Soil Resource Inventory

Photo Mosaic Map Appendix

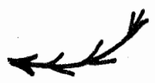
Siskiyou National Forest

TABLE OF CONTENTS

DEFINITIONS AND DESCRIPTIONS OF LANDTYPE UNITS

Definitions of Landtype Units

This section defines the numbers and symbols found on the soil maps. The numbers identify landtype units. The symbols represent land features important to land management that are too small to delineate at the scale used for this survey. The symbols used in this survey are listed below:

✓	Rock Outcrop
X	Unstable Area
	Wet Spot and Small Marshes
	Slump or Slide Scarp
P29	Soil Description Location 1/
P29M	Modal Site Location
P29S	Sample Location
	Debris Avalanche or Slide Track

Landtype Units are shown on the landtype maps as numbers. 2/ Landtype units contain a dominant landtype which accounts for at least 70 percent of the landtype delineation.

Identified by its number, the dominant landtype of the landtype unit is described in the landtype unit description. These descriptions are found in the SRI Manual. Within the landtype unit, other landtypes occur. Those most commonly associated with the dominant landtype of the landtype unit are included in the descriptions as inclusions. These inclusions of other landtypes account for no more than 30 percent of the landtype unit.

The management interpretations apply only to the dominant landtype in each landtype unit. These interpretations are found in the SRI Manual. The interpretations for most inclusions within any landtype unit are listed on the interpretative tables according to the appropriate landtype number. The Tables of Landtype Unit Characteristics, Features, and Qualities, and Table of Bedrock Characteristics of Landtype Units are also numbered according to the dominant landtype in the landtype unit and apply to that dominant landtype.

Landtype Unit Complexes

Most of the symbols shown on the maps having three digits are called "Landtype Unit Complexes." 3/ These are landtype units used in areas where two or more defined landtype units are present in an arrangement too complex to separate at the one inch per mile scale. The Legend of Complexes, found on page 3 of the SRI Map Appendix, indicates the landtype unit components of the complex and the approximate percentage of each component.

Landtype Unit Descriptions

Most of the landtype units are described in detail in the SRI Manual. These landtypes have a definable range of characteristics that can be represented by a soil profile description. Landtype Units 0 through 9c are miscellaneous landtypes, quite variable, and not described in detail. They are described in a short narrative in the SRI Manual.

1/ The number 29 refers to the Soil Landtype.
2/ Landtype units contain a dominant taxonomic unit.
3/ Landtype Units 100, 121-125, 176-178, 186, 191-194, and 196-197 are not complexes but are individual Landtype Units.

Grouped Landtype Units

Designation	
0-9	Miscellaneous landtypes.
10-19	Deep soils, bedrock undifferentiated.
21-22	Metagabbro's with related gabbros. East side of Klamath Mountains.
26-29	Dacite and rhyollite. West side of Klamath Mountains.
31-35	Serpentine and peridotite. East side of Klamath Mountains.
36-39	Serpentine and peridotite. West side of Klamath Mountains.
41-43	Rhythmically bedded sandstones of the Umpqua Formation. West side of Klamath Mountains.
46-48	Conglomerates. West side of Klamath Mountains.
50	Dothan Formation and Colebrooke Formation volcanics.
51-55	Dothan Formation sediments and related volcanics. West side of Klamath Mountains.
61-62	Colebrooke Formation schists. West side of the Klamath Mountains.
66-68	Gneissic rock. East side of Klamath Mountains.
71-72	Sedimentary rocks including siltstones, mudstones, claystones, and related metasediments. Siskiyou Mountains.
76-77	Galice Formation metasedimentary rocks and related sediments. East side of Klamath Mountains.
81-83	Metavolcanics and related metasediments. Siskiyou Mountains.
86-87	Galice Formation metavolcanics and related Galice Formation metasediments. East side of Klamath Mountains.
91-95	Diorites, granodiorites, quartz diorites, and locally, gabbros. East side of Klamath Mountains and in the Siskiyou Mountains.
96-98	Gabbros with local diorites. East side of Klamath Mountains and in the Siskiyou Mountains.
99-100	Olivine gabbro. Along the crest of the Klamath Mountains.
120-125	Rhythmically bedded sandstones and siltstones of the Tyee Formation. North portion of Klamath Mountains.
176-178	Galice Formation metasediments and related sediments and metavolcanics. West side of Klamath Mountains.
186-187	Galice Formation metavolcanics and related sediments and metavolcanics. West side of Klamath Mountains.
191-194	Diorites, granodiorites, quartz diorites, and locally, gabbros. West side of Klamath Mountains.
196-197	Gabbros with local diorites. West side of Klamath Mountains.

Legend of Complexes 1/

Landtype Unit No.	Landtype Unit Complexes
101	60 percent Unit 100 and 40 percent Unit 11.
126	65 percent Unit 120 and 35 percent Unit 2.
127	50 percent Unit 120 and 50 percent Unit 121.
128	55 percent Unit 121 and 45 percent Unit 122.
170	70 percent Unit 176 and 30 percent Unit 2
171	60 percent Unit 176 and 40 percent Unit 19.
175	60 percent Unit 176 and 40 percent Unit 177.
179	60 percent Unit 178 and 40 percent Unit 19.
190	65 percent Unit 196 and 35 percent Unit 1.
195	55 percent Unit 191 and 45 percent Unit 192.
198	55 percent Unit 196 and 45 percent Unit 197.
199	65 percent Unit 191 and 35 percent Unit 1.
210	60 percent Unit 21 and 40 percent Unit 1.
212	60 percent Unit 21 and 40 percent Unit 22.
312	65 percent Unit 31 and 35 percent Unit 32.
313	65 percent Unit 31 and 35 percent Unit 3.
314	60 percent Unit 31 and 40 percent Unit 34.
315	60 percent Unit 31 and 40 percent Unit 35.
343	60 percent Unit 34 and 40 percent Unit 3.
352	60 percent Unit 35 and 40 percent Unit 32.
353	65 percent Unit 35 and 35 percent Unit 3.
363	70 percent Unit 36 and 30 percent Unit 3.
367	60 percent Unit 36 and 40 percent Unit 37.
369	65 percent Unit 36 and 35 percent Unit 39.
378	50 percent Unit 37 and 50 percent Unit 38.
379	65 percent Unit 37 and 35 percent Unit 39.
393	65 percent Unit 39 and 35 percent Unit 3.
410	70 percent Unit 41 and 30 percent Unit 2.
412	50 percent Unit 41 and 50 percent Unit 42.
419	60 percent Unit 41 and 40 percent Unit 19.
429	50 percent Unit 42 and 50 percent Unit 19.
430	65 percent Unit 43 and 35 percent Unit 2.
439	65 percent Unit 43 and 35 percent Unit 19.
469	65 percent Unit 46 and 35 percent Unit 19.
480	70 percent Unit 48 and 30 percent Unit 2.
500	70 percent Unit 50 and 30 percent Unit 1.
509	65 percent Unit 50 and 35 percent Unit 19.
510	70 percent Unit 51 and 30 percent Unit 2.
510u	65 percent Unit 51u and 35 percent Unit 2.
512	60 percent Unit 51 and 40 percent Unit 52.
512u	60 percent Unit 51u and 40 percent Unit 52u.
516	70 percent Unit 51 and 30 percent Unit 26.
519	60 percent Unit 51 and 40 percent Unit 19.
527	70 percent Unit 52 and 30 percent Unit 27.
529	60 percent Unit 52 and 40 percent Unit 19.
530	60 percent Unit 53 and 40 percent Unit 2.
530u	60 percent Unit 53u and 40 percent Unit 2.
534	65 percent Unit 53 and 35 percent Unit 54.
538	70 percent Unit 53 and 30 percent Unit 28.
539	65 percent Unit 53 and 35 percent Unit 19.
540	65 percent Unit 54 and 35 percent Unit 2.
549	70 percent Unit 54 and 30 percent Unit 29.
612	60 percent Unit 61 and 40 percent Unit 62.
619	60 percent Unit 61 and 40 percent Unit 19.
660	70 percent Unit 66 and 30 percent Unit 1.
667	60 percent Unit 66 and 40 percent Unit 67.
678	60 percent Unit 67 and 40 percent Unit 68.
712	60 percent Unit 71 and 40 percent Unit 72.
714	70 percent Unit 71 and 30 percent Unit 4.
718	65 percent Unit 71 and 35 percent Unit 18.
724	60 percent Unit 72 and 40 percent Unit 4.
760	70 percent Unit 76 and 30 percent Unit 2.
767	60 percent Unit 76 and 40 percent Unit 77.
768	65 percent Unit 76 and 35 percent Unit 18.

1/ These percentages may differ slightly from landtype unit to landtype unit. These total 100%, but other inclusions as described in individual landtypes may be present.

Landtype Unit No.	Landtype Unit Complexes
768u	65 percent Unit 76u and 35 percent Unit 18u.
770	70 percent Unit 77 and 30 percent Unit 2.
778	60 percent Unit 77 and 40 percent Unit 18.
778u	60 percent Unit 77u and 40 percent Unit 18u.
810	70 percent Unit 81 and 30 percent Unit 1.
810u	65 percent Unit 81u and 35 percent Unit 1.
812	60 percent Unit 81 and 40 percent Unit 82.
812u	60 percent Unit 81u and 40 percent Unit 82u.
816	70 percent Unit 81 and 30 percent Unit 16.
816u	70 percent Unit 81u and 30 percent Unit 16u.
818	60 percent Unit 81 and 40 percent Unit 18.
818u	60 percent Unit 81u and 40 percent Unit 18u.
823	60 percent Unit 82 and 40 percent Unit 83.
823u	60 percent Unit 82u and 40 percent Unit 83u.
824	60 percent Unit 82 and 40 percent Unit 4.
826u	60 percent Unit 82u and 40 percent Unit 16u.
828u	60 percent Unit 82u and 40 percent Unit 18u.
860	70 percent Unit 86 and 30 percent Unit 1.
867	60 percent Unit 86 and 40 percent Unit 87.
868	65 percent Unit 86 and 35 percent Unit 18.
878	60 percent Unit 87 and 40 percent Unit 18.
910	70 percent Unit 91 and 30 percent Unit 1.
912	60 percent Unit 91 and 40 percent Unit 92.
912u	65 percent Unit 91u and 35 percent Unit 92u.
914u	65 percent Unit 91u and 35 percent Unit 14.
918	65 percent Unit 91 and 35 percent Unit 18.
918u	65 percent Unit 91u and 35 percent Unit 18u.
923	65 percent Unit 92 and 35 percent Unit 93.
923u	65 percent Unit 92u and 35 percent unit 93u.
928	60 percent Unit 92 and 40 percent Unit 18.
928u	60 percent Unit 92u and 40 percent Unit 18u.
952	60 percent Unit 95 and 40 percent Unit 92.
952u	60 percent Unit 95u and 40 percent Unit 92u.
960	70 percent Unit 96 and 30 percent Unit 1.
967	60 percent Unit 96 and 40 percent Unit 97.
967u	65 percent Unit 96u and 35 percent Unit 97u.
968	65 percent Unit 96 and 35 percent Unit 18.
968u	65 percent Unit 96u and 35 percent Unit 18u.
978	65 percent Unit 97 and 35 percent Unit 98.
990	70 percent Unit 99 and 30 percent Unit 1.
991	65 percent Unit 99 and 35 percent Unit 11.

SOIL SERIES CORRELATION LEGEND

SRI Mapping Units	Soil Series
1, 2	Witzel rock outcrops
3, 34, 35	Pearsoll extremely stony clay loam
4	Pollard-Beekman gravelly loam complex
5, 31	Dubakella-Pearsoll gravelly loam complex
6	Bigelow gravelly loam
7	Woodseye-Craggy rock outcrops complex
10, 11	Takilma varient gravelly loam
12	Eightlar extremely stony clay loam
13, 14, 16, 16u	Bigelow gravelly fine sandy loam
15	Abegg gravelly loam
18	Speaker-Josephine gravelly loam complex
18u	Goodwin very gravelly fine sandy loam
21	Speaker gravelly loam
22, 72, 82	Josephine gravelly loam
31u, 32u, 34u, 35u	Perdin cobbly loam rock outcrops
32	Eightlar extremely stony clay loam
50, 51, 81	Beekman gravelly loam
51u	Woodseye extremely gravelly loam
53, 54, 71, 77, 87	Beekman-Colestine gravelly loam complex
66, 91	Siskiyou gravelly sandy loam
67, 92, 95, 97	Tethrick gravelly sandy loam
68, 93, 98	Holland sandy loam
76, 86, 96	Vermisa-Beekman extremely gravelly loam complex
99	Frantz very gravelly loam
100	Knapke extremely gravelly loam

SOIL RESOURCE INVENTORY
ISOHYETAL MAP *

U.S. DEPARTMENT OF AGRICULTURE
FOREST SERVICE
JOHN R. MCGUIRE, CHIEF

SISKIYOU NATIONAL FOREST
OREGON AND CALIFORNIA
WILLAMETTE, HUMBOLDT AND MOUNT DIABLO MERIDIANS
1972

Scale ½" = 1 Mile

LEGEND

- Siskiyou National Forest Boundary
- Adjacent National Forest Boundary
- State Boundary Line
- County Boundary Line
- Interstate Highway
- U.S. Highway
- State Highway
- Forest Route
- Paved Road
- All Weather Road
- Dirt Road
- Primitive Road
- Trail
- Railroad
- Power Transmission Line
- Siskiyou National Forest Land
- Forest Supervisor Headquarters
- District Ranger Station
- Forest Service Station
- Mine, Quarry or Gravel Pit
- Recreation Site, Forest Service
- Recreation Site, Other Than Forest Service
- Horizontal Control Station
- Horizontal Control Station and Permanent Lookout
- Permanent Lookout Station
- Located or Landmark Object
- House, Cabin or Other Building
- School
- Church
- Gaging Station
- Sawmill
- Adjacent National Forest Land

TOWNSHIP AND SECTION LINE CLASSIFICATION

- Surveyed, Location Reliable
- Unsurveyed (Bureau of Land Management Protraction)

*** Estimated average annual rainfall (inches)**

SOURCE DIAGRAM

KEY MAP

SOIL RESOURCE INVENTORY
BEDROCK GEOLOGY

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OREGON AND CALIFORNIA
WILLAMETTE, HUMBOLDT AND MOUNT DIABLO MERIDIANS
1972

Scale 1/4" = 1 Mile
1 0 1 2 3 4 5 Miles
1:126,720

LEGEND

- Siskiyou National Forest Boundary
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- Church
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TOWNSHIP AND SECTION LINE CLASSIFICATION
- Surveyed, Location Reliable
- Unsurveyed (Bureau of Land Management Protraction)

Sedimentary, Volcanic, and Metamorphic Rocks

- Tertiary Sediments·Ts
- Cretaceous - Myrtle Group·Km
- Jurassic - Dothan and Otter Point Formations·Jdo
- Jurassic - Galice and Rogue Formations·Jgr
- Jurassic - Colebrooke Schist·Jc
- Triassic·Applegate Group·Ta
- Briggs Valley Amphibolite·bv

Intrusive Igneous Rocks

- Tertiary Intrusives·Ti
- Jurassic Intrusives·Ji
- Gabbros and Diorites·gd
- Serpentinite and Peridotite·sp

SOURCE DIAGRAM
USGS
USGS
USFS
USGS

KEY MAP
OREGON

SOIL RESOURCE INVENTORY
MOSAIC MAP INDEX

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OREGON AND CALIFORNIA
WILLAMETTE, HUMBOLDT AND MOUNT DIABLO MERIDIANS

1972

Scale ½"=1 Mile
1:126,720

LEGEND

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TOWNSHIP AND SECTION LINE CLASSIFICATION

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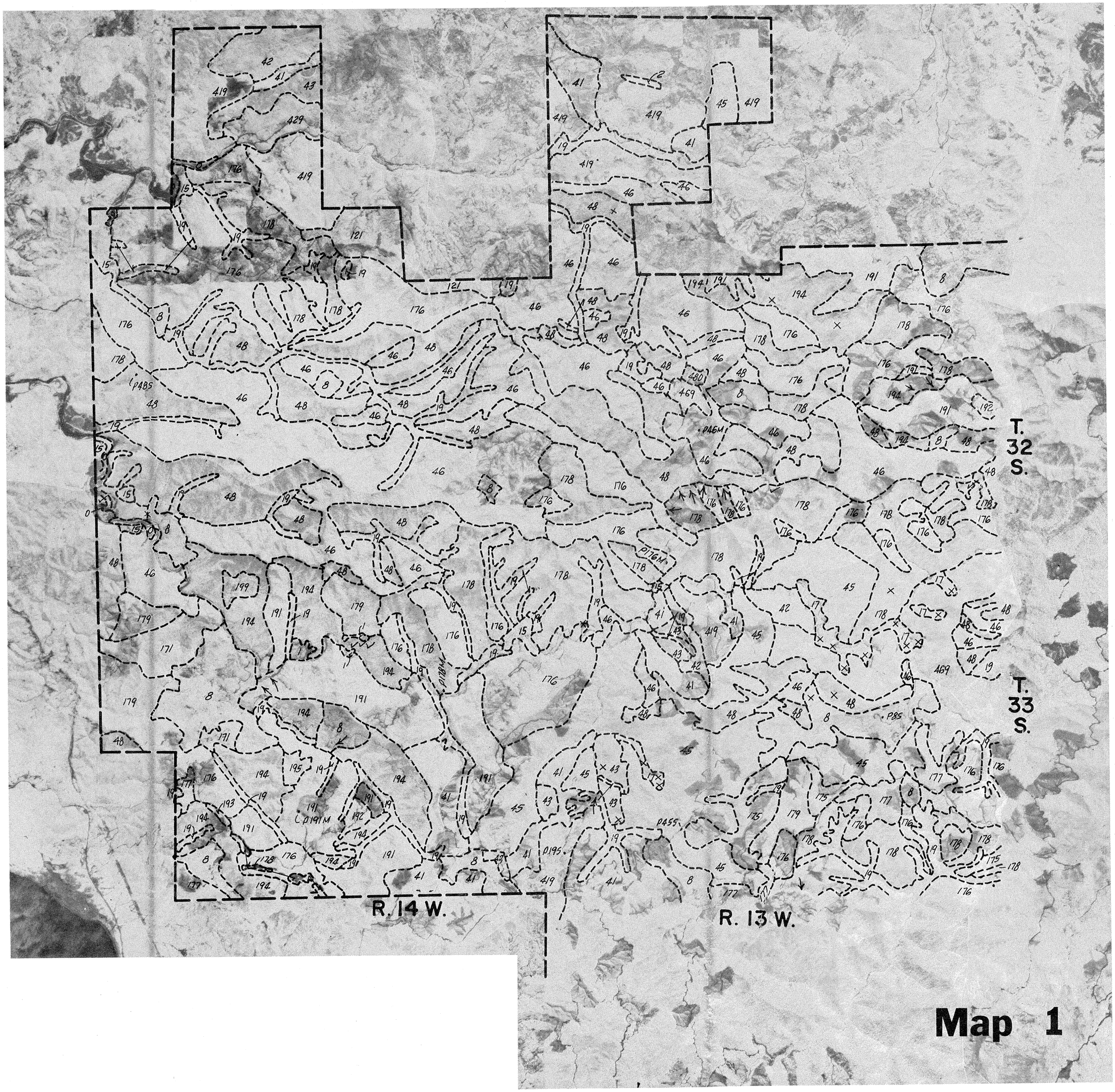
- Unsurveyed (Bureau of Land Management Protraction)

1	page 248
2	page 249
3	page 250
4	page 251
5	page 252
6	page 253
7	page 254
8	page 255
9	page 256
10	page 257
11	page 258
12	page 259
13	page 260
14	page 261
15	page 262
16	page 263
17	page 264
18	page 265
19	page 266

SOURCE DIAGRAM
USGS
USGS
USFS
USGS

KEY MAP
OREGON



1" = 1 MILE

1 0 1 2 3 MILES

U.S. FOREST SERVICE
SISKIYOU NATIONAL FOREST
SOIL RESOURCE INVENTORY

T. 32 S.

T. 33 S.

R. 12 W.

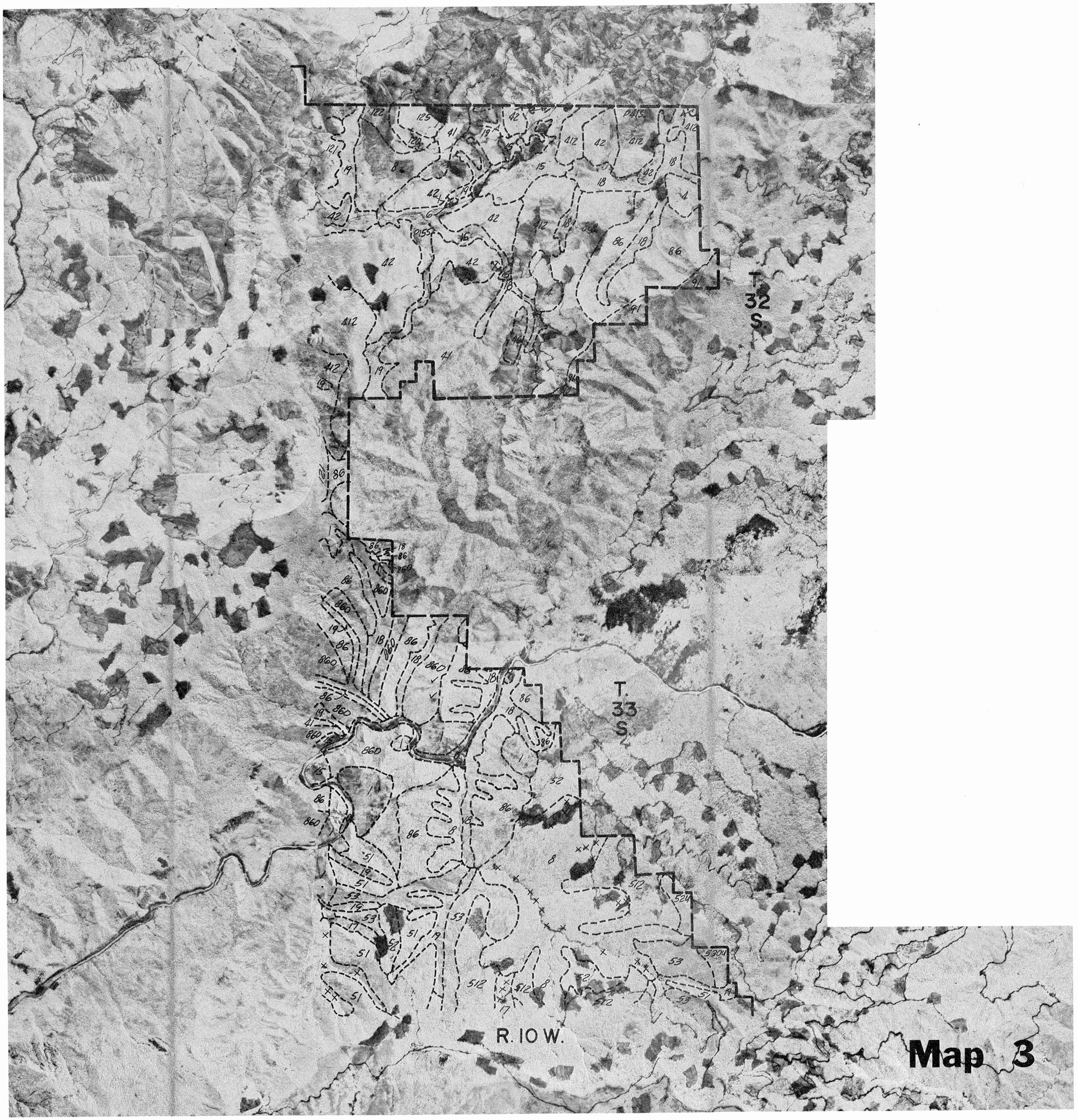
R. 11 W.

Map 2

1" = 1 MILE

0 1 2 3 MILES

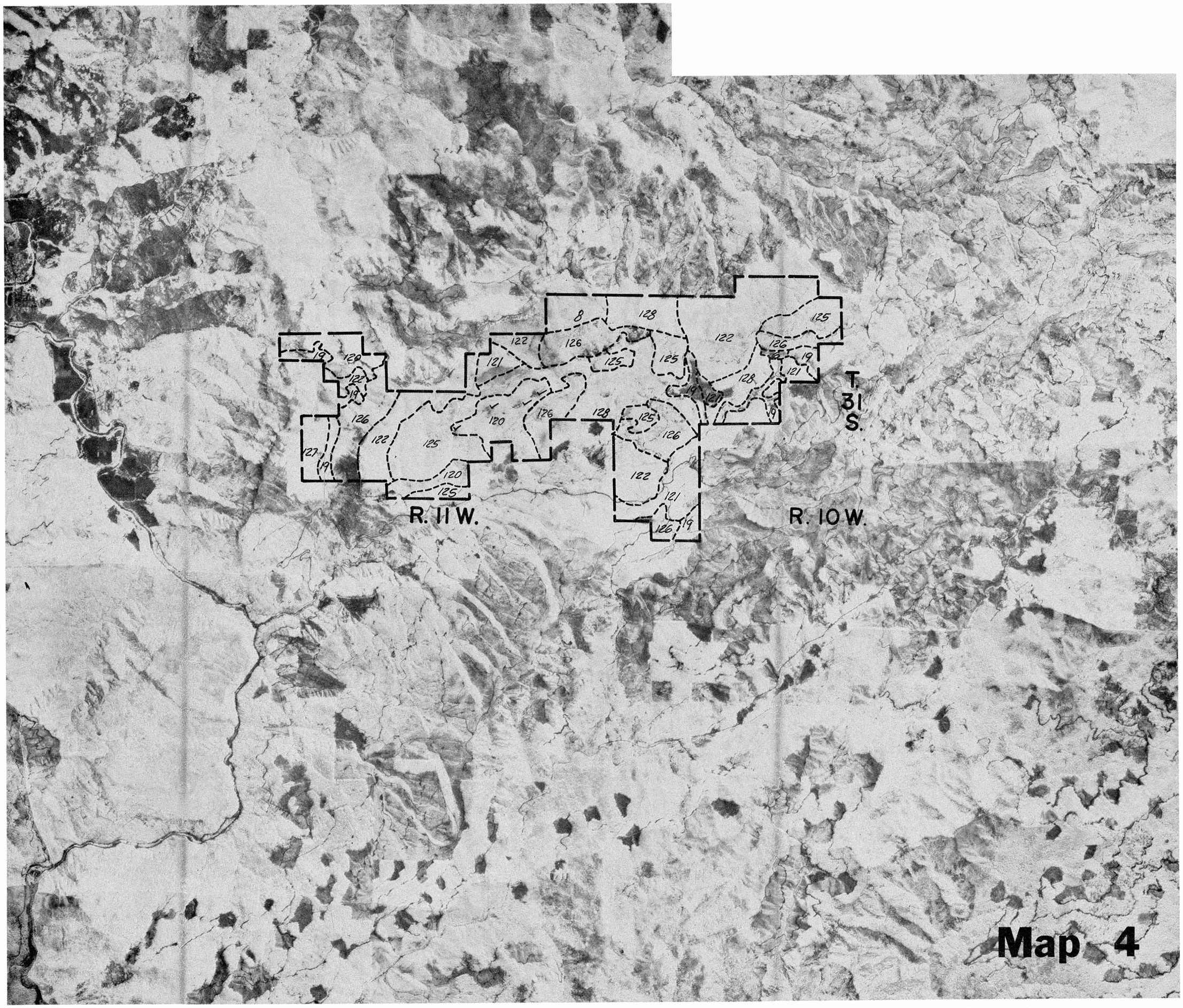
U.S. FOREST SERVICE
SISKIYOU NATIONAL FOREST
SOIL RESOURCE INVENTORY



1" = 1 MILE

0 1 2 3 MILES

U.S. FOREST SERVICE
SISKIYOU NATIONAL FOREST
SOIL RESOURCE INVENTORY



1 " = 1 MILE

1 0 1 2 3 MILES

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1" = 1 MILE

0 1 2 3 MILES

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T. 34 S.

T. 35 S.

R. 12 W.

R. 11 W.

Map 6

1" = 1 MILE

1 0 1 2 3 MILES

U.S. FOREST SERVICE
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SOIL RESOURCE INVENTORY

T. 34 S.

T. 35 S.

R. 12 W.

R. 11 W.

Map 6

1" = 1 MILE

1 0 1 2 3 MILES

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T. 34 S.

T. 35 S.

R. 10 W.

R. 9 W.

Map 7

1" = 1 MILE

1 0 1 2 3 MILES

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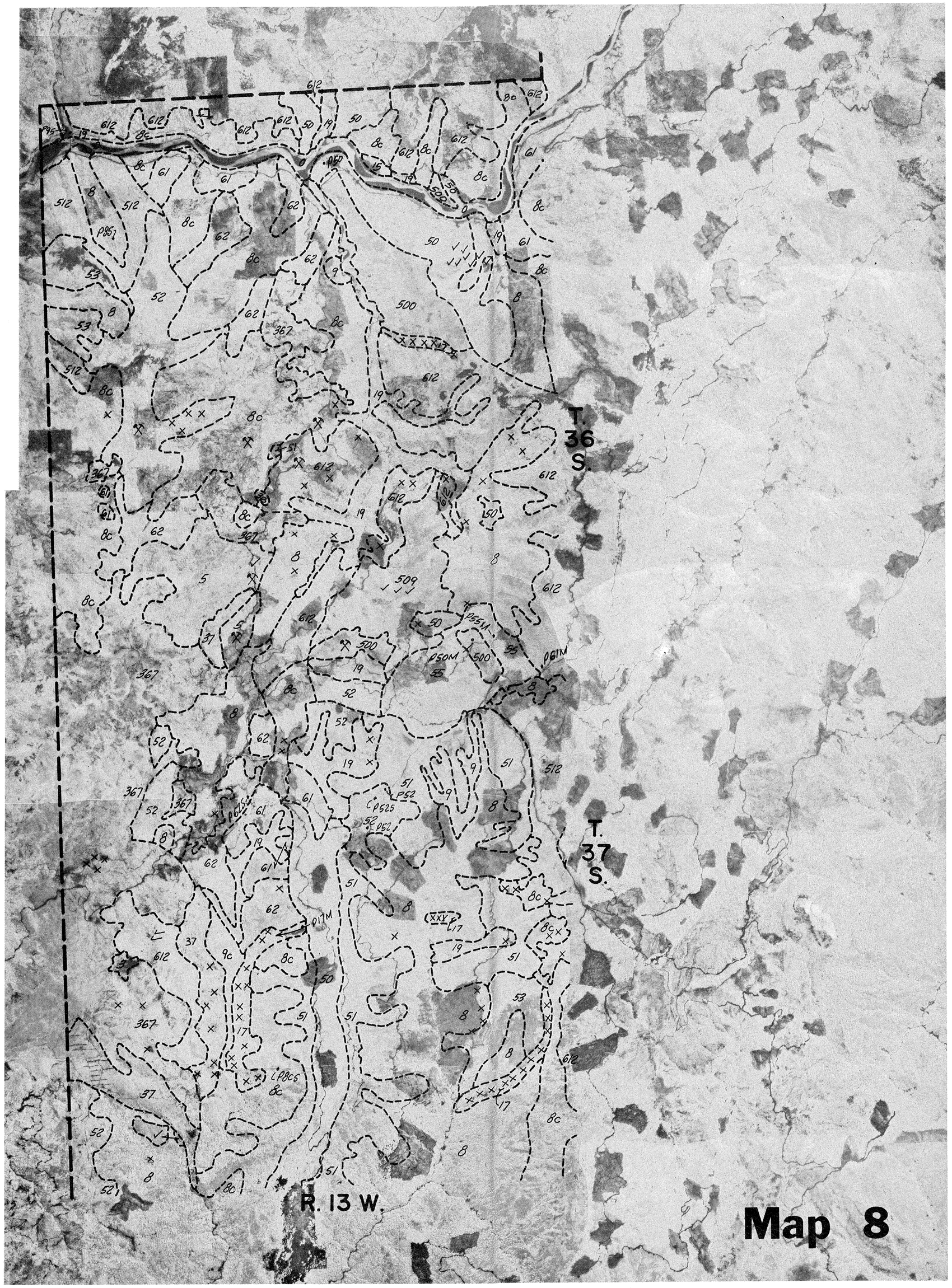
SOIL RESOURCE INVENTORY



1 " = 1 MILE

1 0 1 2 3 MILES

U.S. FOREST SERVICE
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T. 36 S.

T. 37 S.

R. 12 W.

R. 11 W.

Map 9

1 " = 1 MILE

1 0 1 2 3 MILES

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T. 36 S.

T. 37 S.

R. 10 W.

R. 9 W.

Map 10

1" = 1 MILE

1 0 1 2 3 MILES

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SOIL RESOURCE INVENTORY

T. 35 S.

T. 36 S.

R. 8 W.

R. 7 W.

Map 11

1" = 1 MILE

1 0 1 2 3 MILES

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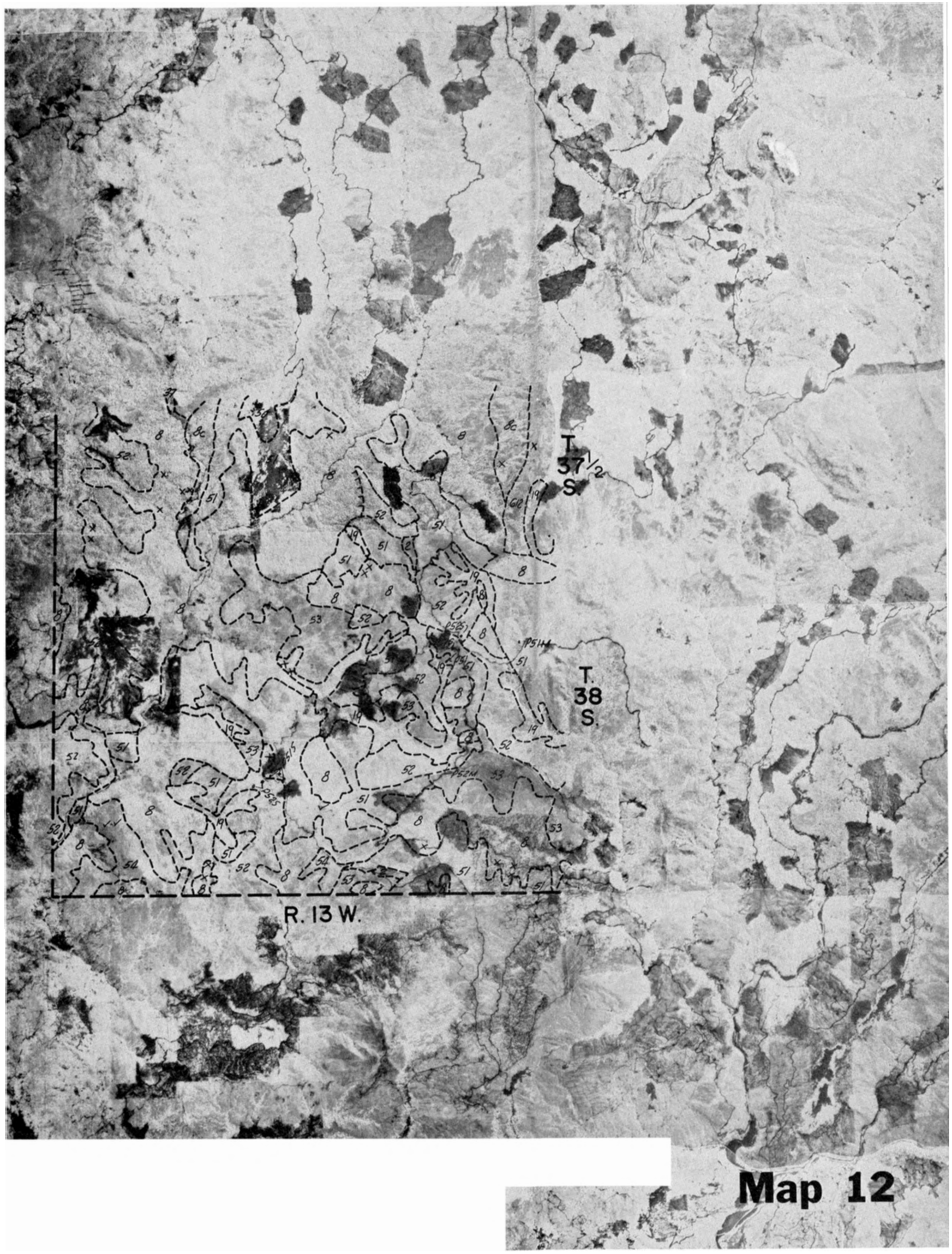

Map 12

1 " = 1 MILE

1 0 1 2 3 MILES

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SOIL RESOURCE INVENTORY

T. 38 S.

T. 39 S.

R. 12 W.

R. 11 W.

Map 13

1" = 1 MILE

1 0 1 2 3 MILES

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SOIL RESOURCE INVENTORY

T. 38 S.

T. 39 S.

R. 10 W.

R. 9 W.

Map 14

1" = 1 MILE

1 0 1 2 3 MILES

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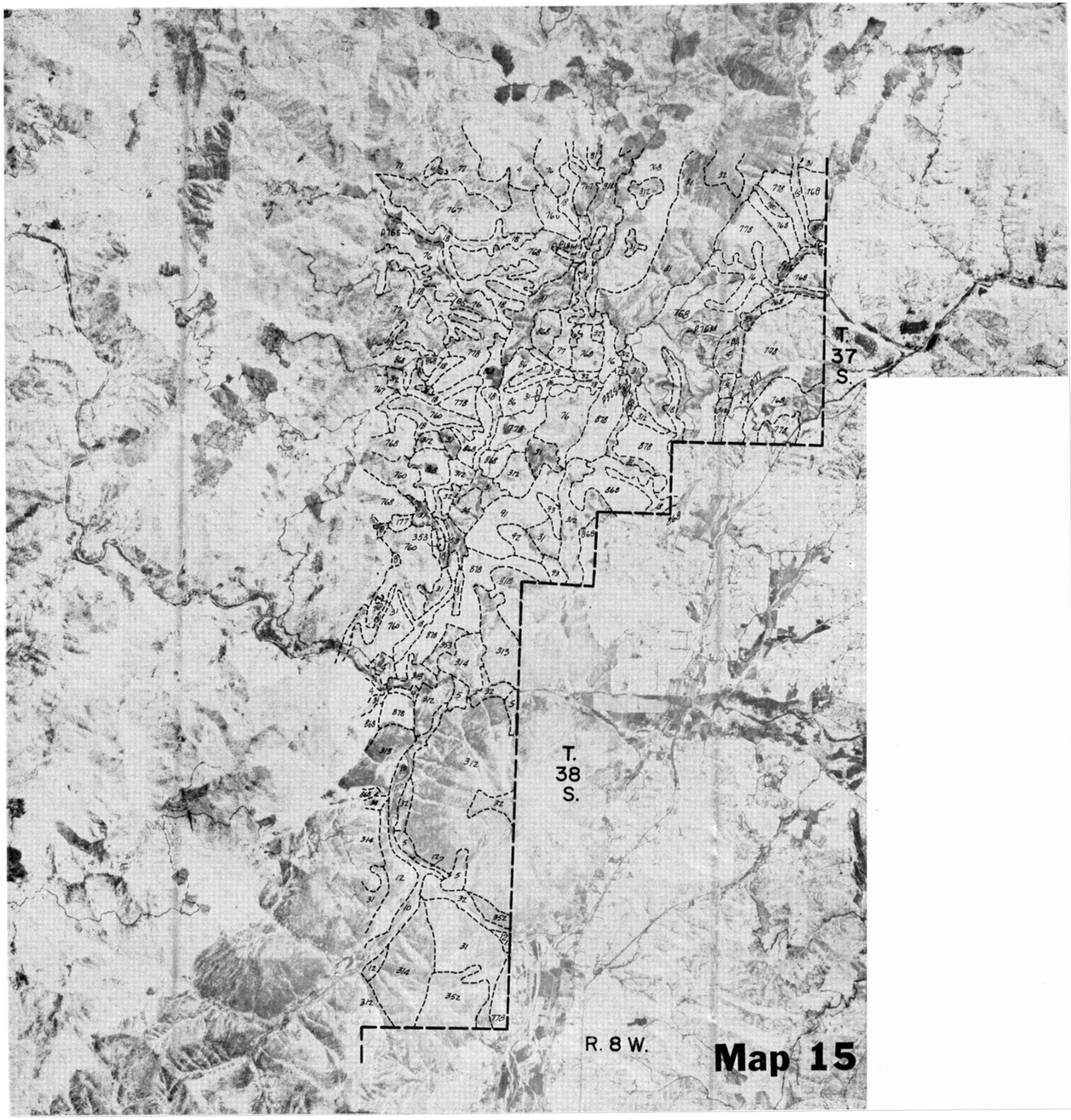
SOIL RESOURCE INVENTORY



1 " = 1 MILE

1 0 1 2 3 MILES

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SOIL RESOURCE INVENTORY

T. 40 S.

T. 41 S.

R. 12 W.

R. 11 W.

Map 16

1" = 1 MILE

1 0 1 2 3 MILES

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SOIL RESOURCE INVENTORY

T. 40 S.

T. 41 S.

T. 48 N.

R. 2 E.

R. 3 E.

R. 4 E.

Map 17

1" = 1 MILE

1 0 1 2 3 MILES

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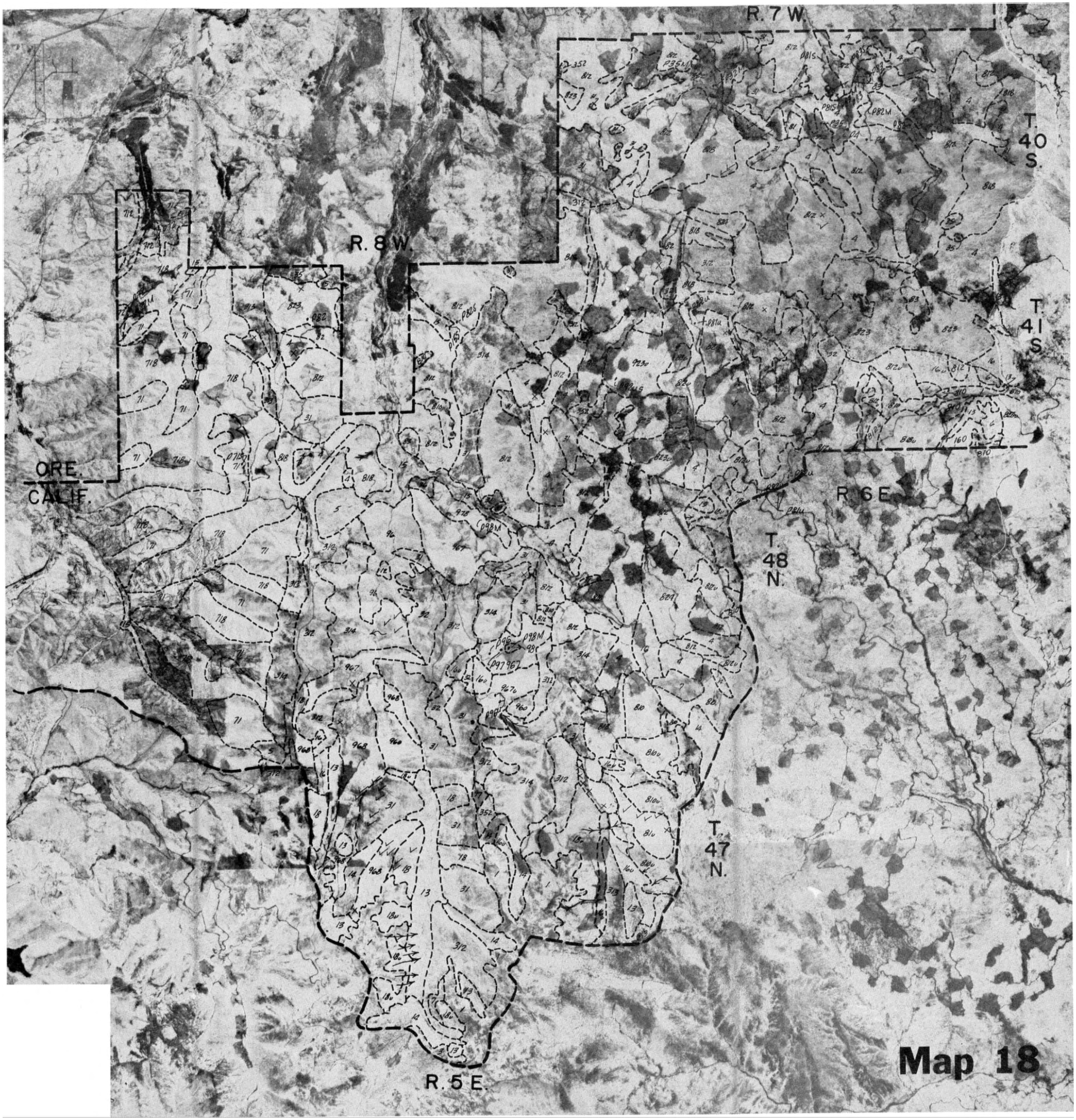
SOIL RESOURCE INVENTORY



1 " = 1 MILE

1 0 1 2 3 MILES

U.S. FOREST SERVICE
SISKIYOU NATIONAL FOREST
SOIL RESOURCE INVENTORY

R. 7 W.

R. 6 W.

T. 39 S.

R. 8 E.

T. 40 S.

T. 41 S.

R. 7 E.

Map 19

1" = 1 MILE

1 0 1 2 3 MILES

U.S. FOREST SERVICE

SISKIYOU NATIONAL FOREST

SOIL RESOURCE INVENTORY

*GPO 696-668