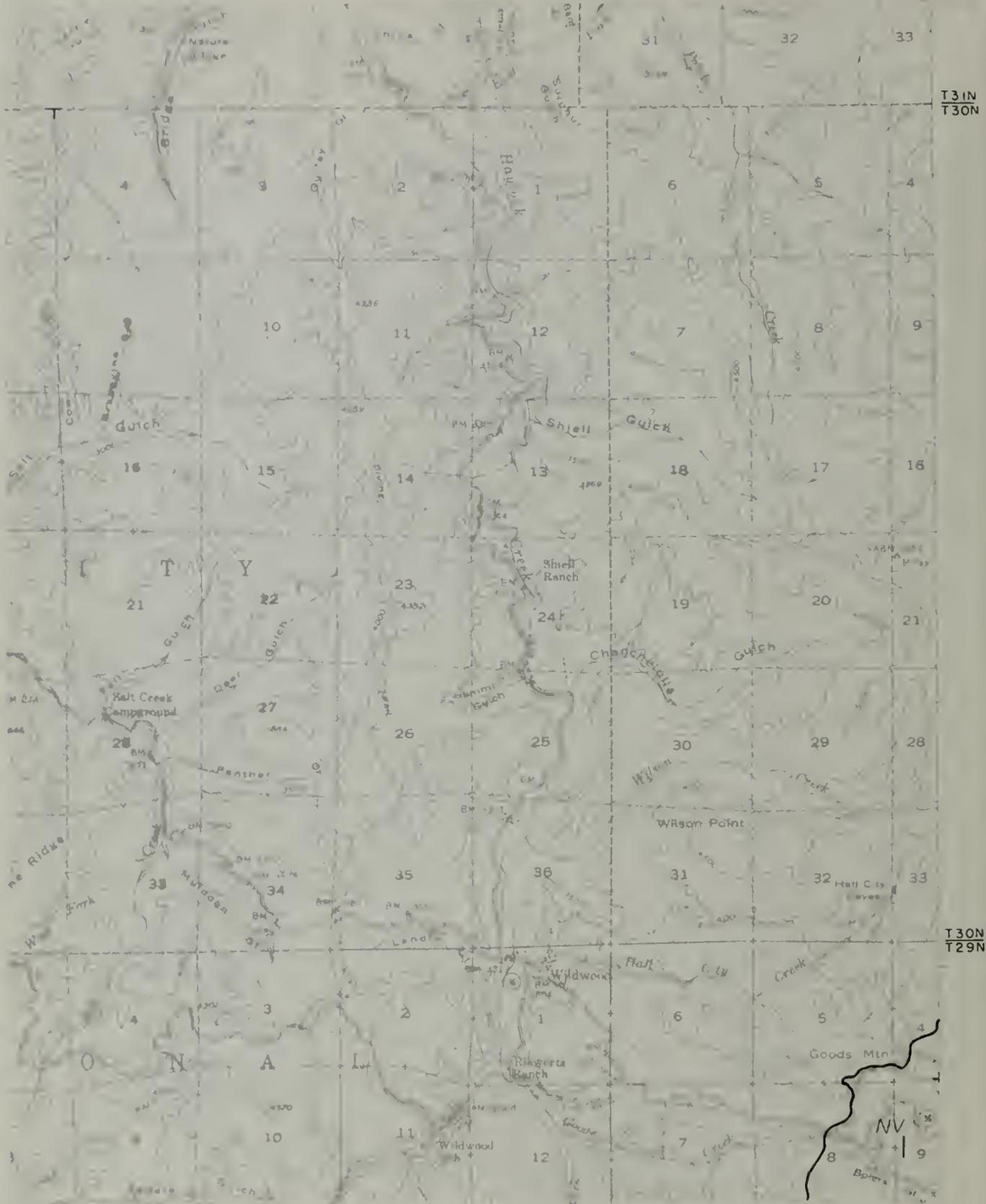
SE 1/4 FRENCH GULCH QUADRANGLE  
 LAND AND WATER USE  
 1959



SE 1/4 FRENCH GULCH QUADRANGLE

CLASSIFICATION OF LANDS

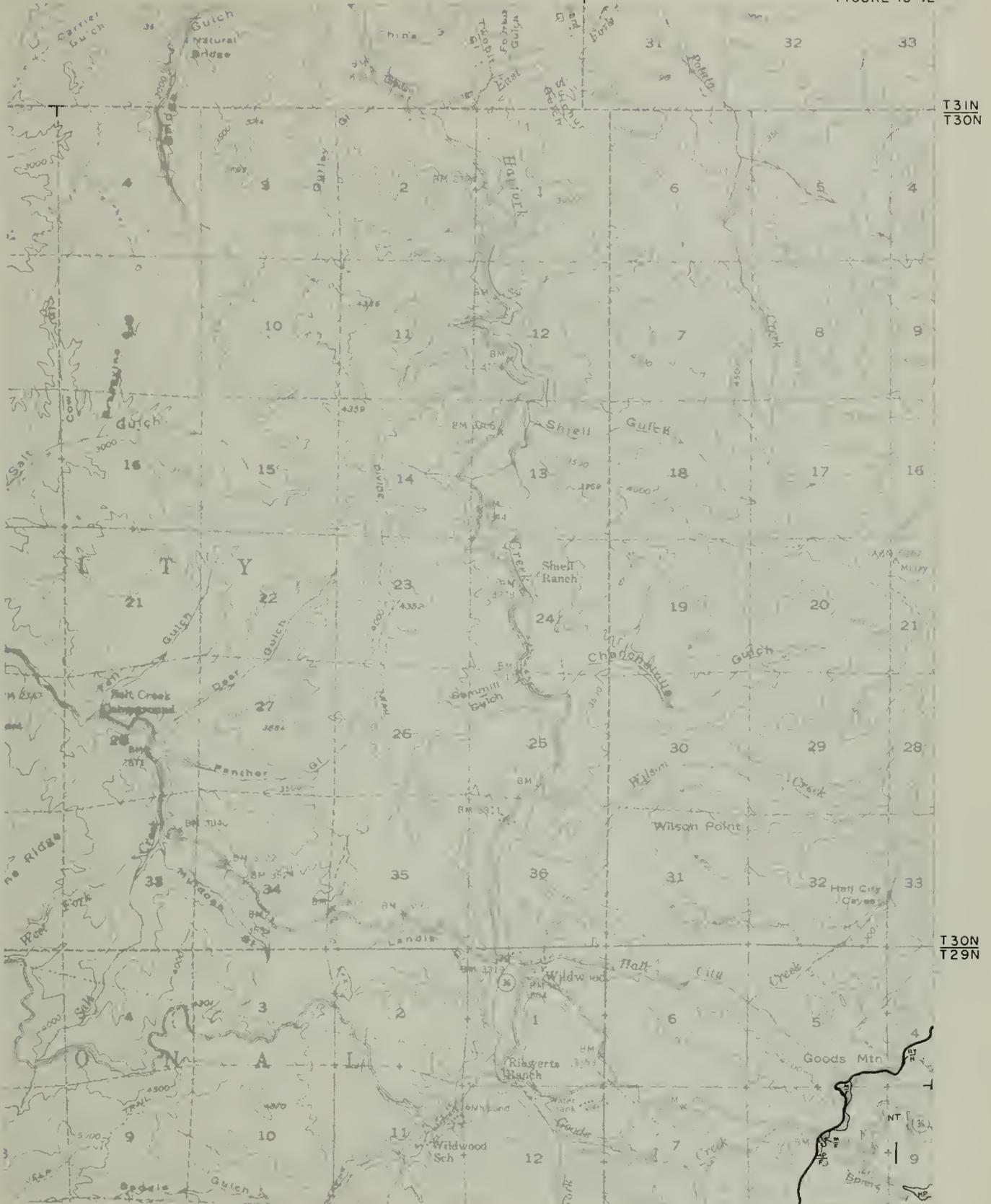
1961



NE 1/4 DUBAKELLA MOUNTAIN QUADRANGLE

LAND AND WATER USE

1959

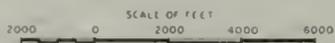
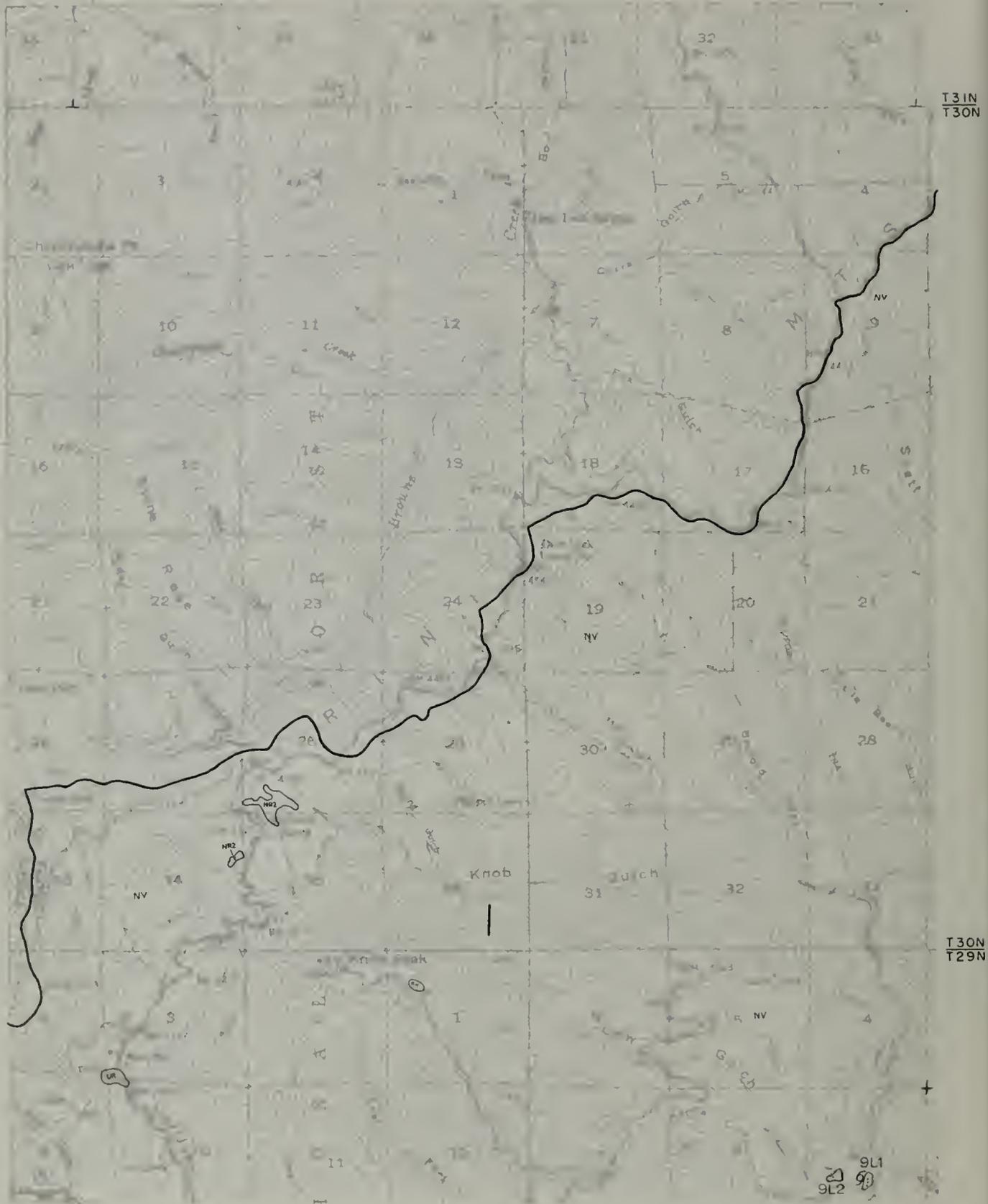


NE 1/4 DUBAKELLA MOUNTAIN QUADRANGLE

CLASSIFICATION OF LANDS

1961

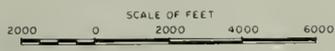
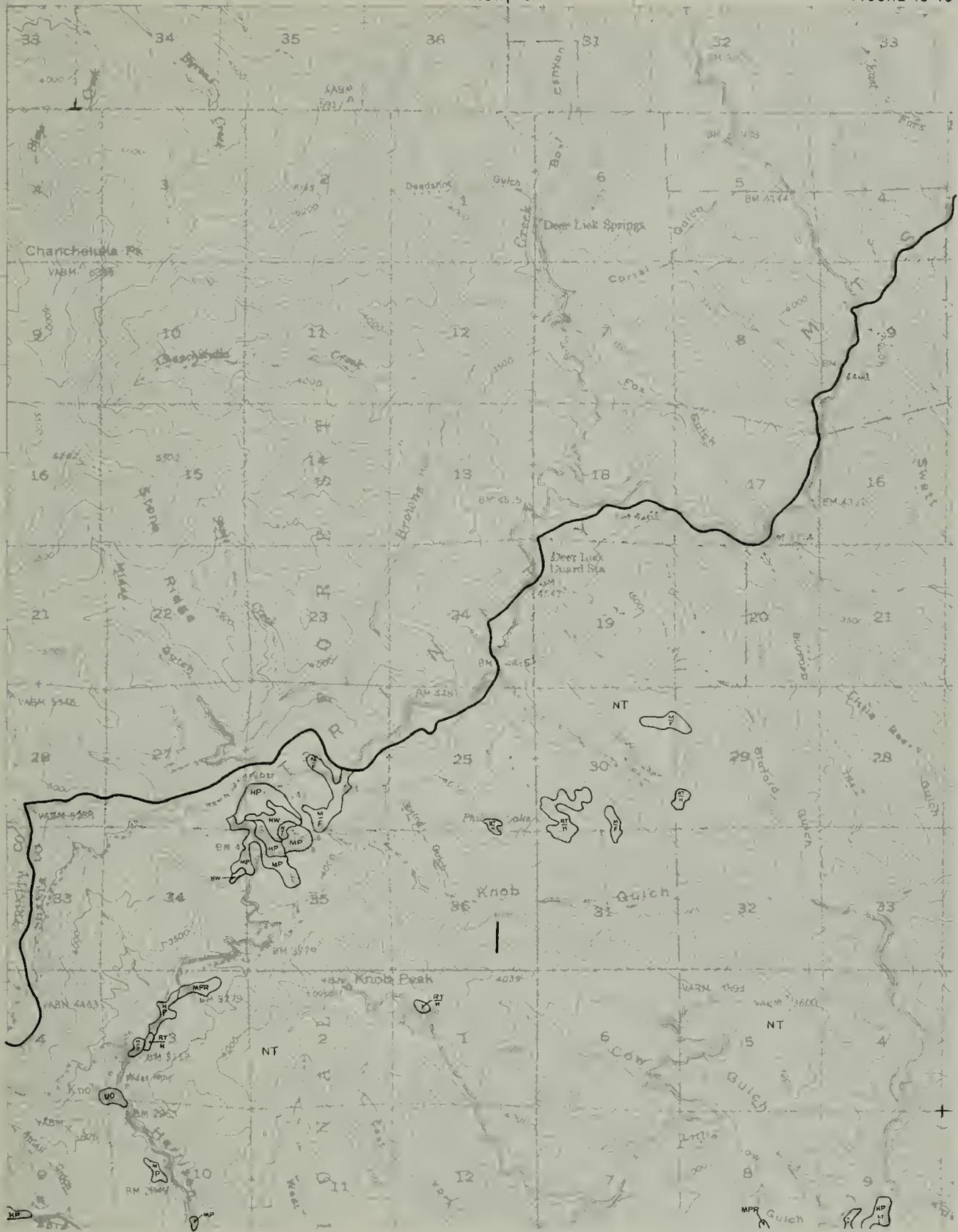




NW 1/4 CHANCELULLA PEAK QUADRANGLE

LAND AND WATER USE

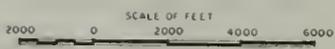
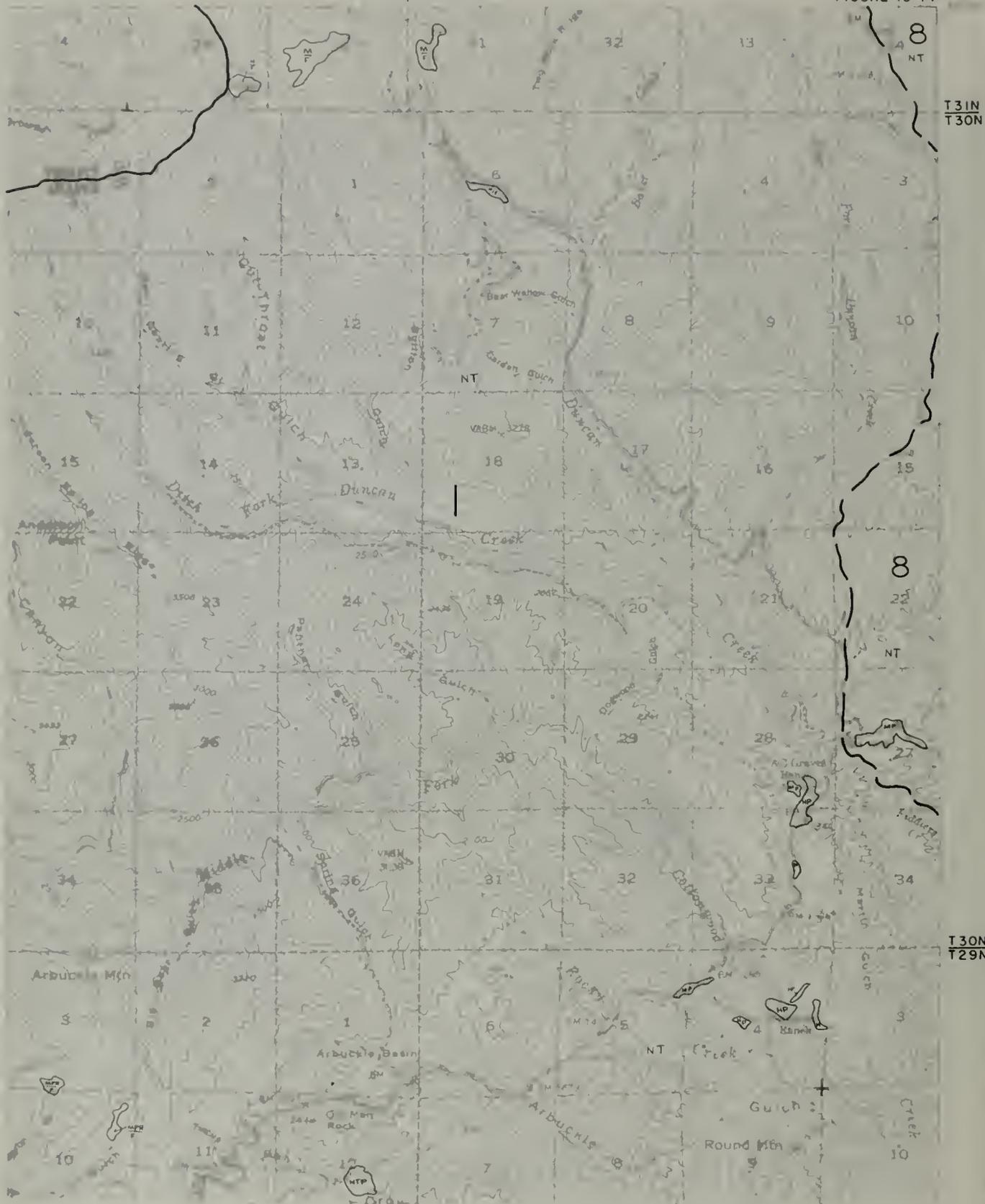
1959



NW 1/4 CHANCELULLA PEAK QUADRANGLE

CLASSIFICATION OF LANDS

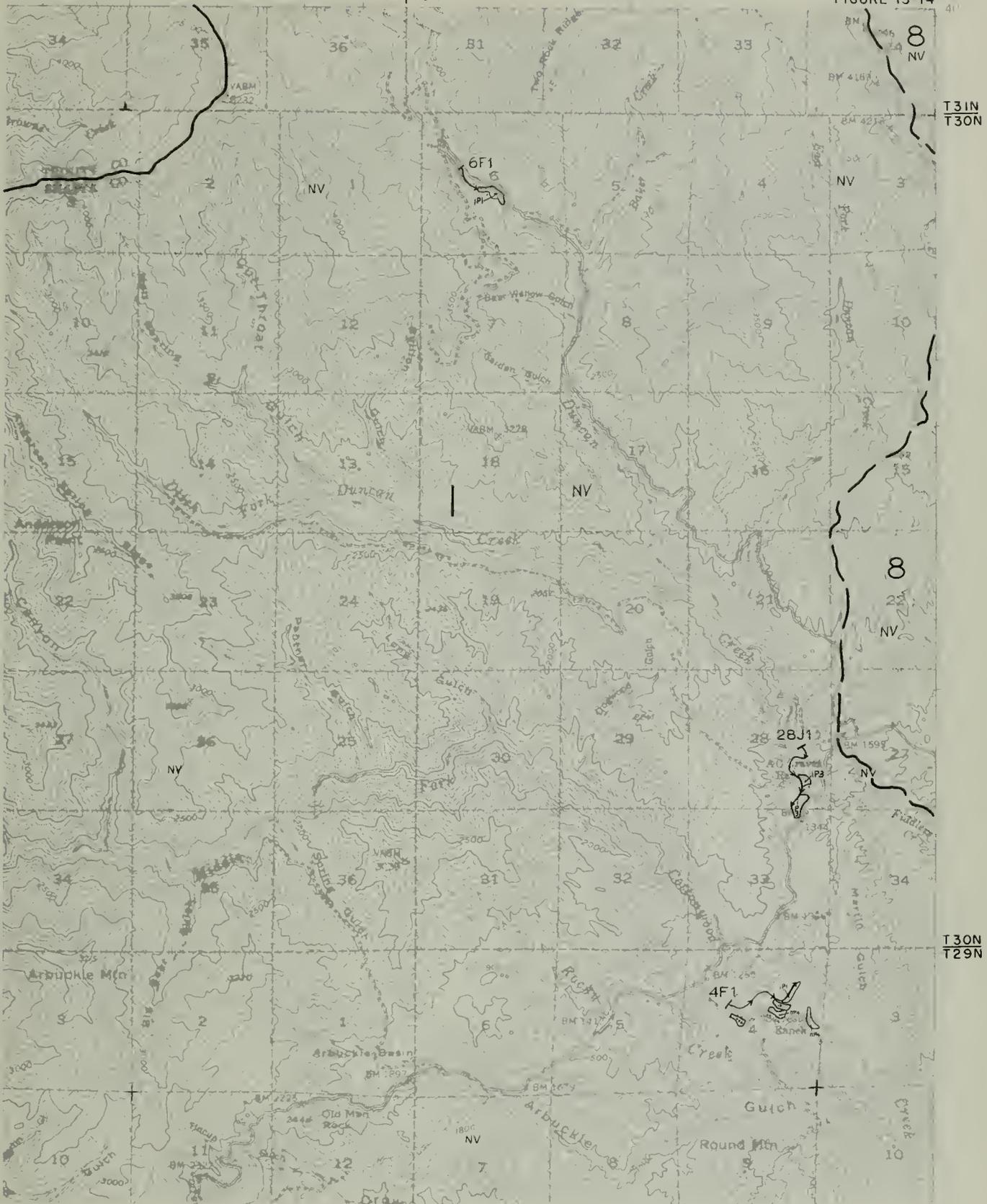
1961



NE 1/4 CHANCELULLA PEAK QUADRANGLE

LAND AND WATER USE

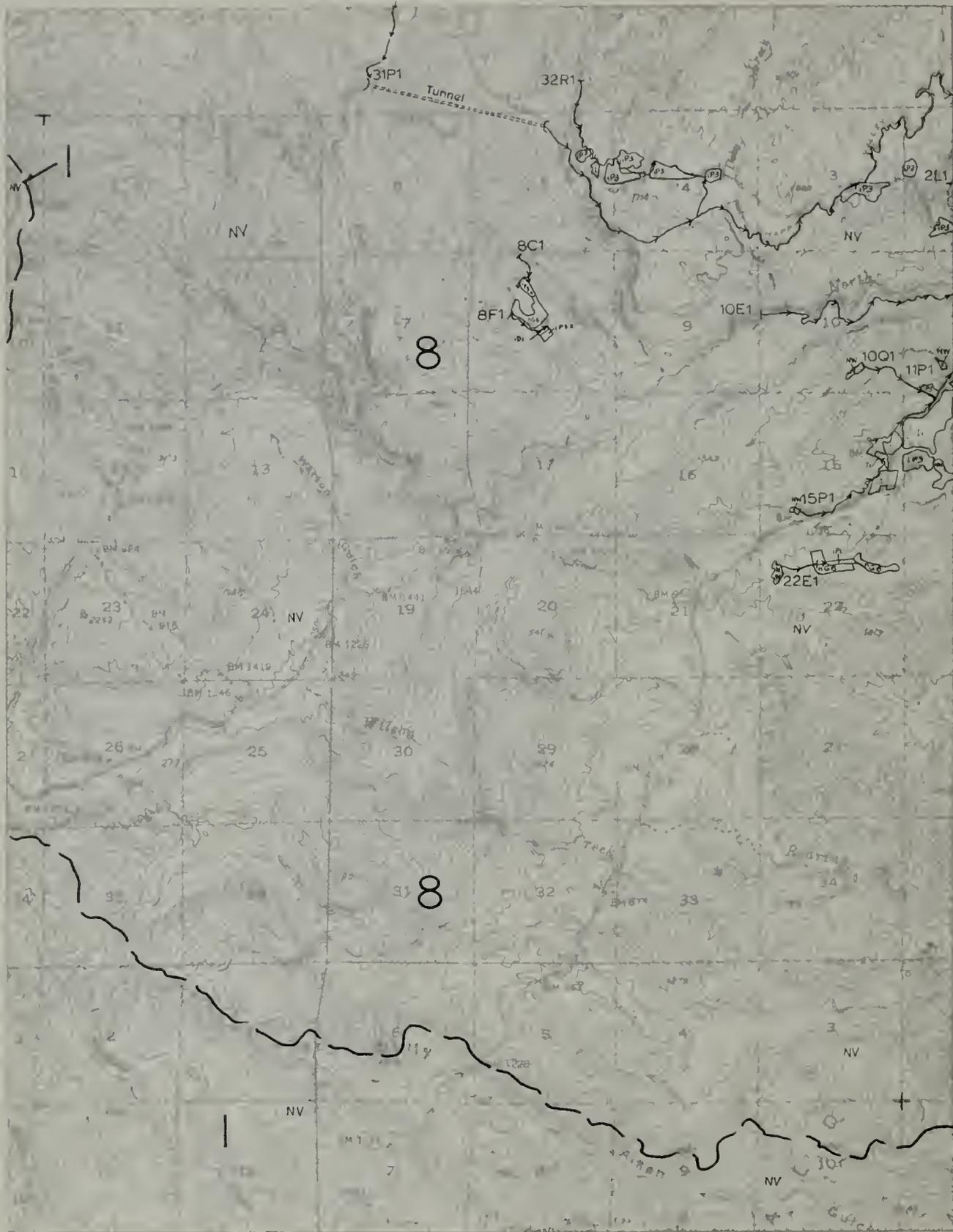
1959



NE 1/4 CHANCELULLA PEAK QUADRANGLE

CLASSIFICATION OF LANDS  
1961

SCALE OF FEET  
2000 0 2000 4000 6000



T31N  
T30N

T30N  
T29N



NW 1/4 ONO QUADRANGLE  
 LAND AND WATER USE  
 1959



T31N  
T30N

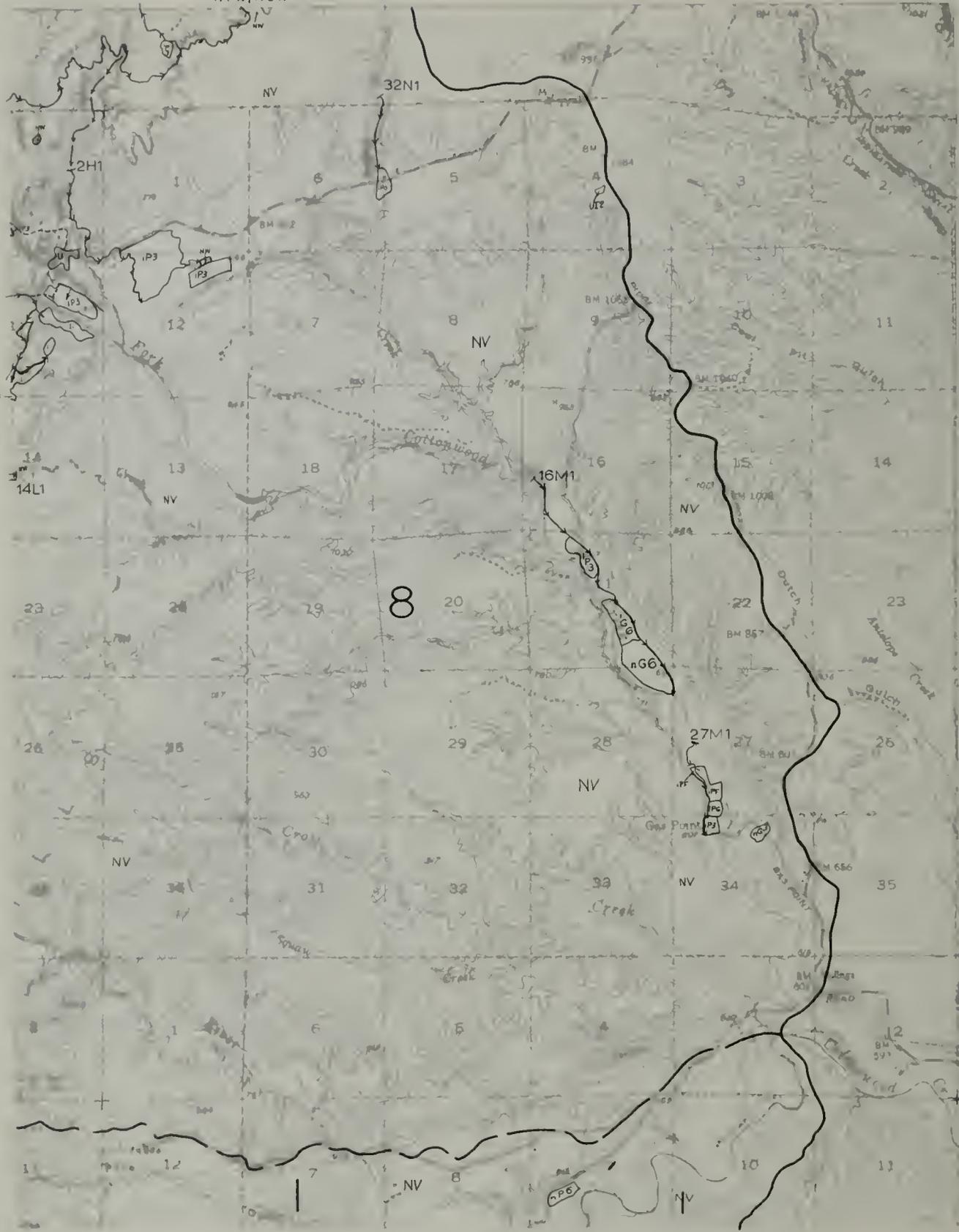
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T29N



NW 1/4 ONO QUADRANGLE

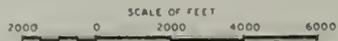
CLASSIFICATION OF LANDS

1961



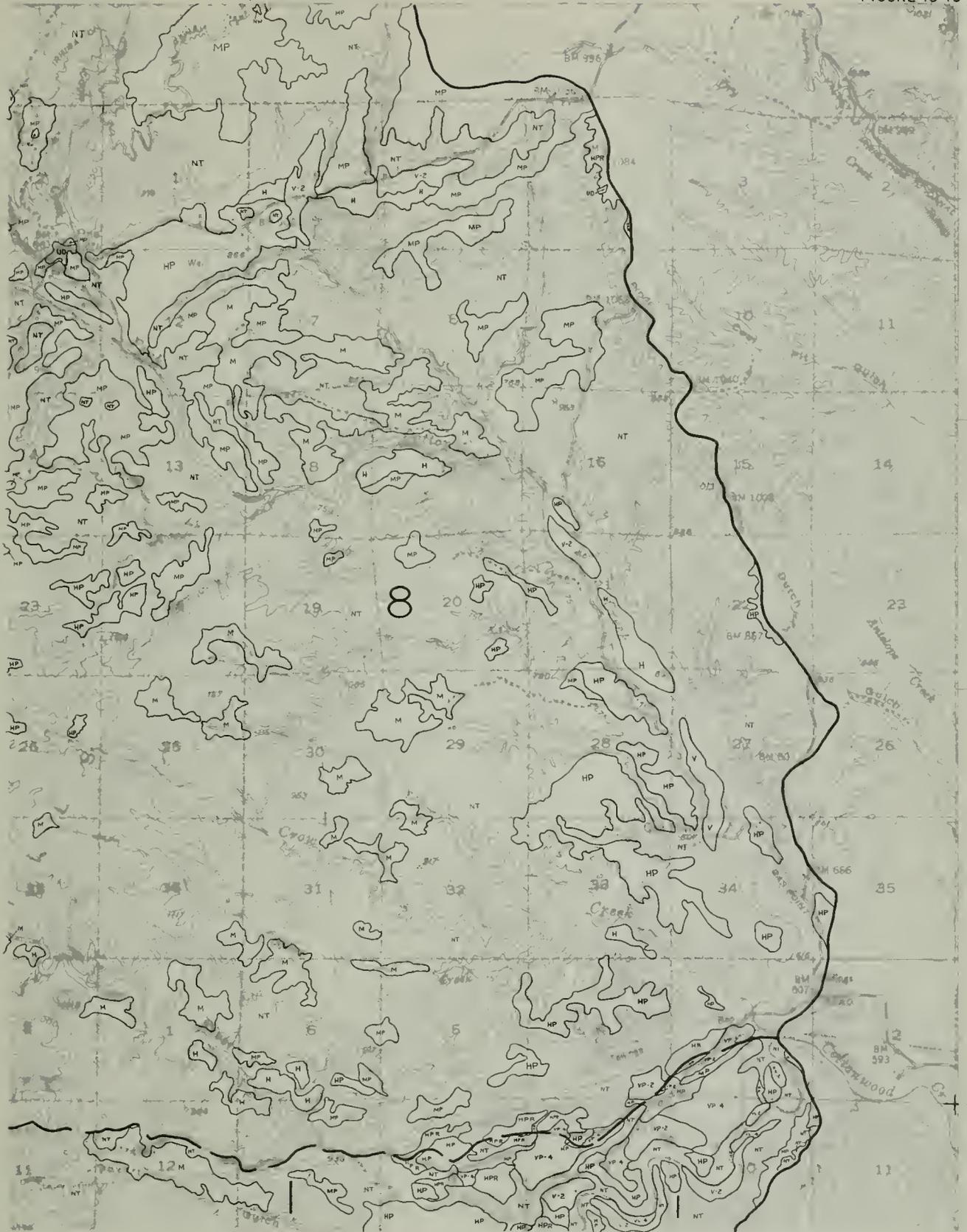
T31N  
T30N

T30N  
T29N



NE 1/4 ONO QUADRANGLE  
 LAND AND WATER USE  
 1959

T31N  
T30N

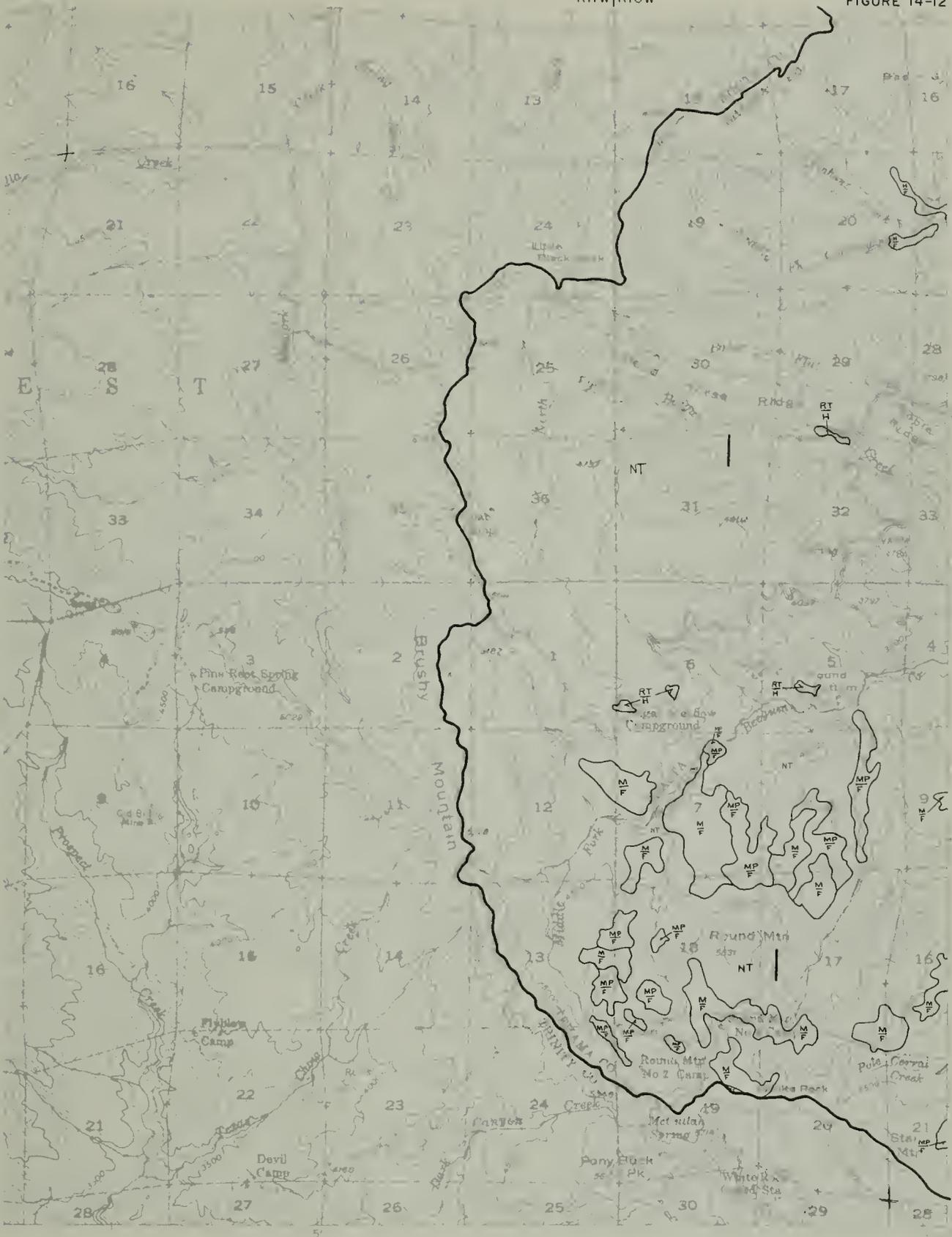


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NE 1/4 ONO QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961





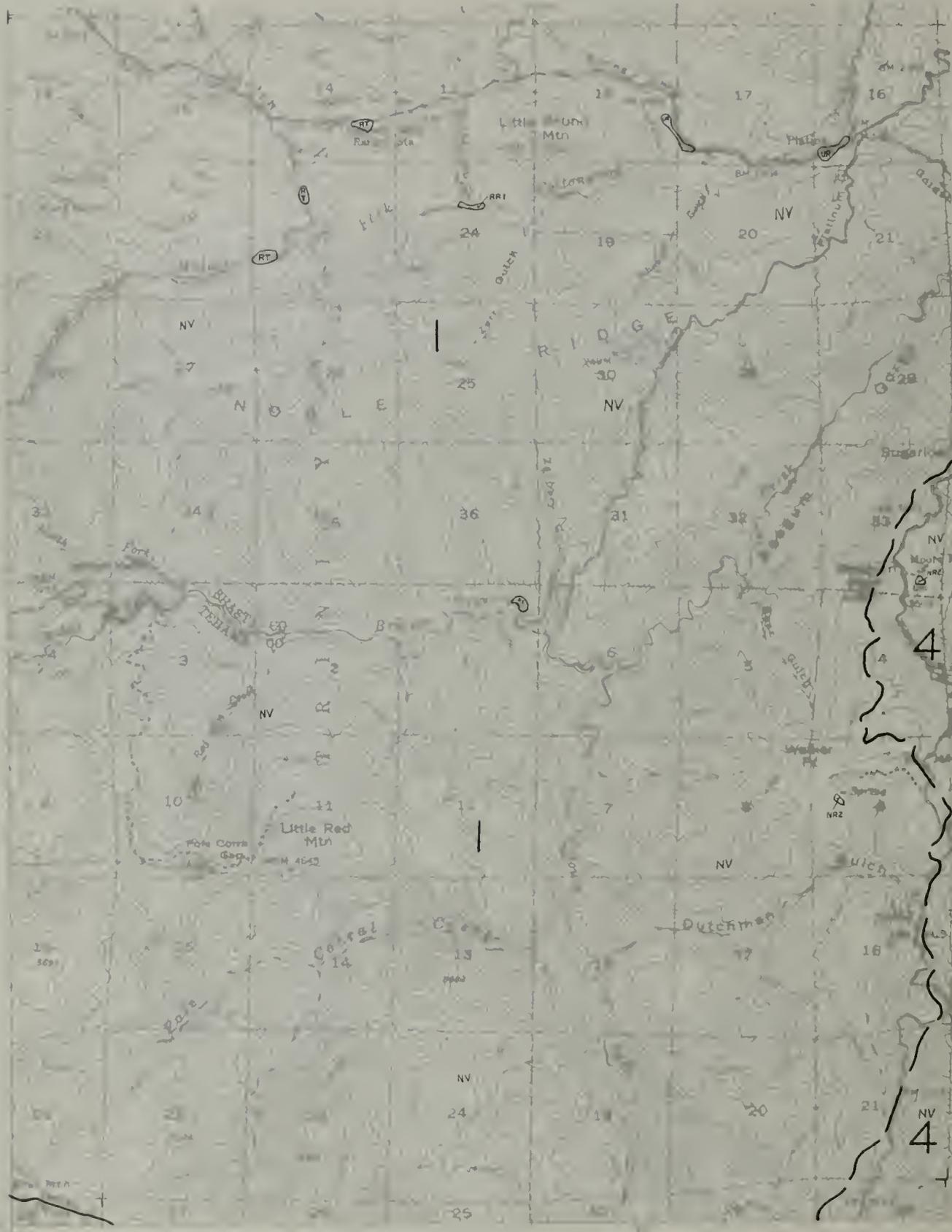
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SE 1/4 DUBAKELLA MOUNTAIN QUADRANGLE

CLASSIFICATION OF LANDS

1961

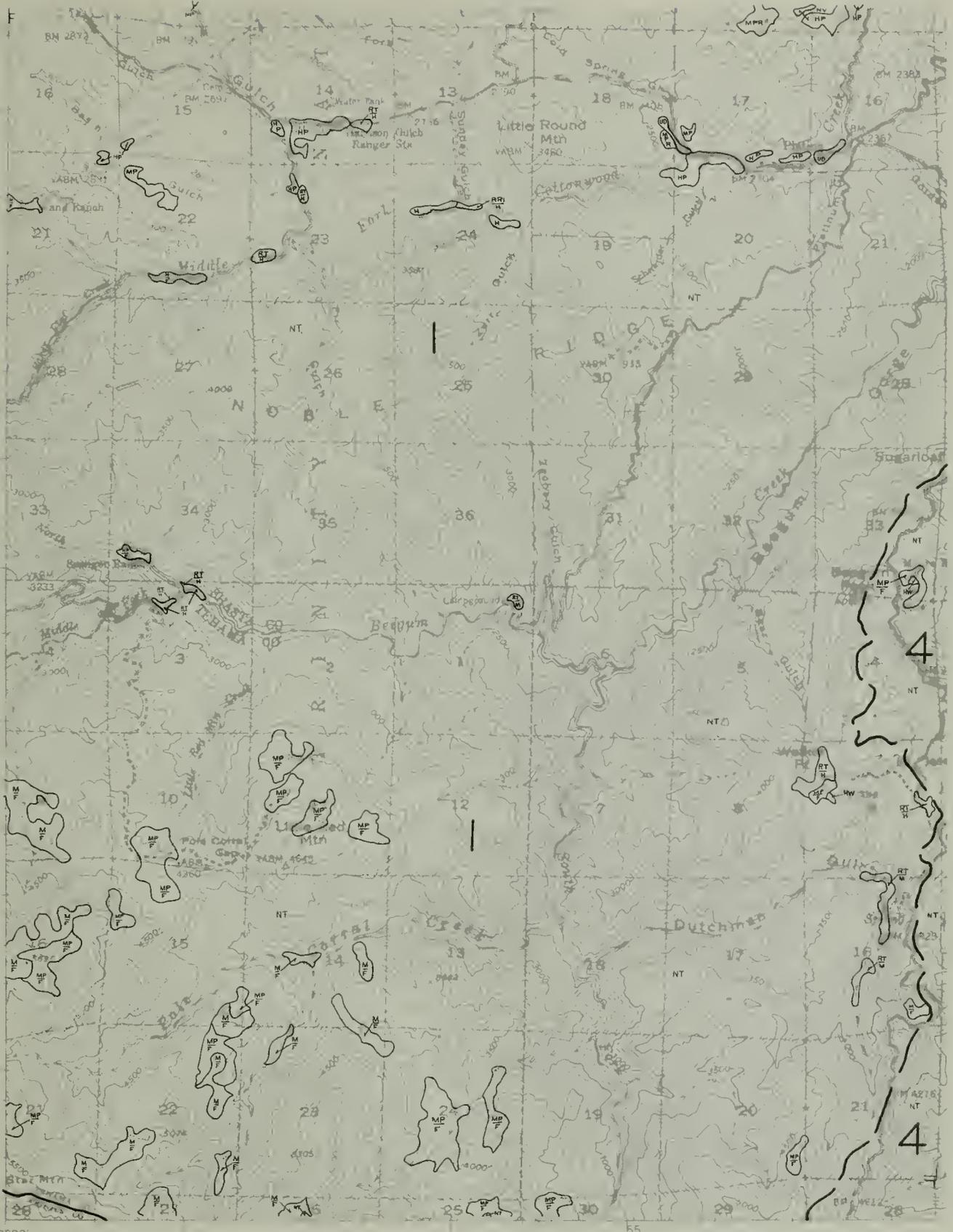




T29N  
T28N



SW 1/4 CHANCELULLA PEAK QUADRANGLE  
LAND AND WATER USE  
1959

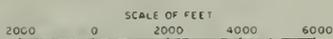


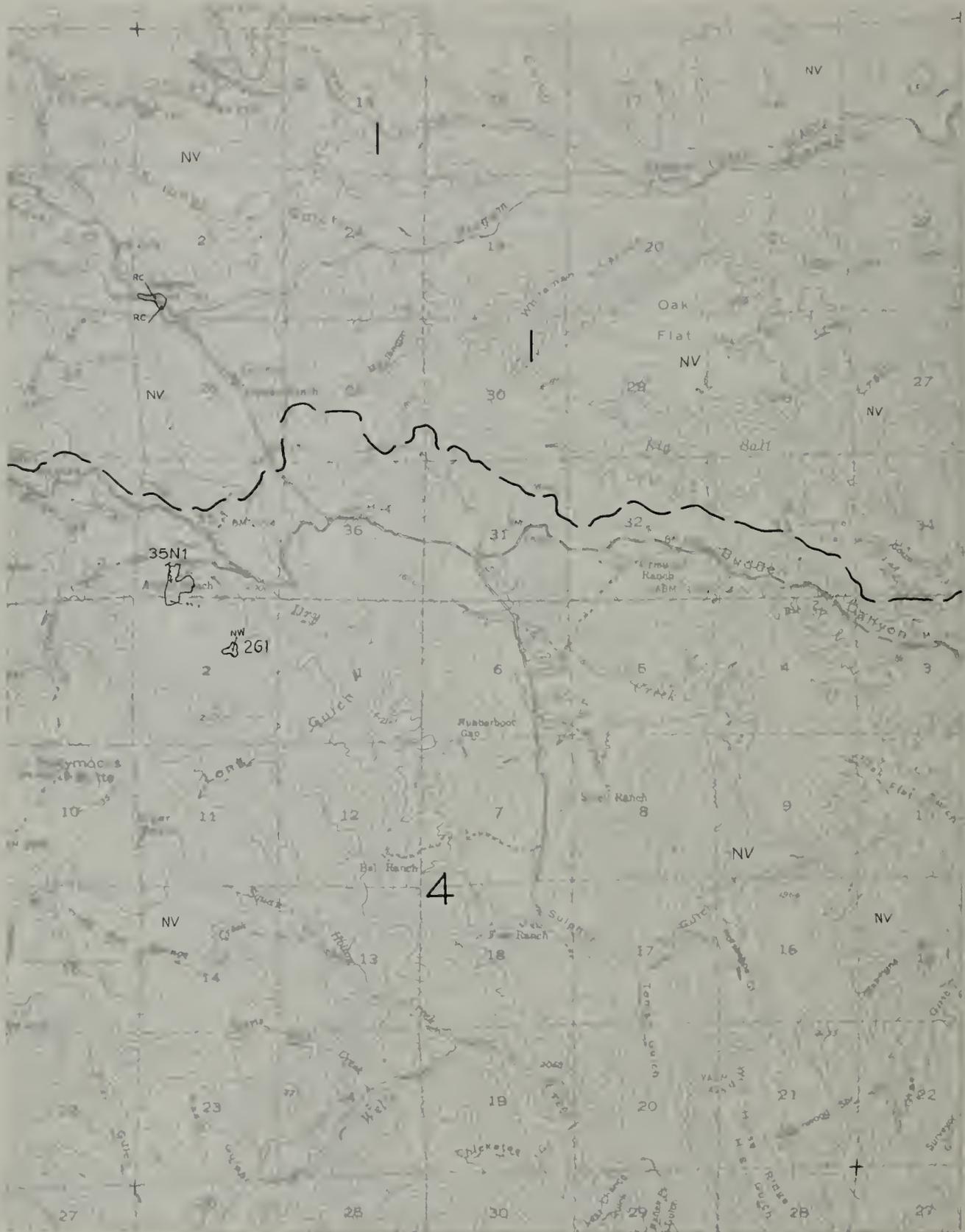
T29N  
T28N

SW 1/4 CHANCELULLA PEAK QUADRANGLE

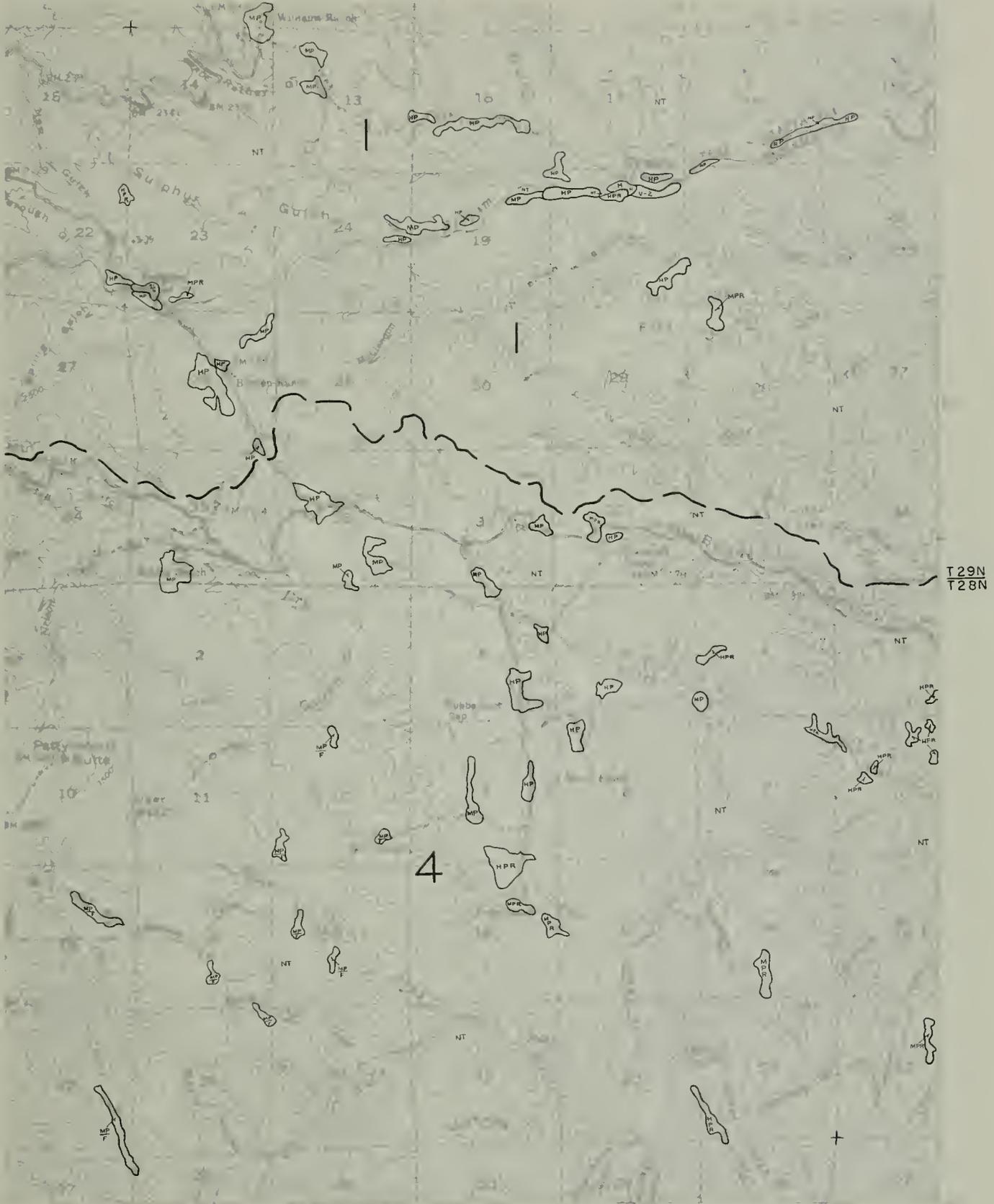
CLASSIFICATION OF LANDS

1961





SE 1/4 CHANCELULLA PEAK QUADRANGLE  
 LAND AND WATER USE  
 1959

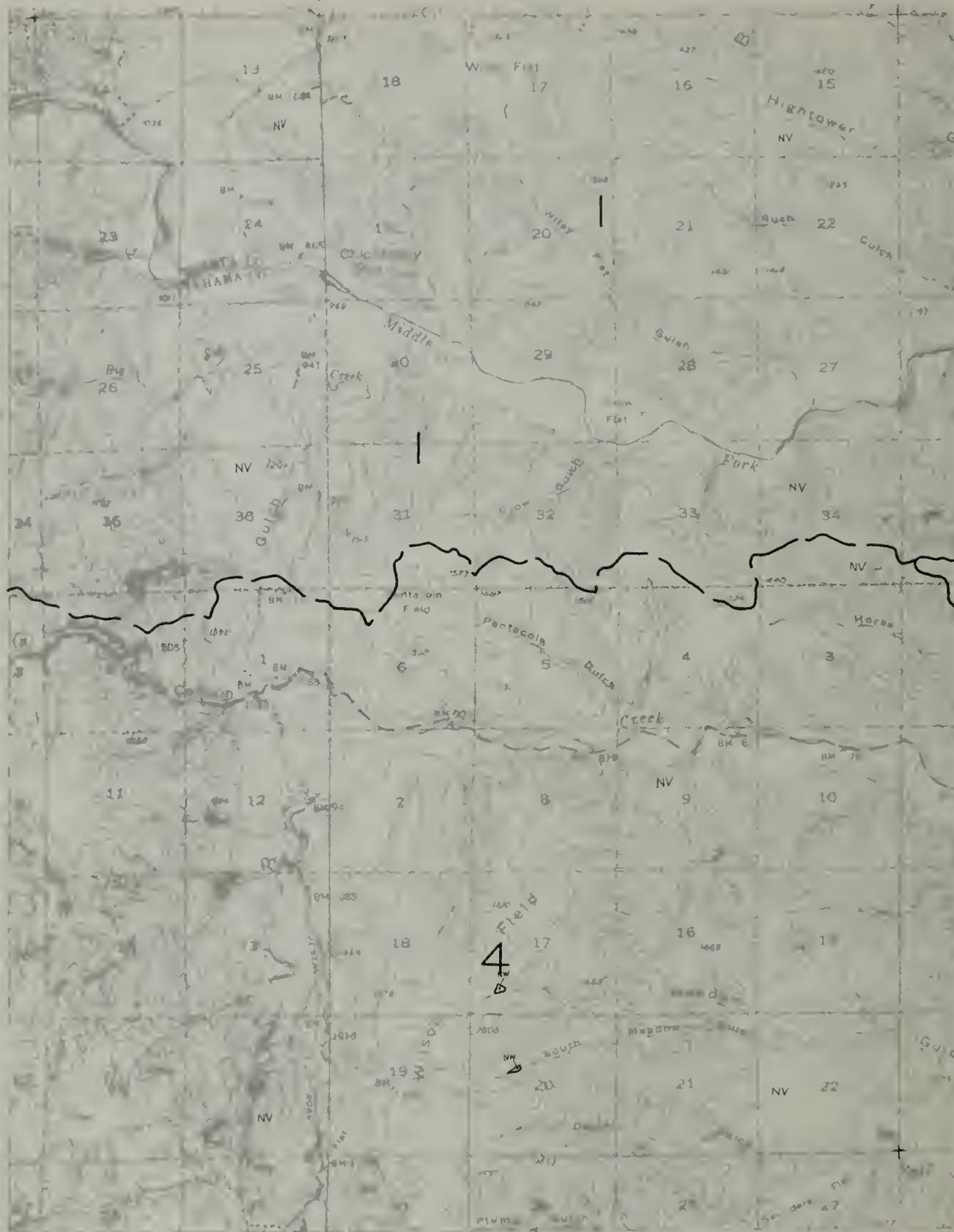


SE 1/4 CHANCELULLA PEAK QUADRANGLE

CLASSIFICATION OF LANDS

1961



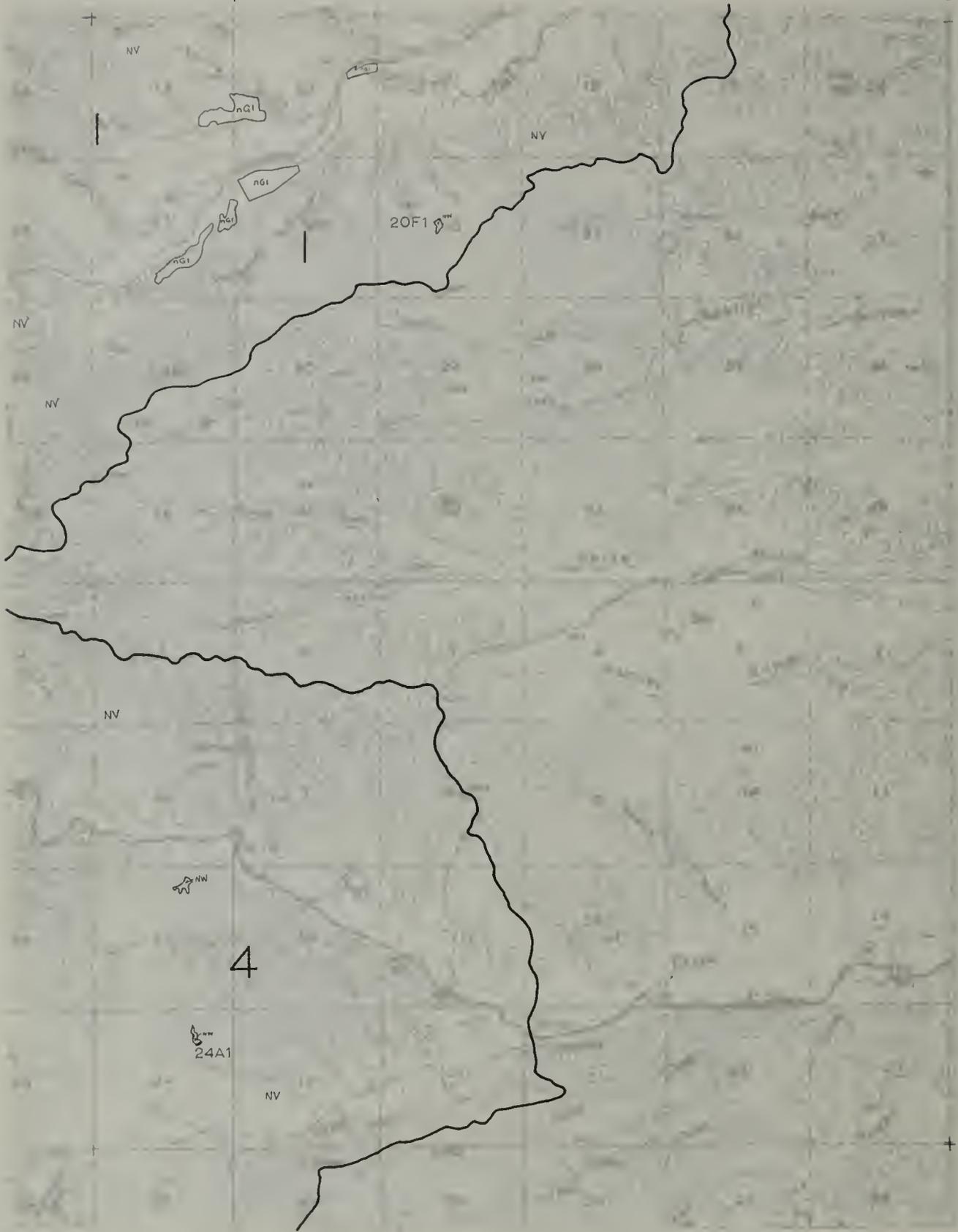


T 29N  
T 28N

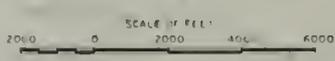


SW 1/4 ONO QUADRANGLE  
 LAND AND WATER USE  
 1959

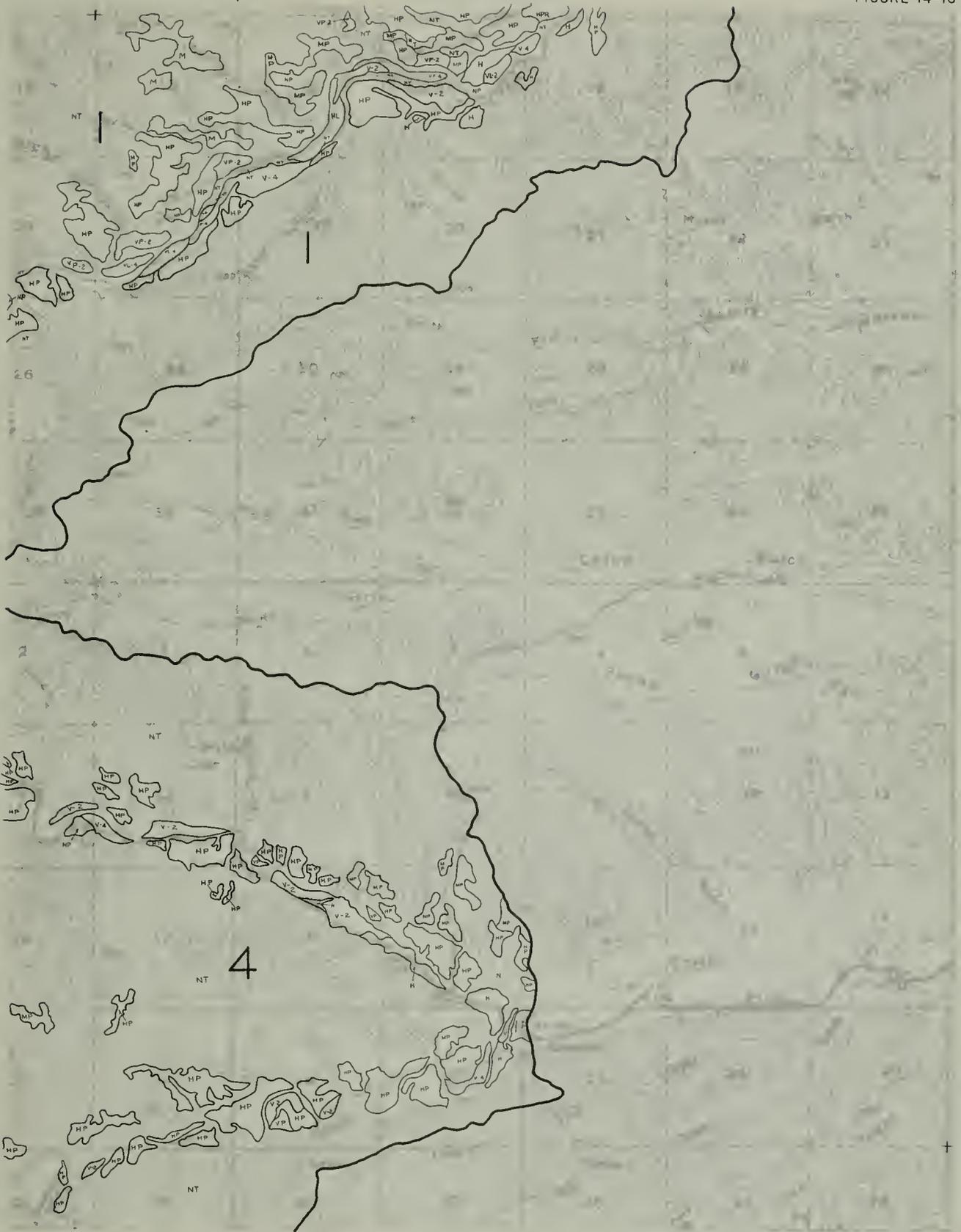




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T28N



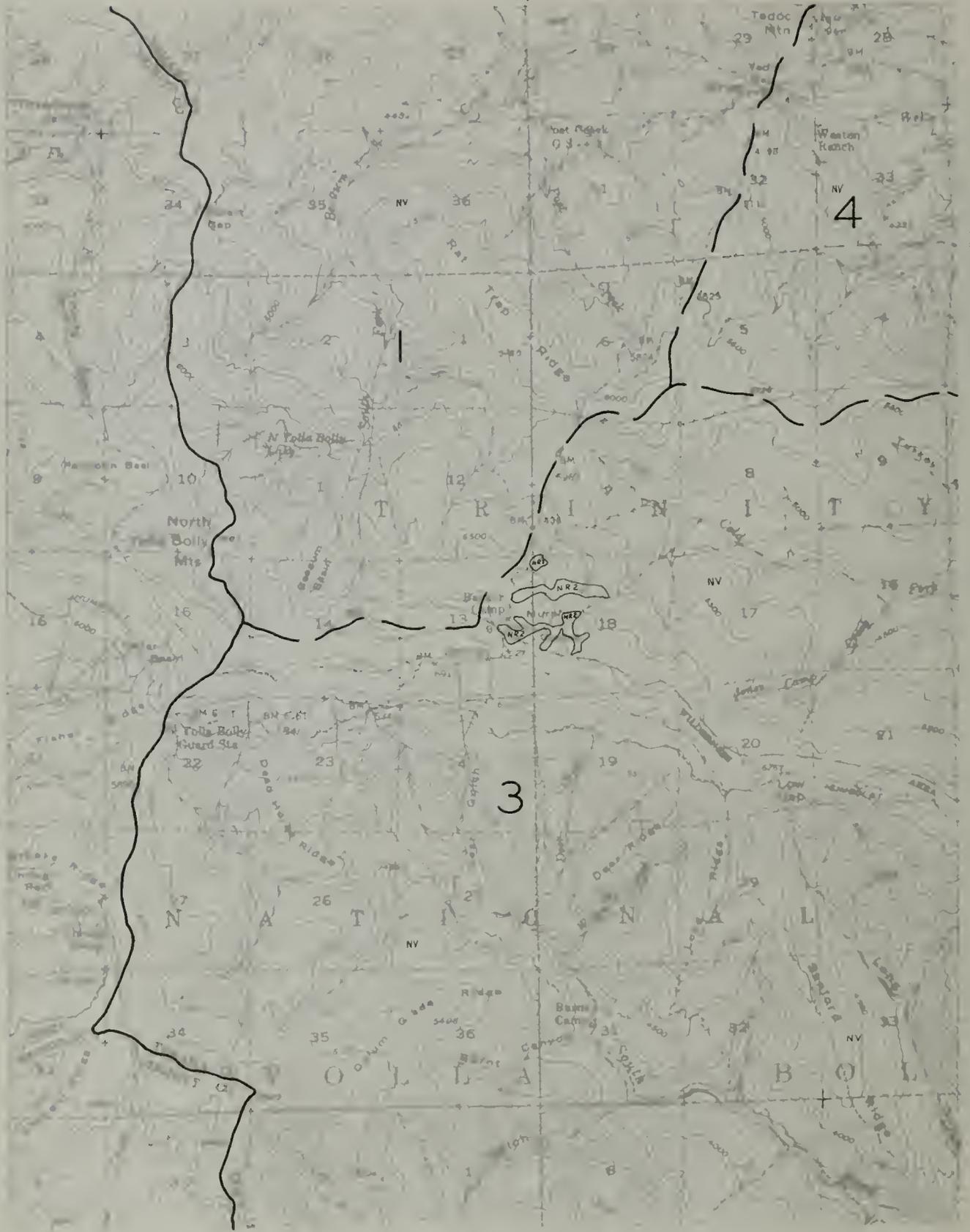
SE 1/4 ONO QUADRANGLE  
 LAND AND WATER USE  
 1959



T29N  
T28N

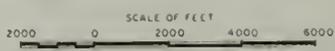


SE 1/4 ONO QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



T28N  
T27N

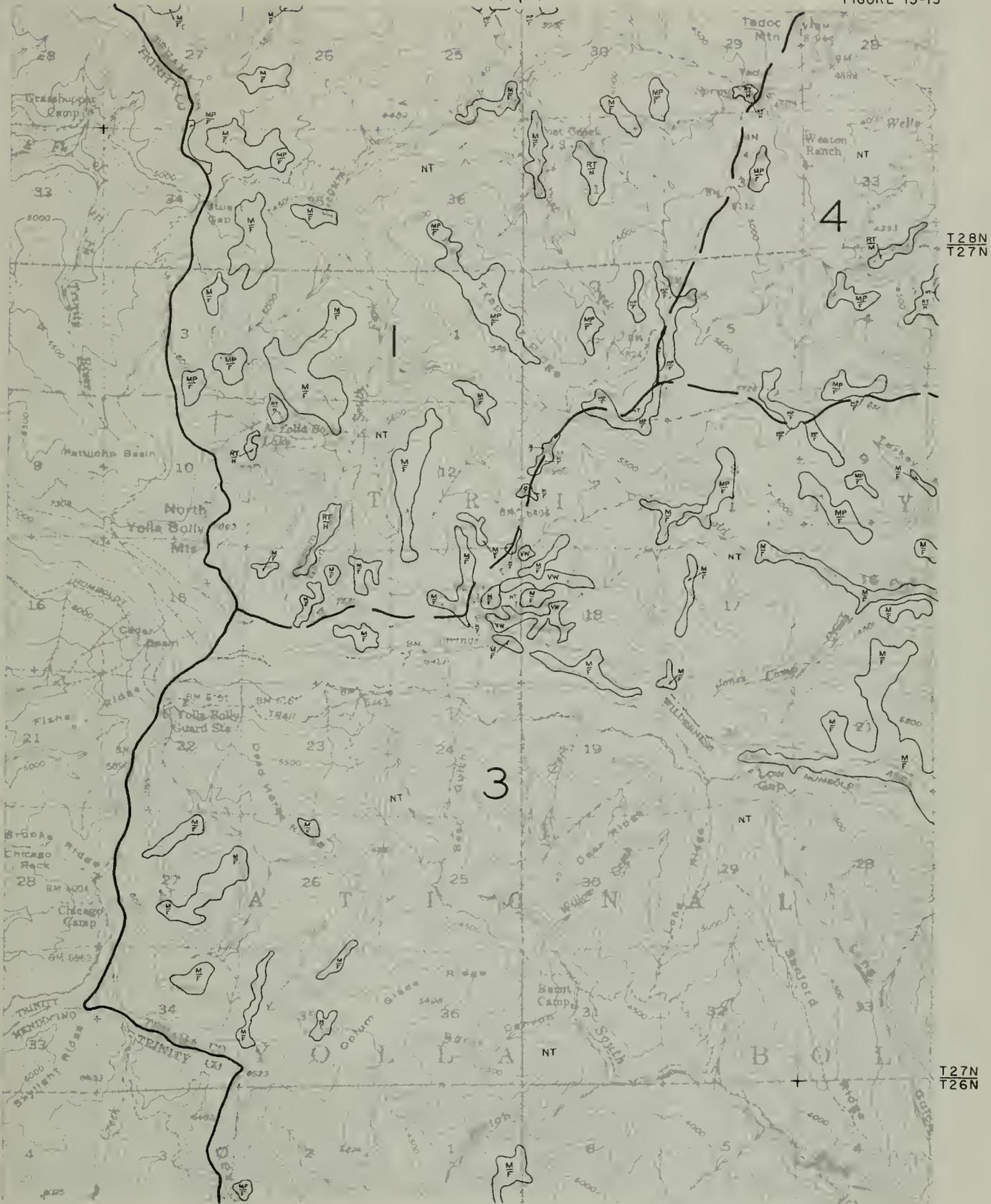
T27N  
T26N



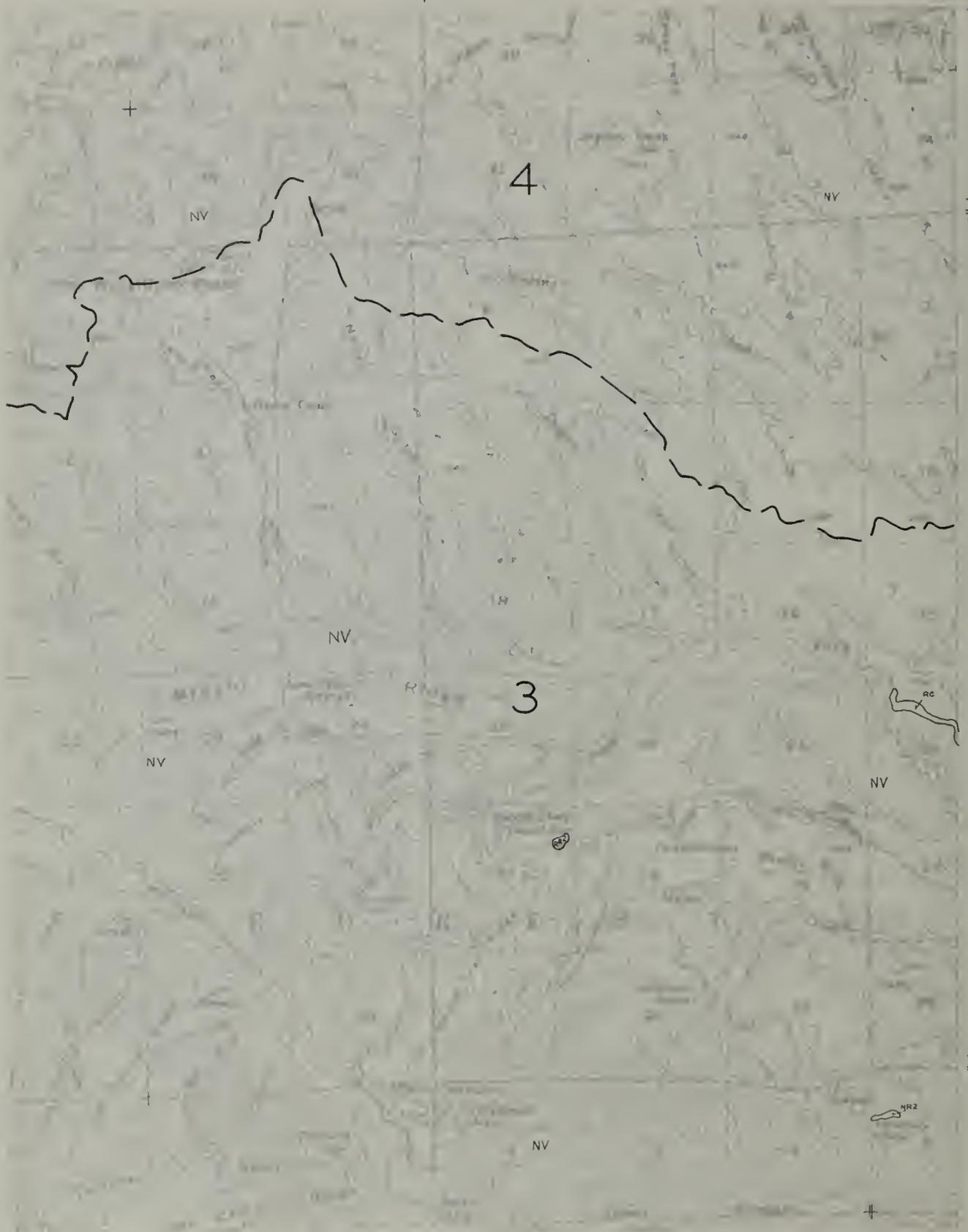
NW 1/4 YOLLA BOLLY QUADRANGLE

LAND AND WATER USE

1959

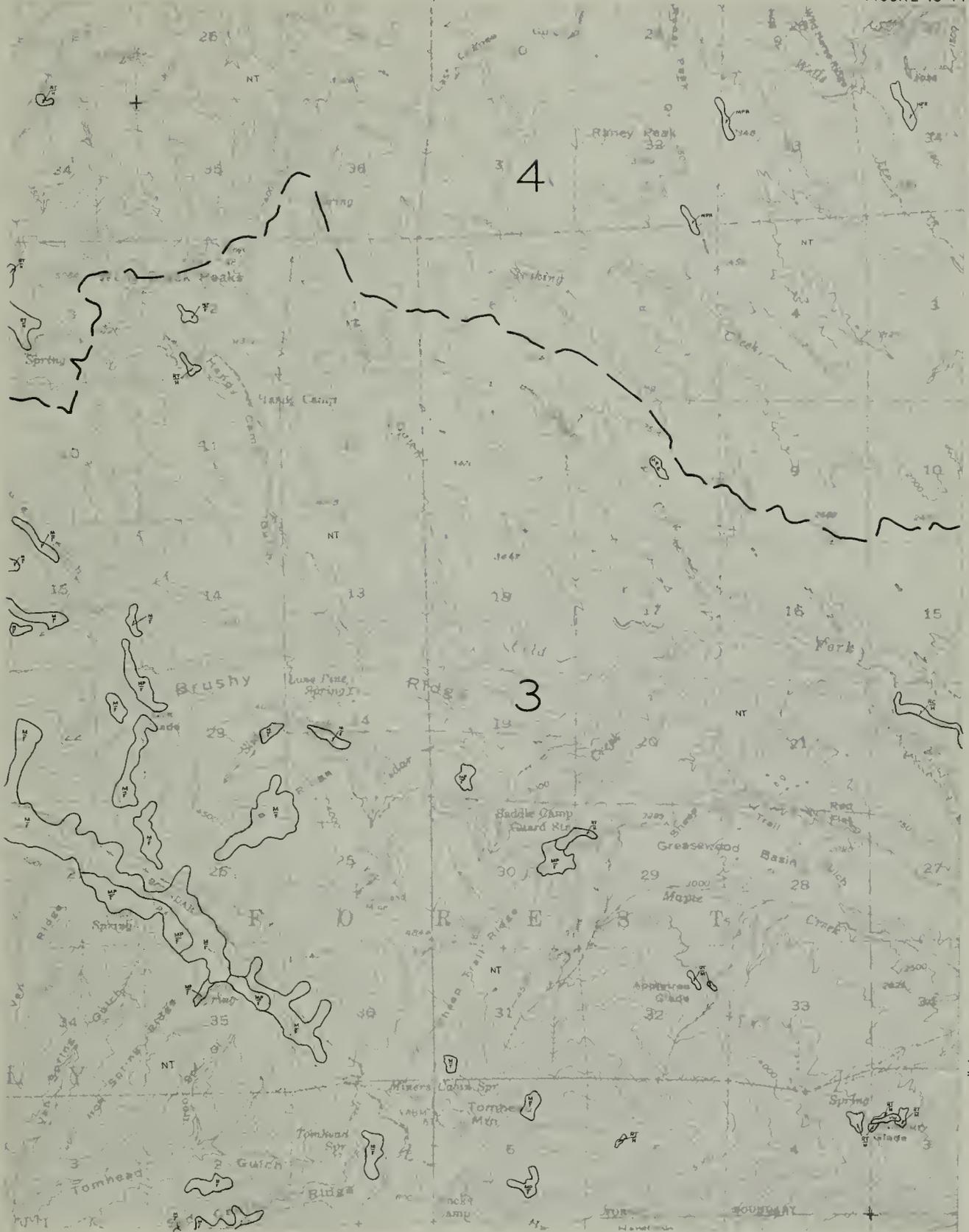


NW 1/4 YOLLA BOLLY QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961

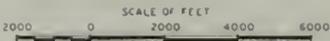
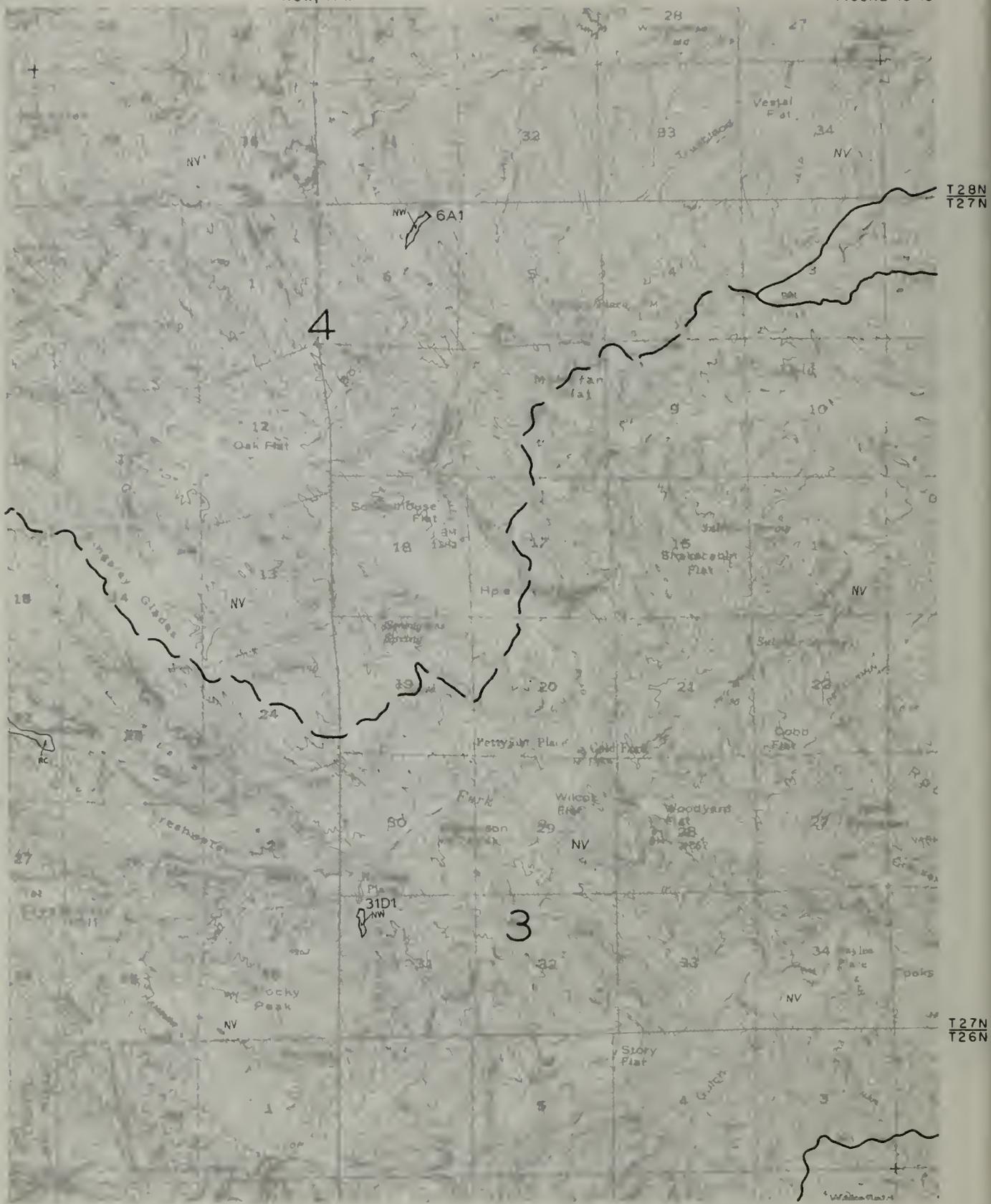


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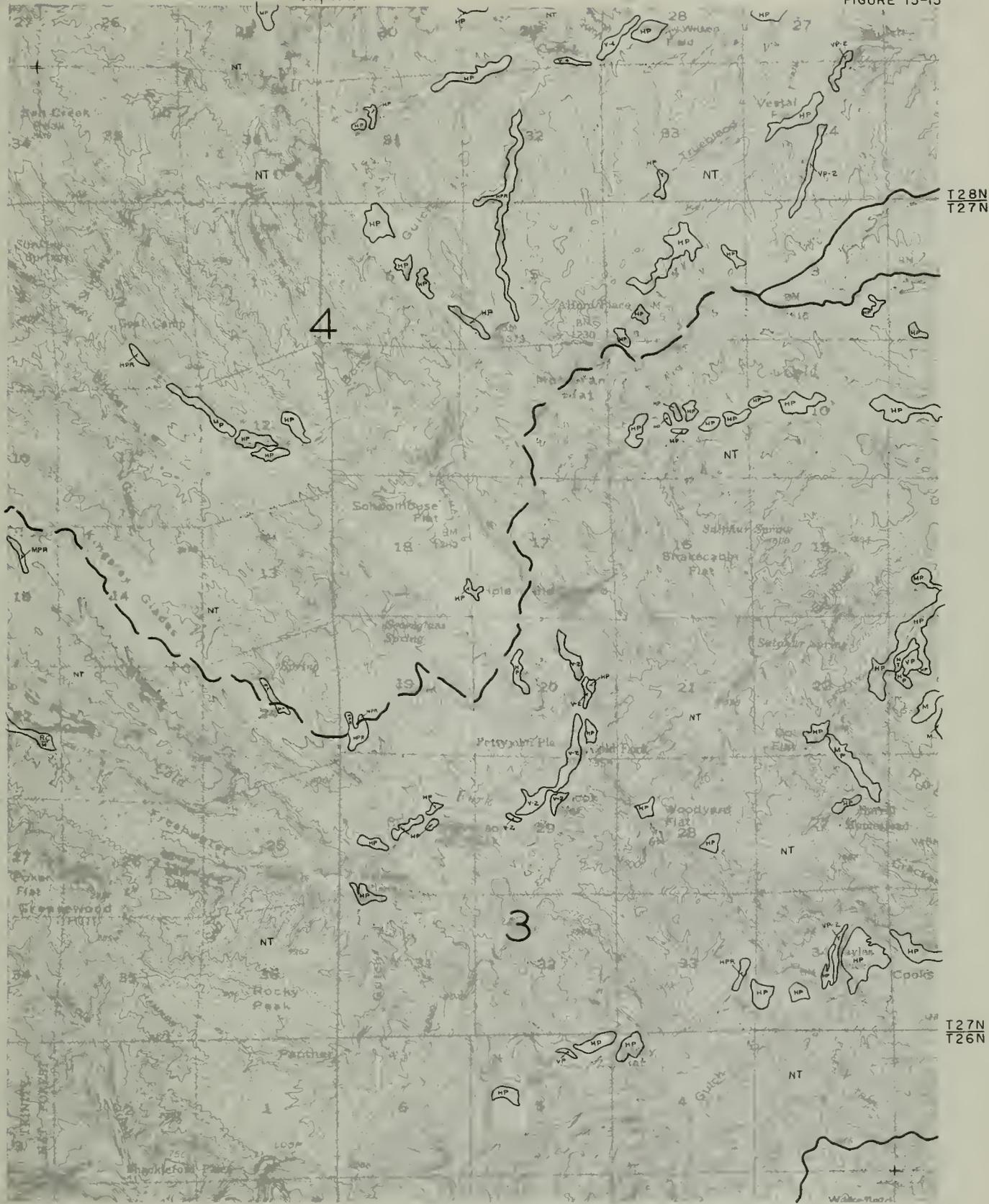
NE 1/4 YOLLA BOLLY QUADRANGLE  
 LAND AND WATER USE  
 1959



NE 1/4 YOLLA BOLLY QUADRANGLE  
 CLASSIFICATION OF LANDS.  
 1961



NW 1/4 COLYEAR SPRINGS QUADRANGLE  
 LAND AND WATER USE  
 1959



NW 1/4 COLYEAR SPRINGS QUADRANGLE

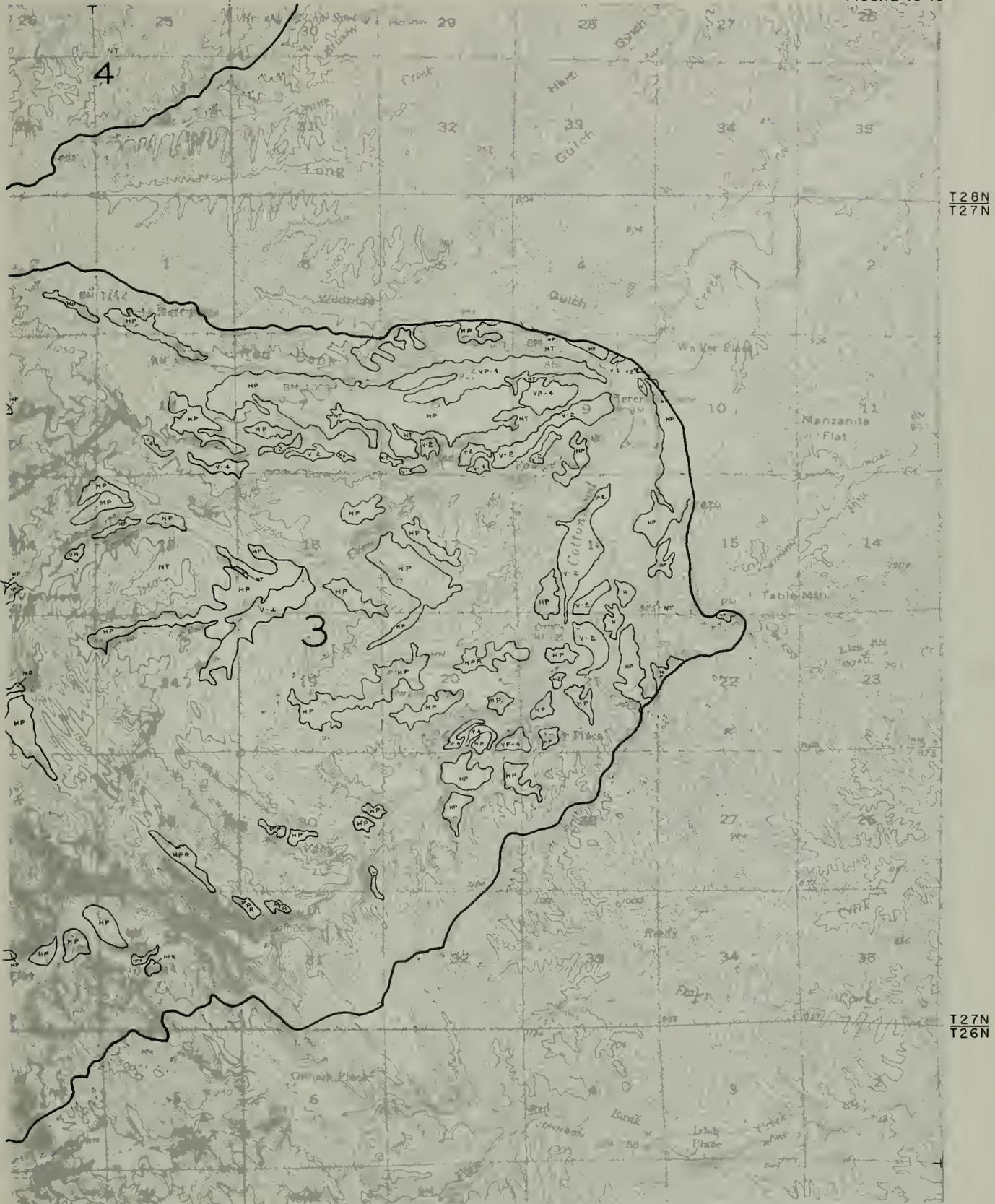
CLASSIFICATION OF LANDS

1961





NE 1/4 COLYEAR SPRINGS QUADRANGLE  
 LAND AND WATER USE  
 1959

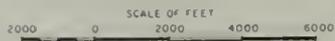
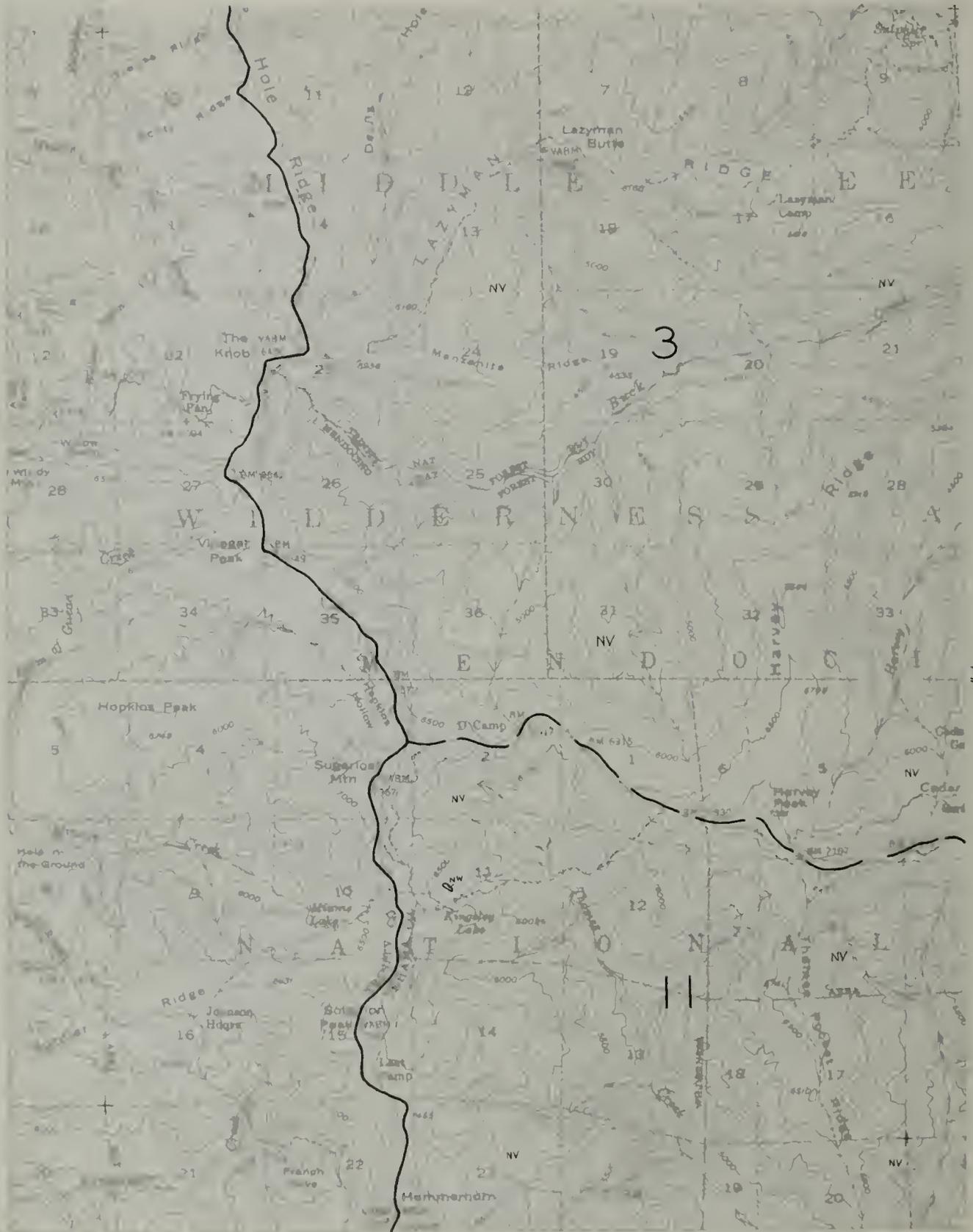


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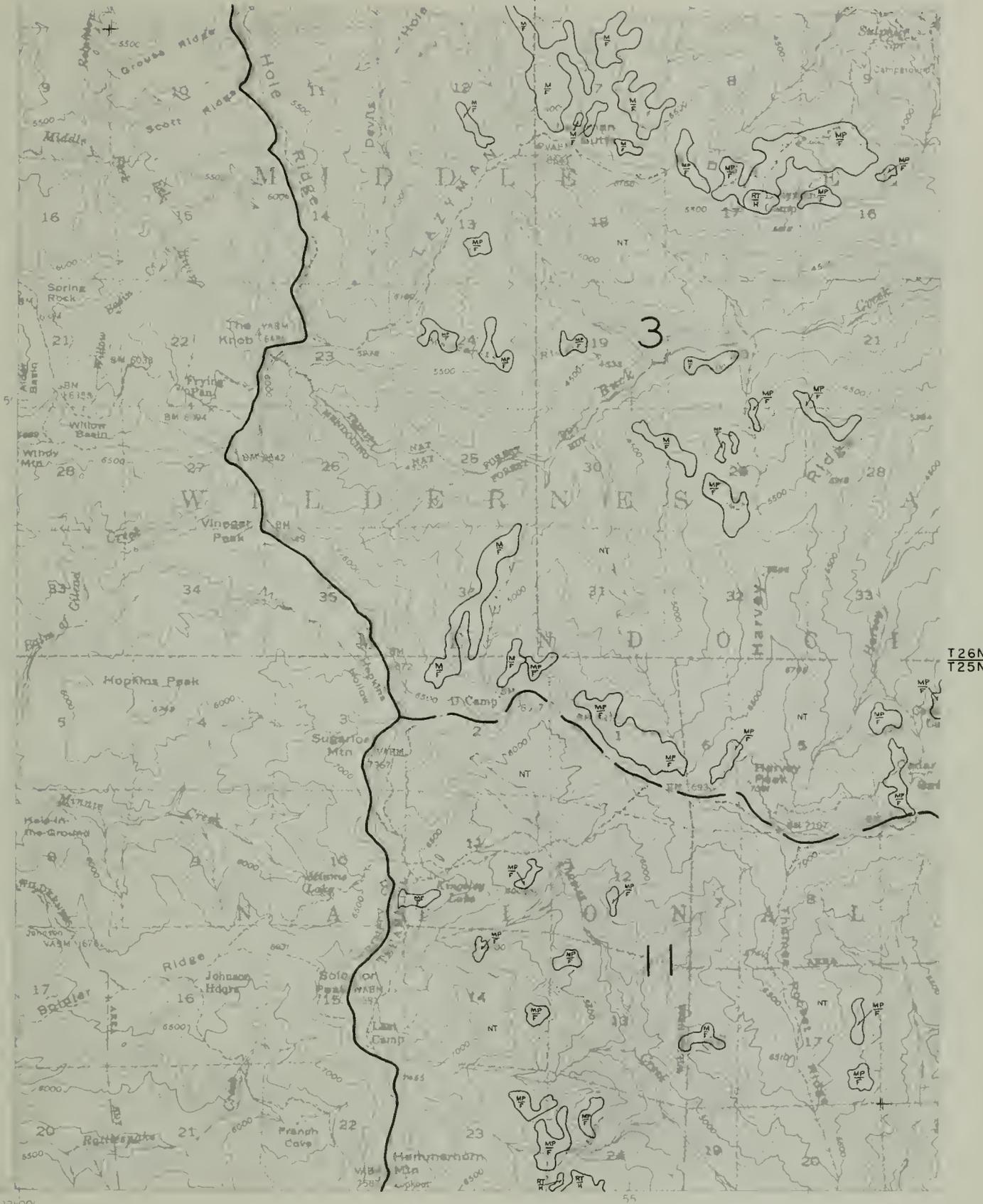
NE 1/4 COLYEAR SPRINGS QUADRANGLE

CLASSIFICATION OF LANDS

1961



SW 1/4 YOLLA BOLLY QUADRANGLE  
 LAND AND WATER USE  
 1959

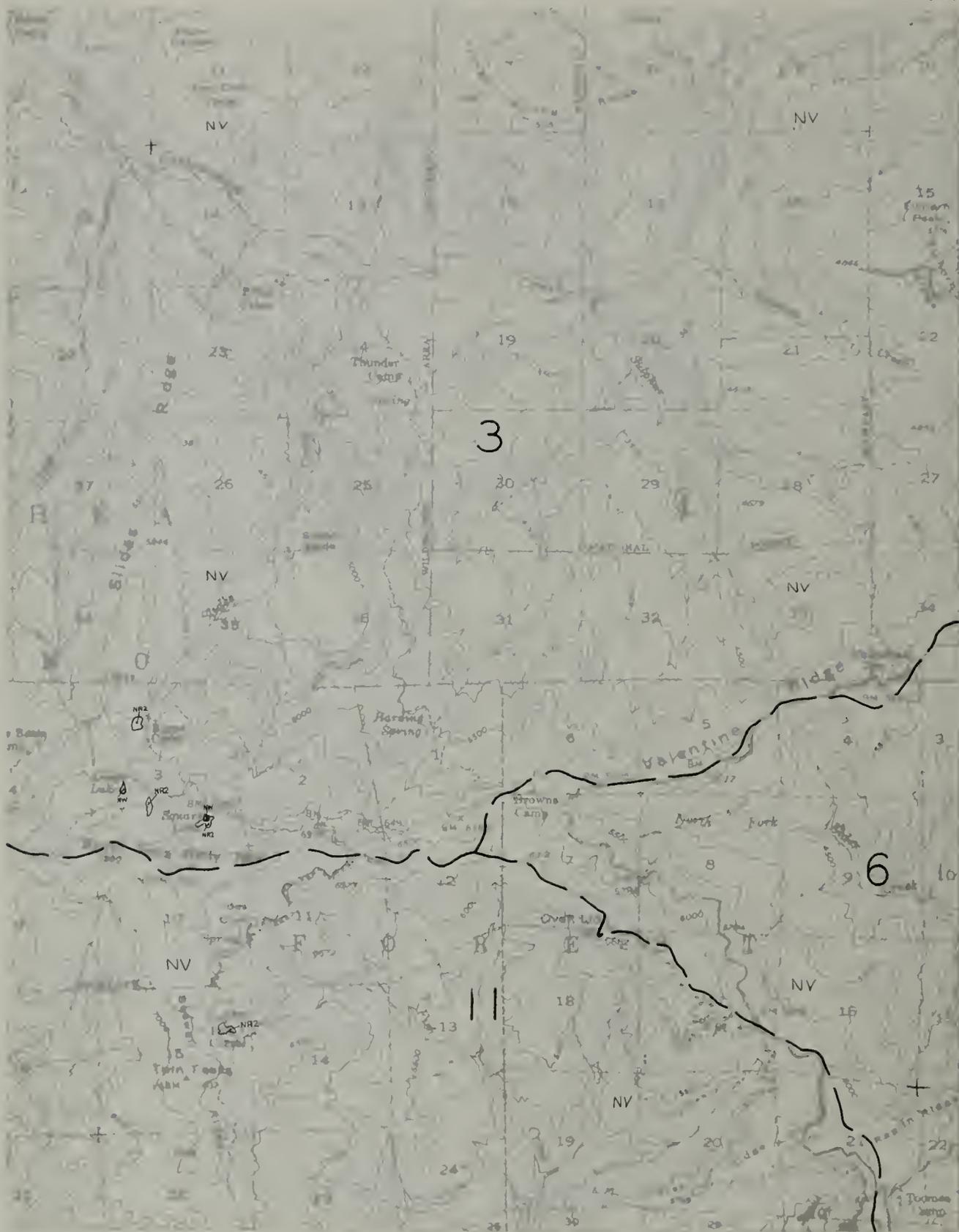


T26N  
T25N

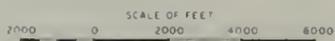
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SCALE OF FEET  
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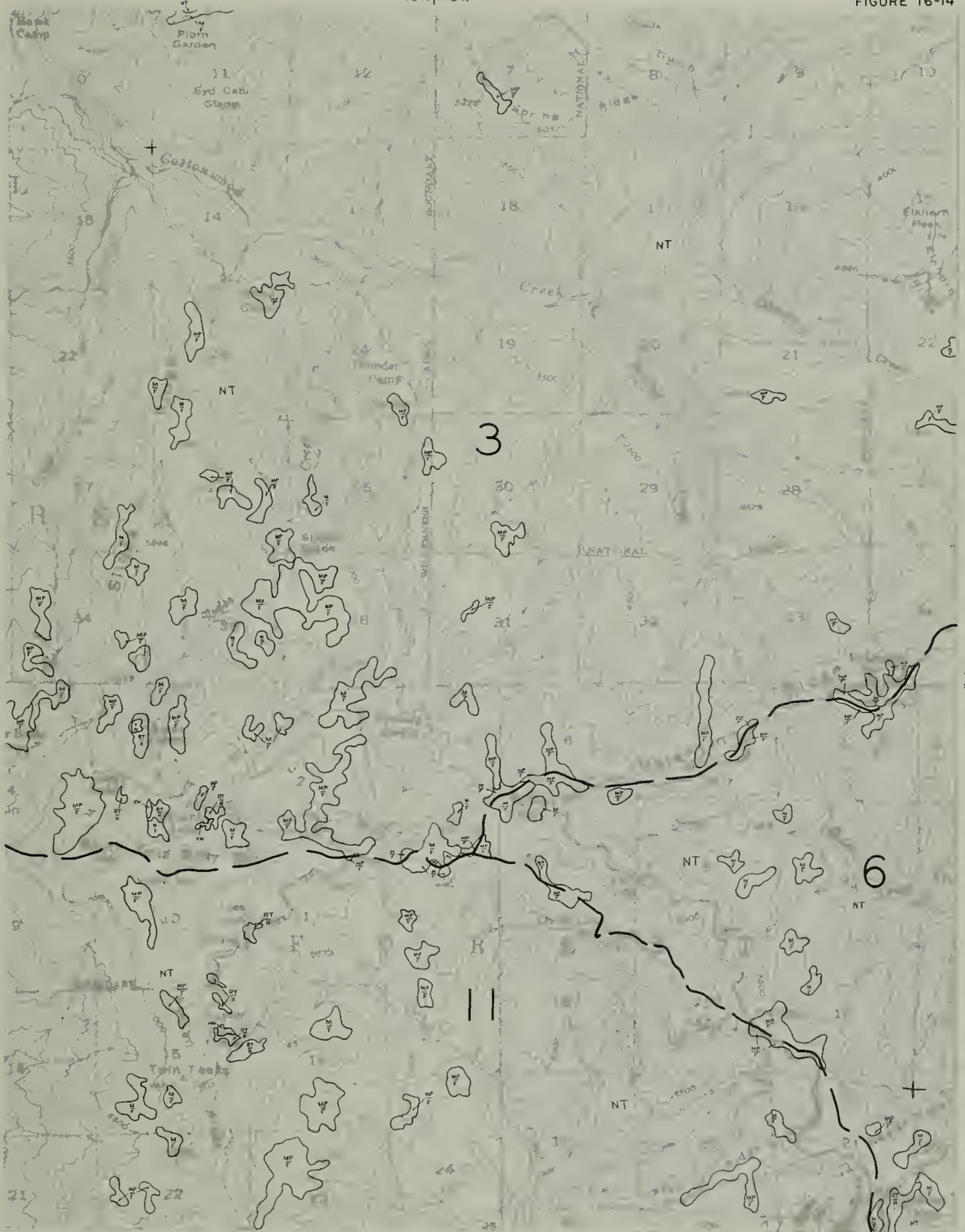
SW 1/4 YOLLA BOLLY QUADRANGLE  
CLASSIFICATION OF LANDS  
1961



T26N  
T25N



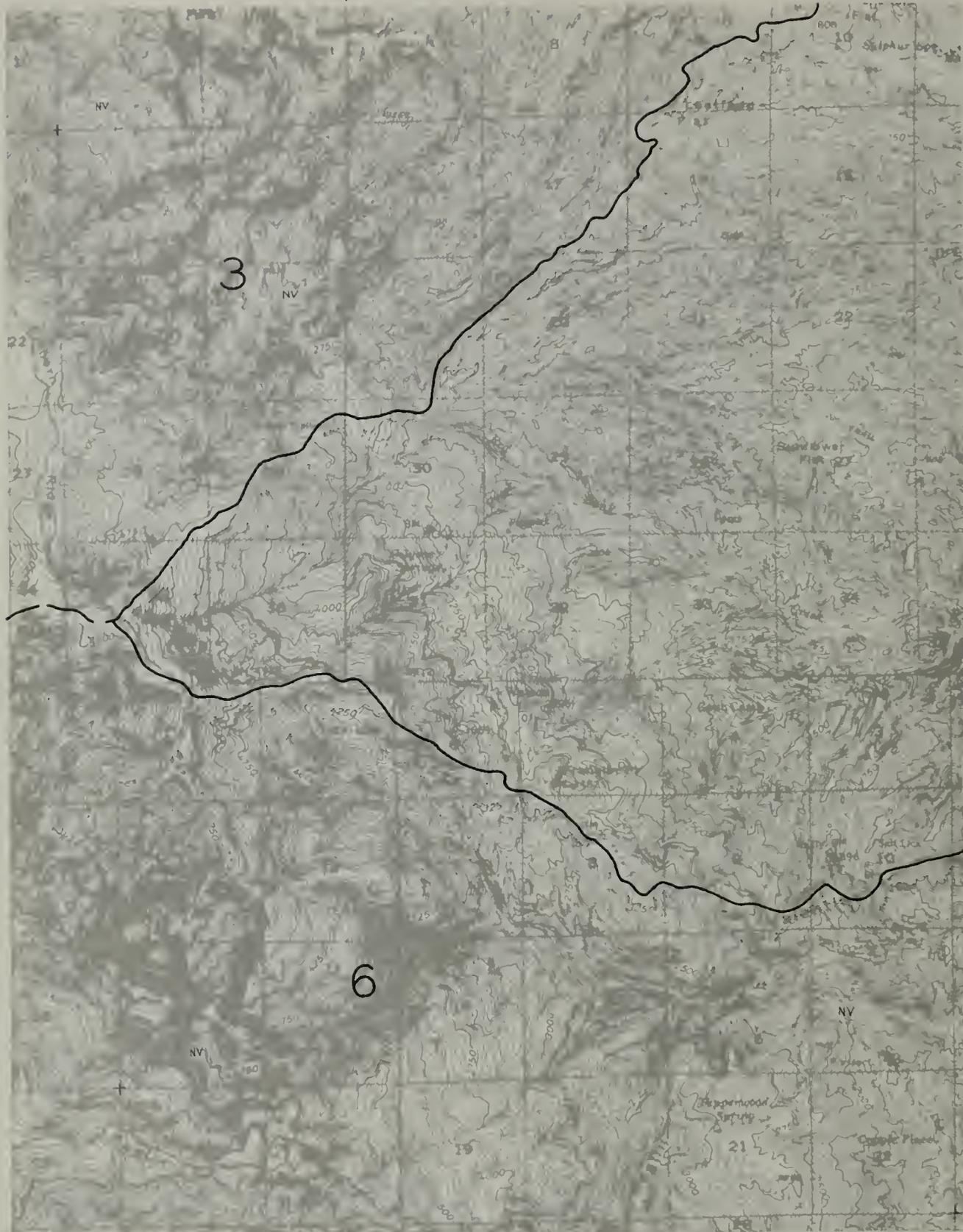
SE 1/4 YOLLA BOLLY QUADRANGLE  
 LAND AND WATER USE  
 1959



T26N  
T25N

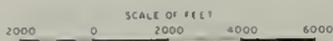
SCALE OF FEET  
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SE 1/4 YOLLA BOLLY QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961

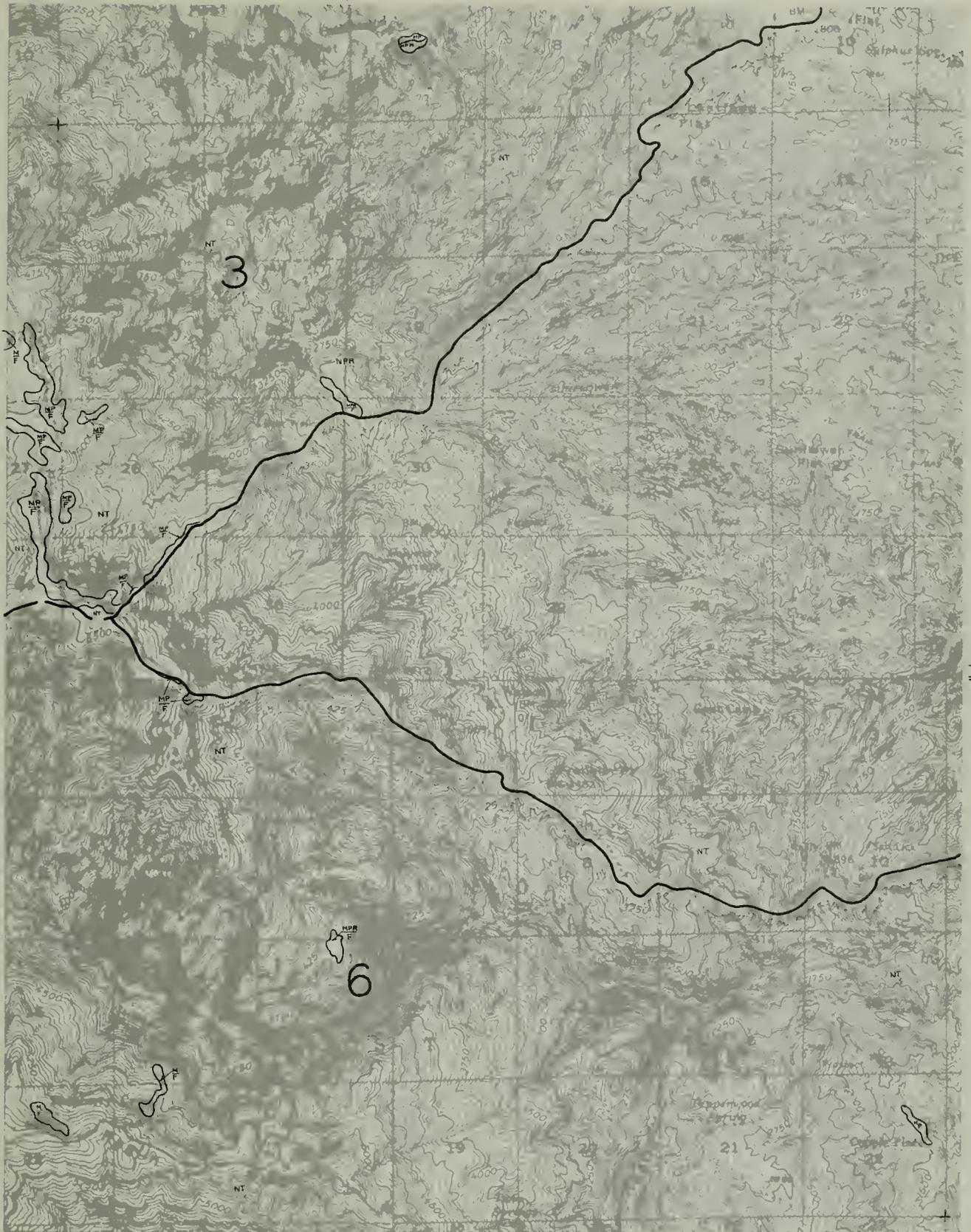


T26N  
T25N

122°45'



SW 1/4 COLYEAR SPRINGS QUADRANGLE  
 LAND AND WATER USE  
 1959

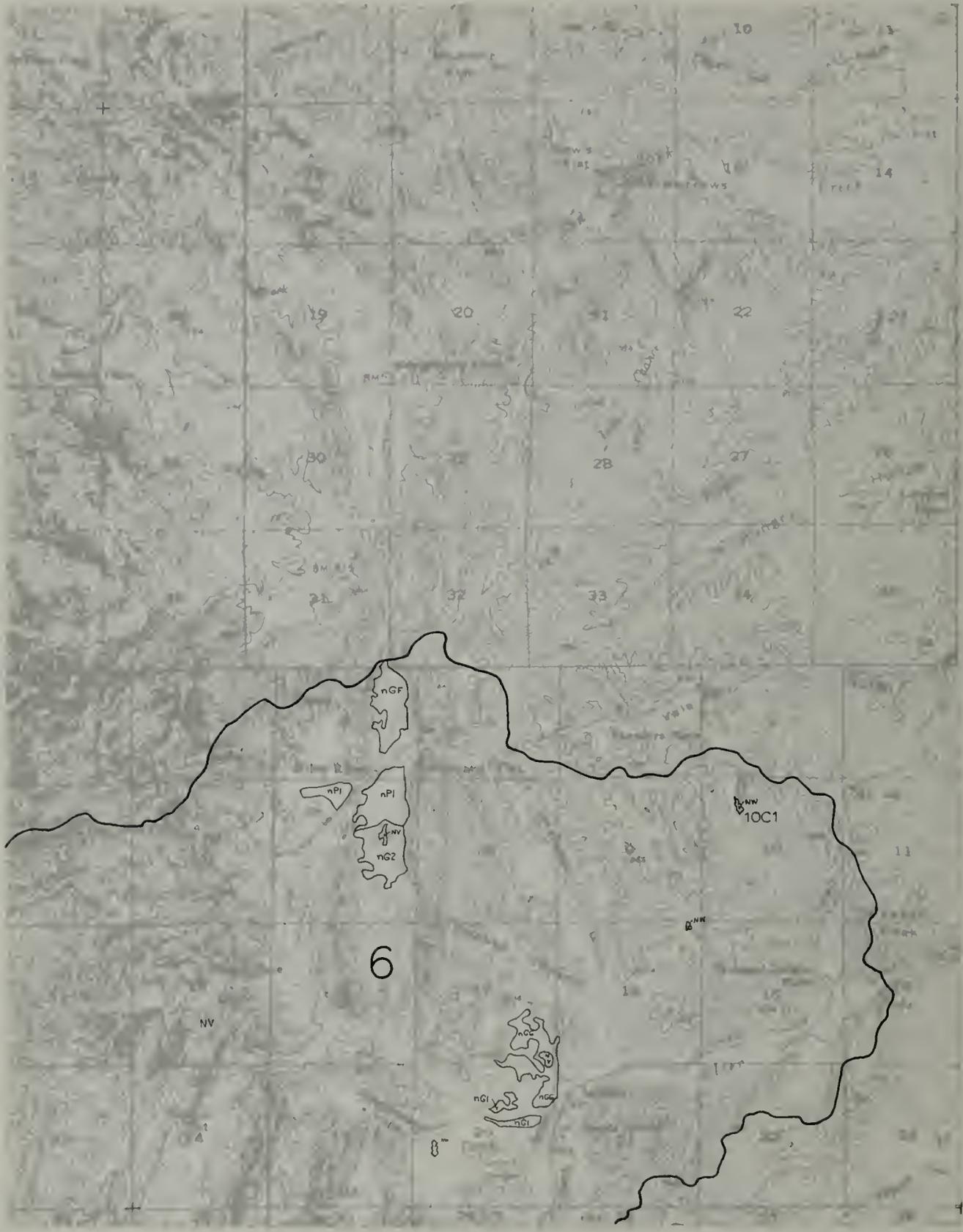


T26N  
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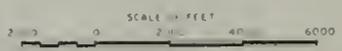
10°00'  
122°45'



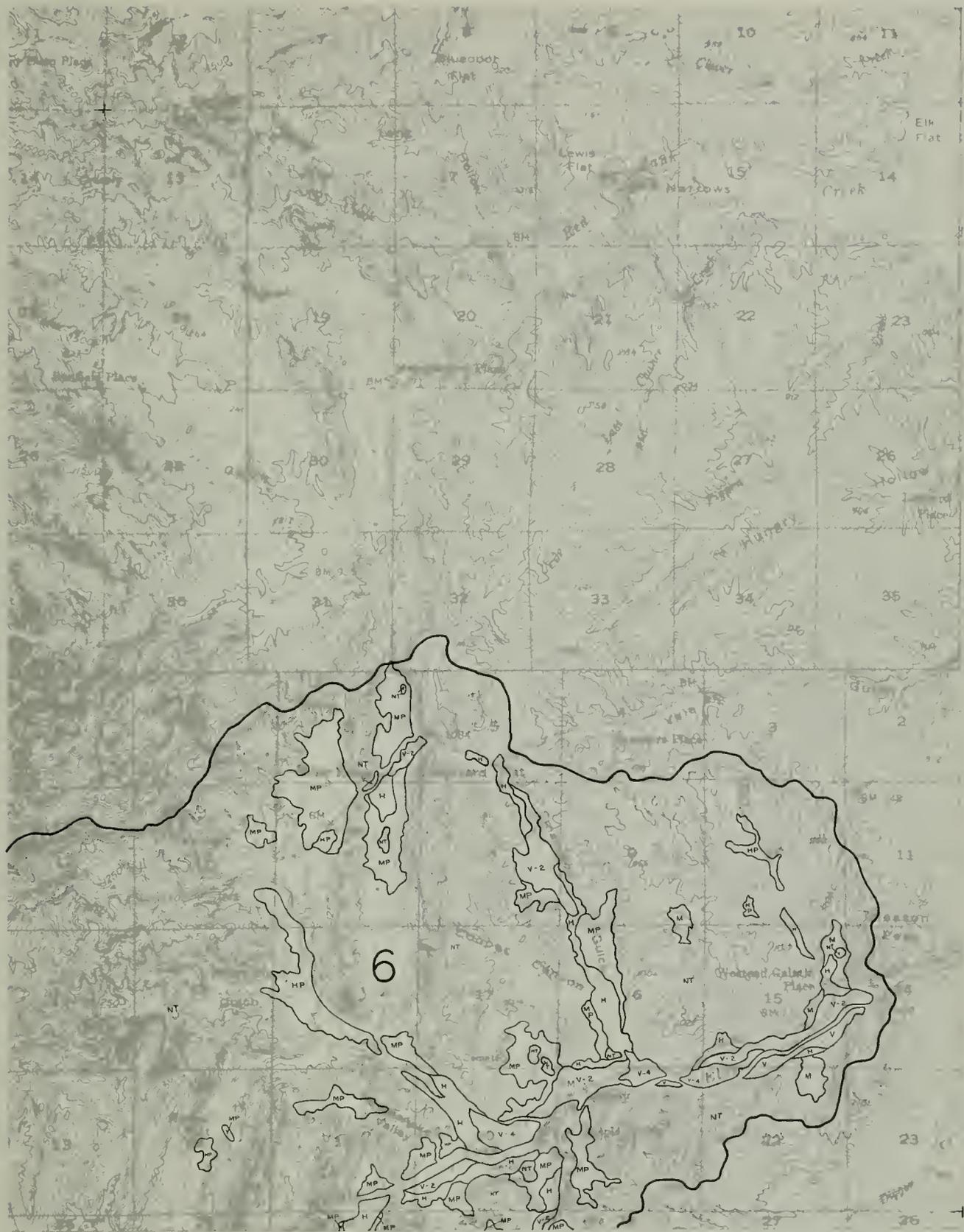
SW 1/4 COLYEAR SPRINGS QUADRANGLE  
CLASSIFICATION OF LANDS  
1961



T26N  
T25N



SE 1/4 COLYEAR SPRINGS QUADRANGLE  
 LAND AND WATER USE  
 1959



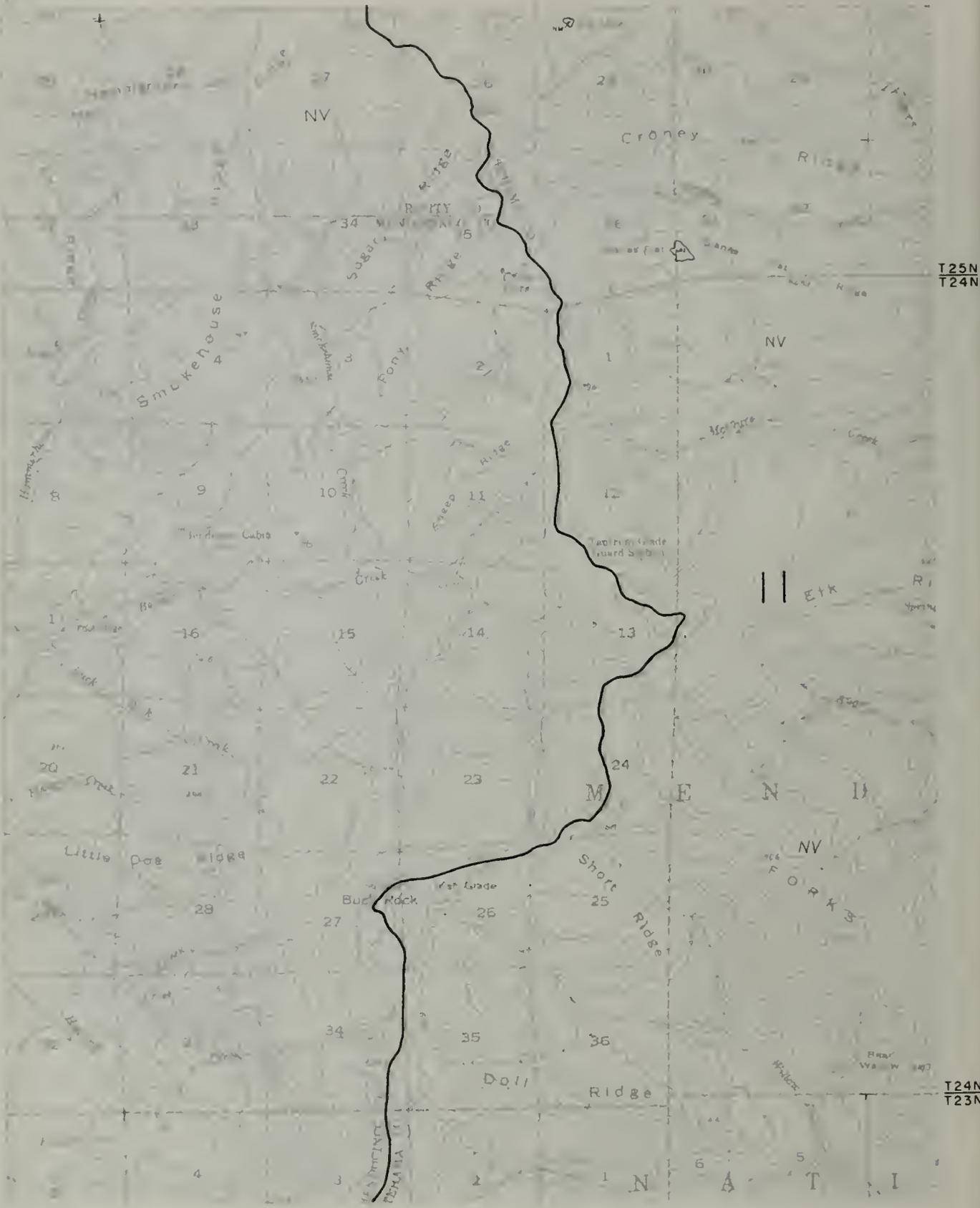
T26N  
T25N

SE 1/4 COLYEAR SPRINGS QUADRANGLE

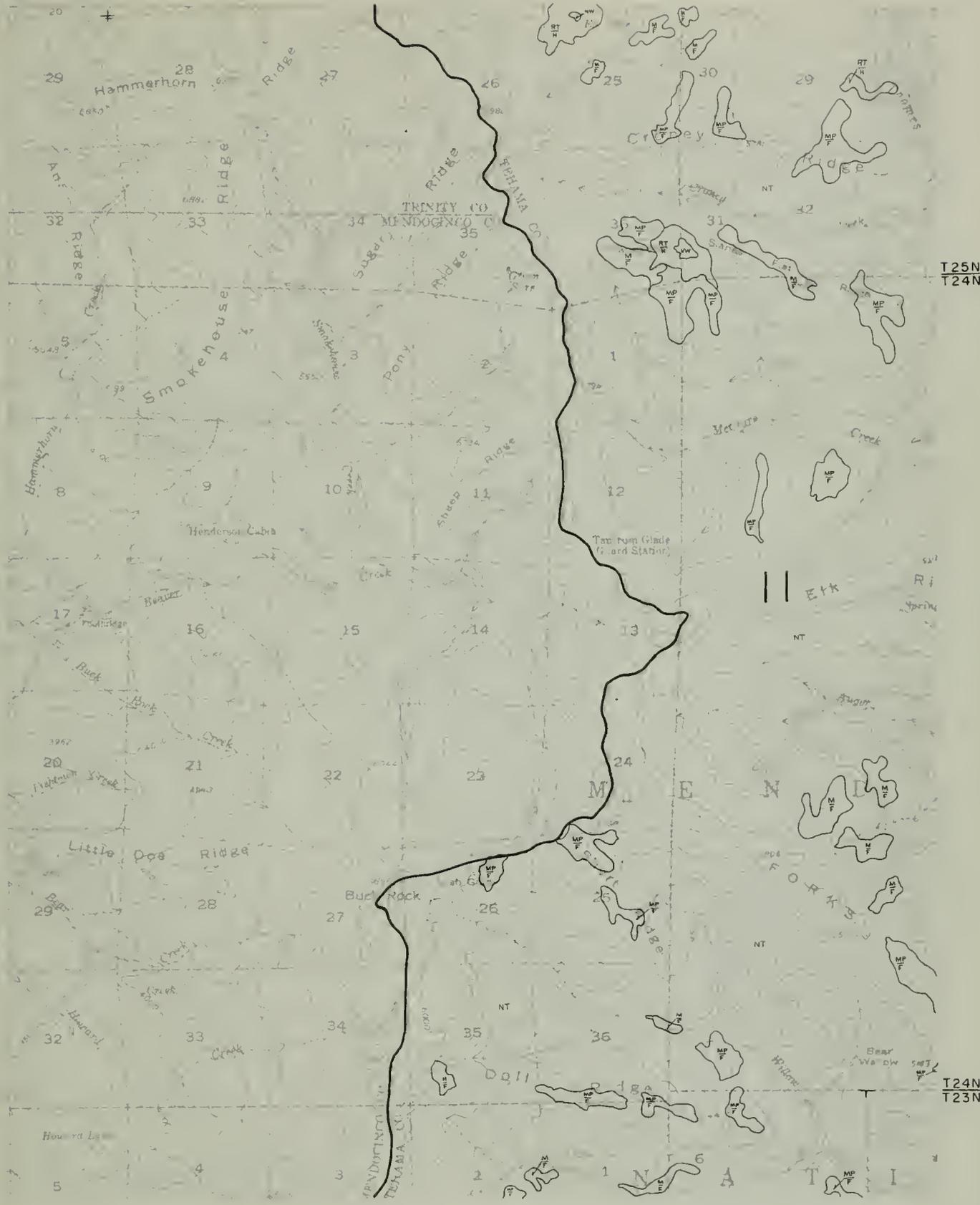
CLASSIFICATION OF LANDS

1961





NW 1/4 ANTHONY PEAK QUADRANGLE  
LAND AND WATER USE  
1959

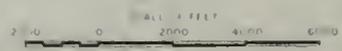


NW 1/4 ANTHONY PEAK QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961

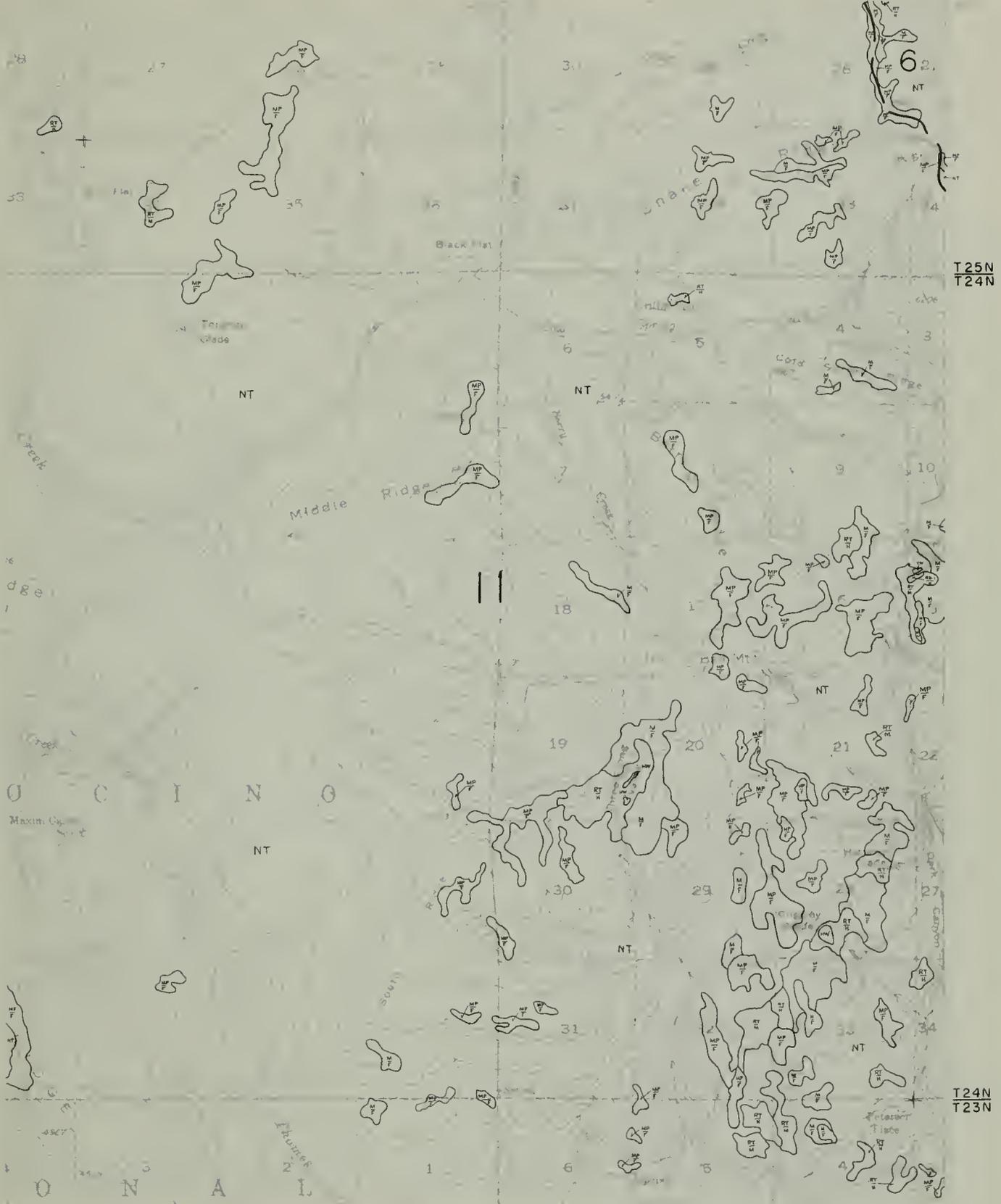


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T24N

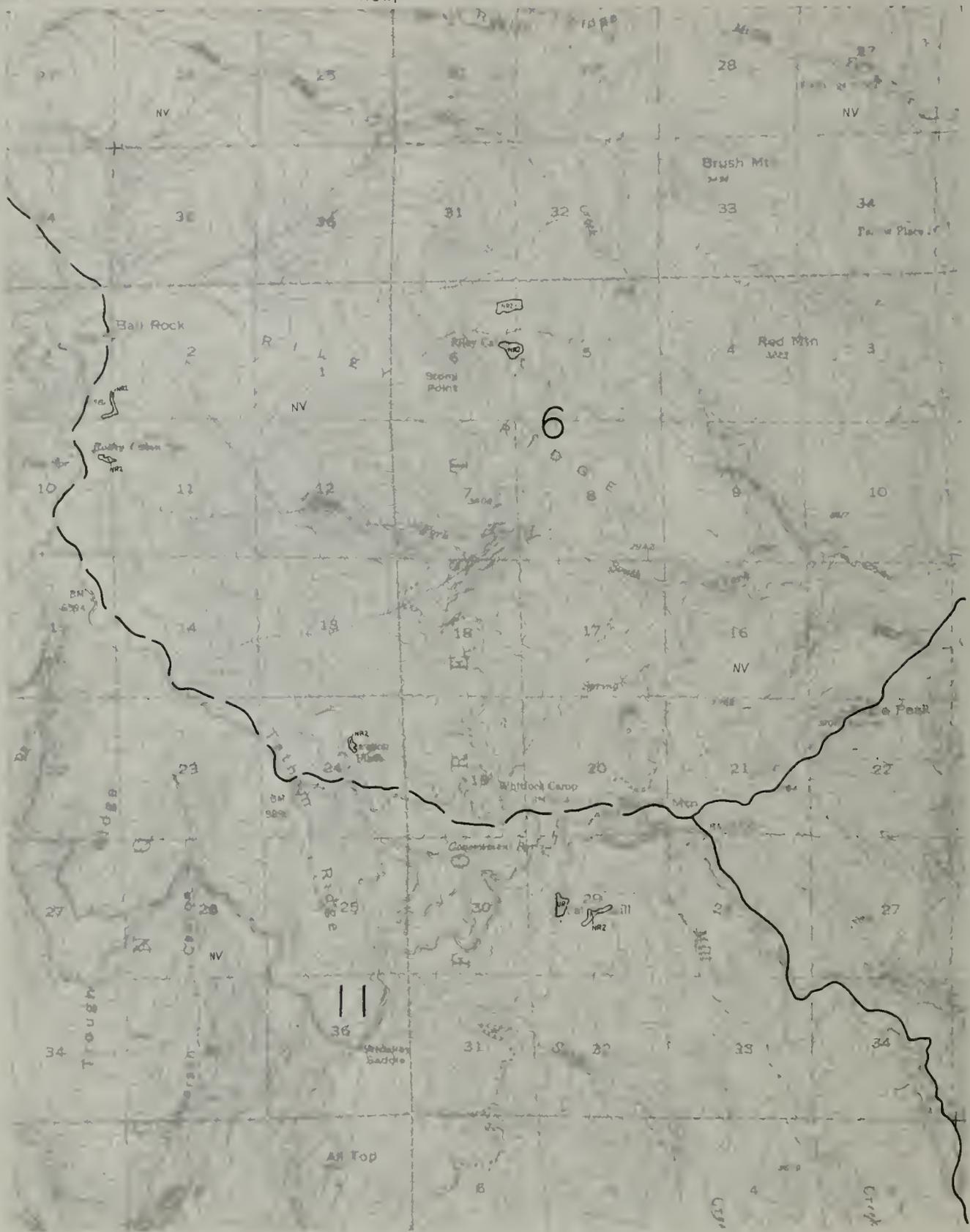
T24N  
T23N



NE 1/4 ANTHONY PEAK QUADRANGLE  
 LAND AND WATER USE  
 1959



NE 1/4 ANTHONY PEAK QUADRANGLE  
CLASSIFICATION OF LANDS  
1961



T25N

T24N

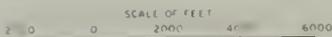
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T23N

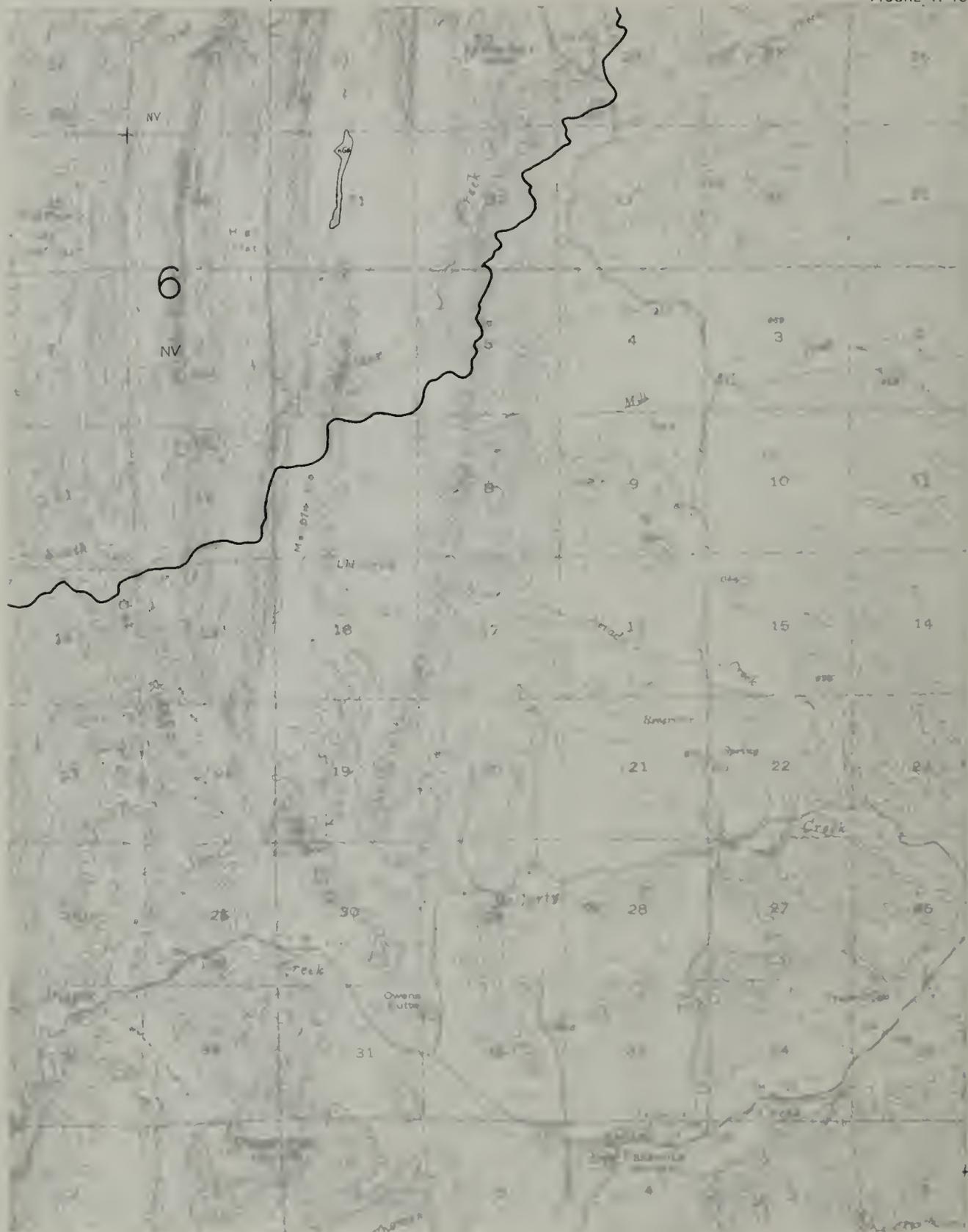
NW 1/4 PASKENTA QUADRANGLE

LAND AND WATER USE

1959





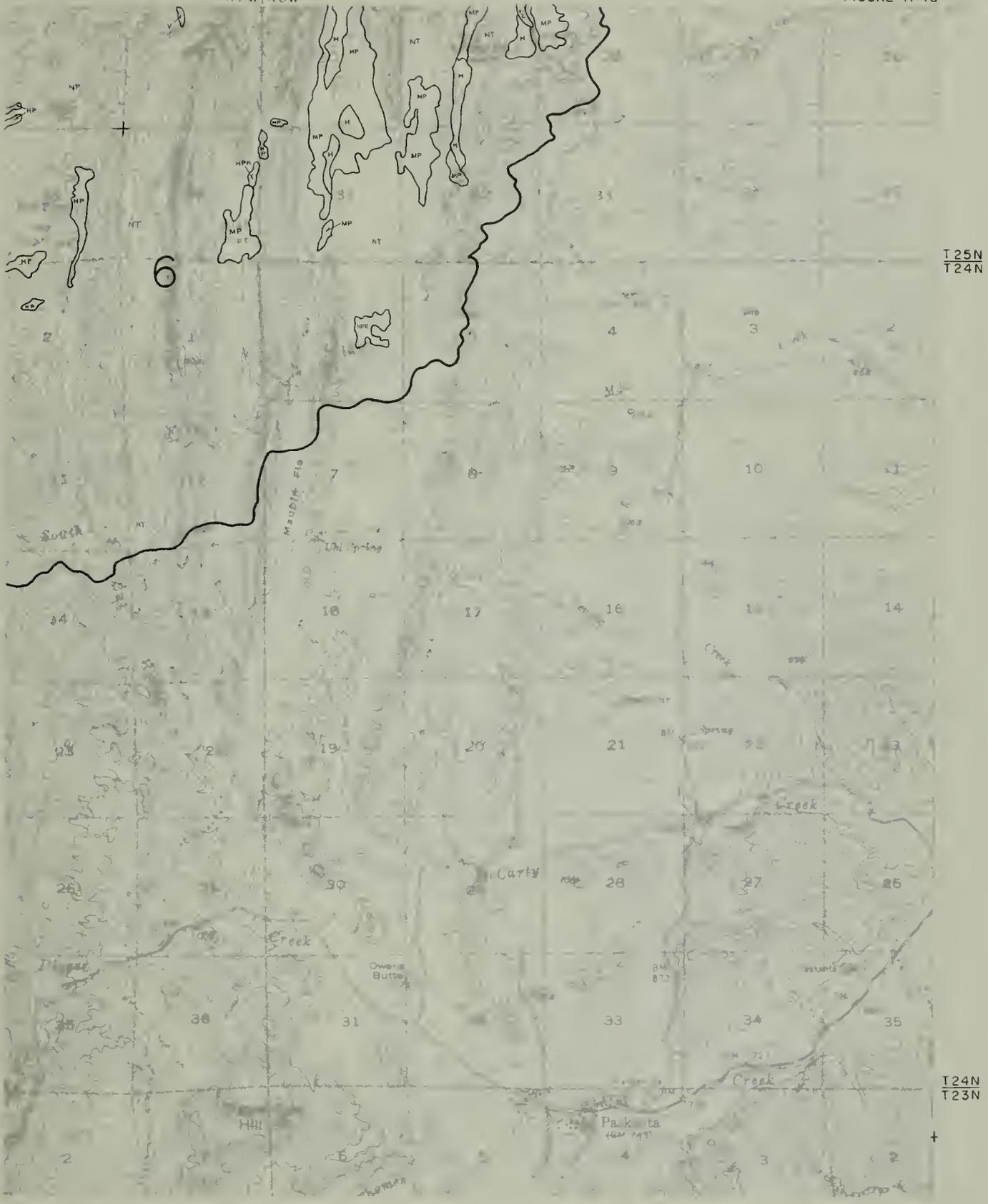


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T24N

T24N  
T23N

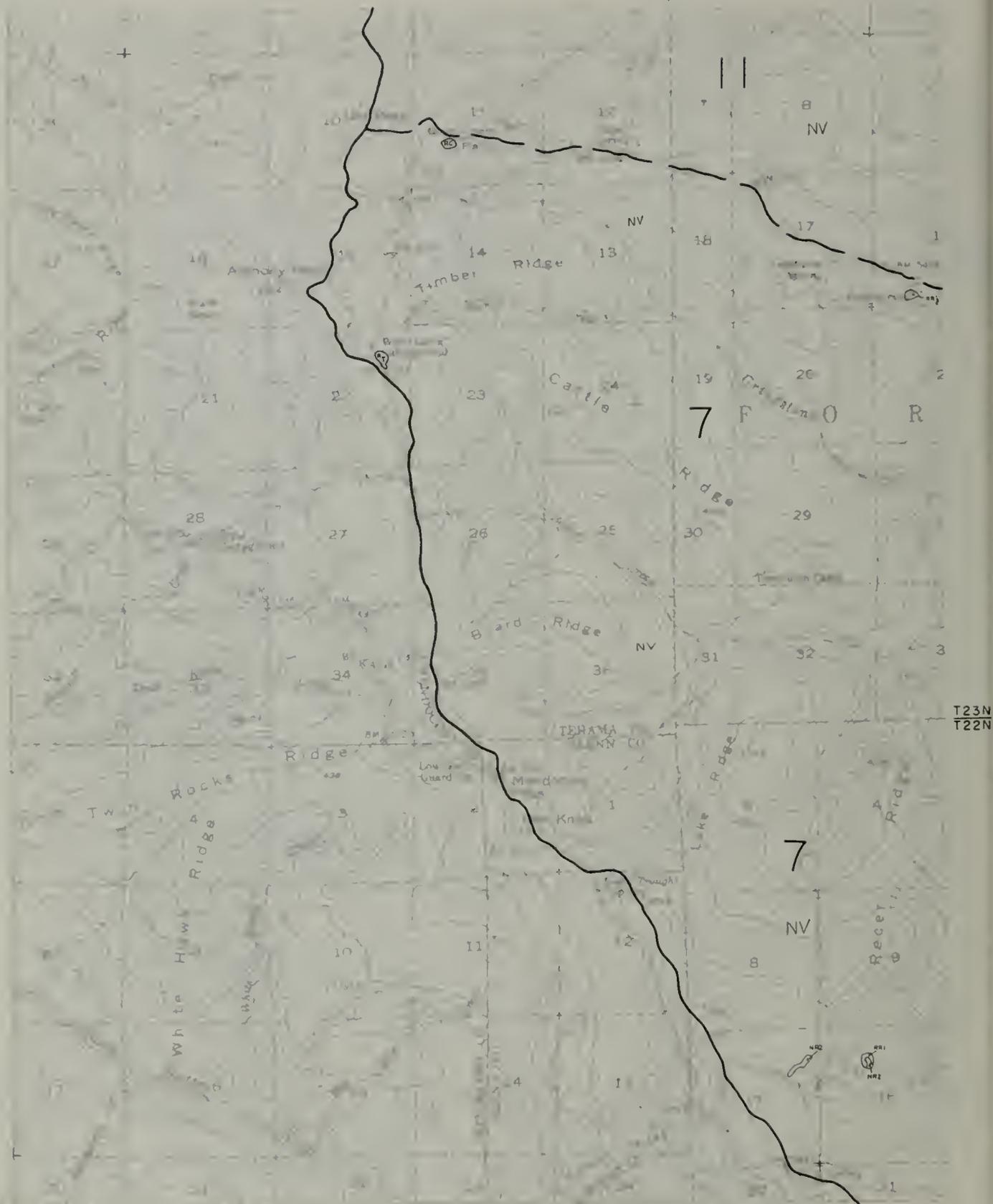
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NE 1/4 PASKENTA QUADRANGLE  
LAND AND WATER USE  
1959

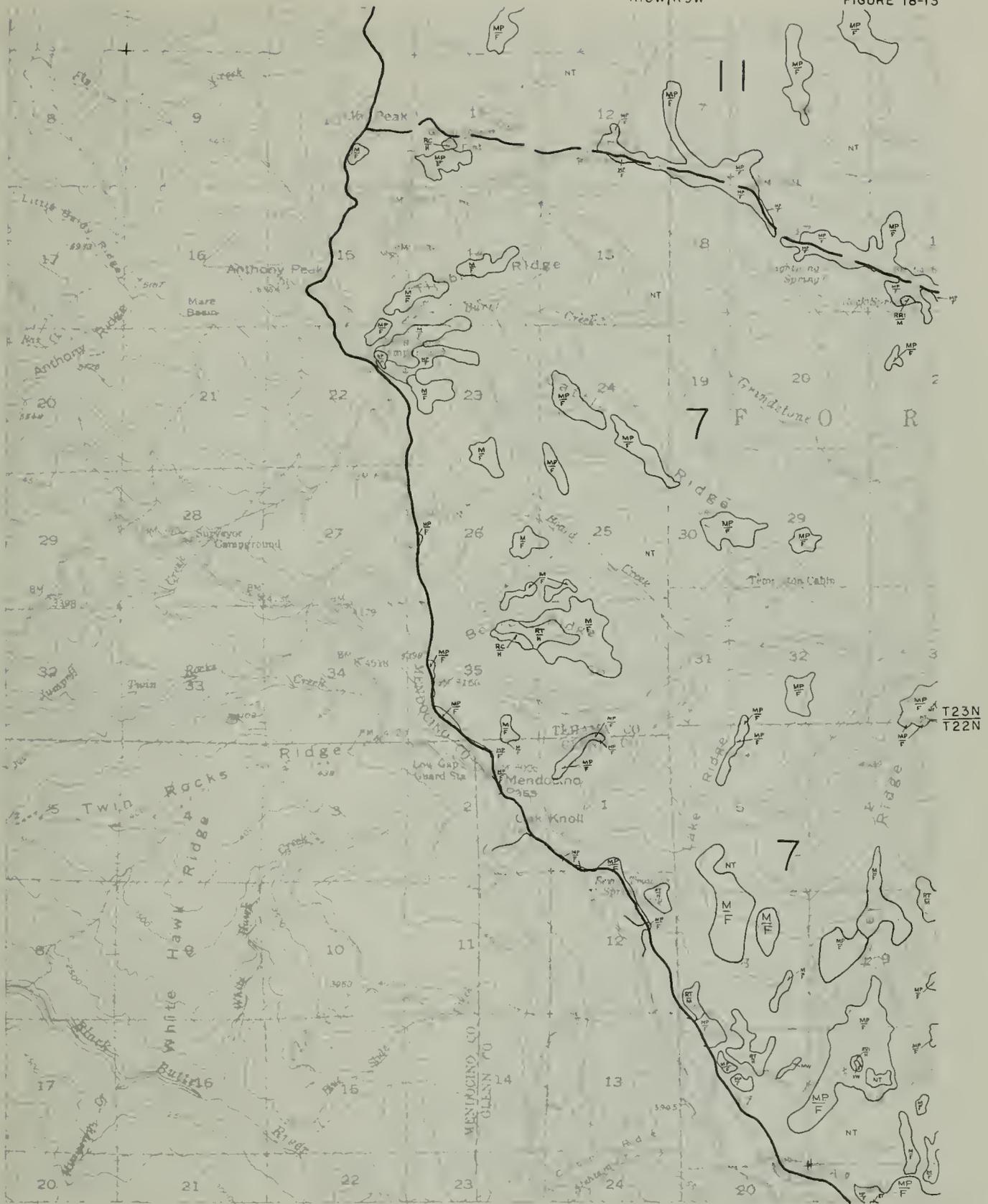


SCALE OF FEET  
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NE 1/4 PASKENTA QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



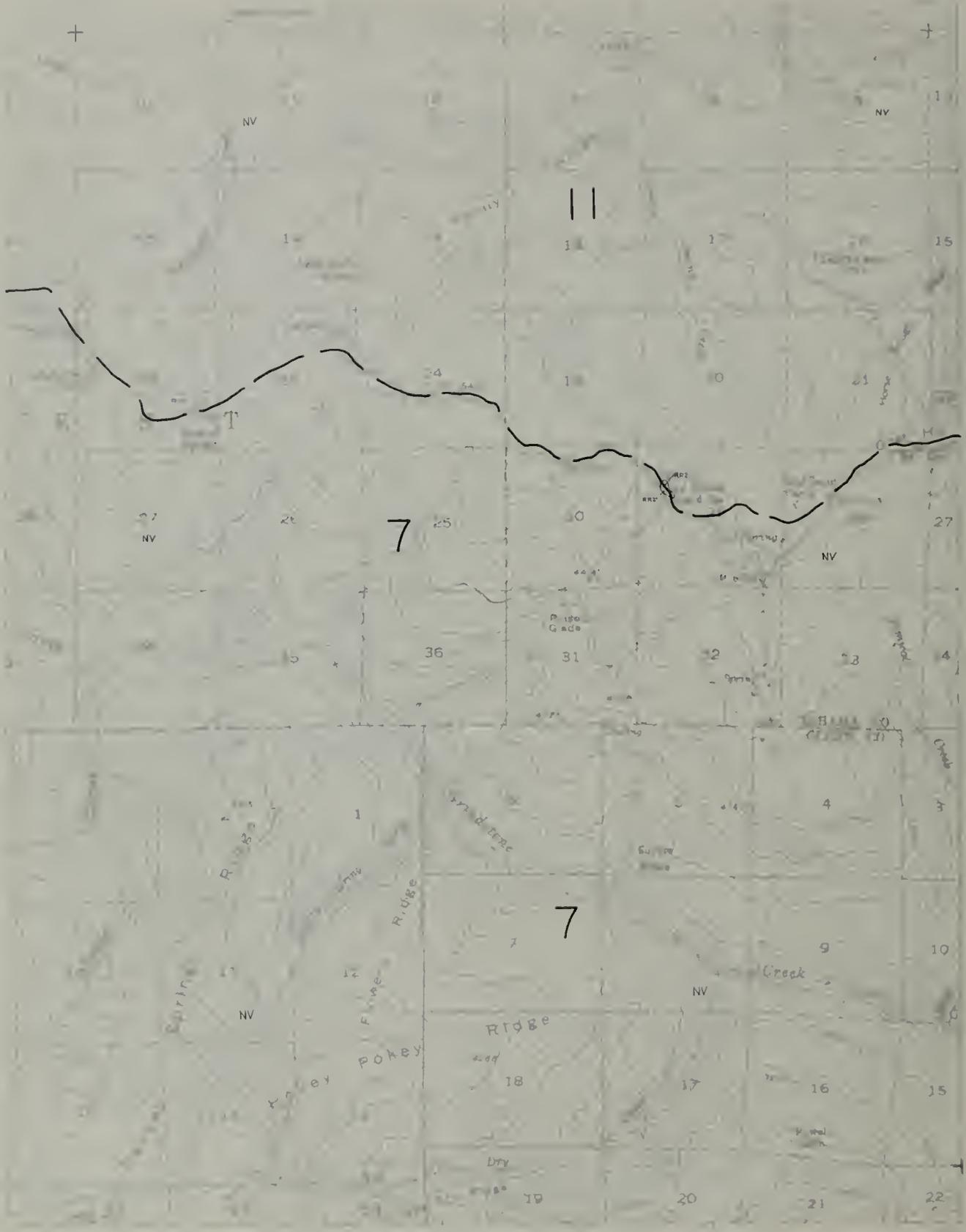
SW 1/4 ANTHONY PEAK QUADRANGLE  
 LAND AND WATER USE  
 1959



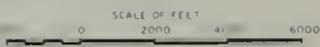
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SCALE OF FEET  
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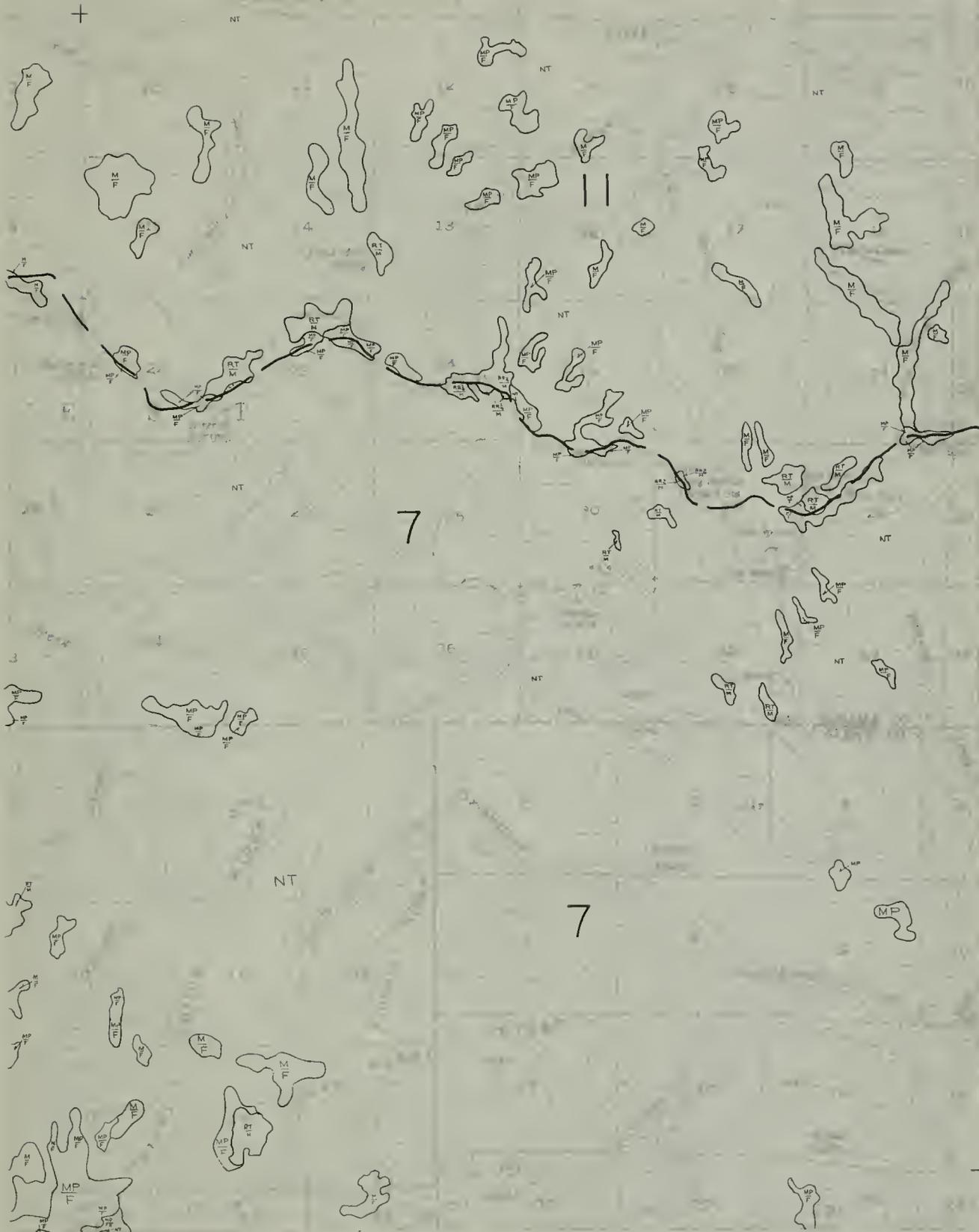
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CLASSIFICATION OF LANDS  
1961



T23N  
T22N

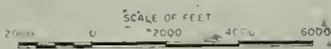


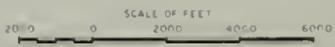
SE 1/4 ANTHONY PEAK QUADRANGLE  
 LAND AND WATER USE  
 1959



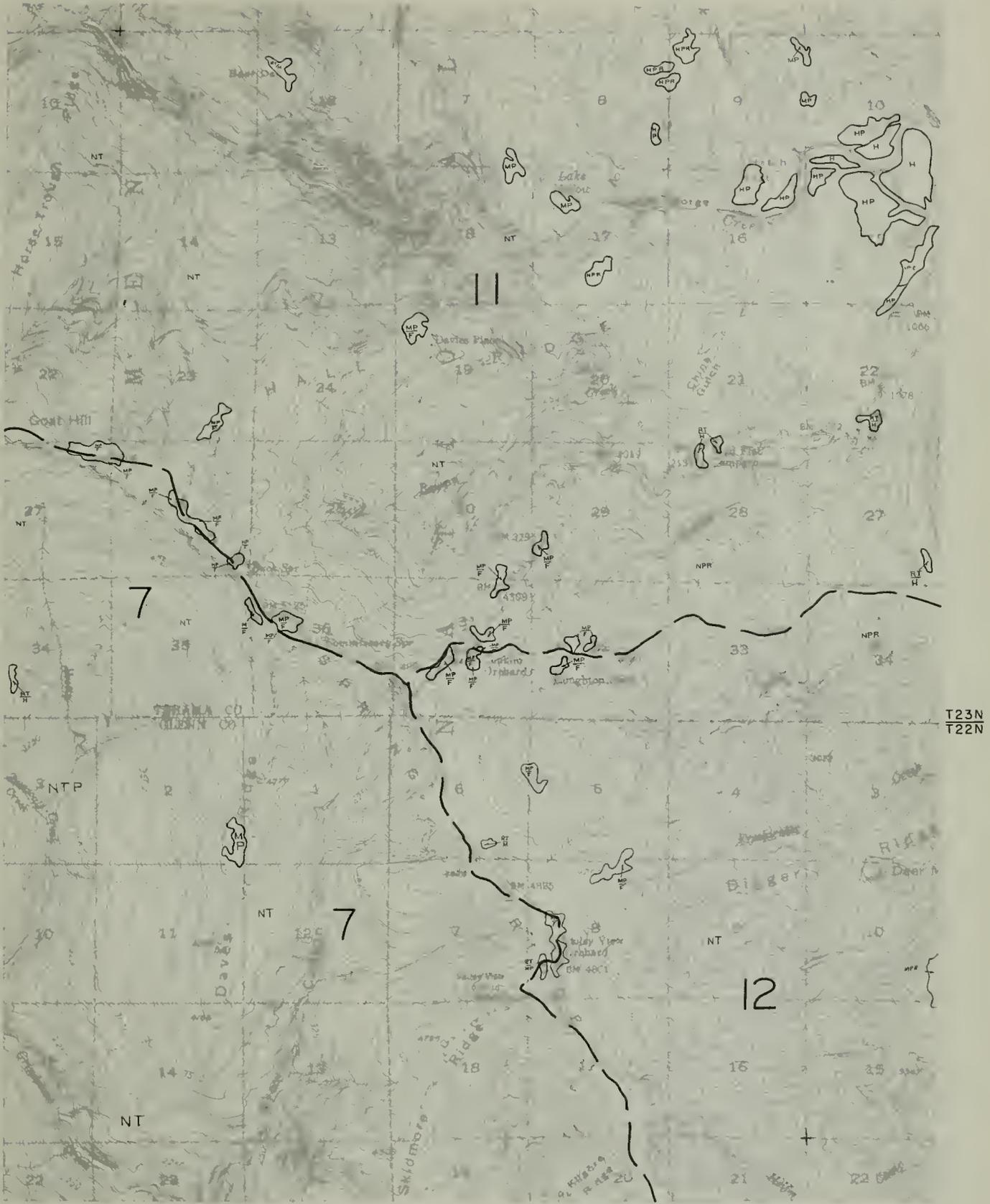
T23N  
T22N

SE 1/4 ANTHONY PEAK QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961





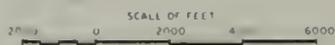
SW 1/4 PASKENTA QUADRANGLE  
 LAND AND WATER USE  
 1959



SW 1/4 PASKENTA QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



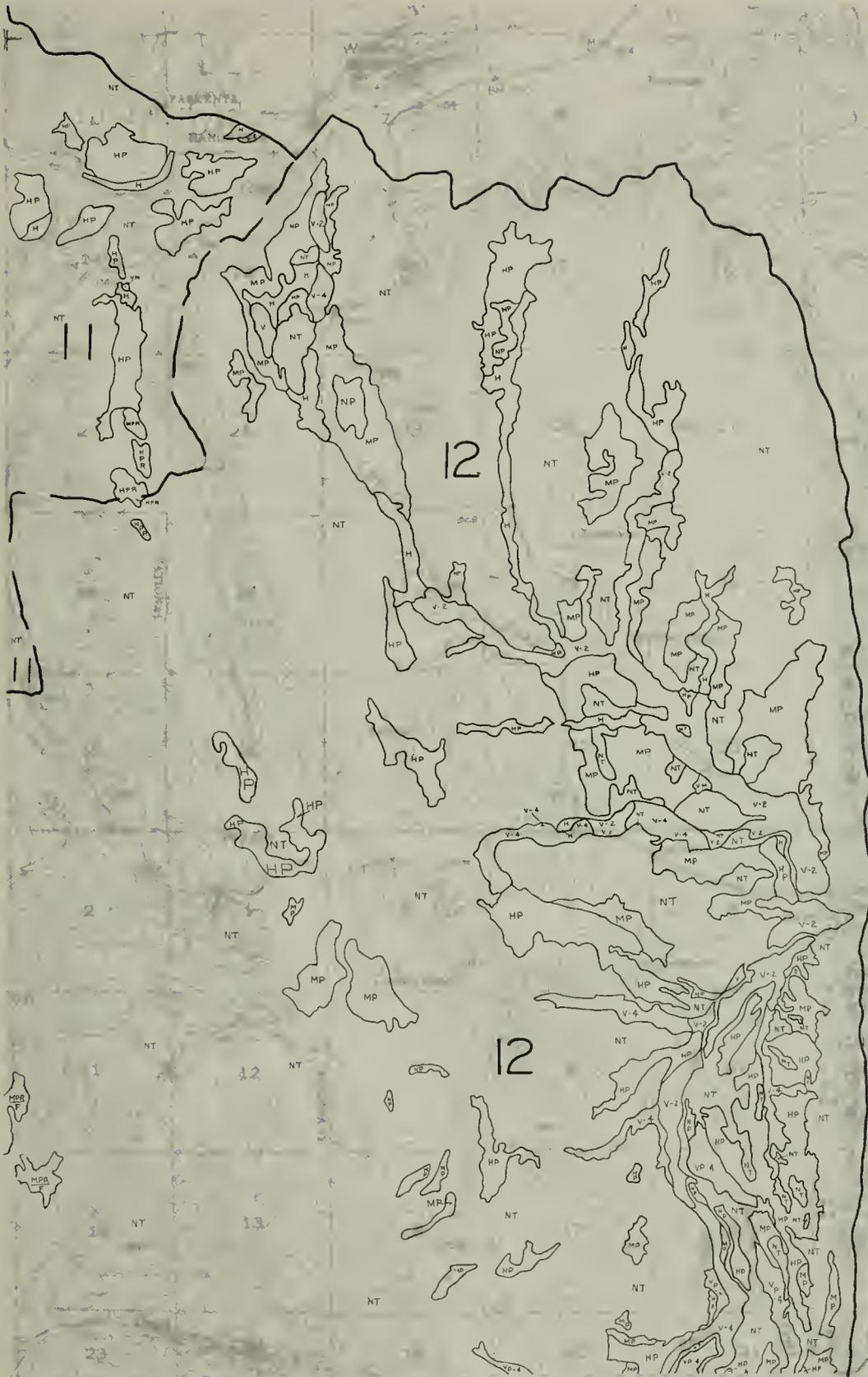
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T22N



SE 1/4 PASKENTA QUADRANGLE

LAND AND WATER USE

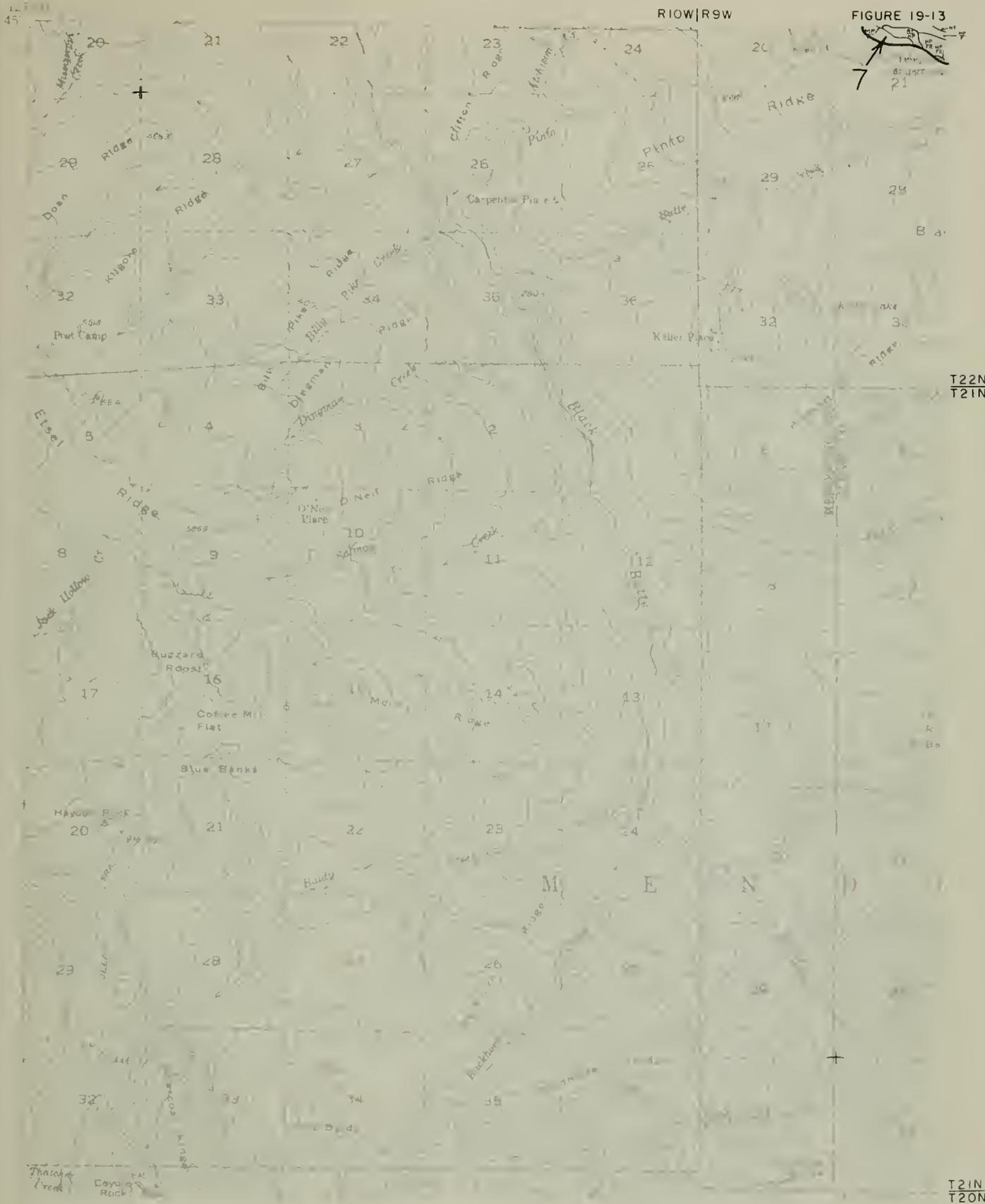
1959



SCALE OF FEET  
 2000 0 2000 4000 6000

SE 1/4 PASKENTA QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



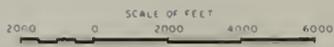
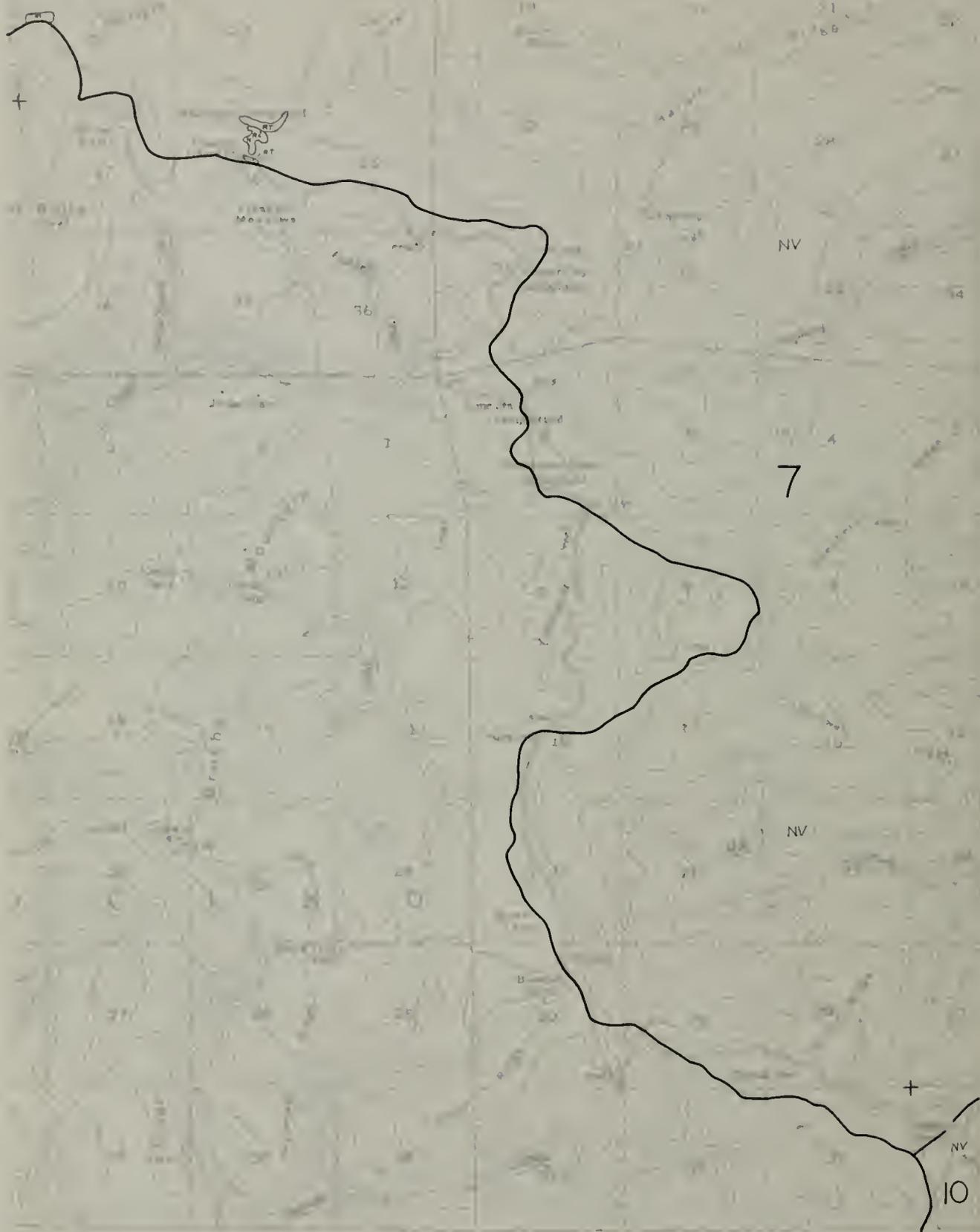


NW 1/4 HULL MOUNTAIN QUADRANGLE

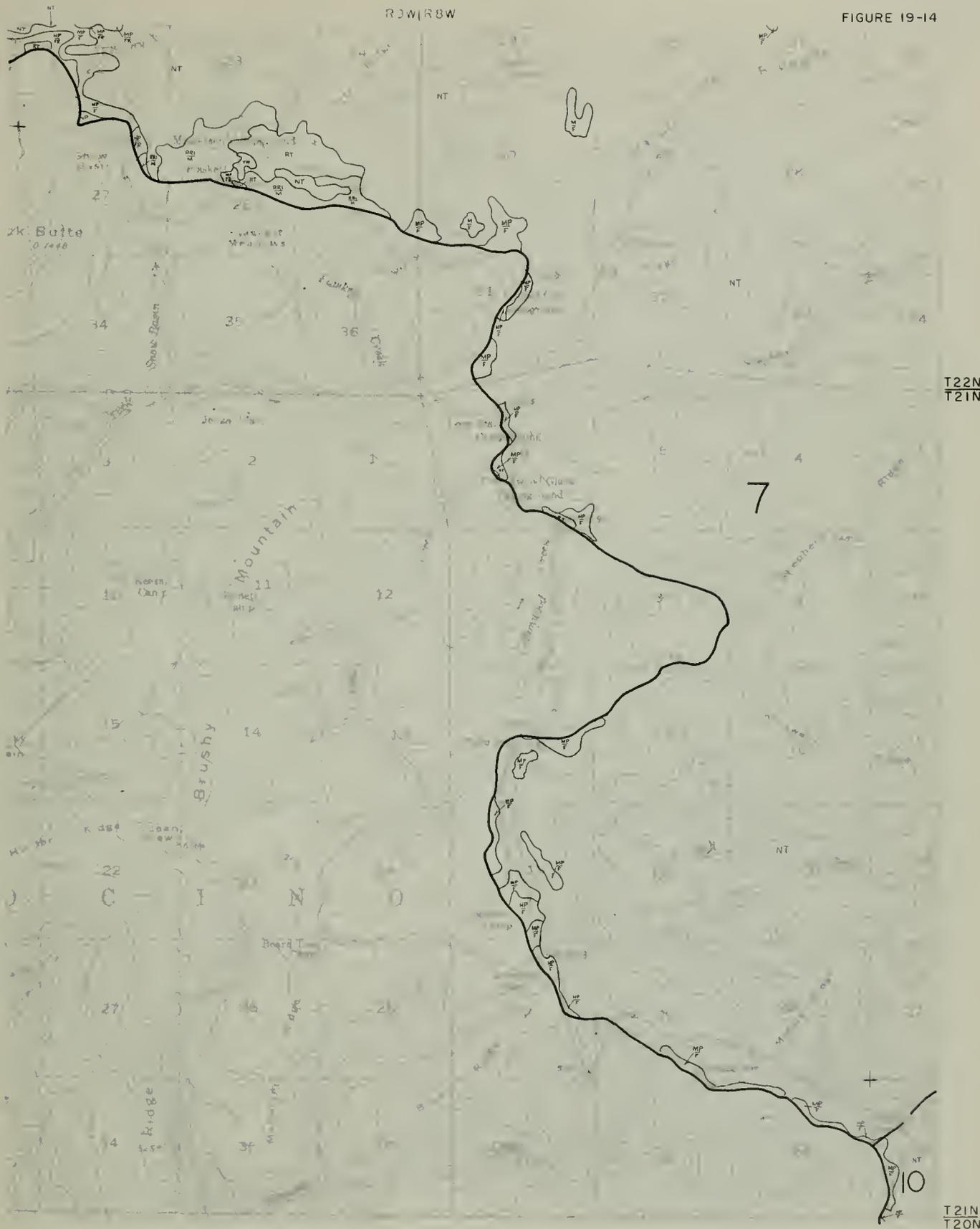
CLASSIFICATION OF LANDS

1961





NE 1/4 HULL MOUNTAIN QUADRANGLE  
 LAND AND WATER USE  
 1959



T22N  
T21N

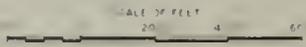
T21N  
T20N

SCALE OF FEET  
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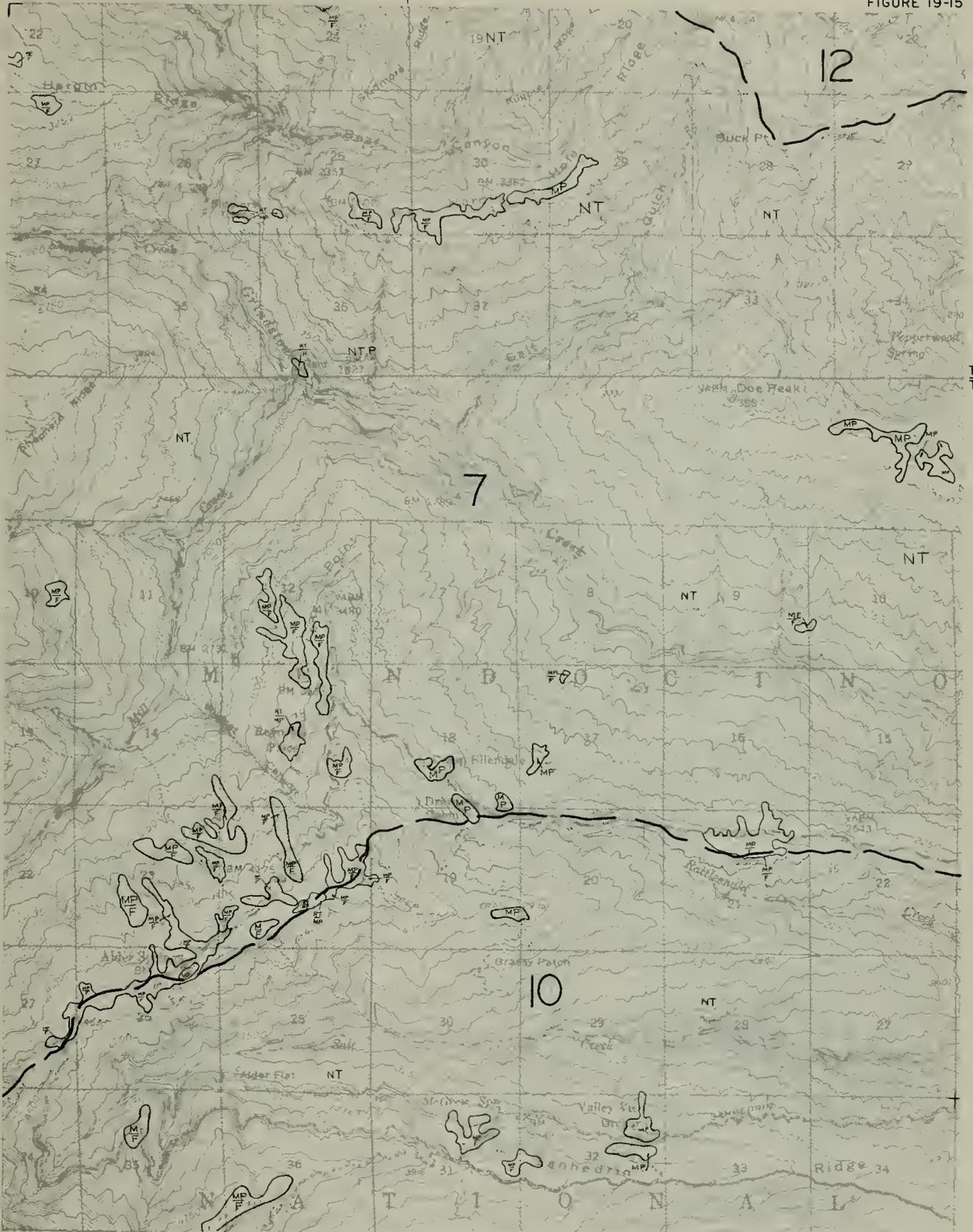
NE 1/4 HULL MOUNTAIN QUADRANGLE  
CLASSIFICATION OF LANDS  
1961



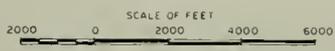
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T21N



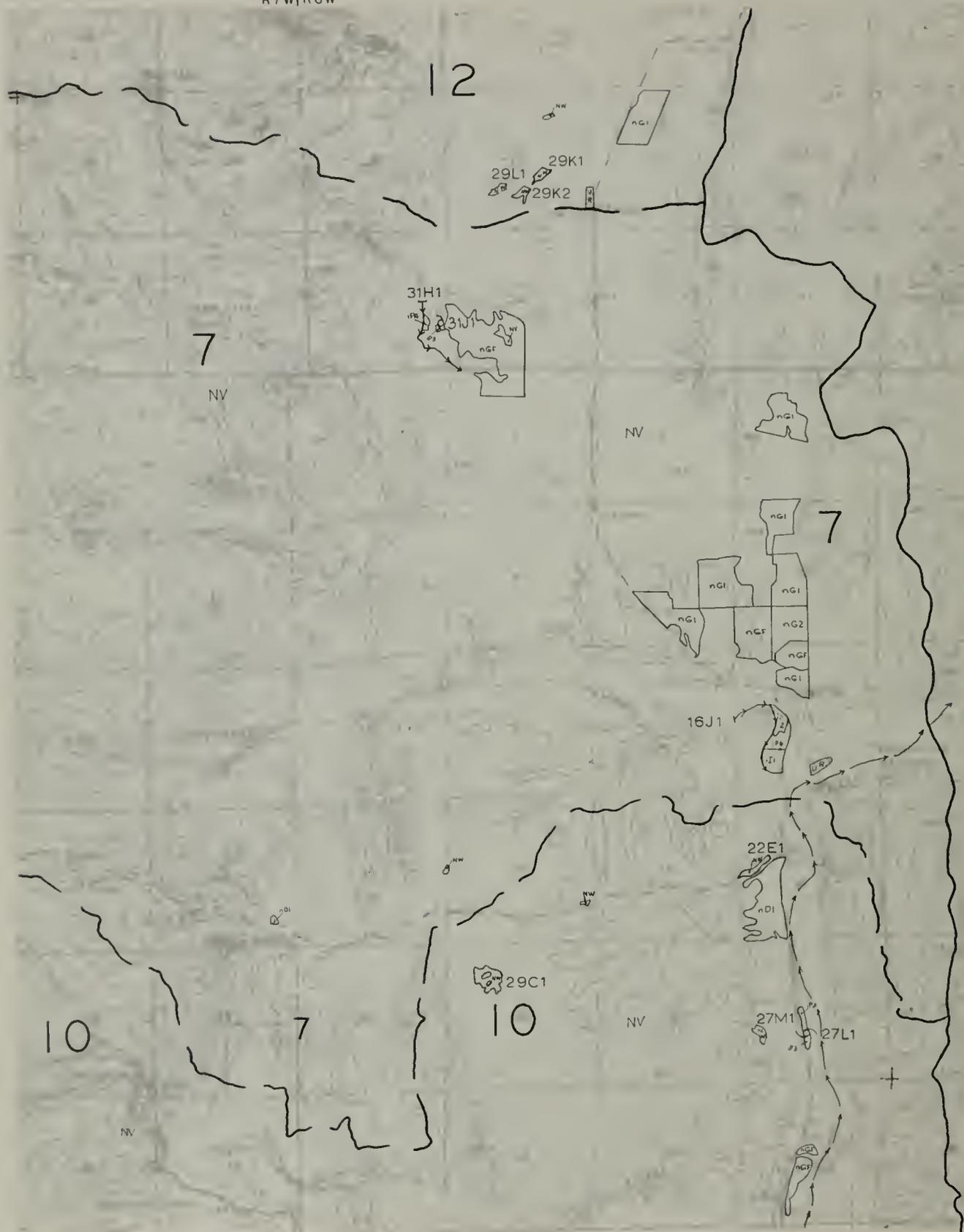
NW 1/4 ELK CREEK QUADRANGLE  
 LAND AND WATER USE  
 1959



T22N  
T21N



NW 1/4 ELK CREEK QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



T22N  
T21N

NE 1/4 ELK CREEK QUADRANGLE

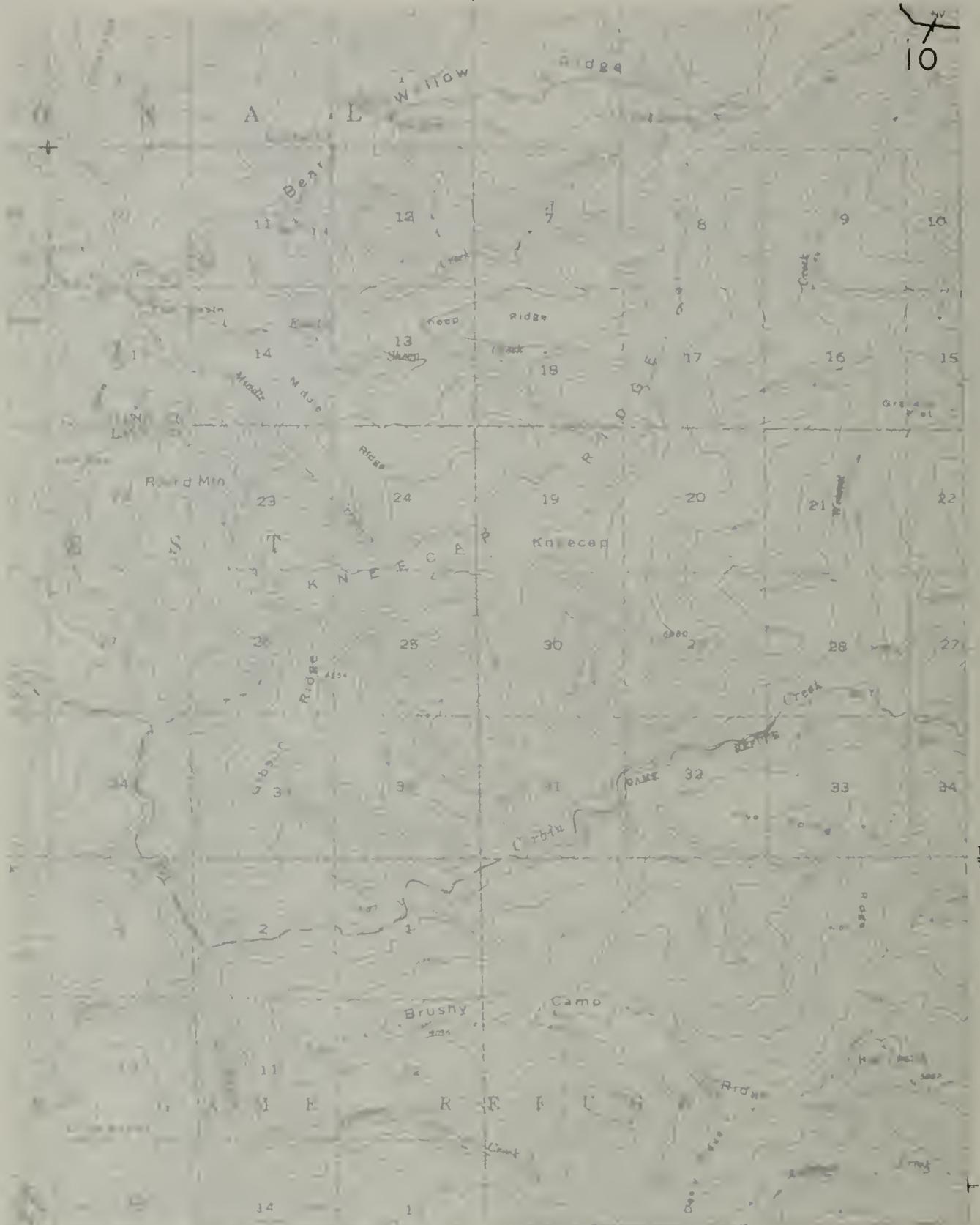
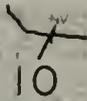
LAND AND WATER USE

1959

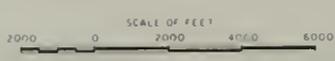


SCALE OF FEET  
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NE 1/4 ELK CREEK QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



T20N  
T19N

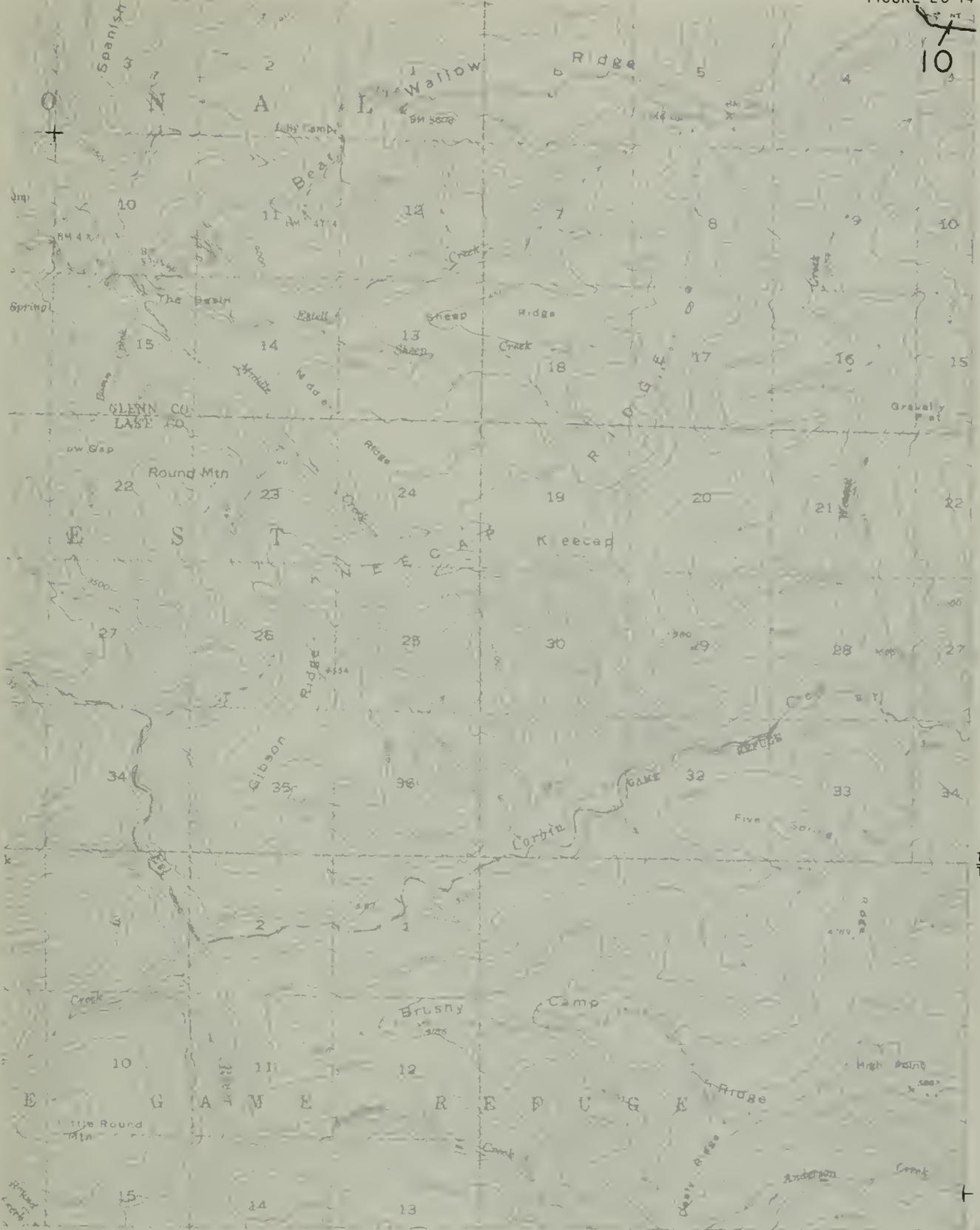


SE 1/4 HULL MOUNTAIN QUADRANGLE

LAND AND WATER USE

1959

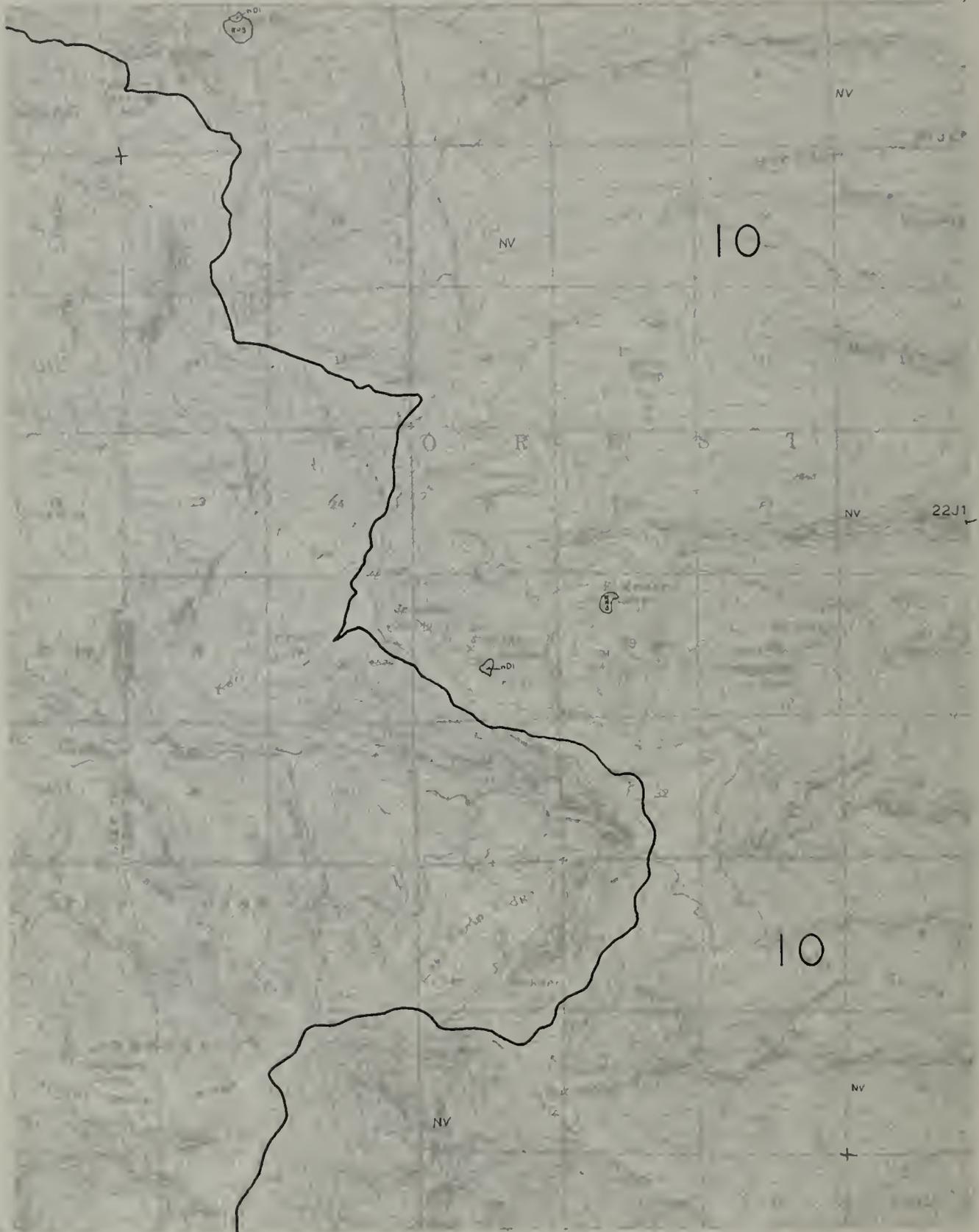
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T20N  
T19N

SCALE OF FEET  
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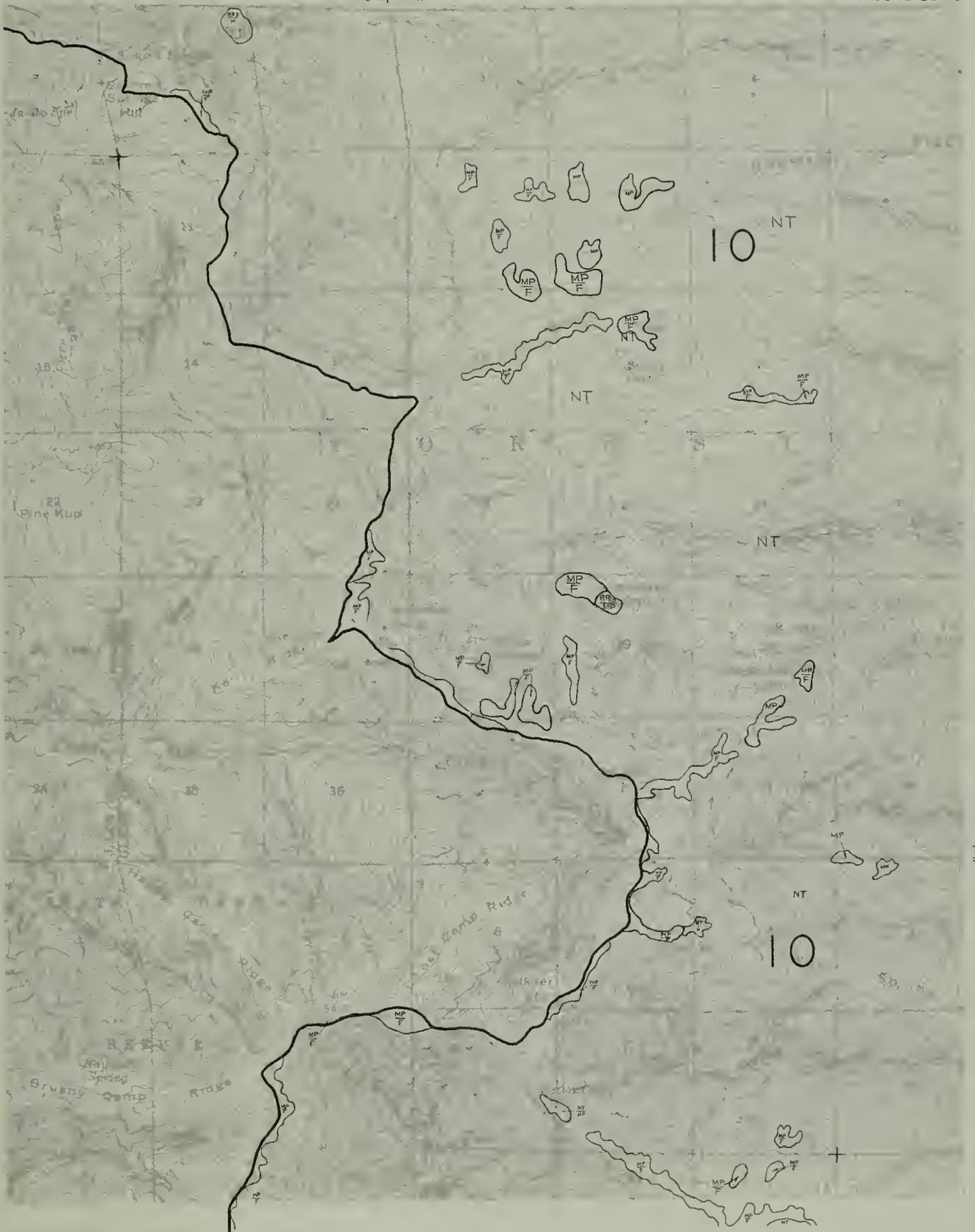
SE 1/4 HULL MOUNTAIN QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



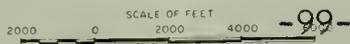
T20N  
T19N

SCALE OF FEET  
2000 0 2000 4000 6000

SW 1/4 ELK CREEK QUADRANGLE  
LAND AND WATER USE  
1959



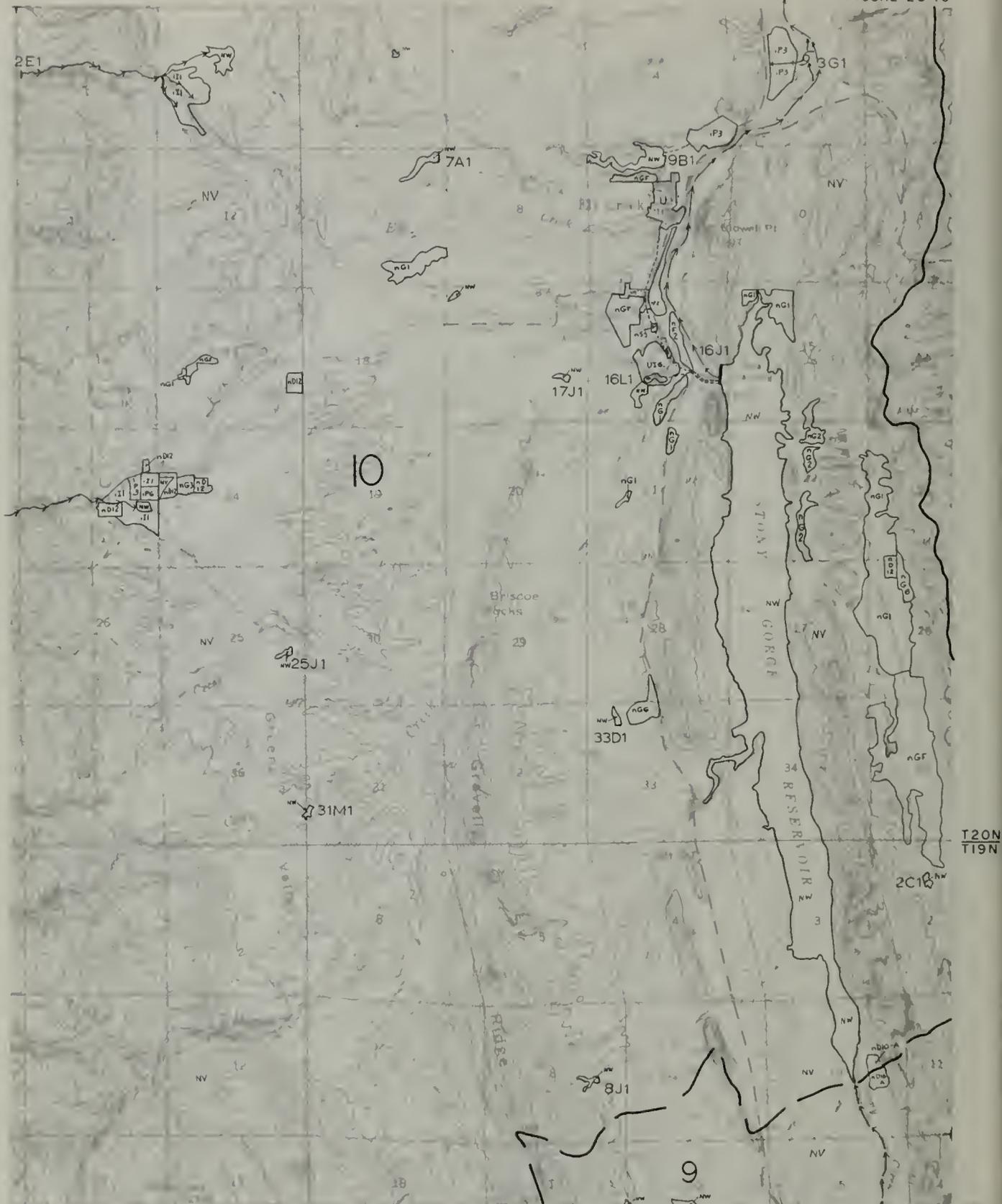
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T19N



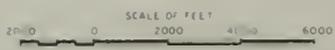
SW 1/4 ELK CREEK QUADRANGLE

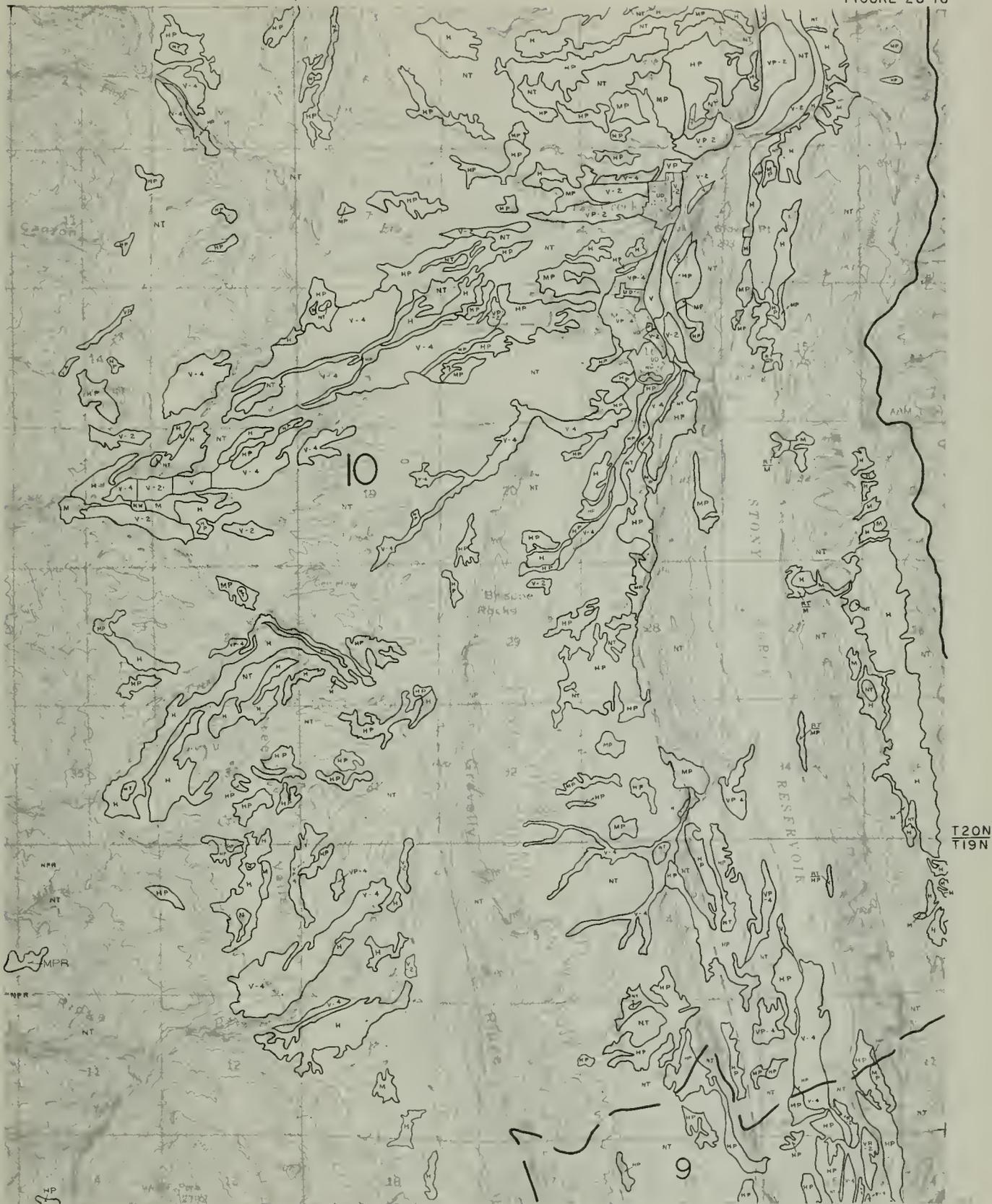
CLASSIFICATION OF LANDS

1961



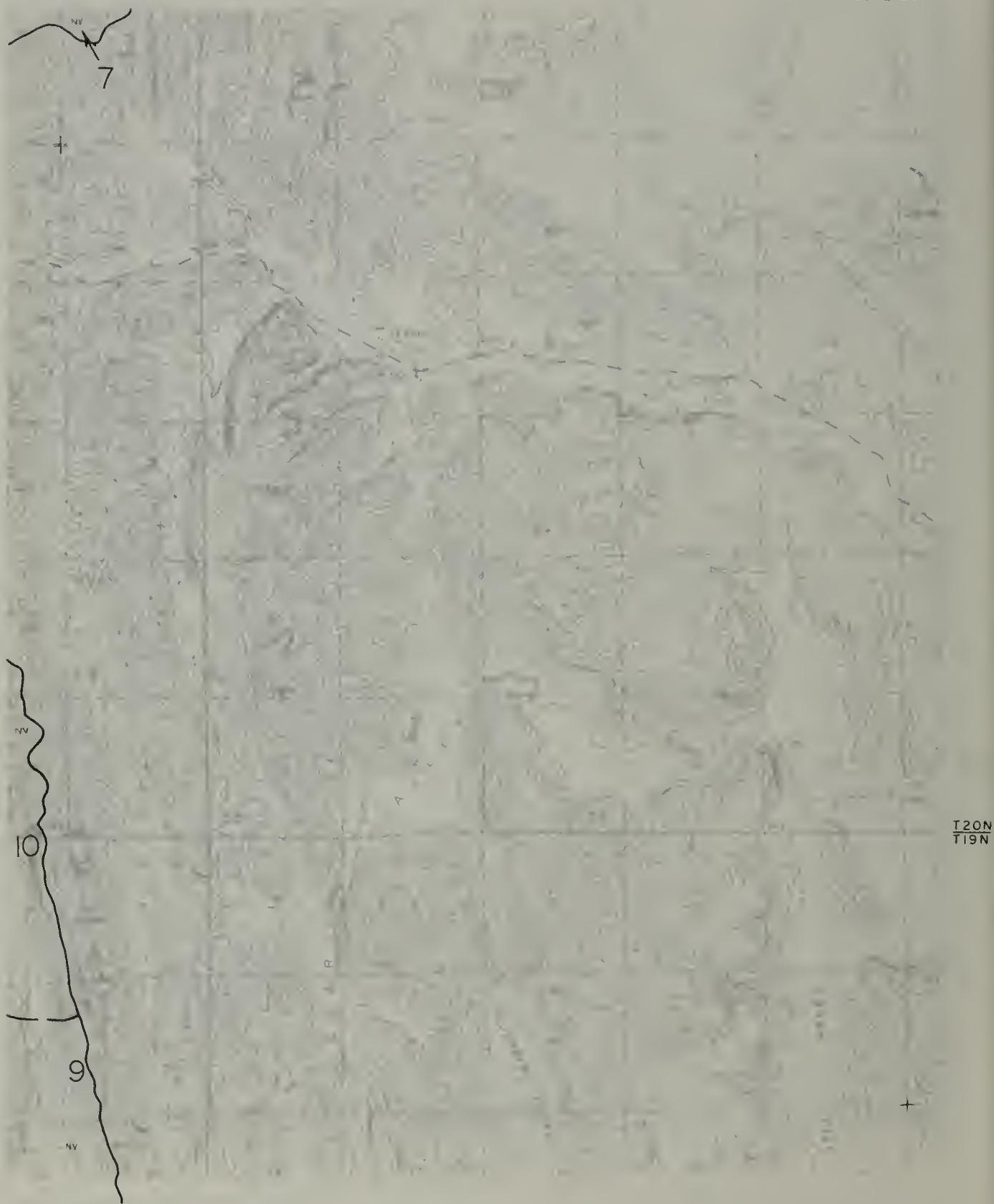
SE 1/4 ELK CREEK QUADRANGLE  
 LAND AND WATER USE  
 1959





SE 1/4 ELK CREEK QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961

FIGURE 20-17

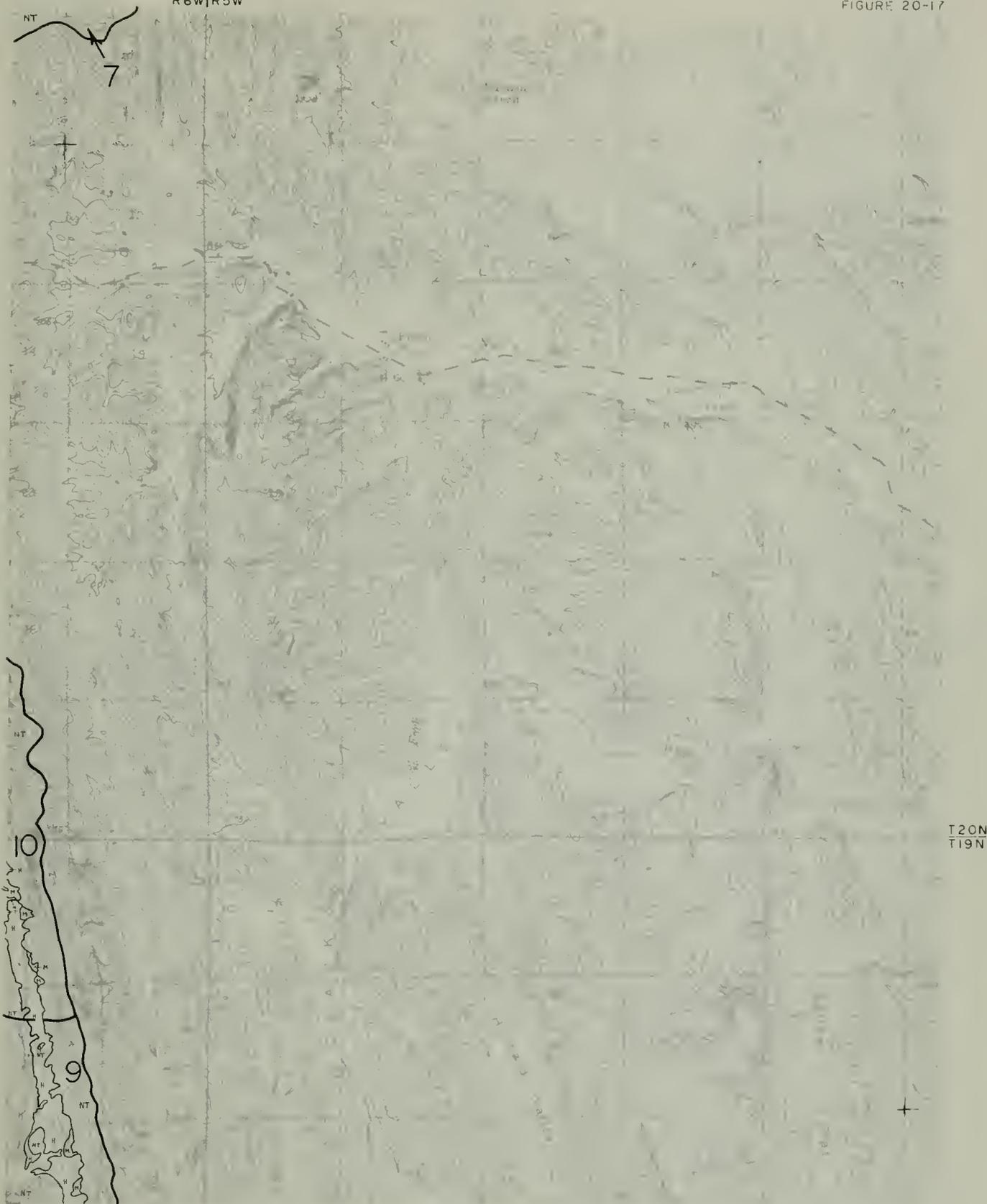


SCALE OF FEET  
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SW 1/4 FRUTO QUADRANGLE

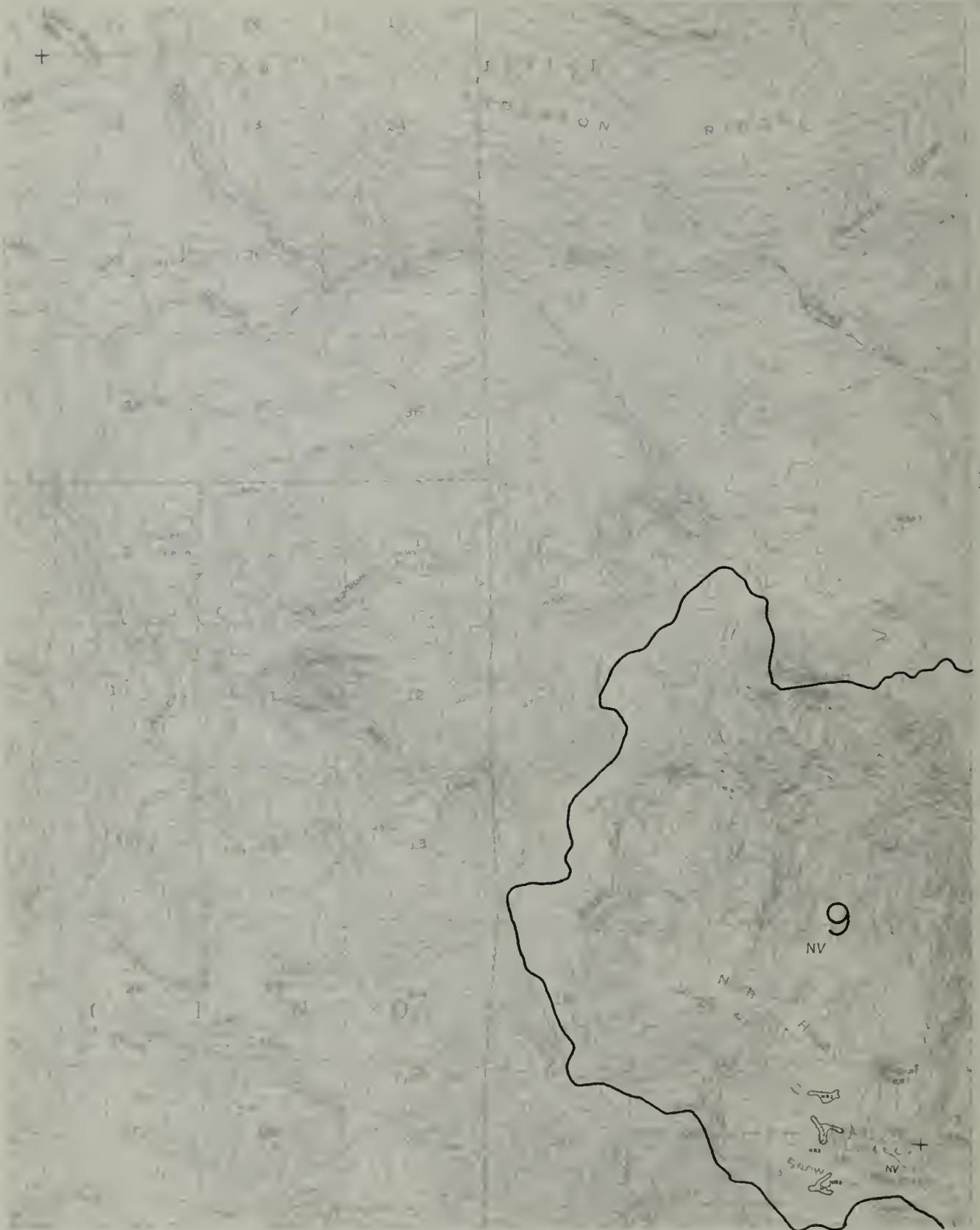
LAND AND WATER USE

1959



SW 1/4 FRUTO QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961

SCALE OF FEET  
 2000 0 2000 4000 6000



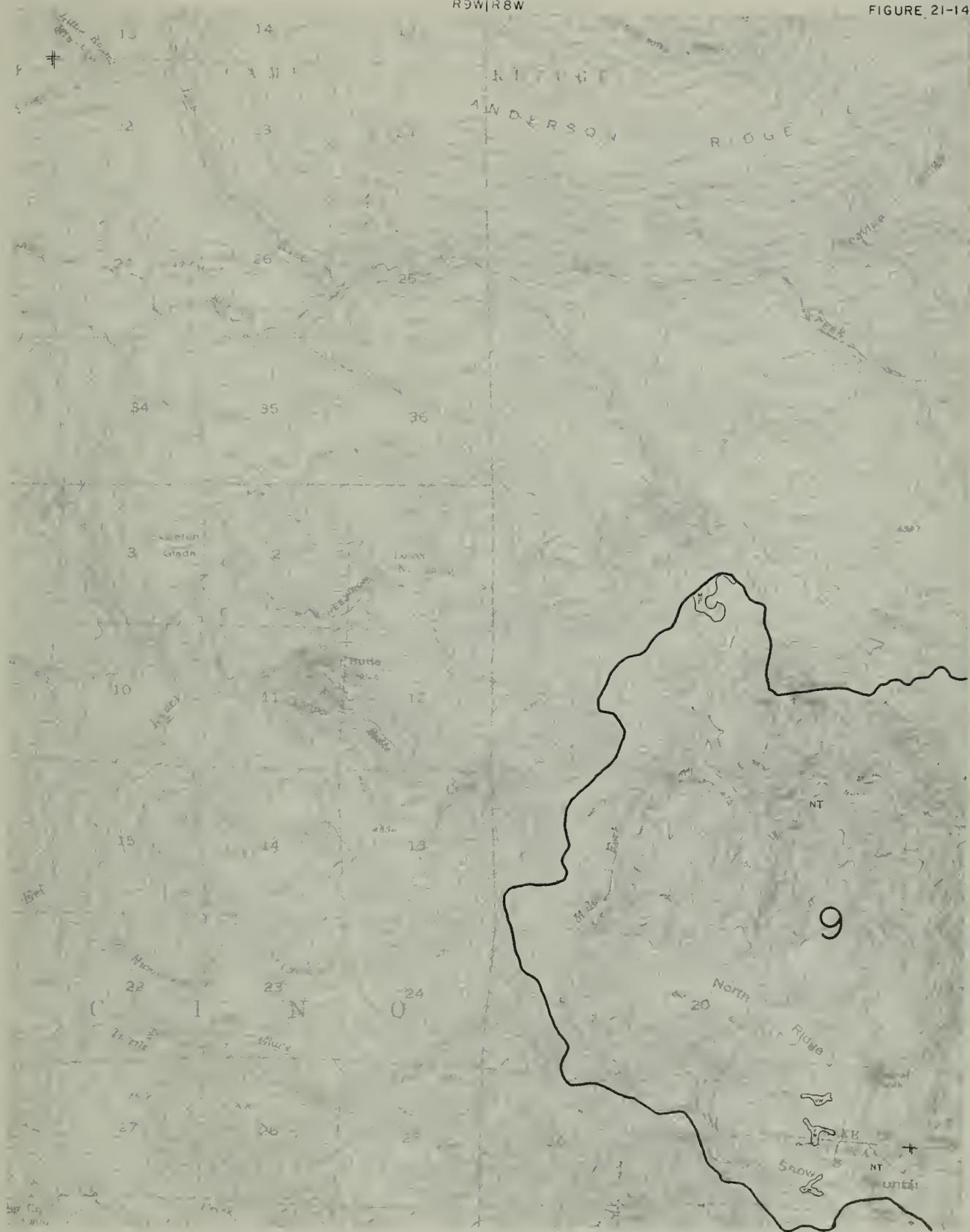
T19N  
T18N

SCALE OF FEET  
 2000 0 2000 4000 6000

NE 1/4 LAKE PILLSBURY QUADRANGLE

LAND AND WATER USE

1959



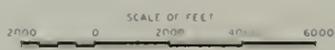
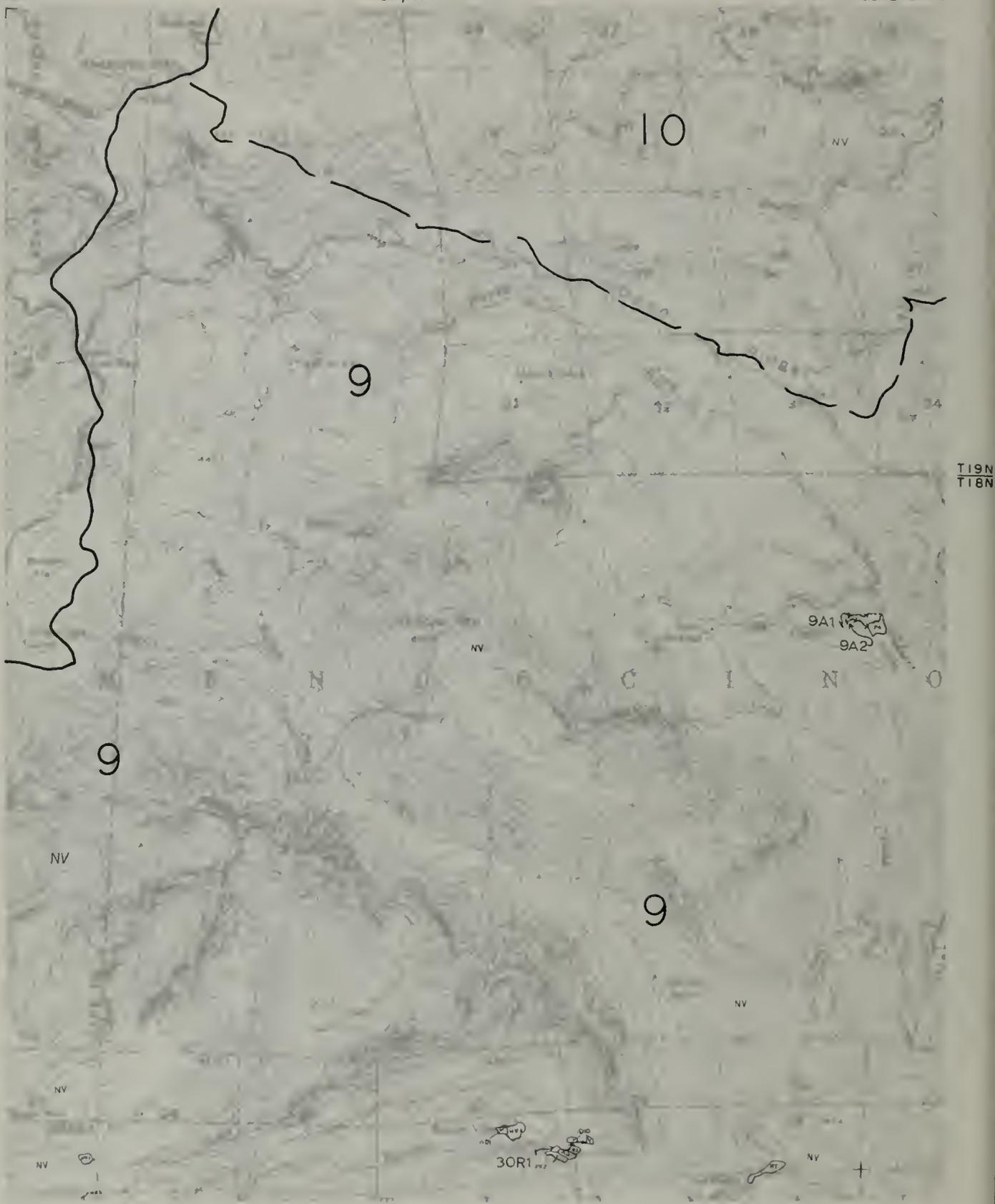
T19N  
T18N

NE 1/4 LAKE PILLSBURY QUADRANGLE

CLASSIFICATION OF LANDS

1961

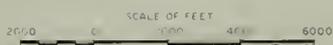




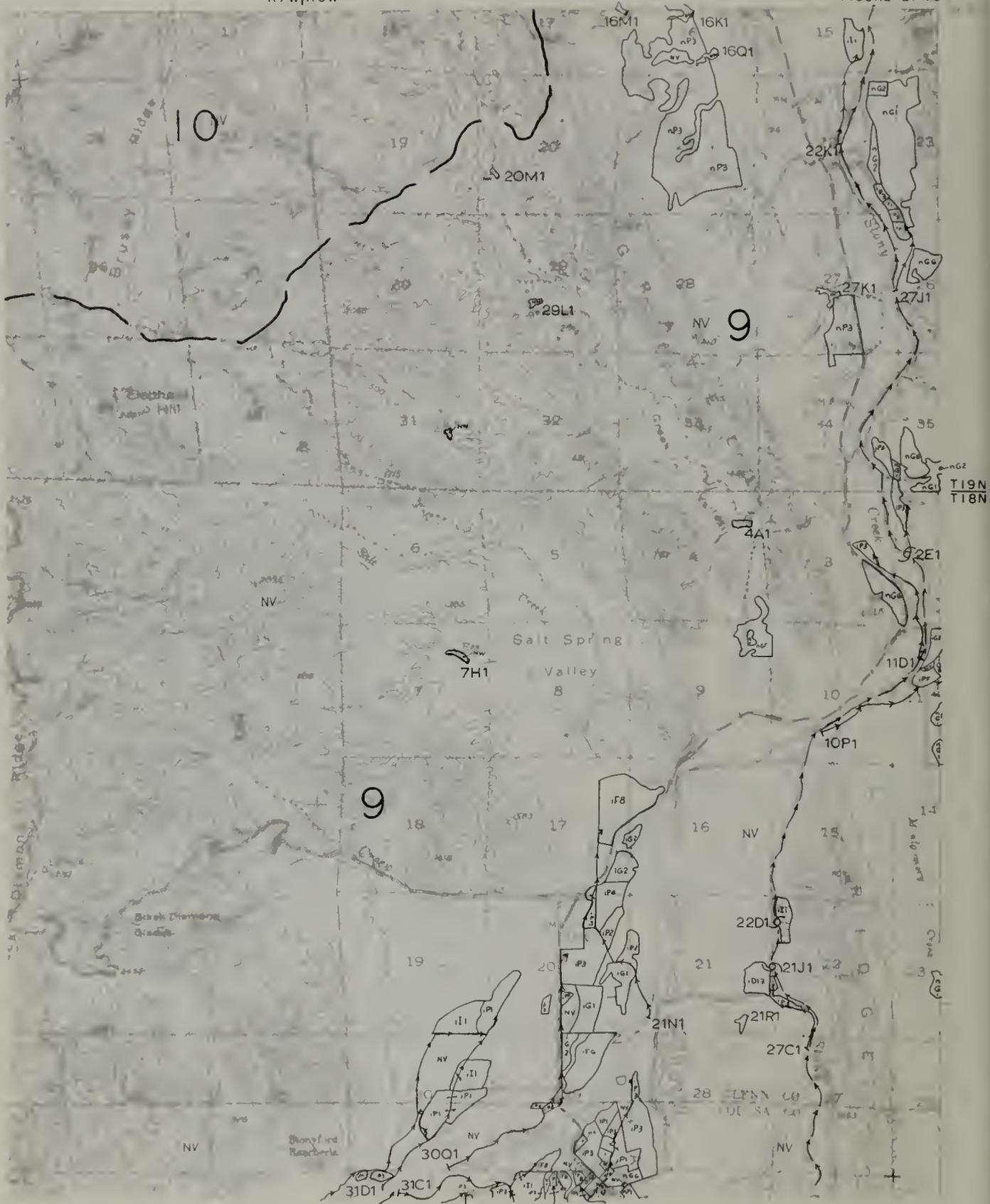
NW 1/4 STONYFORD QUADRANGLE  
 LAND AND WATER USE  
 1959



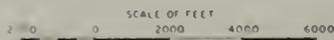
T19N  
T18N



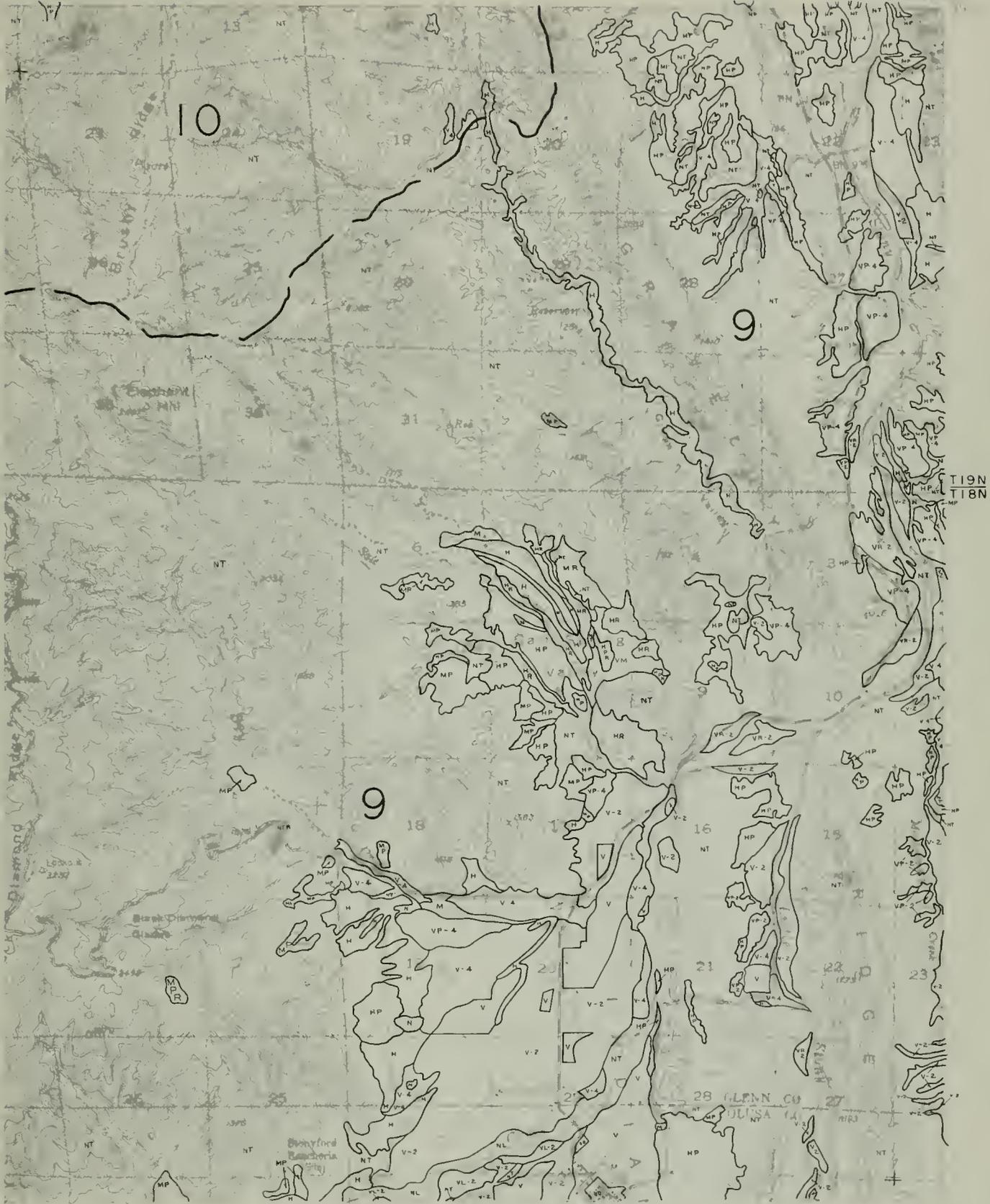
NW 1/4 STONYFORD QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



T19N  
T18N



SE 1/4 STONYFORD QUADRANGLE  
 LAND AND WATER USE  
 1959

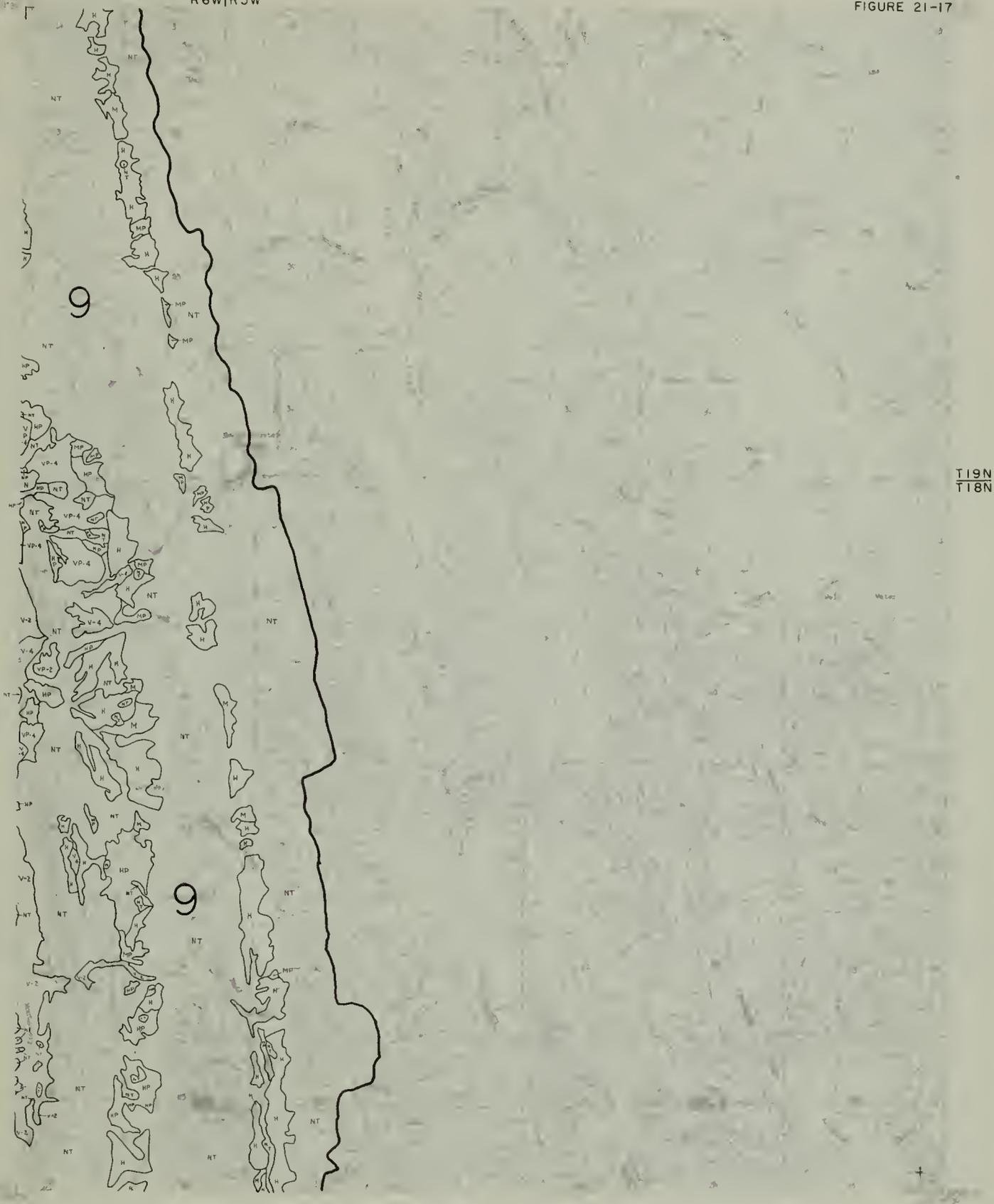


T19N  
T18N

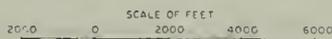
SCALE OF FEET  
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NE 1/4 STONYFORD QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961

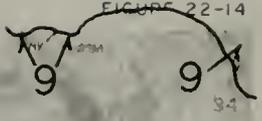




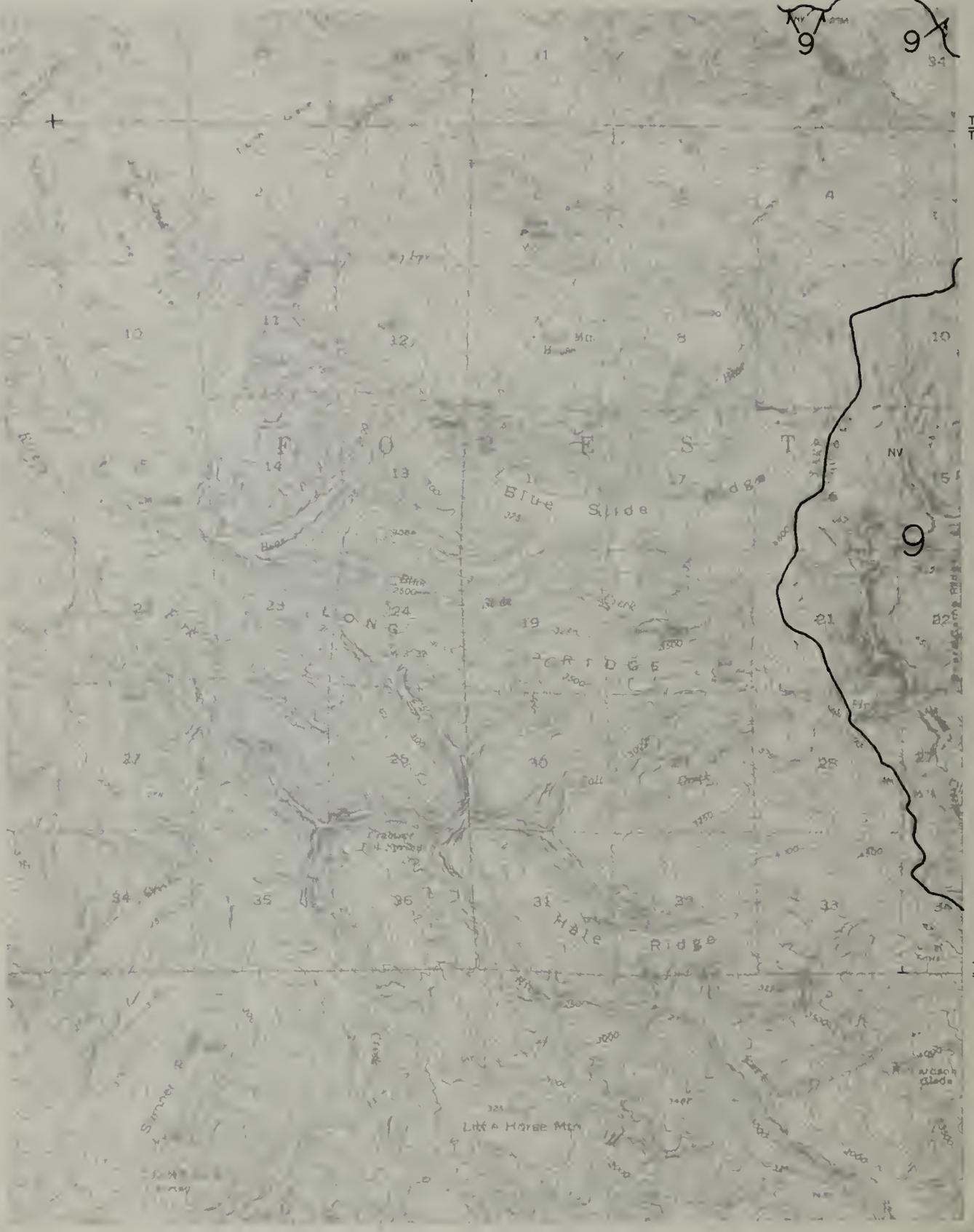
T19N  
T18N



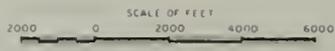
NW 1/4 LODOGA QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



T18N  
T17N



T17N  
T16N

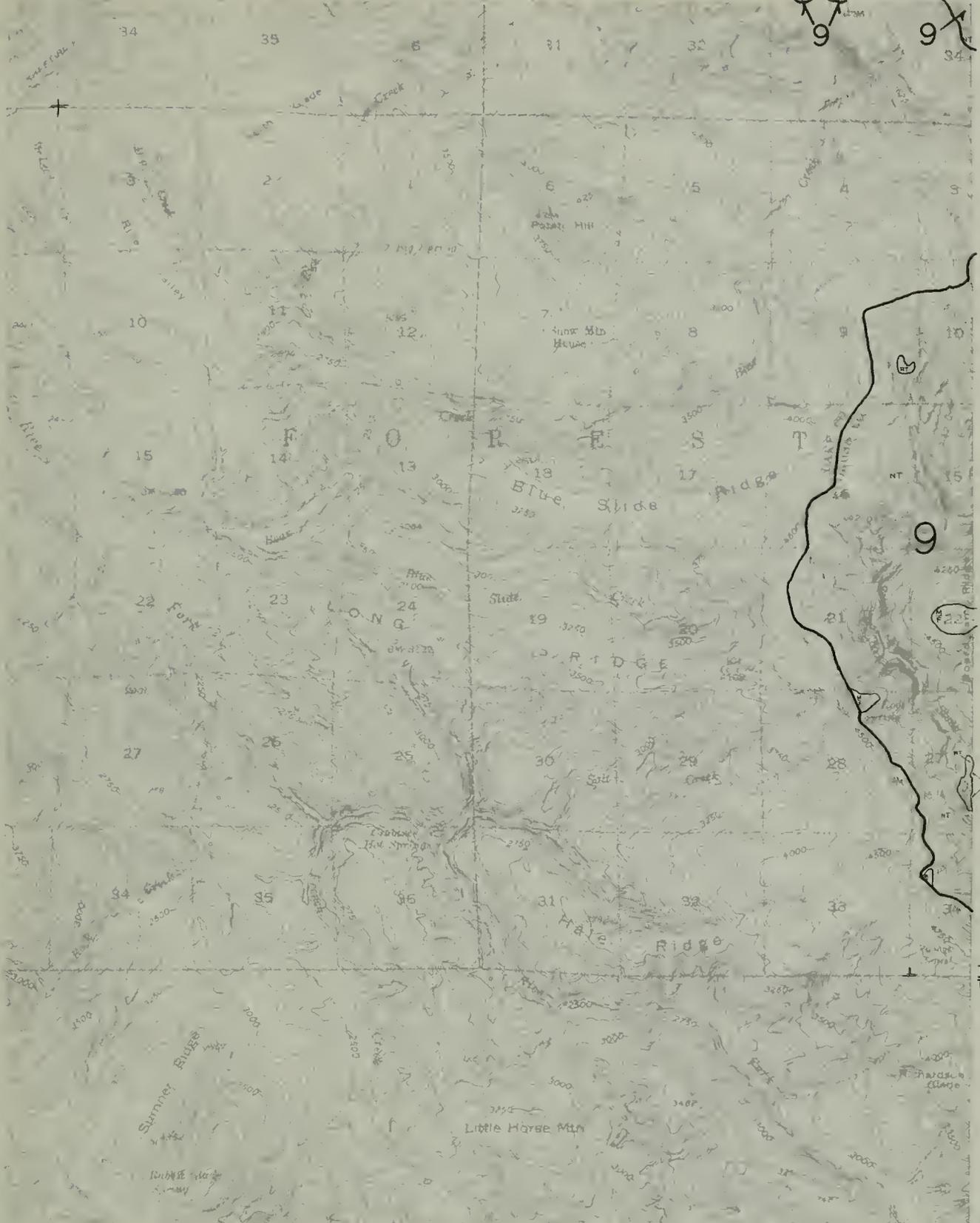


SE 1/4 LAKE PILLSBURY QUADRANGLE

LAND AND WATER USE

1959

T18N  
T17N

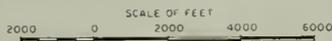


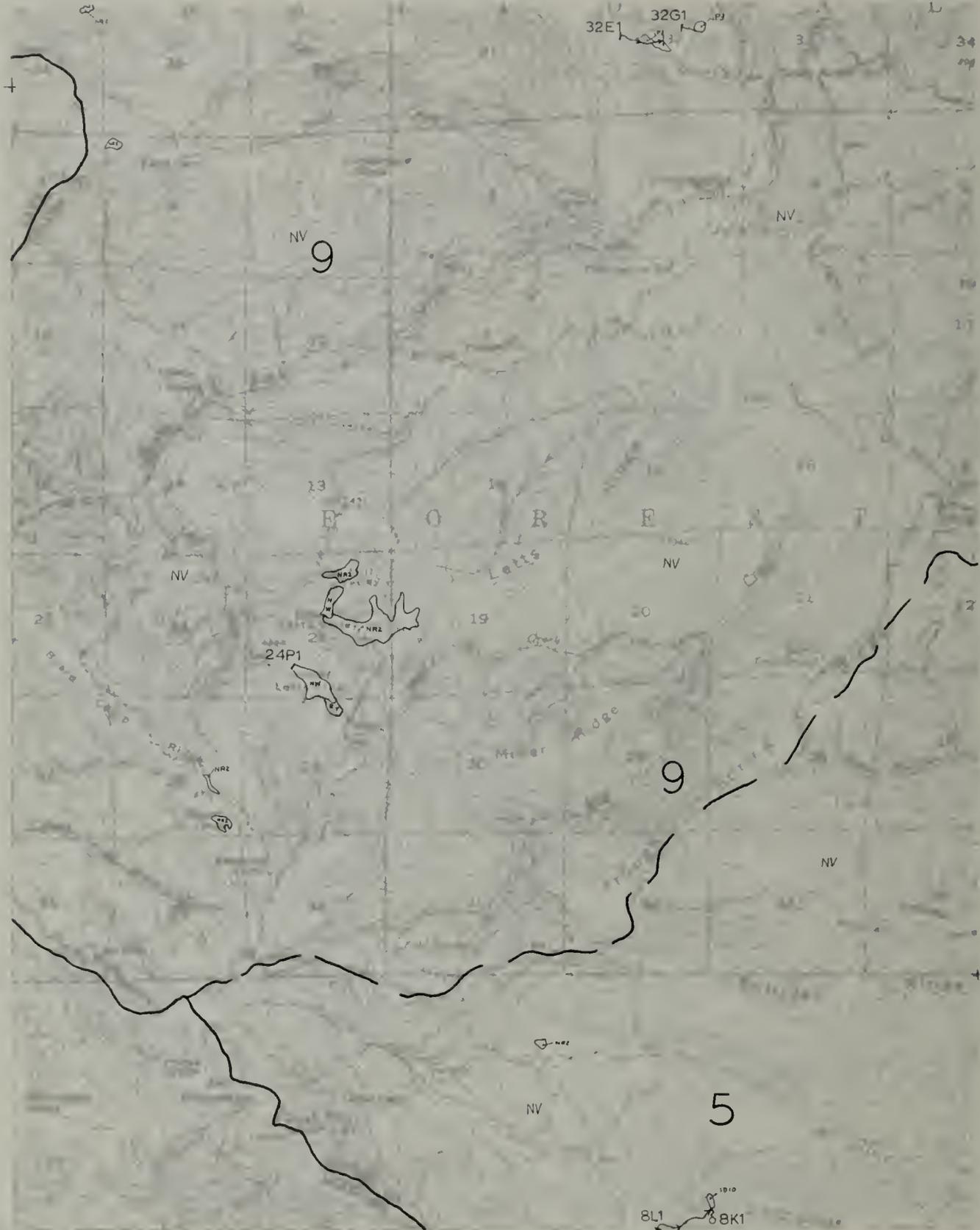
T17N  
T16N

SE 1/4 LAKE PILLSBURY QUADRANGLE

CLASSIFICATION OF LANDS

1961

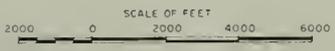
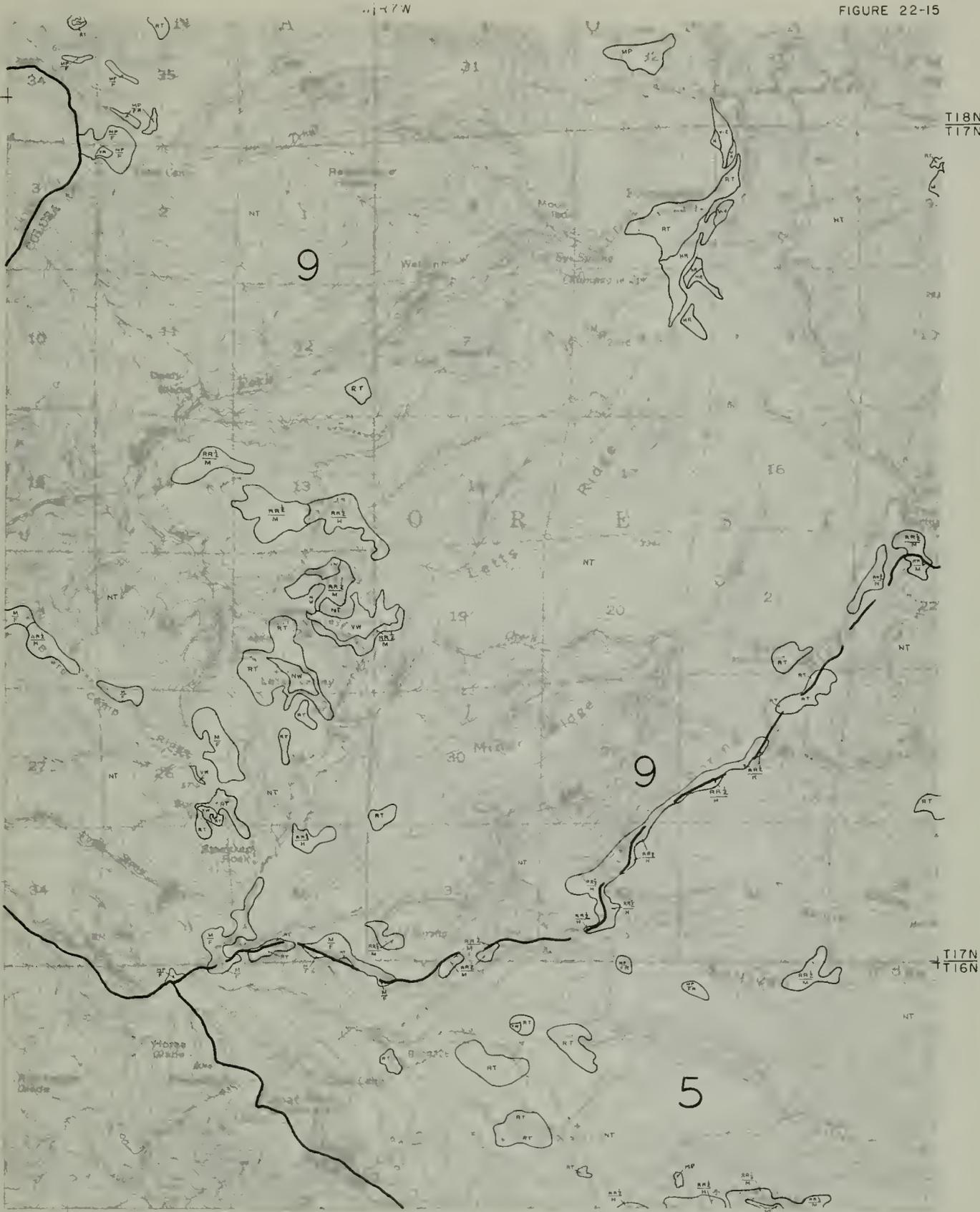




T17N  
T16N

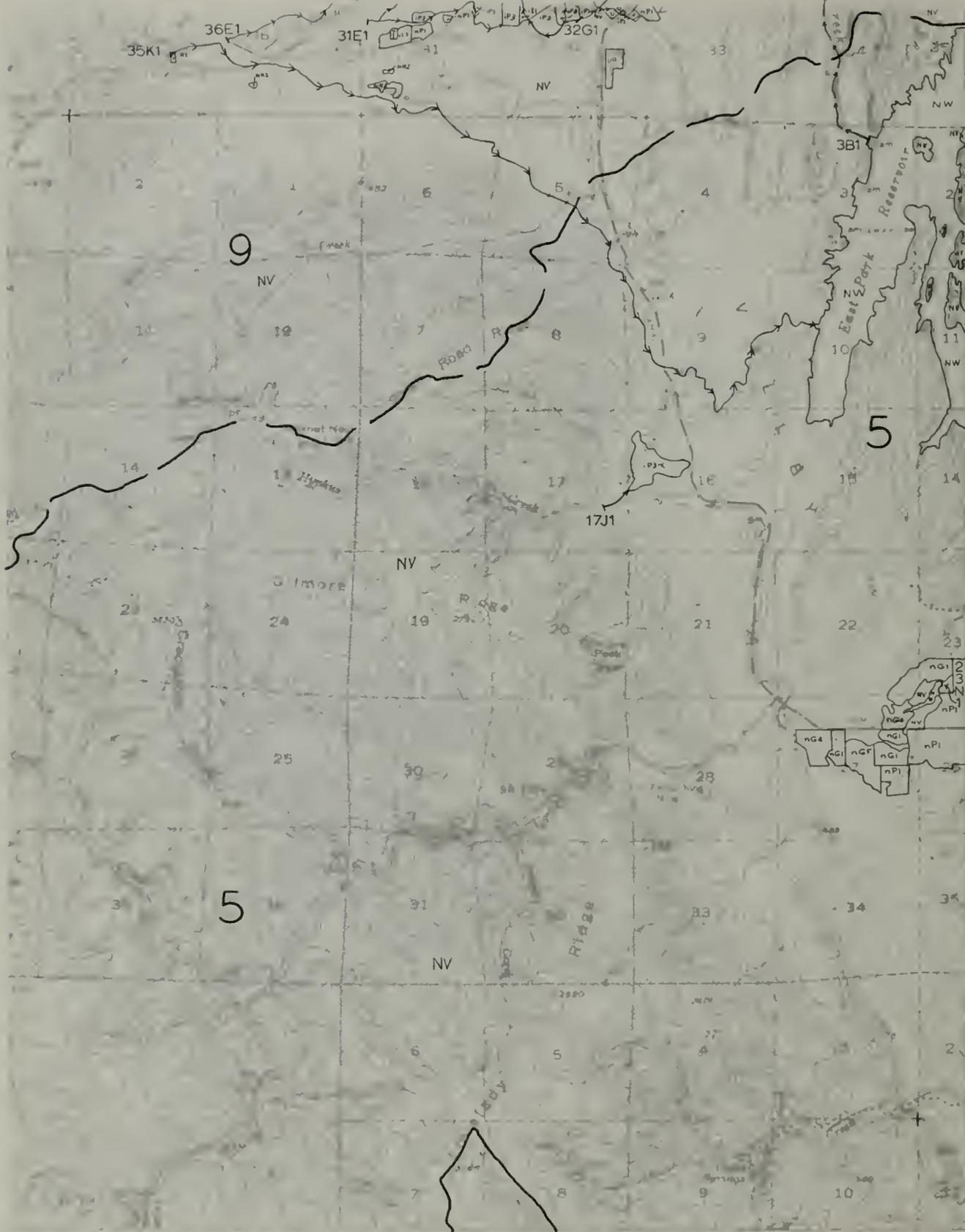


SW 1/4 STONYFORD QUADRANGLE  
 LAND AND WATER USE  
 1959



SW 1/4 STONYFORD QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961

R7W|R6W



SE 1/4 STONYFORD QUADRANGLE

LAND AND WATER USE

1959

R7W|R6W



T18N  
T17N

T17N  
T16N

SE 1/4 STONYFORD QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961

SCALE OF FEET  
 2000 0 2000 4000 6000

T18N  
T17N



T17N  
T16N

SW 1/4 LODOGA QUADRANGLE  
 LAND AND WATER USE  
 1959

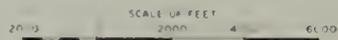
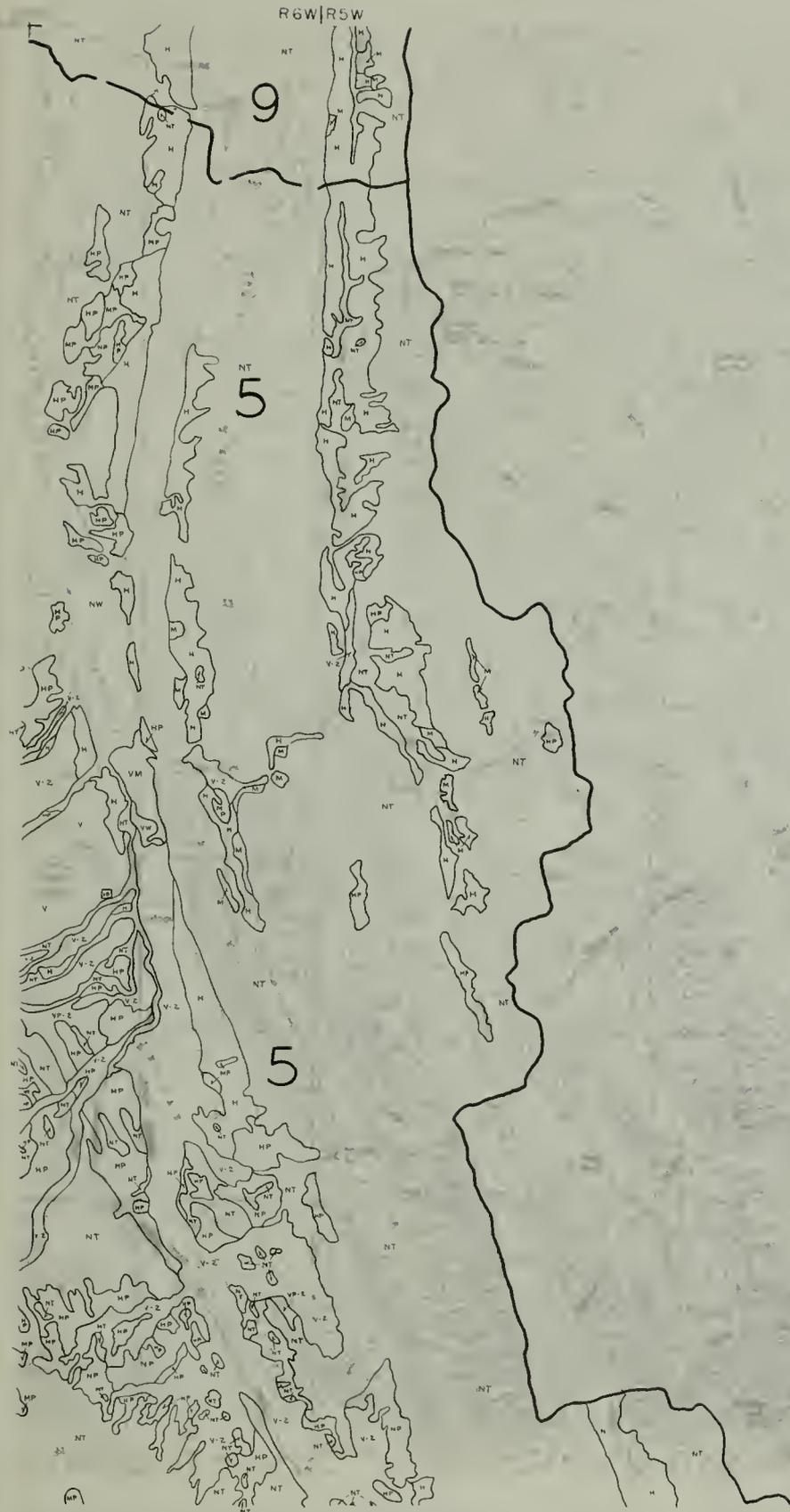


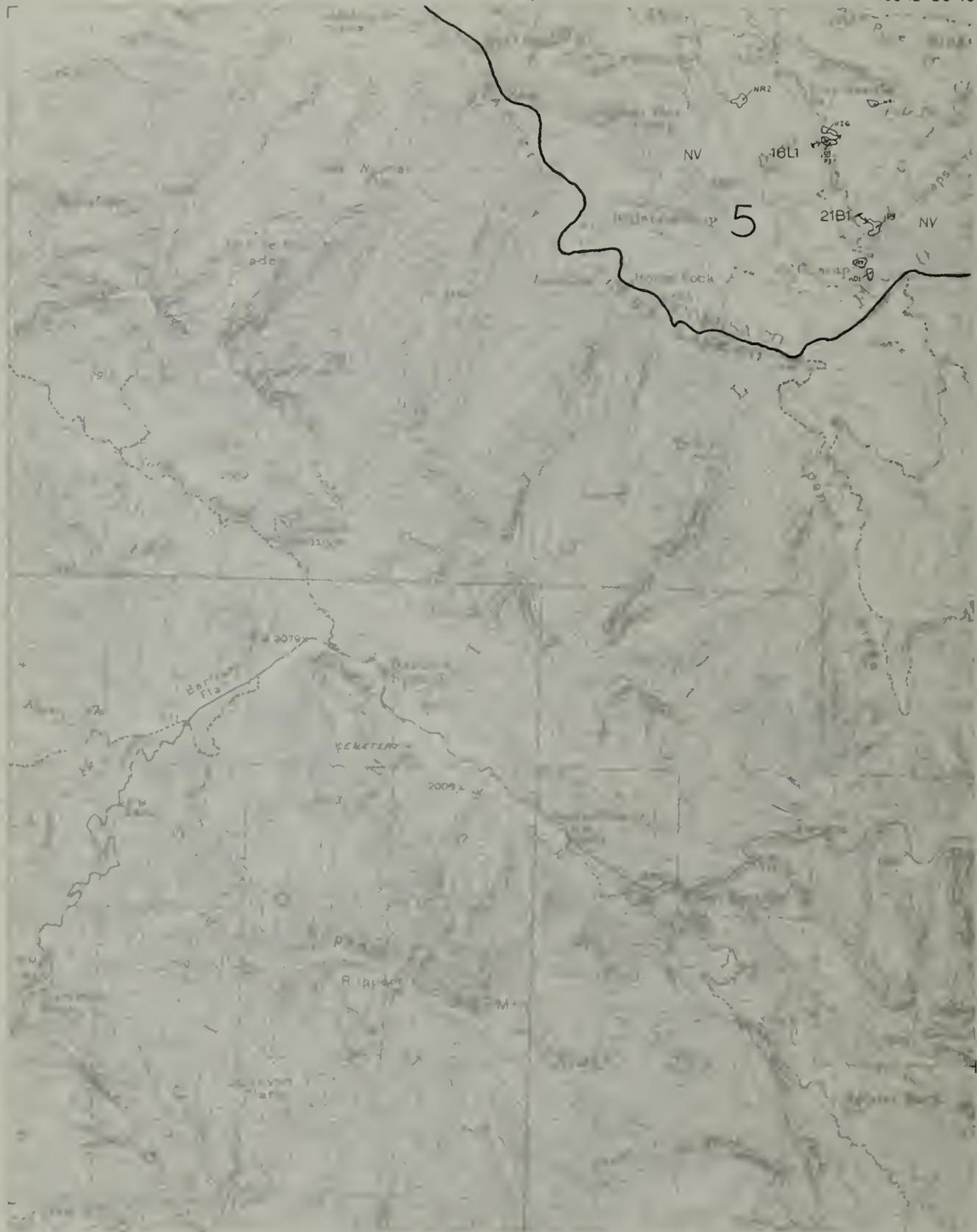
FIGURE 22-17



T18N  
T17N

T17N  
T16N

SCALE OF FEET  
0 2000 4000

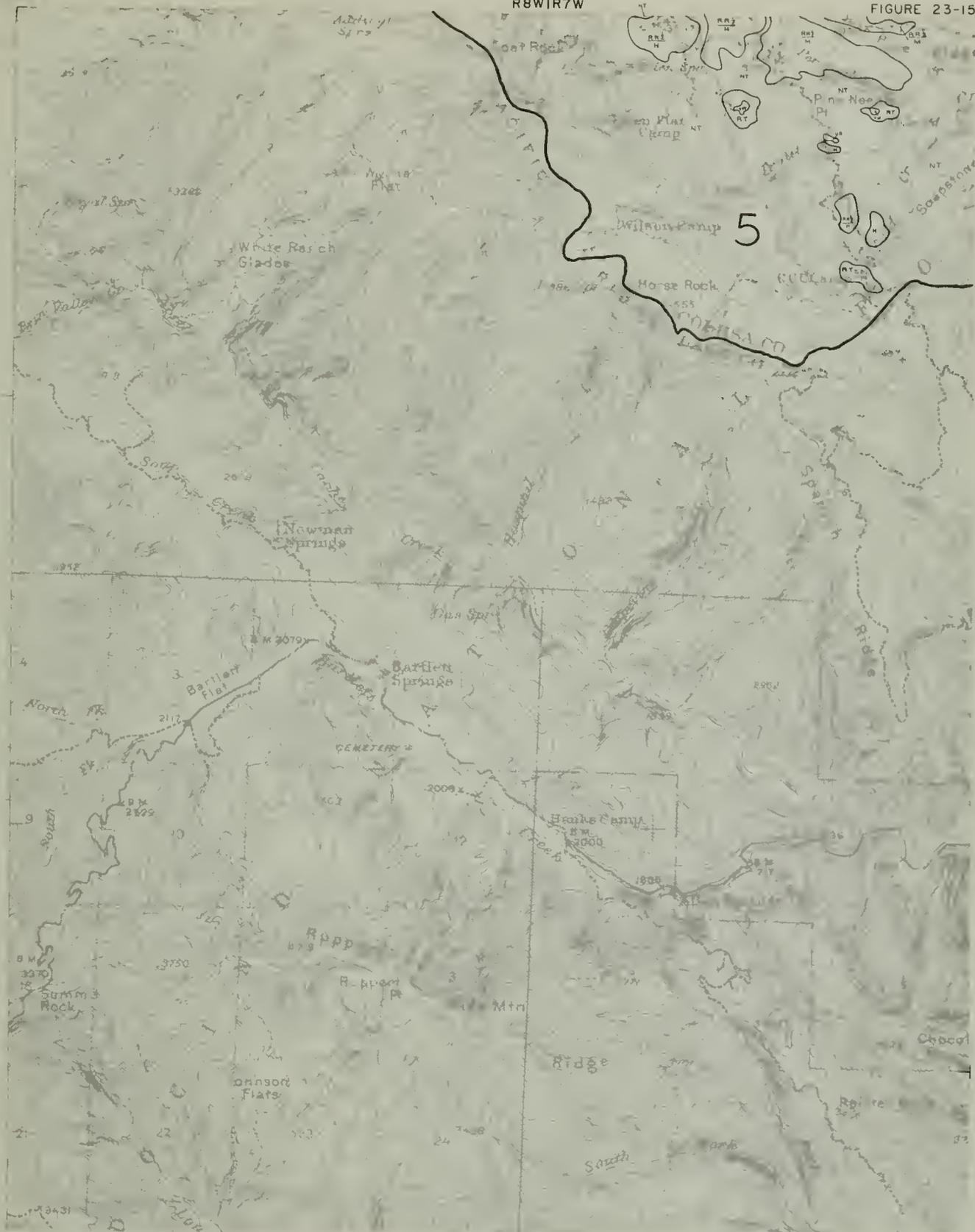


T16N  
T15N

NW 1/4 BARTLETT SPRINGS QUADRANGLE

LAND AND WATER USE

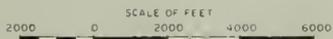
1959



T16N  
T15N

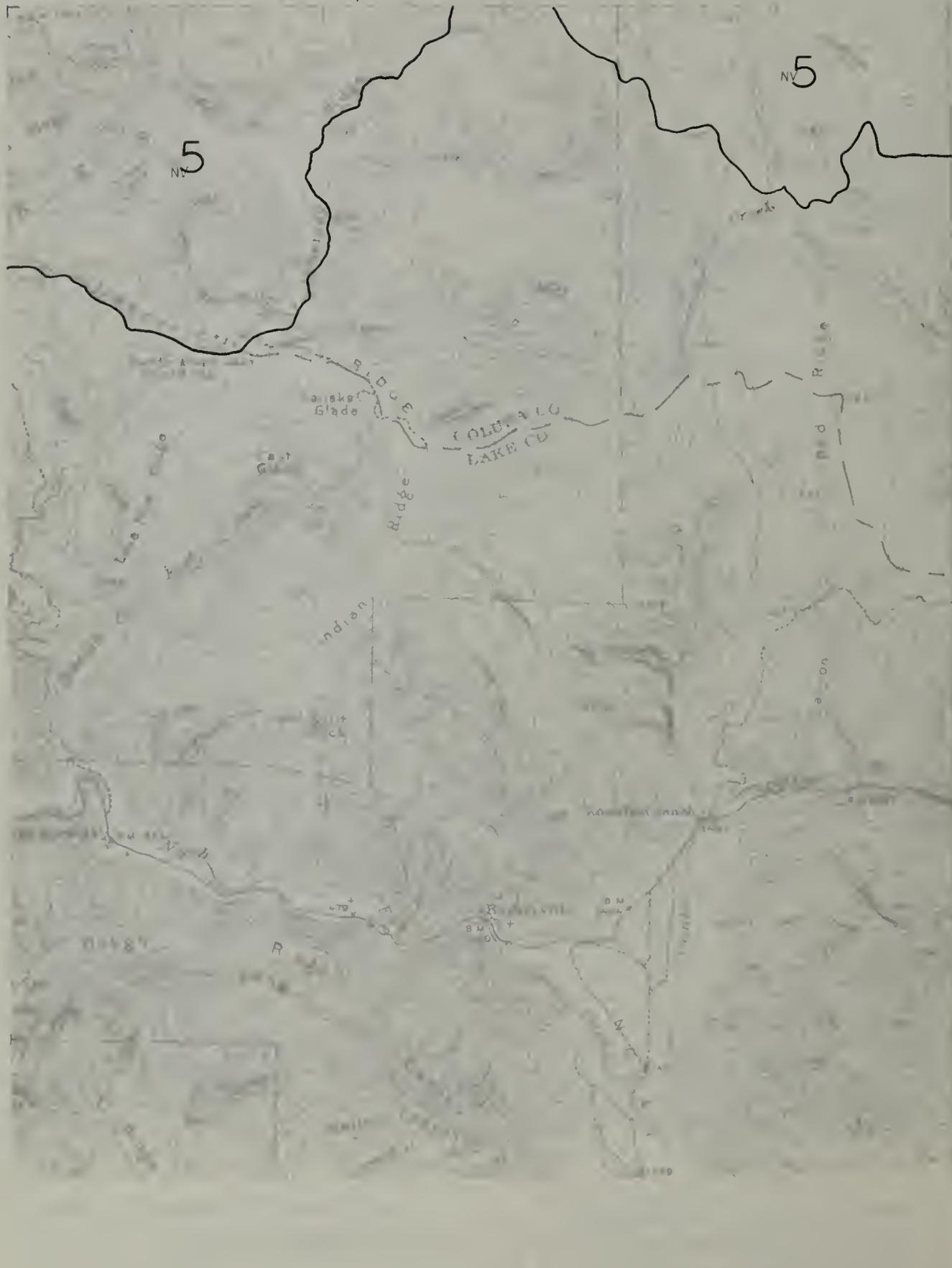
NW 1/4 BARTLETT SPRINGS QUADRANGLE

CLASSIFICATION OF LANDS  
1961



R7W|R6W

FIGURE 23-16



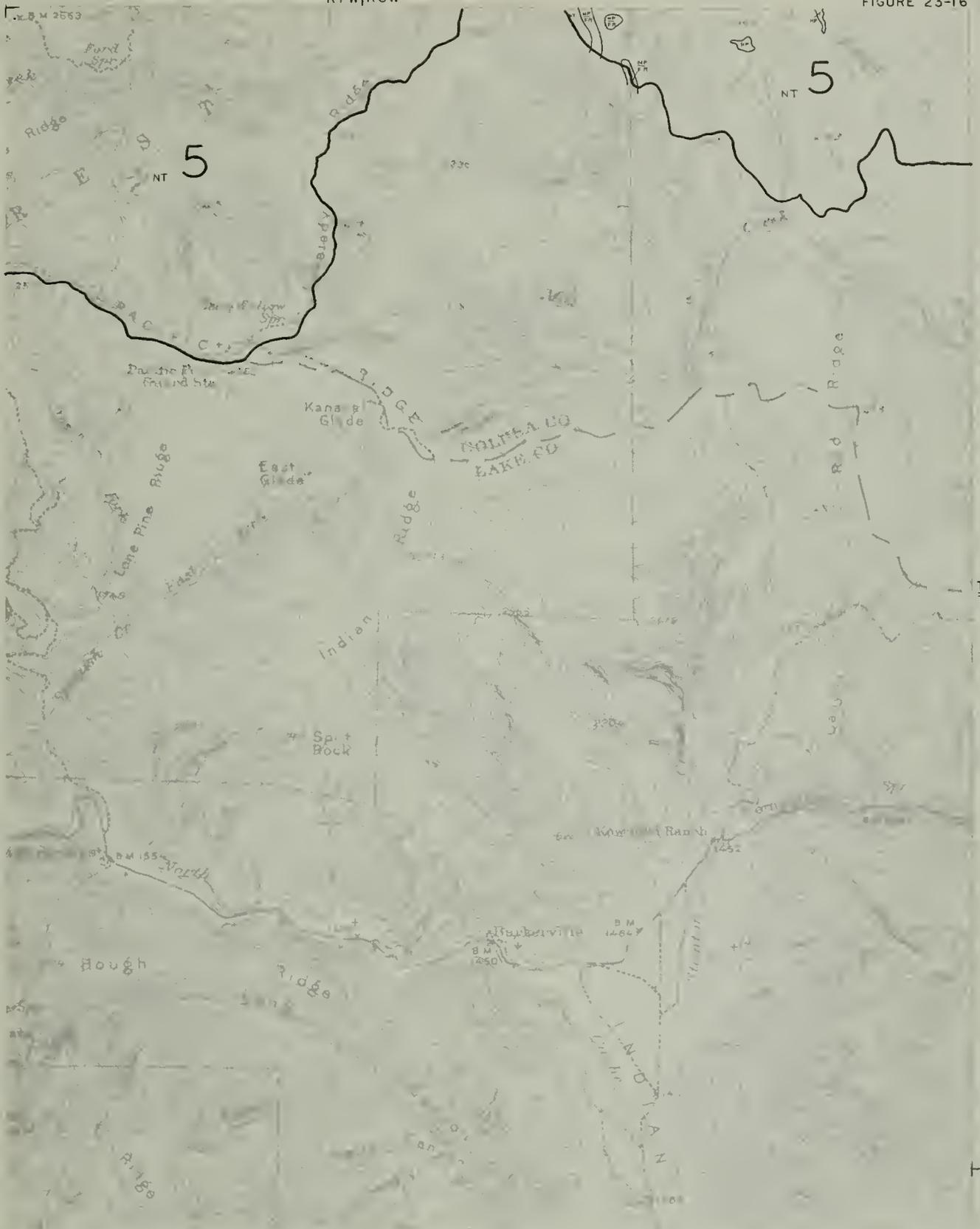
T16N  
T15N

SCALE OF FEET  
0 2000 4000

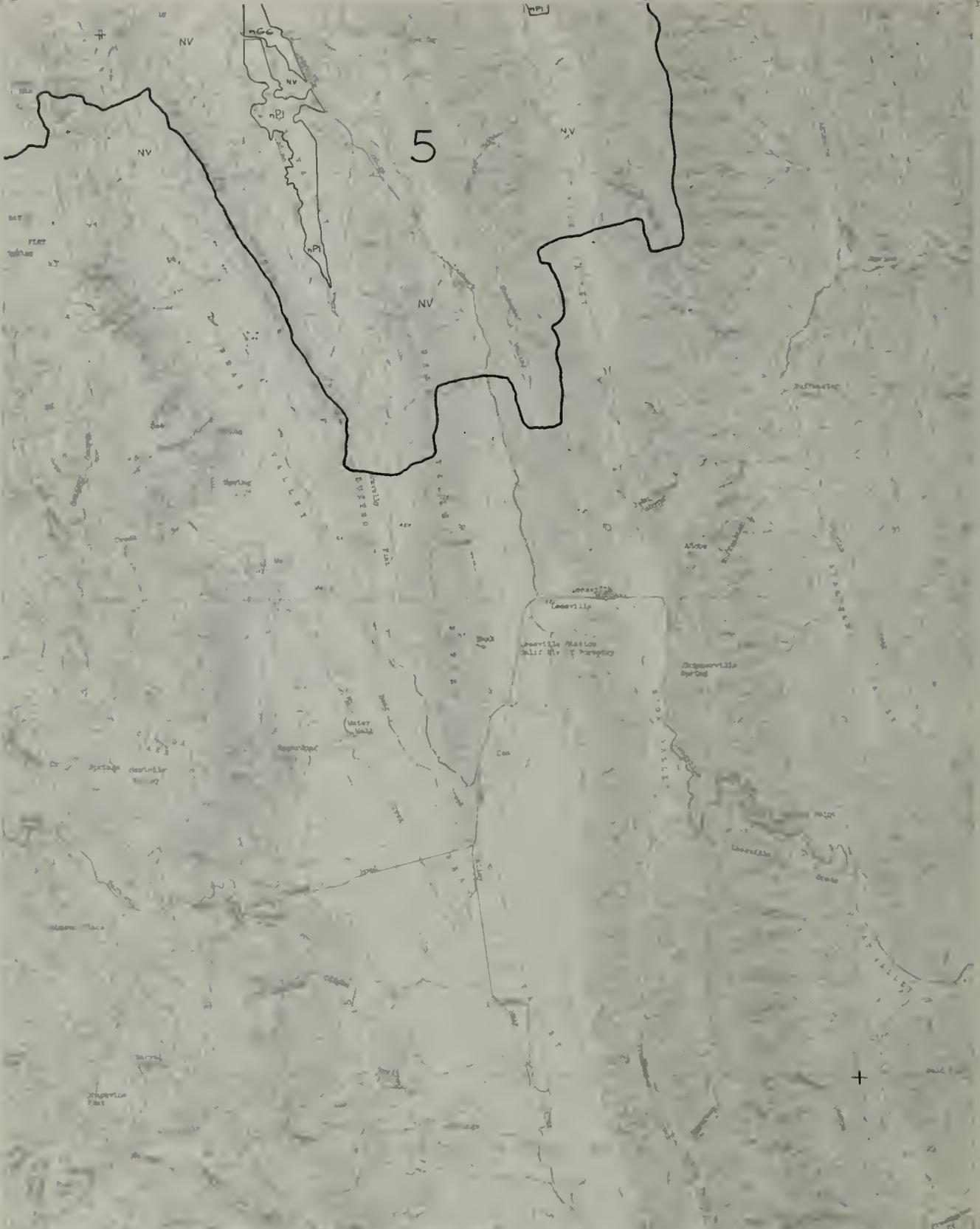
NE 1/4 BARTLETT SPRINGS QUADRANGLE

LAND AND WATER USE

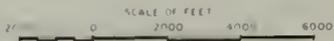
1959



NE 1/4 BARTLETT SPRINGS QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961



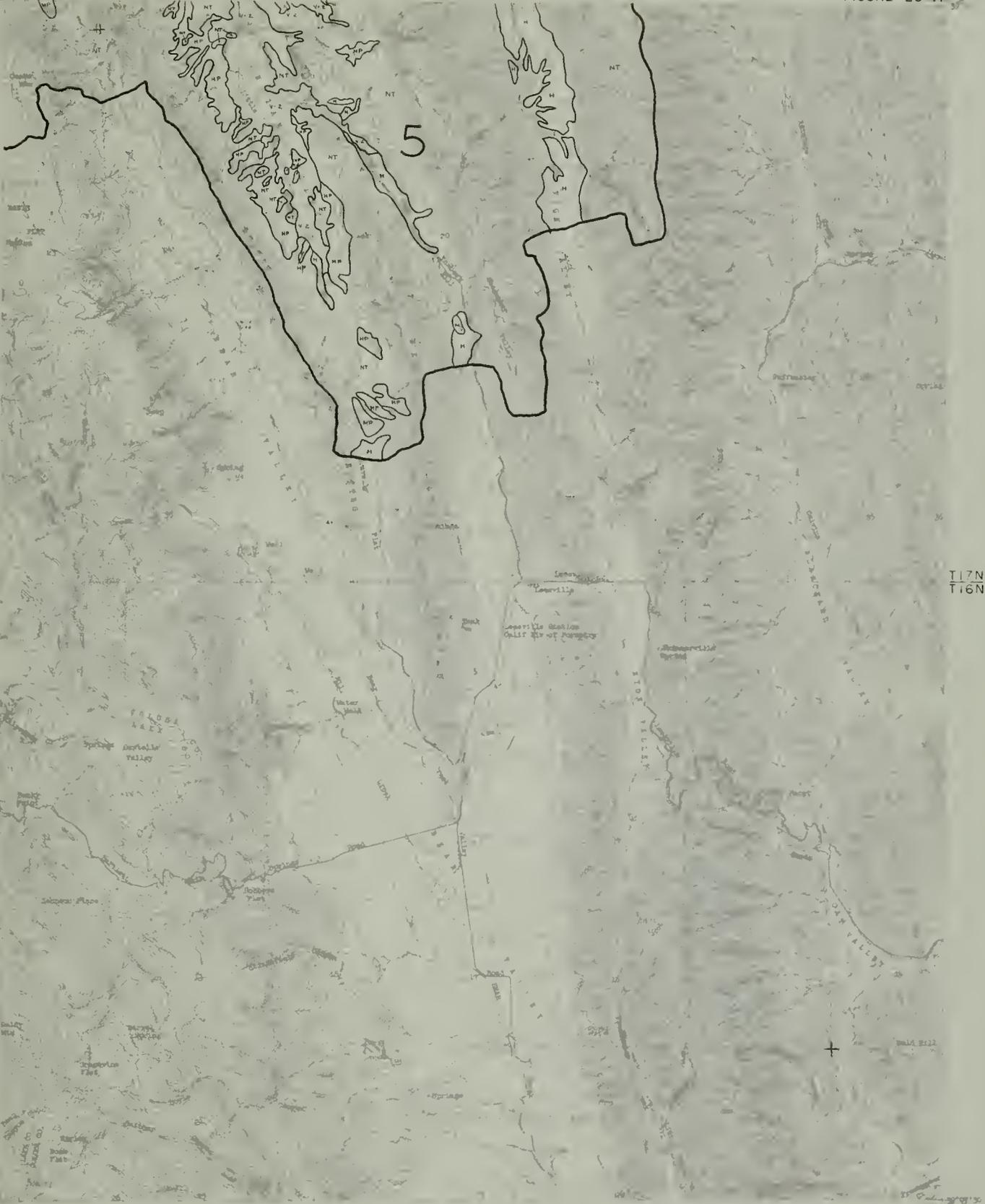
T16N  
T15N



NW 1/4 WILBUR SPRINGS QUADRANGLE

LAND AND WATER USE

1959



NW 1/4 WILBUR SPRINGS QUADRANGLE  
 CLASSIFICATION OF LANDS  
 1961









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