Draft Environmental Impact Report

Appendix

Hazards and Hazardous Materials

Pacheco Reservoir Expansion Project

November 2021

Attachments

Attachment A – Environmental Risk Information Services Physical Setting Report
Attachment B – Environmental Risk Information Services Database Report

Draft Environmental Impact Report

Appendix

Hazards and Hazardous Materials Appendix

Attachment A

Environmental Risk Information Services Physical Setting Report

Pacheco Reservoir Expansion Project

November 2021

PSR
PHYSICAL SETTING REPORT

Property Information

Order Number:		21012500379p
Date Completed:		January 26, 2021
Project Number:		184030902 task 006.061.6.
Project Property:		Pacheco Dam Pacheco Dam Pacheco Creek CA 95023
Coordinates:		
	Latitude:	36.9771708
	Longitude:	-121.4602147
	UTM Northing:	4107402.52835 Meters
	UTM Easting:	650919.778474 Meters
	UTM Zone:	UTM Zone 10S
	Elevation:	1,224.15 ft
	Slope Direction:	W

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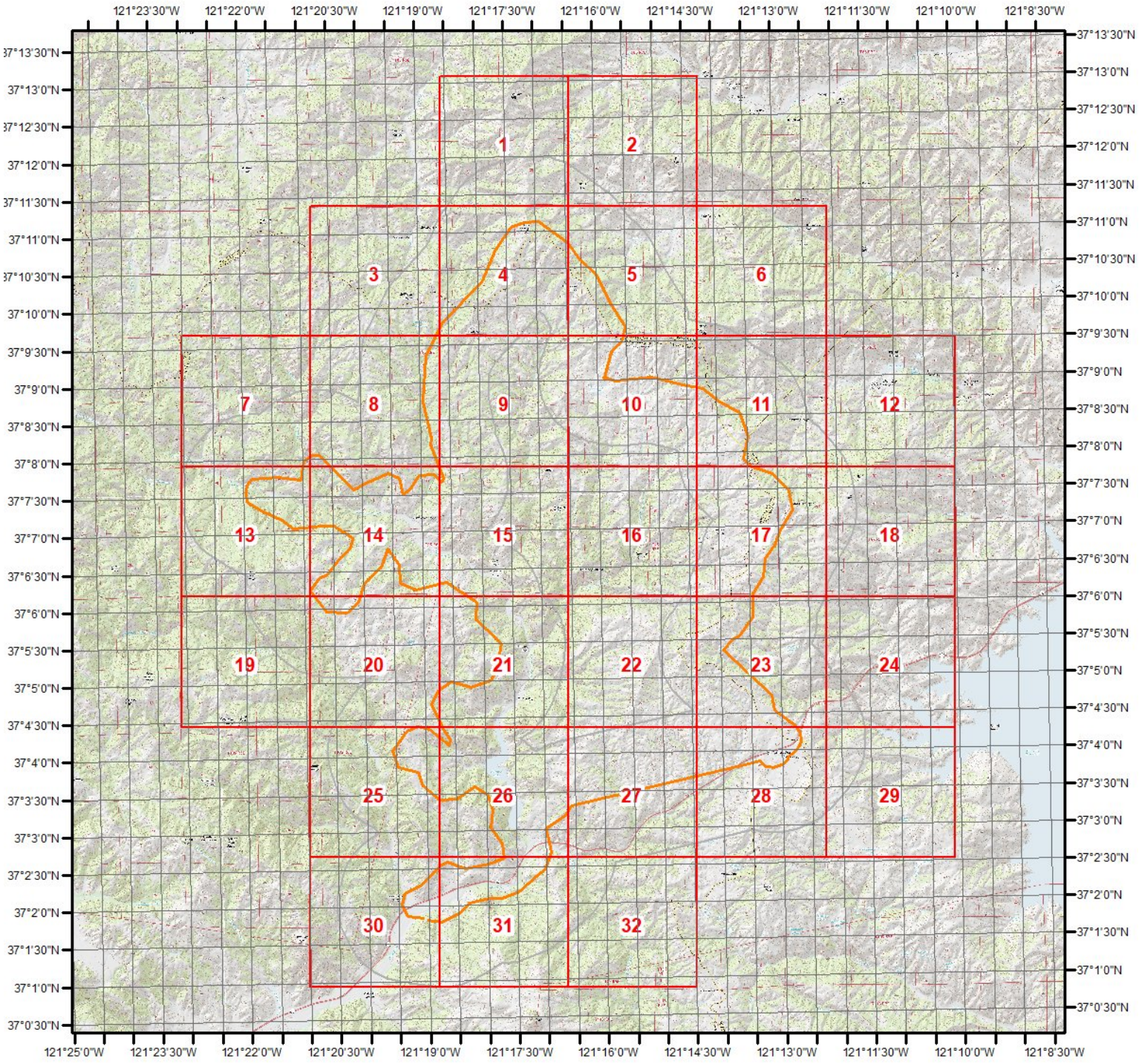
The ERIS ***Physical Setting Report - PSR*** provides comprehensive information about the physical setting around a site and includes a complete overview of topography and surface topology, in addition to hydrologic, geologic and soil characteristics. The location and detailed attributes of oil and gas wells, water wells, public water systems and radon are also included for review.

The compilation of both physical characteristics of a site and additional attribute data is useful in assessing the impact of migration of contaminants and subsequent impact on soils and groundwater.

Disclaimer

This Report does not provide a full environmental evaluation for the site or adjacent properties. Please see the terms and disclaimer at the end of the Report for greater detail.

Topographic Information



Current USGS Topo (2015)

0 0.4 0.8 1.6 2.4 3.2 4 4.8 Miles

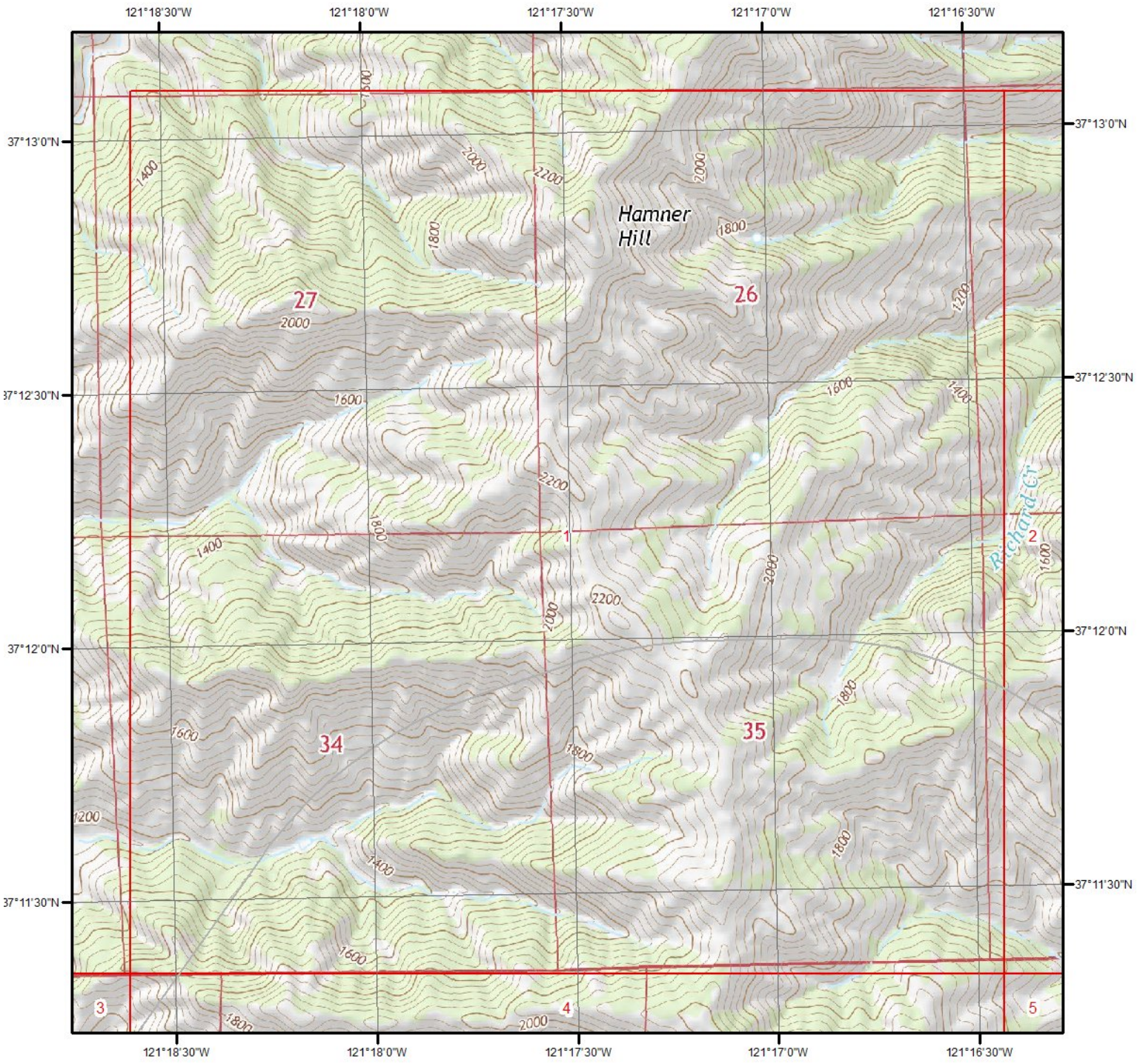
N

Quadrangle(s): Crevison Peak,CA; Gilroy Hot Springs,CA; Howard Ranch,CA; Los Banos Valley,CA; Mariposa Peak,CA; Mississippi Creek,CA; Mou

Source: USGS 7.5 Minute Topographic Map

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ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 1

0 0.2 0.4 0.8 Miles

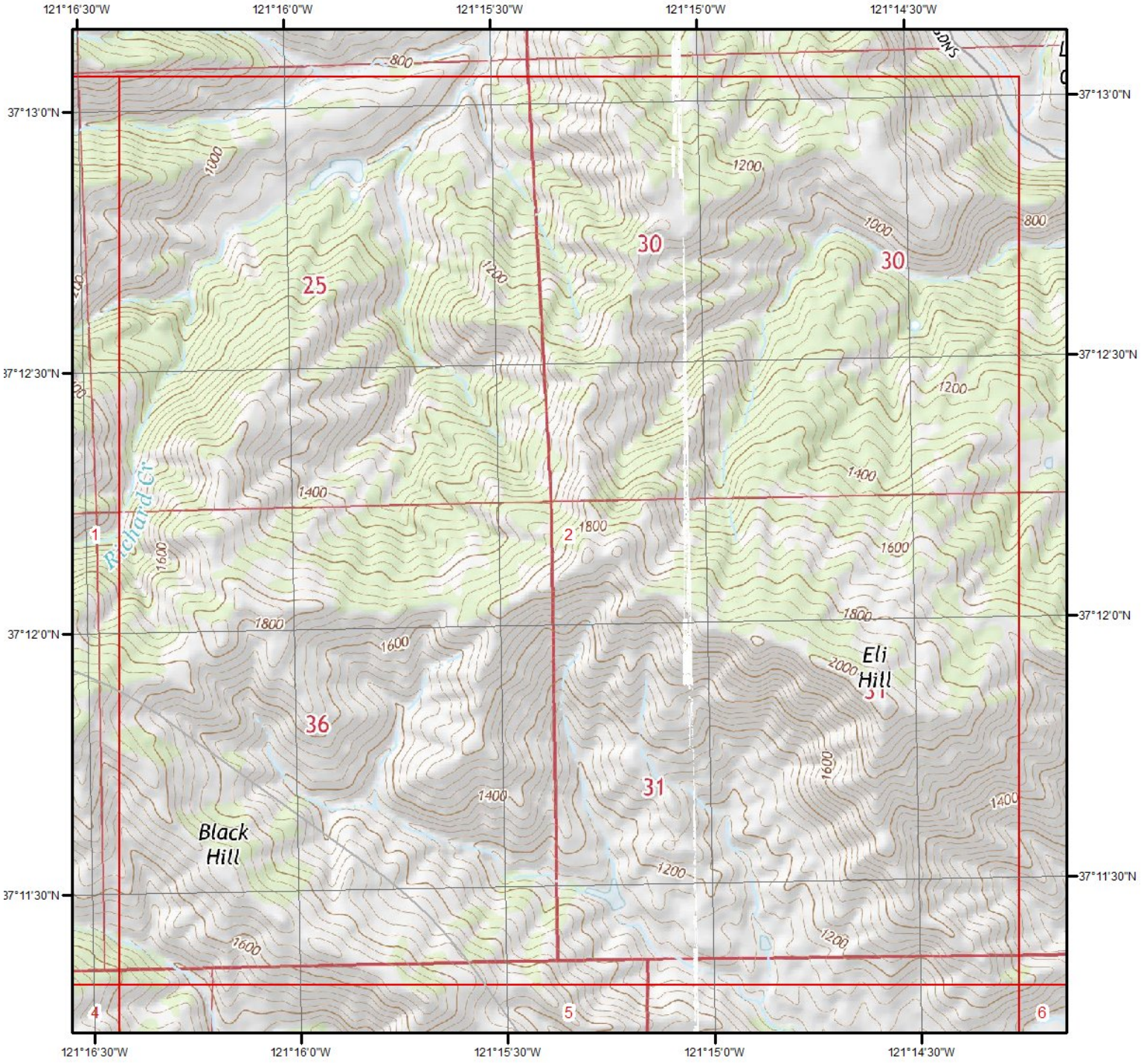
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Quadrangle(s): Mustang Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 2

0 0.2 0.4 0.8 Miles

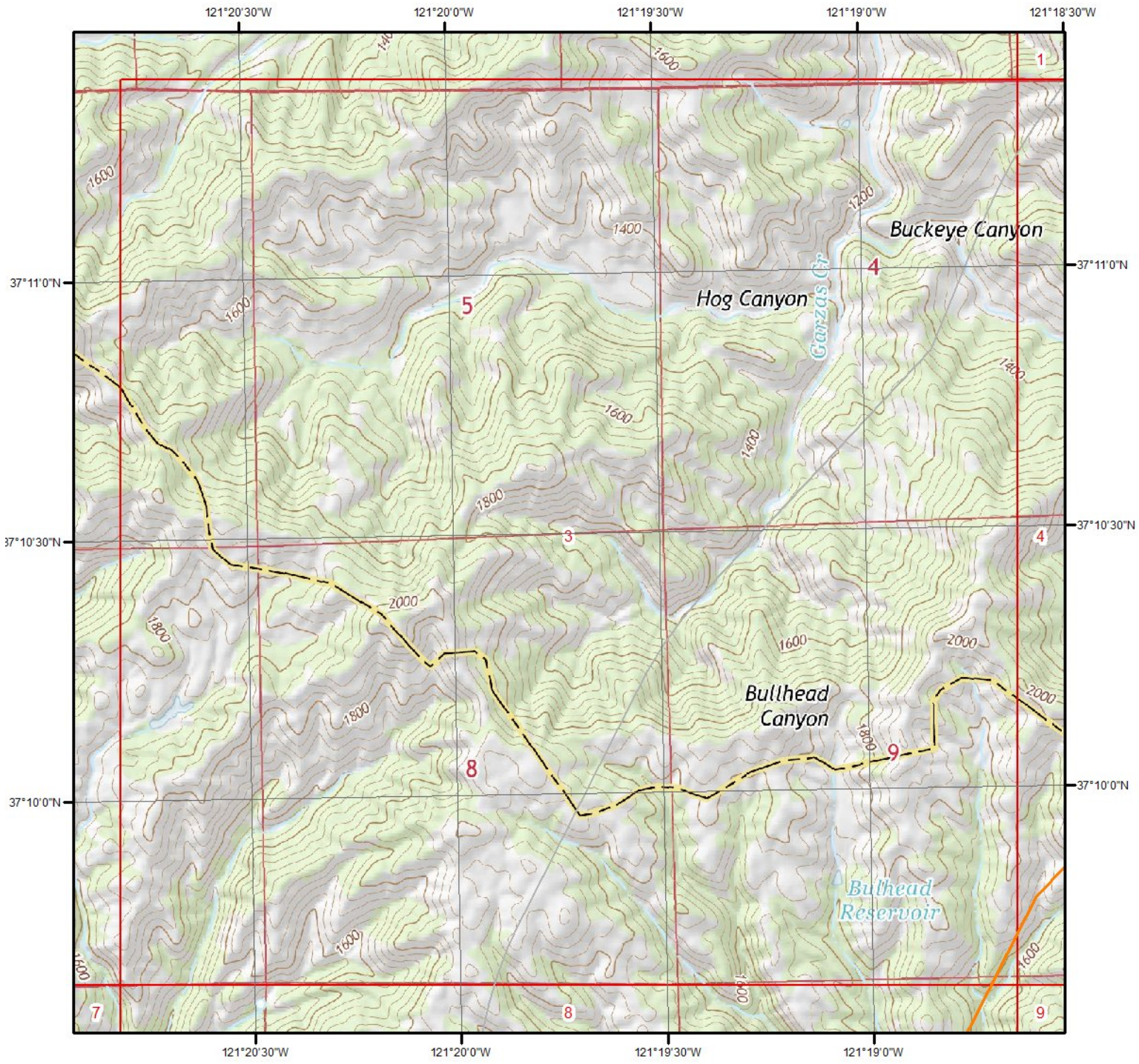
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Quadrangle(s): Crevison Peak,CA; Mustang Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 3

0 0.2 0.4 0.8 Miles

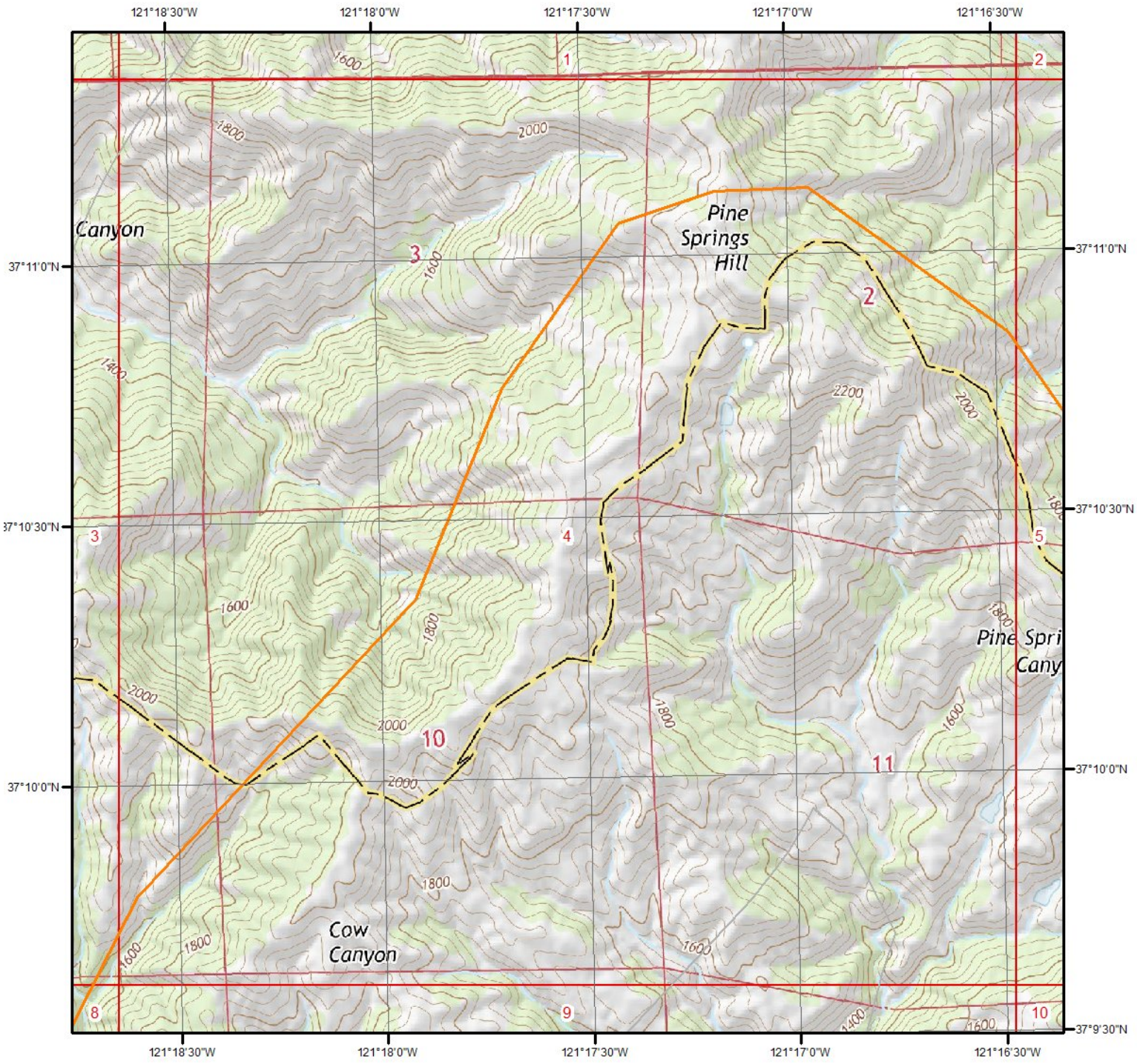
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Quadrangle(s): Mustang Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 4

0 0.2 0.4 0.8 Miles

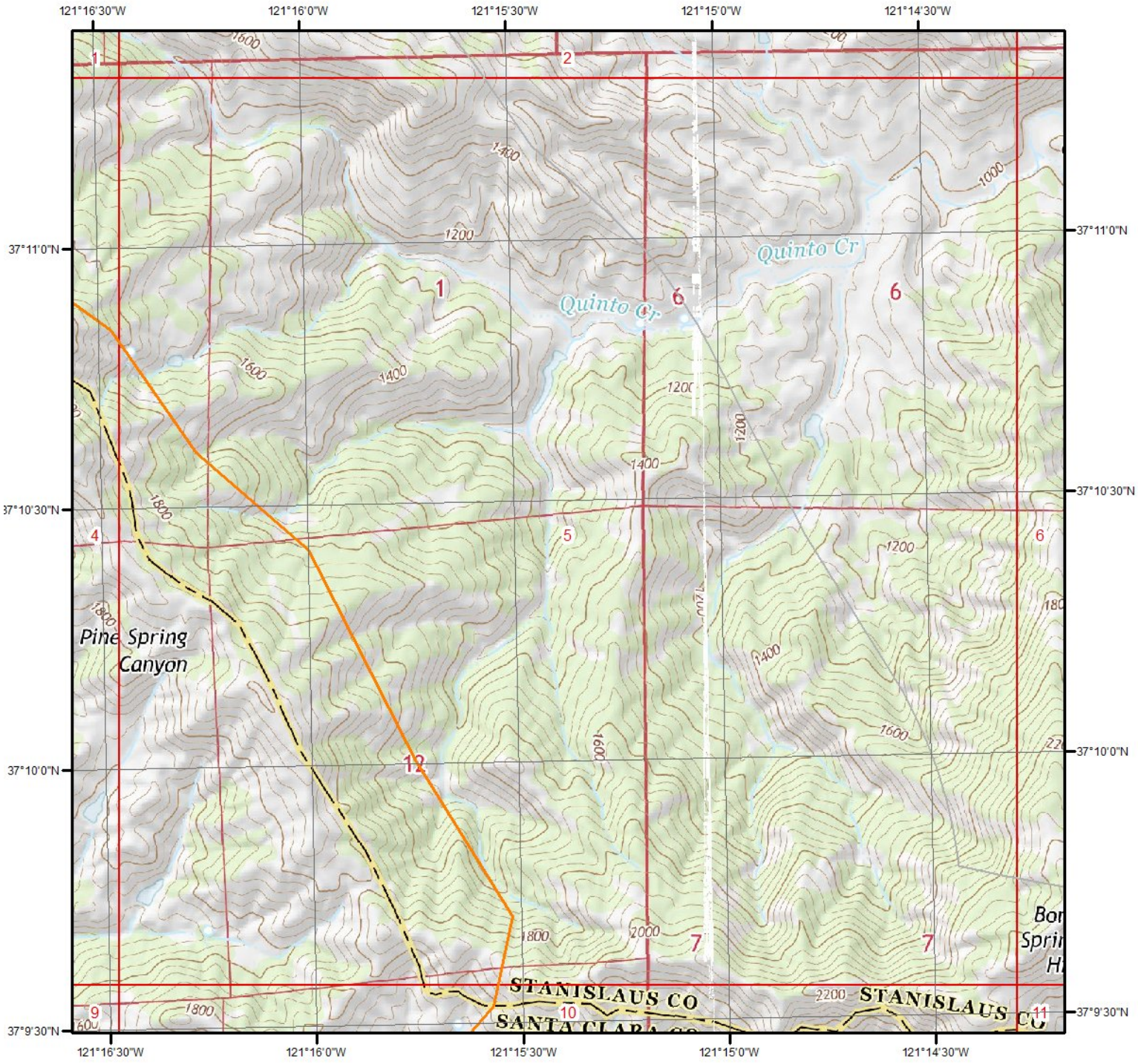
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Quadrangle(s): Mustang Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 5

0 0.2 0.4 0.8 Miles

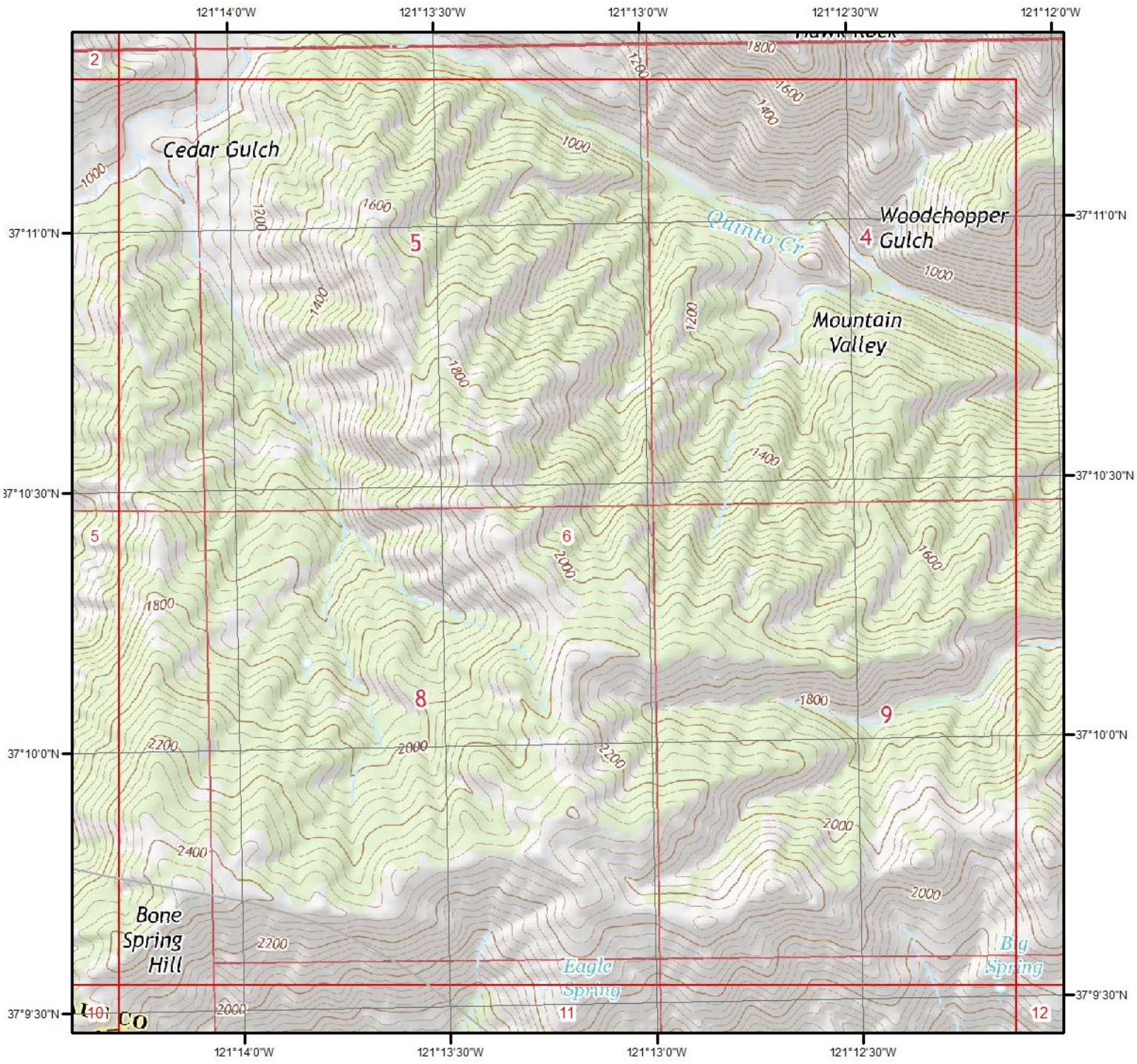
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Quadrangle(s): Crevison Peak,CA; Mustang Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 6

Miles
0 0.2 0.4 0.8

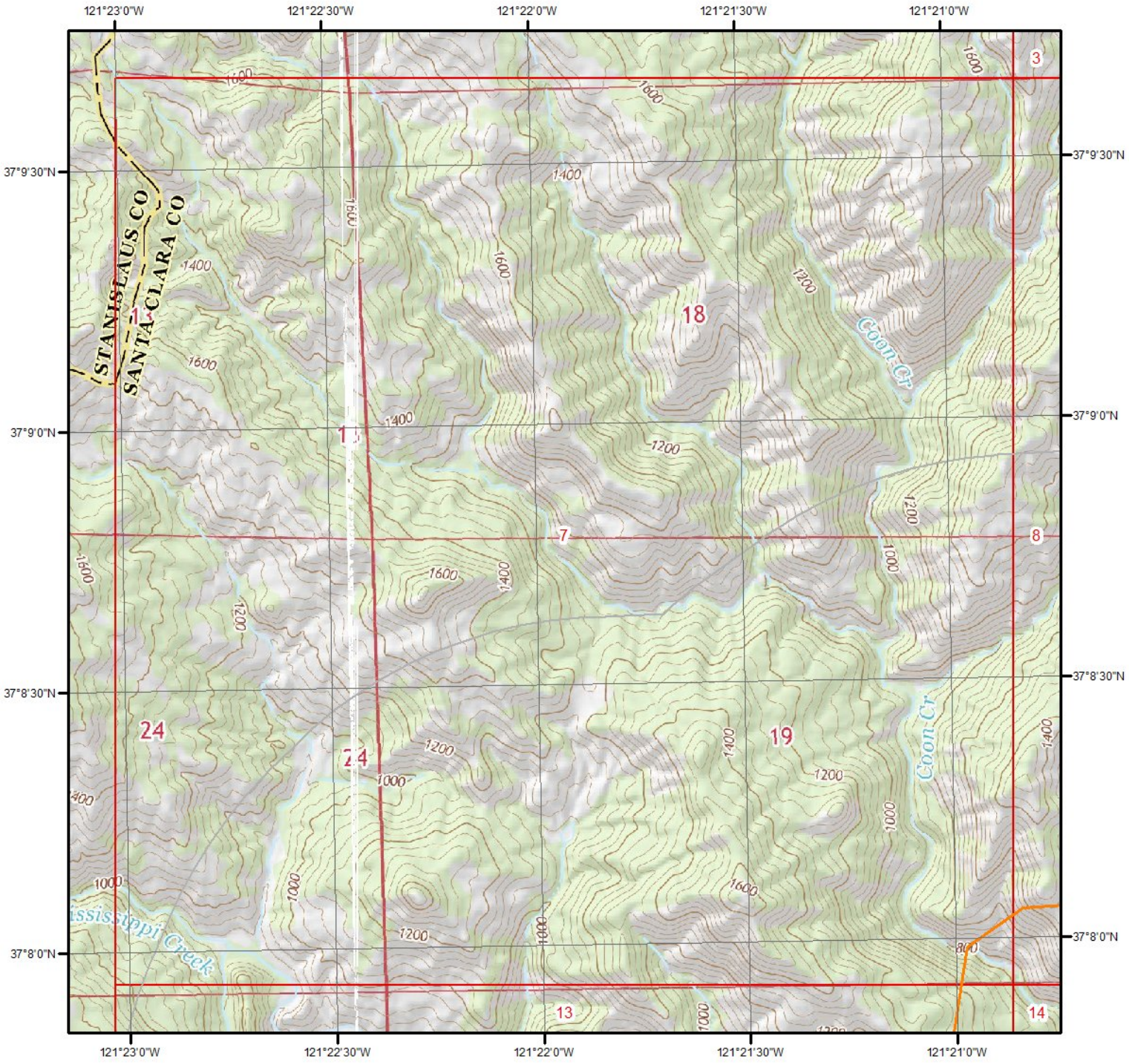
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Quadrangle(s): Crevison Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 7

0 0.2 0.4 0.8 Miles

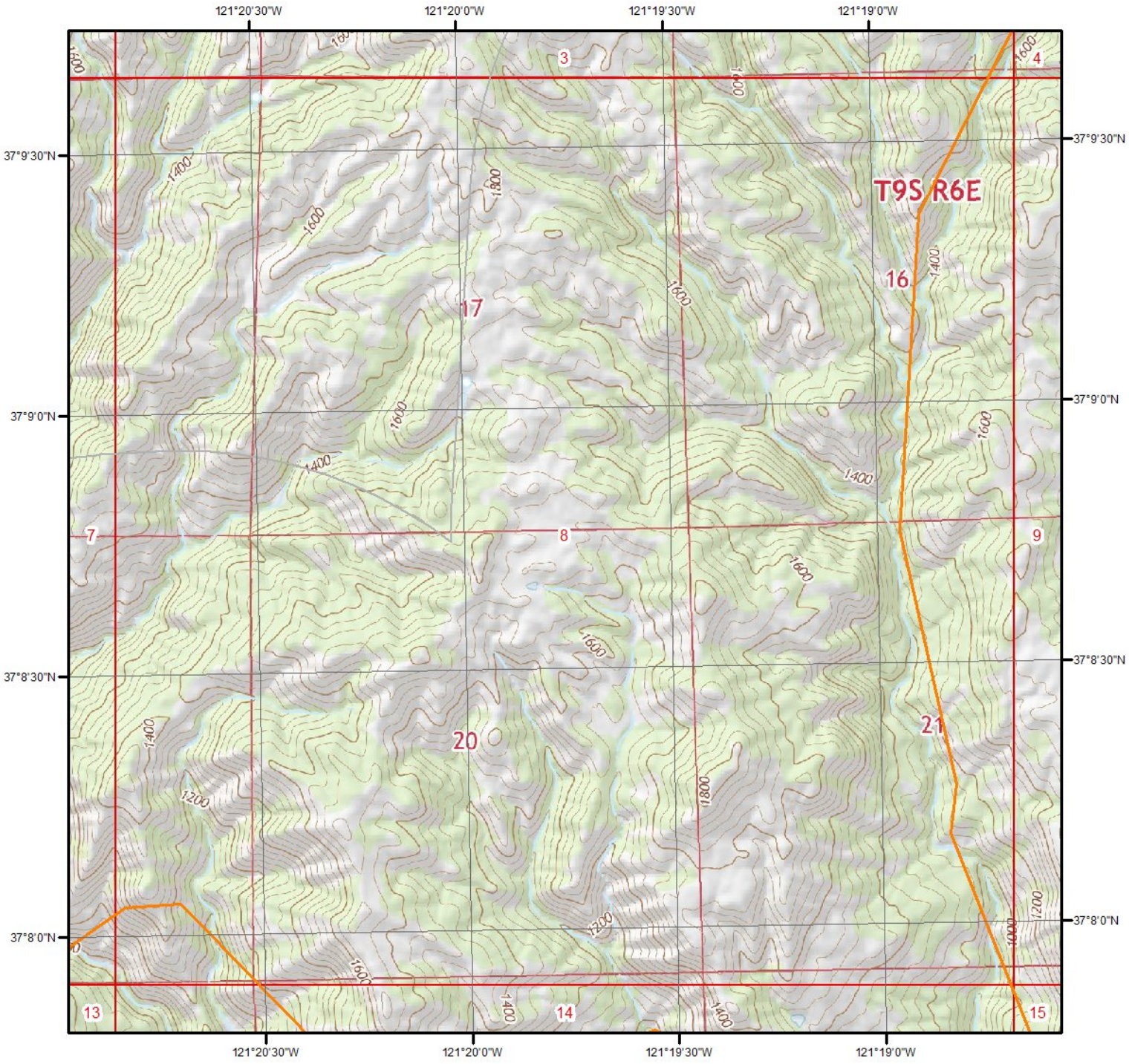
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Quadrangle(s): Mississippi Creek,CA; Mustang Peak,CA

Source: USGS 7.5 Minute Topographic Map

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ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 8

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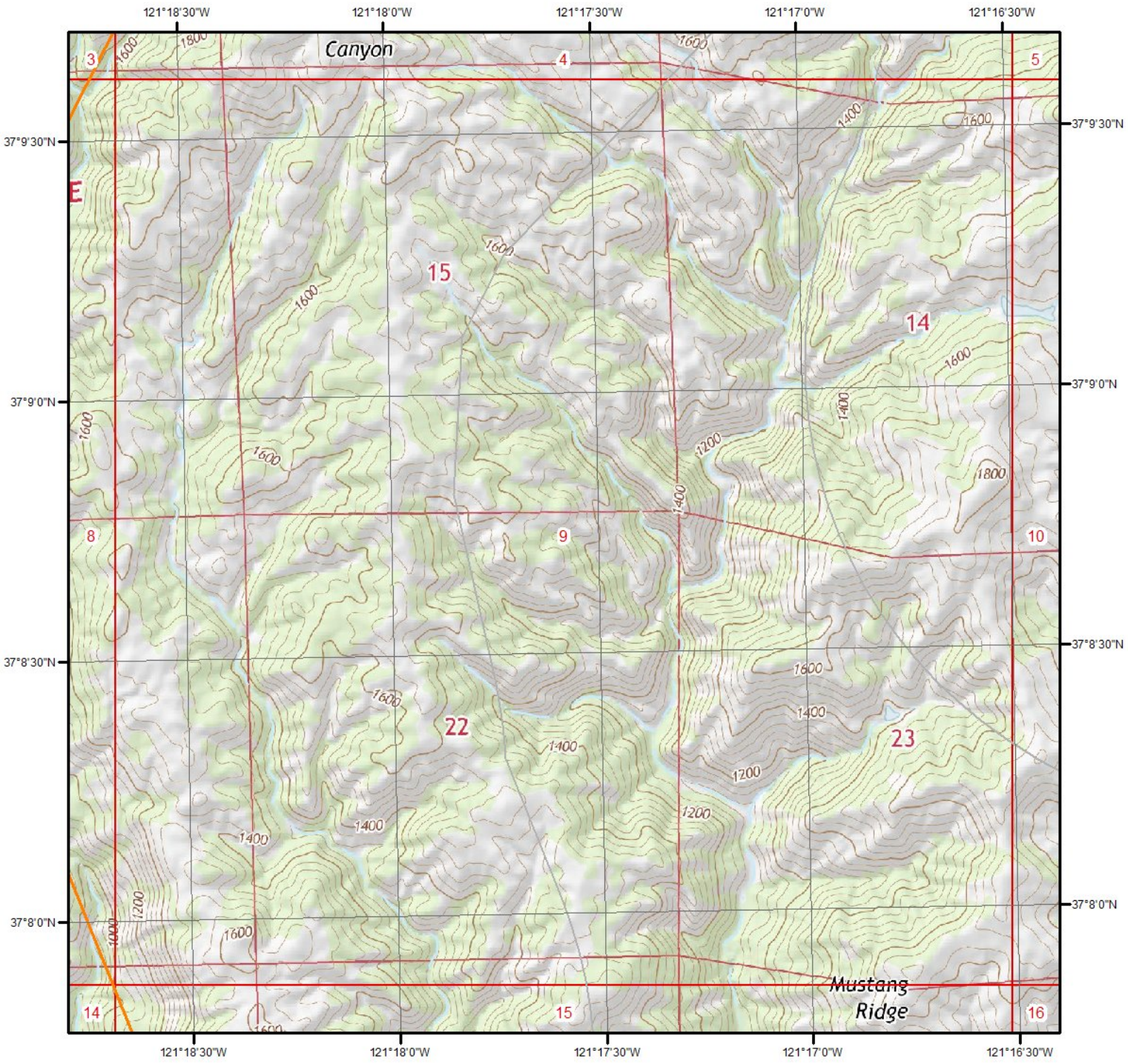
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Quadrangle(s): Mustang Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 9

0 0.2 0.4 0.8 Miles

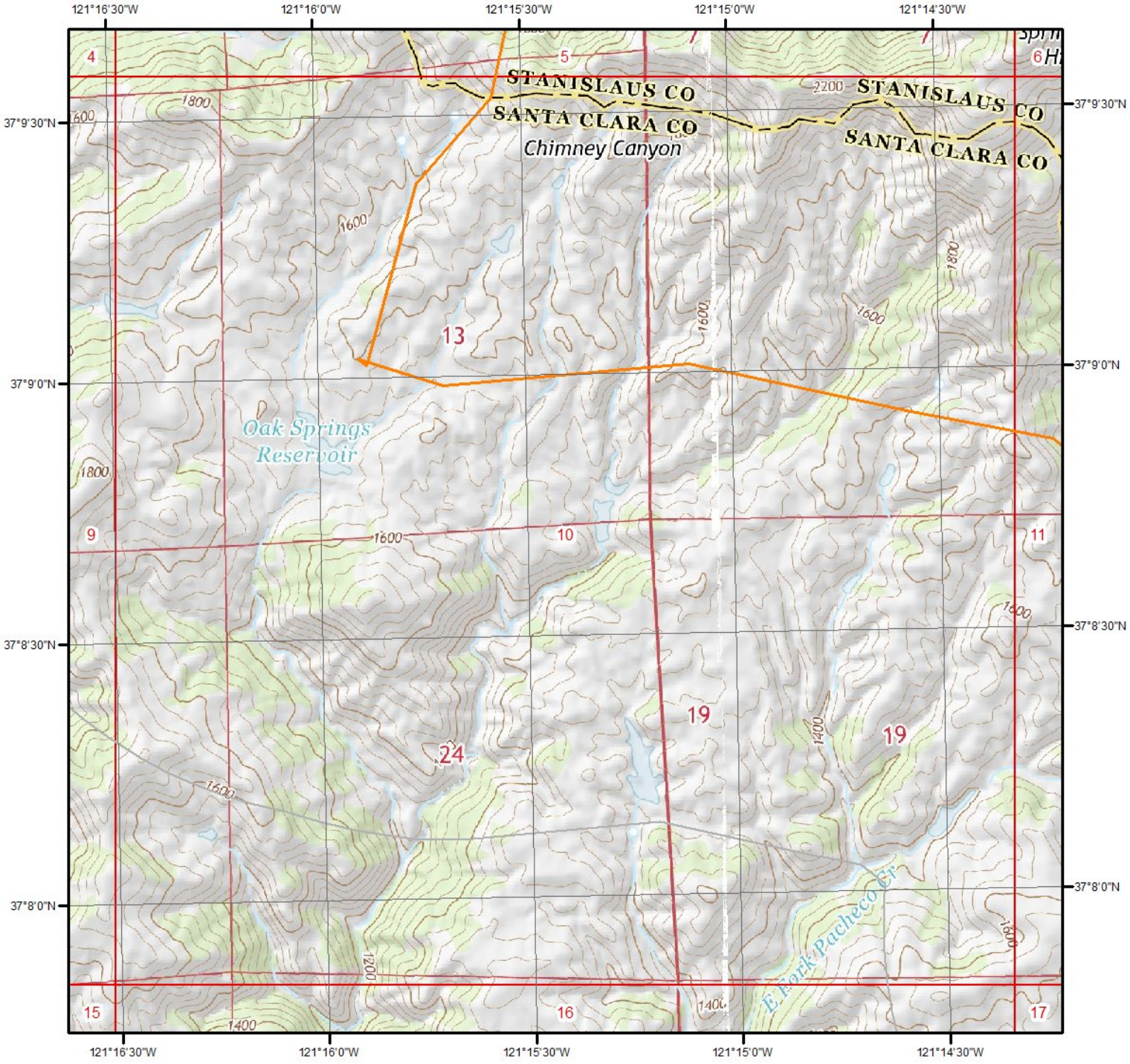
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Quadrangle(s): Mustang Peak,CA

Source: USGS 7.5 Minute Topographic Map

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ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 10

0 0.2 0.4 0.8 Miles

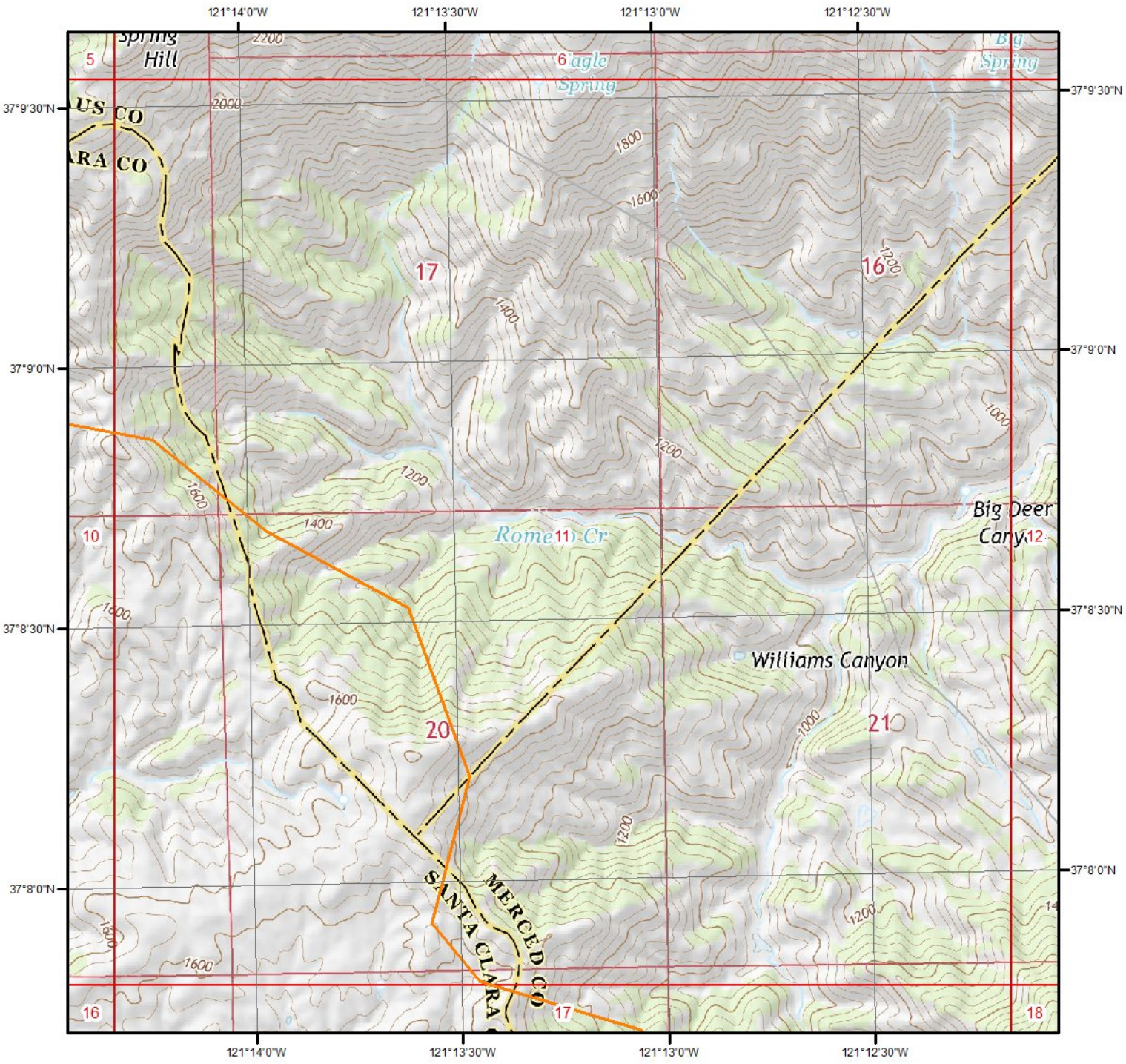
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Quadrangle(s): Crevison Peak,CA; Mustang Peak,CA

Source: USGS 7.5 Minute Topographic Map

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ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 11

0 0.2 0.4 0.8 Miles

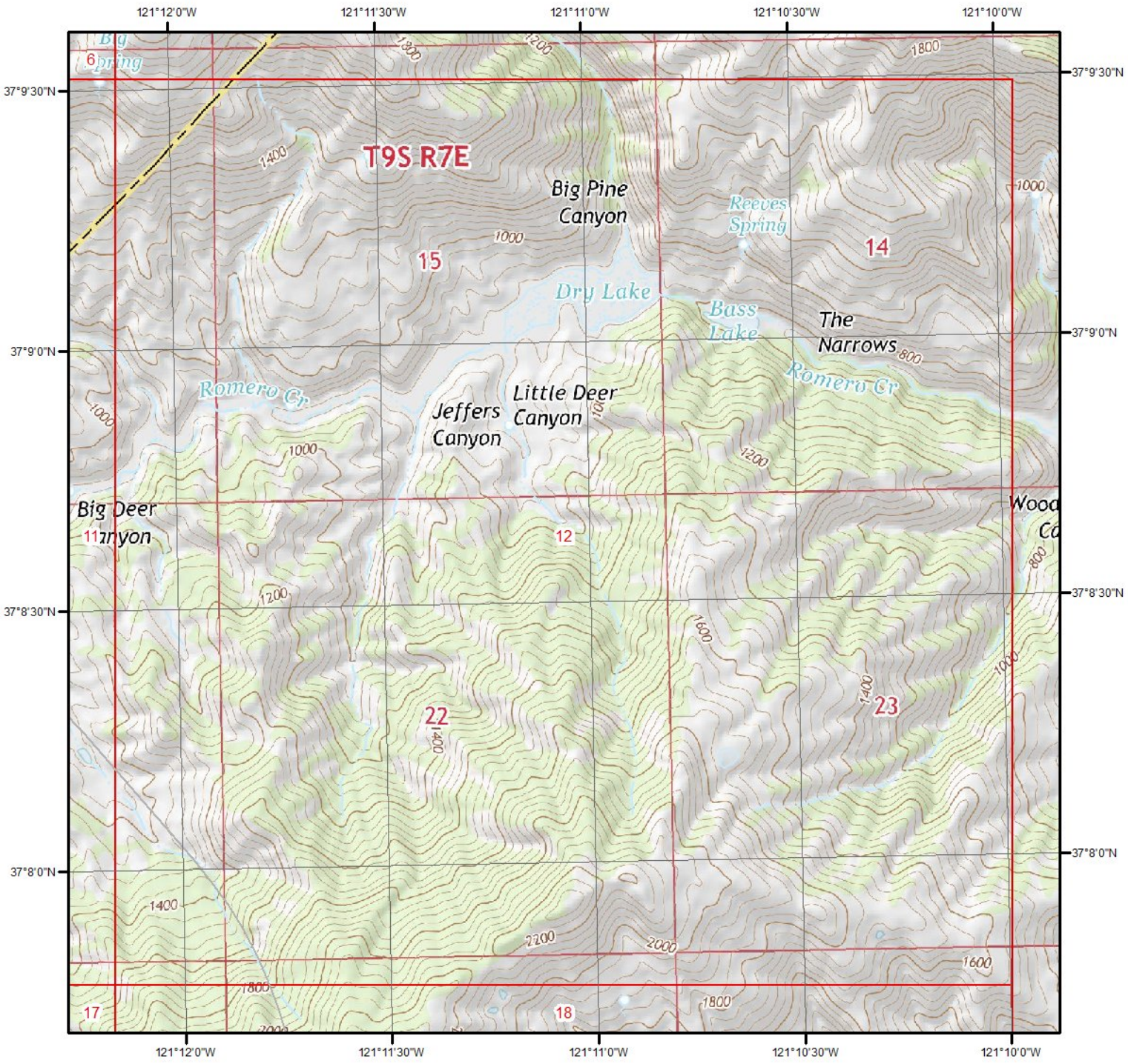
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Quadrangle(s): Crevison Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 12

0 0.2 0.4 0.8 Miles

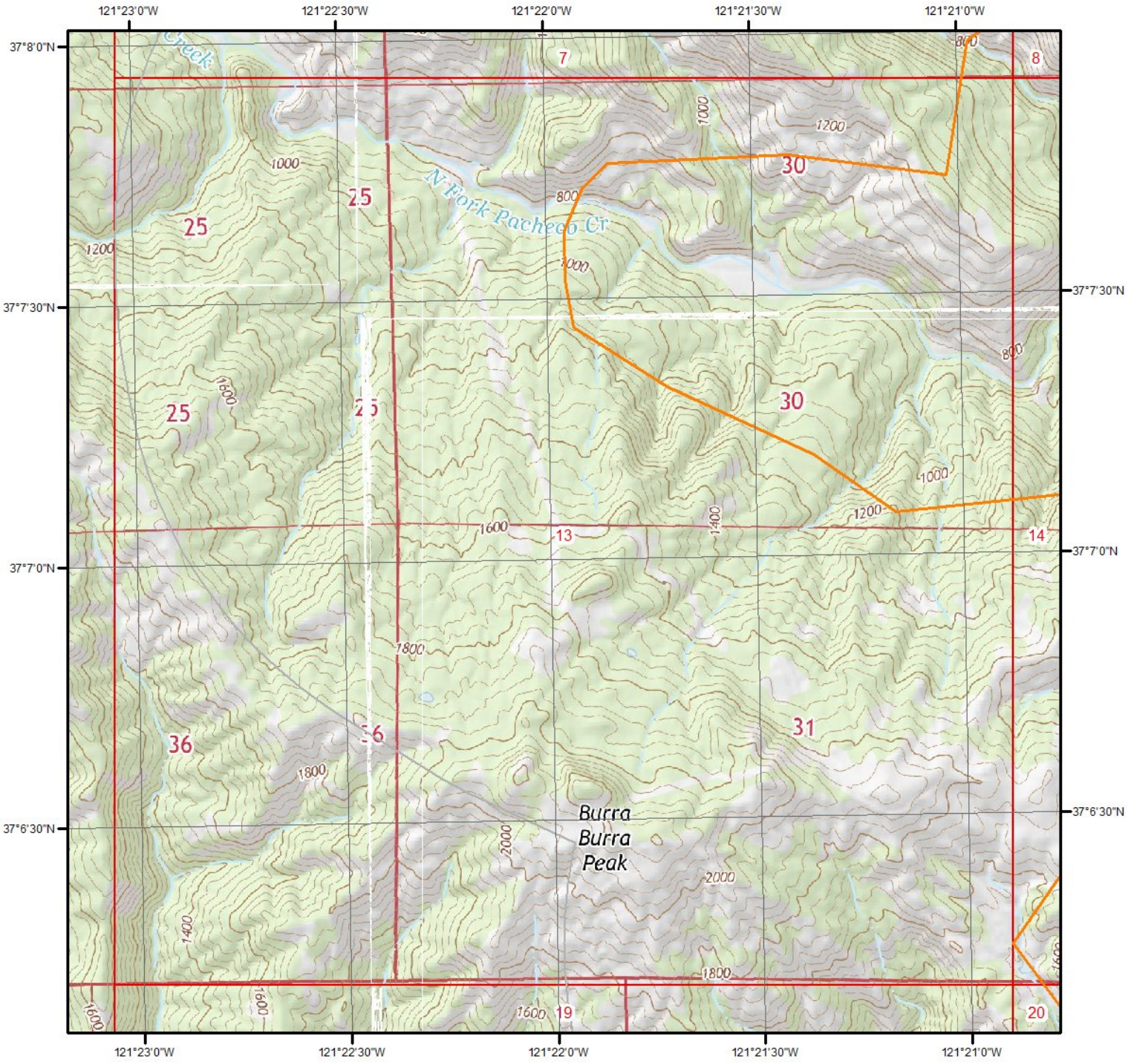
N

Quadrangle(s): Crevison Peak,CA

Source: USGS 7.5 Minute Topographic Map

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ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 13

0 0.2 0.4 0.8 Miles

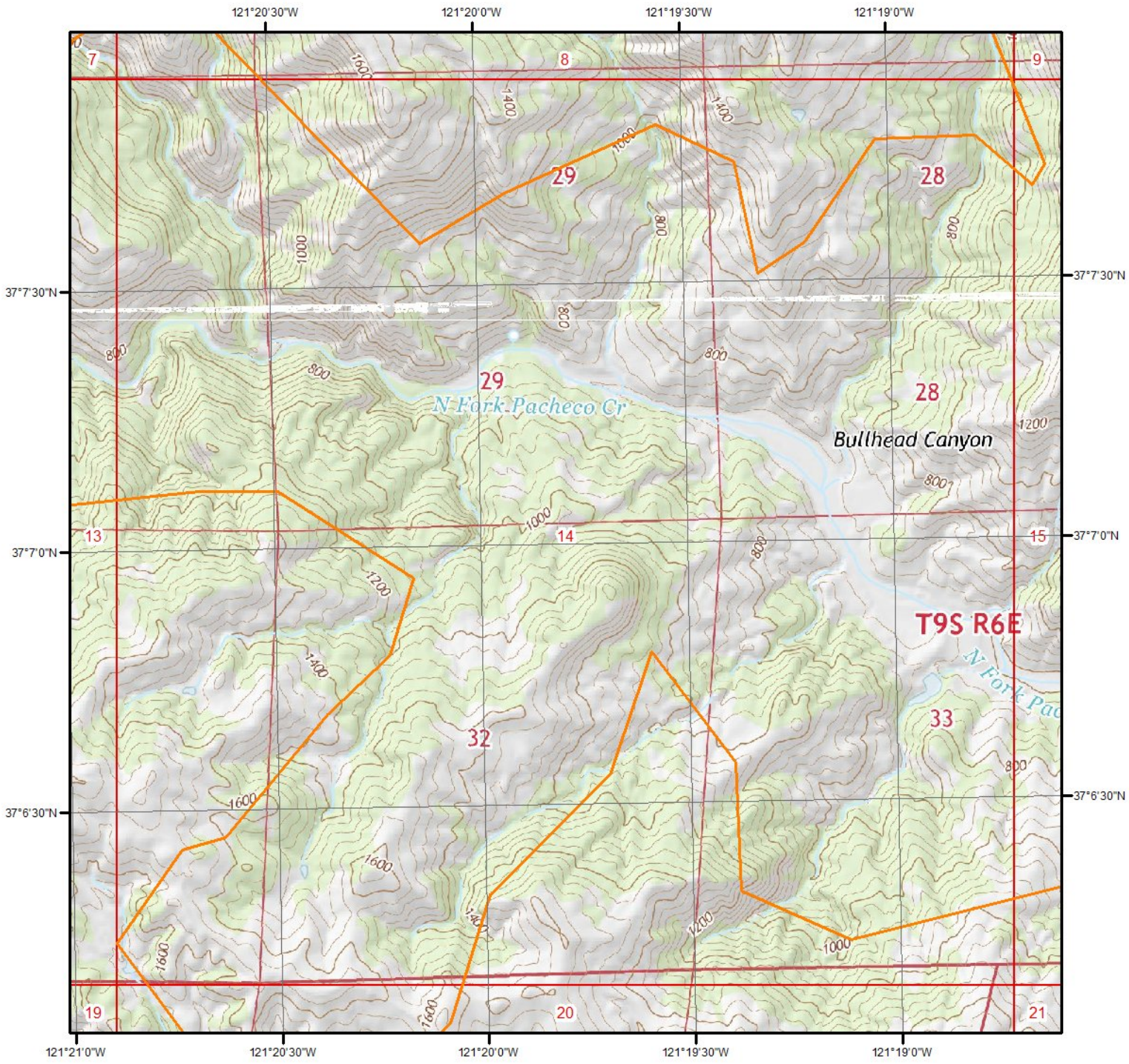
N

Quadrangle(s): Gilroy Hot Springs,CA; Mississippi Creek,CA; Mustang Peak,CA; Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 14

0 0.2 0.4 0.8 Miles

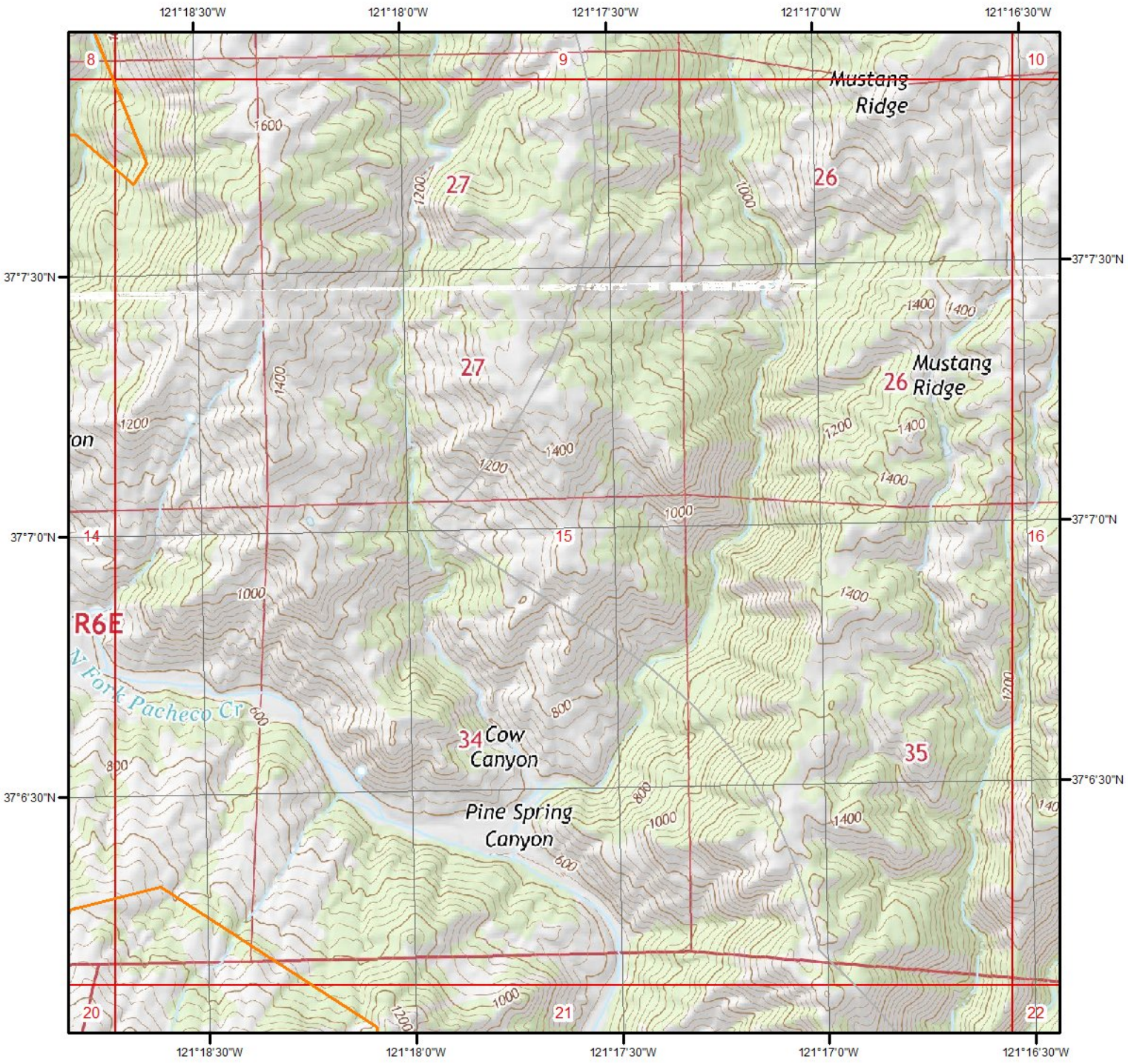
N

Quadrangle(s): Mustang Peak,CA; Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

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ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 15

0 0.2 0.4 0.8 Miles

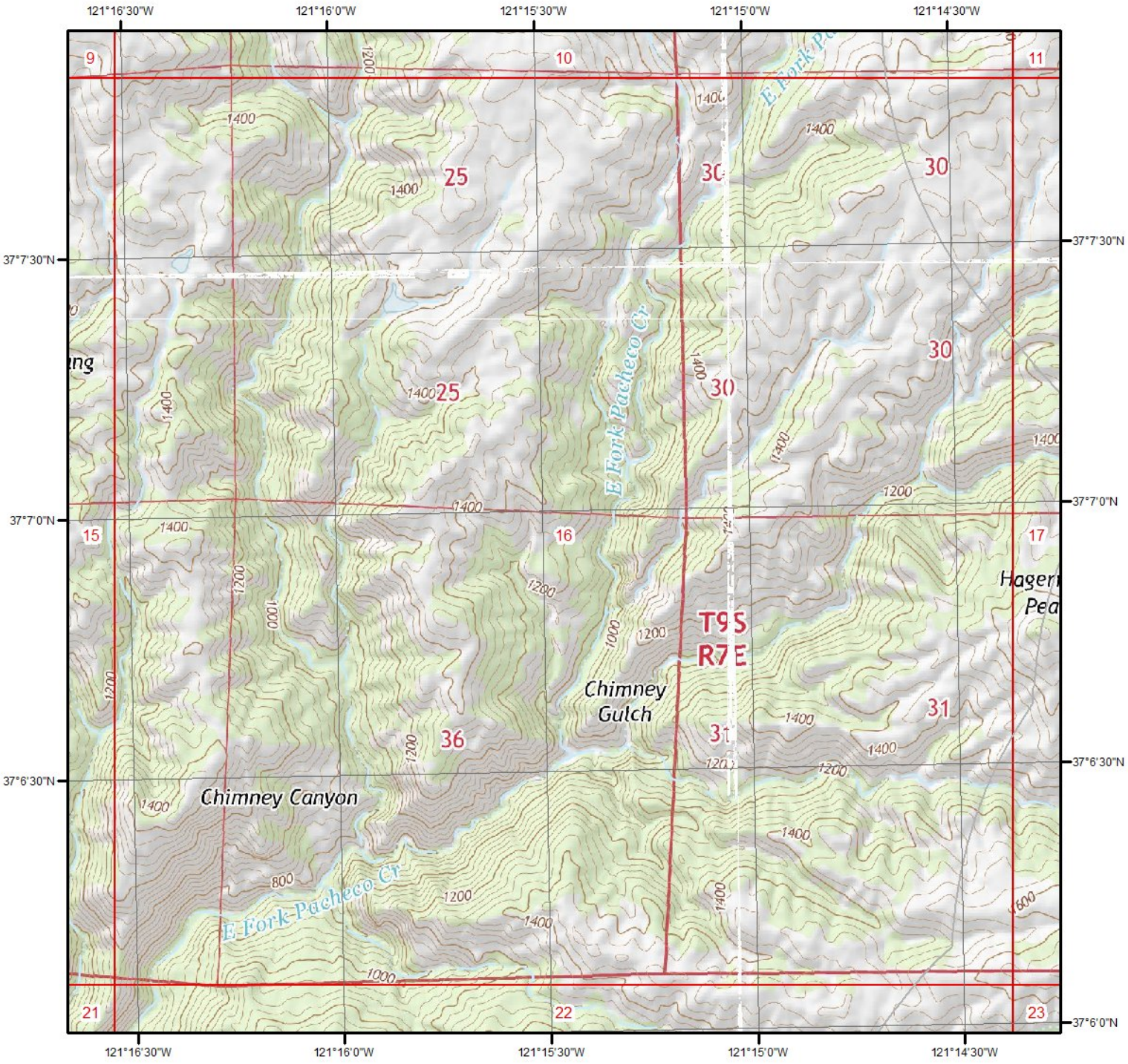
N

Quadrangle(s): Mustang Peak,CA; Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

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ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 16

0 0.2 0.4 0.8 Miles

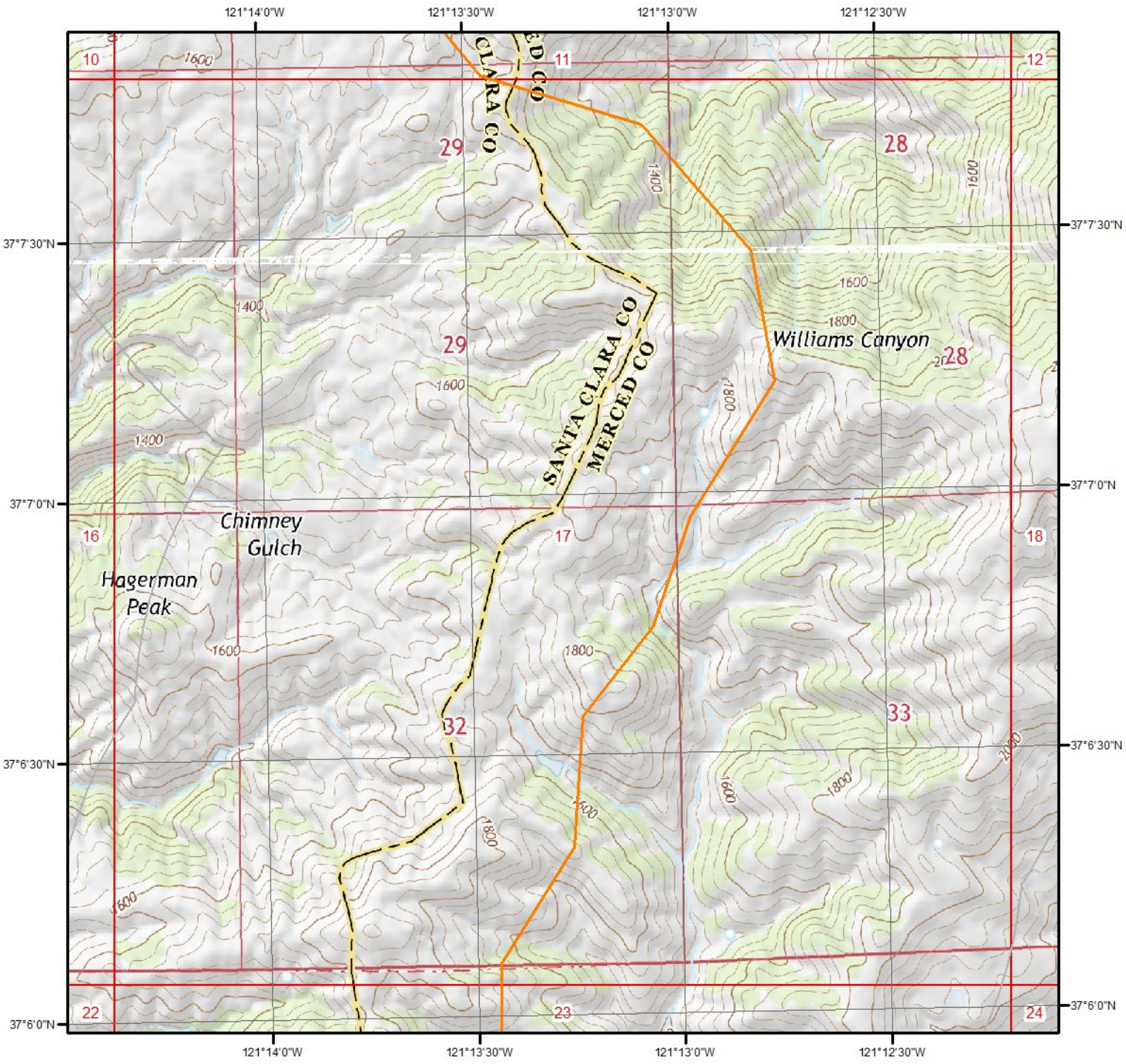
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Quadrangle(s): Crevison Peak,CA; Mustang Peak,CA; Pacheco Pass,CA; Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 17

0 0.2 0.4 0.8 Miles

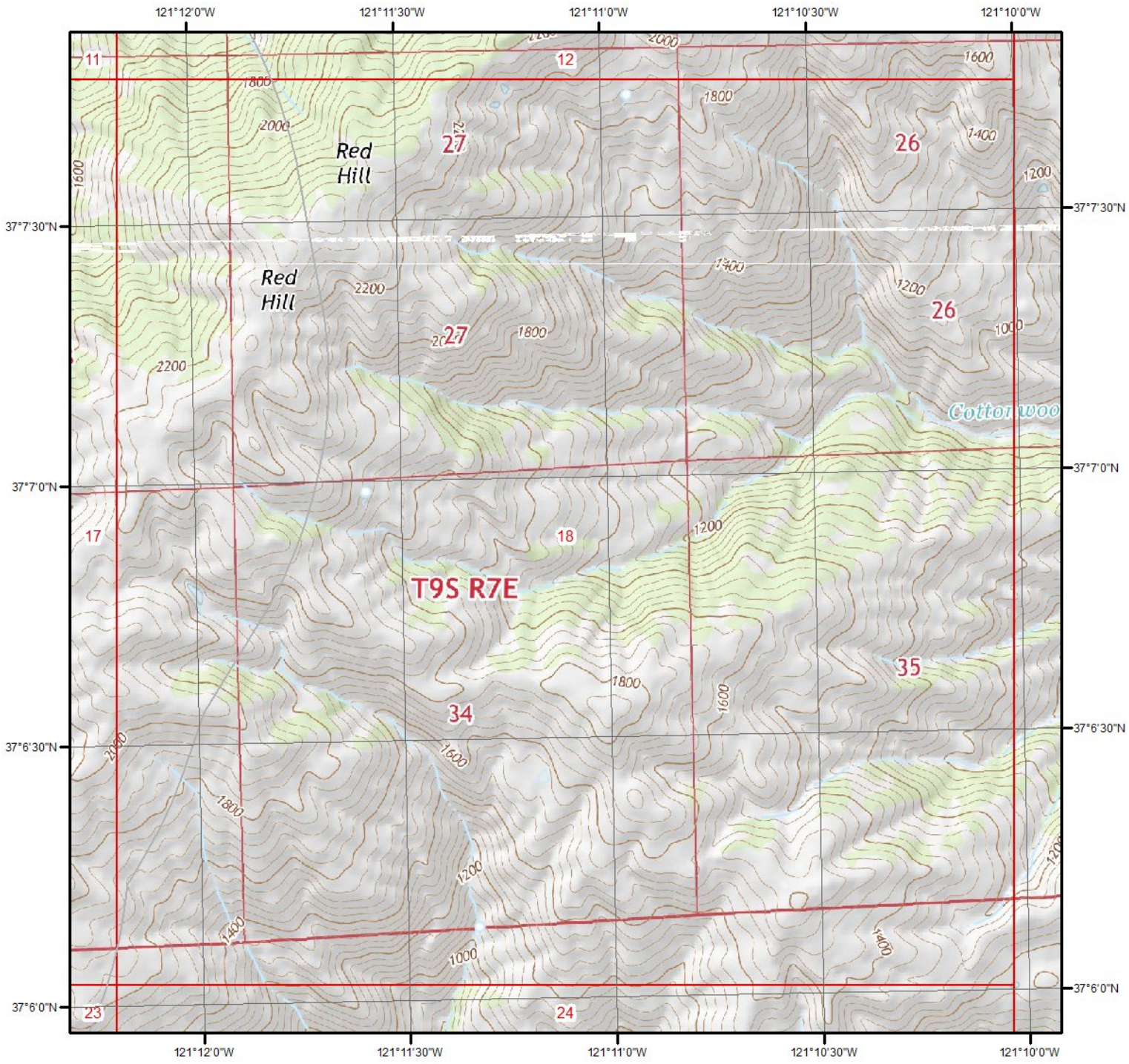
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Quadrangle(s): Crevison Peak,CA; Pacheco Pass,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 18

0 0.2 0.4 0.8 Miles

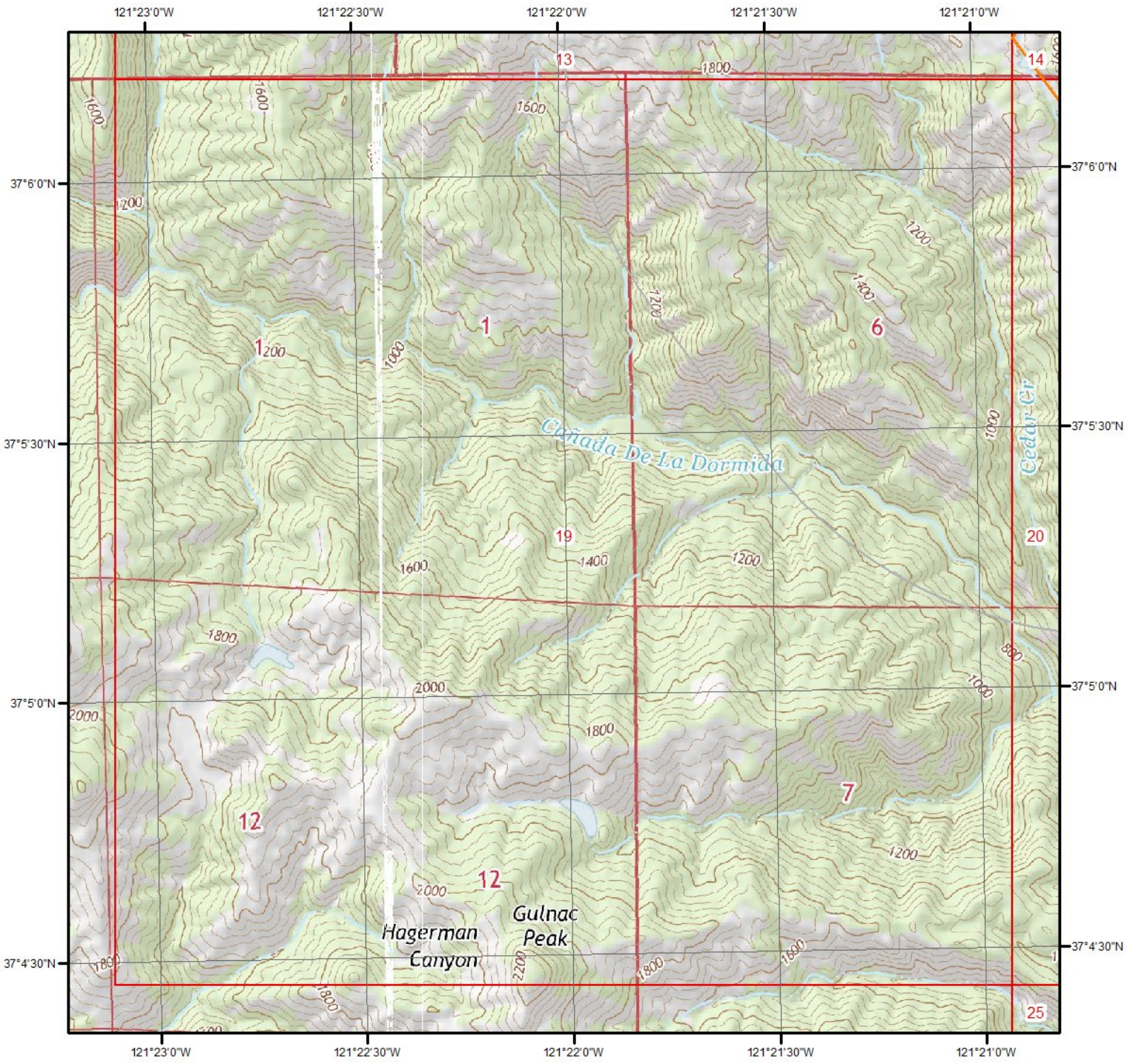
N

Quadrangle(s): Crevison Peak,CA; Pacheco Pass,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 19

0 0.2 0.4 0.8 Miles

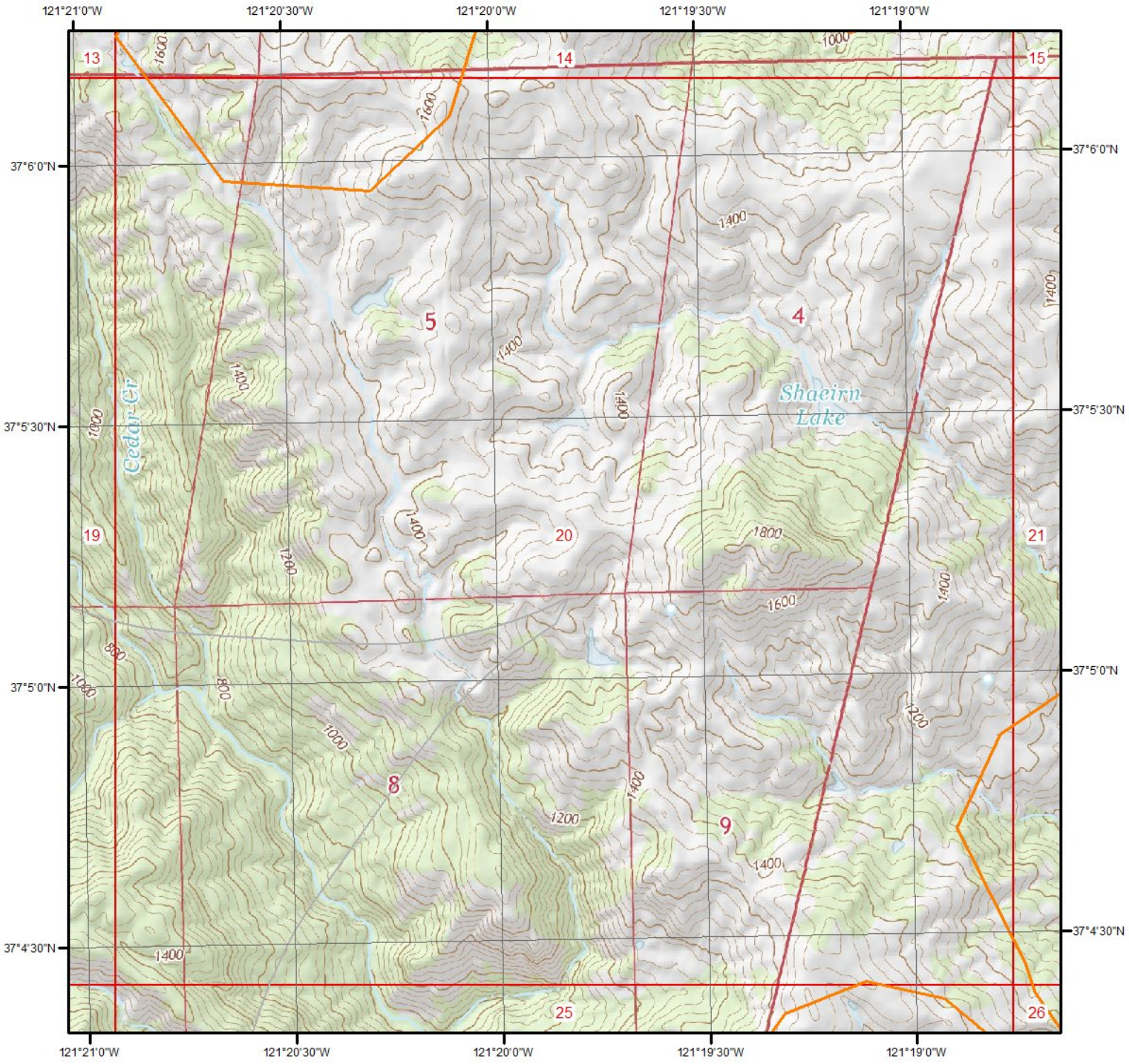
N

Quadrangle(s): Gilroy Hot Springs,CA; Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 20

Miles
0 0.2 0.4 0.8

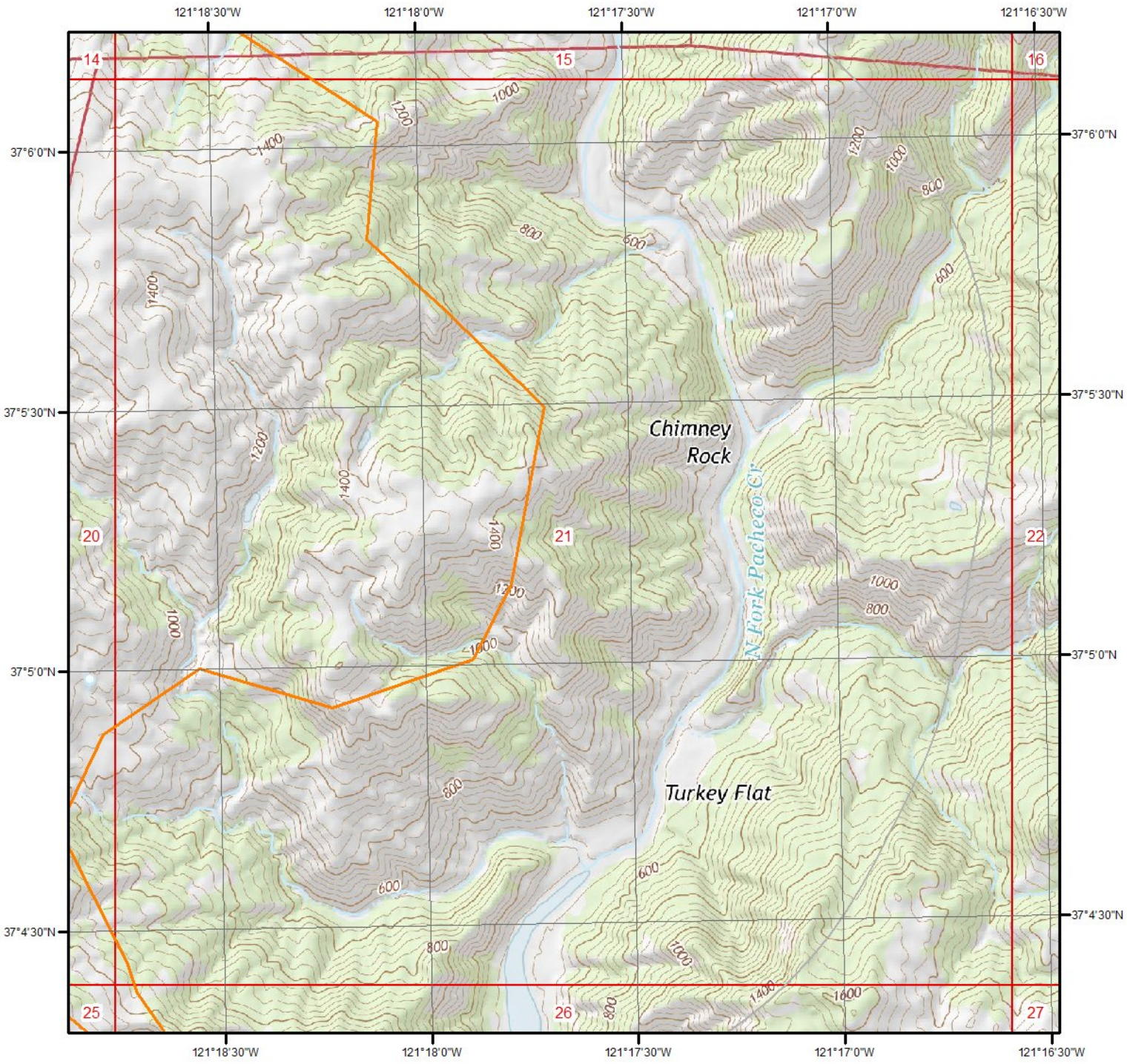
N

Quadrangle(s): Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 21

0 0.2 0.4 0.8 Miles

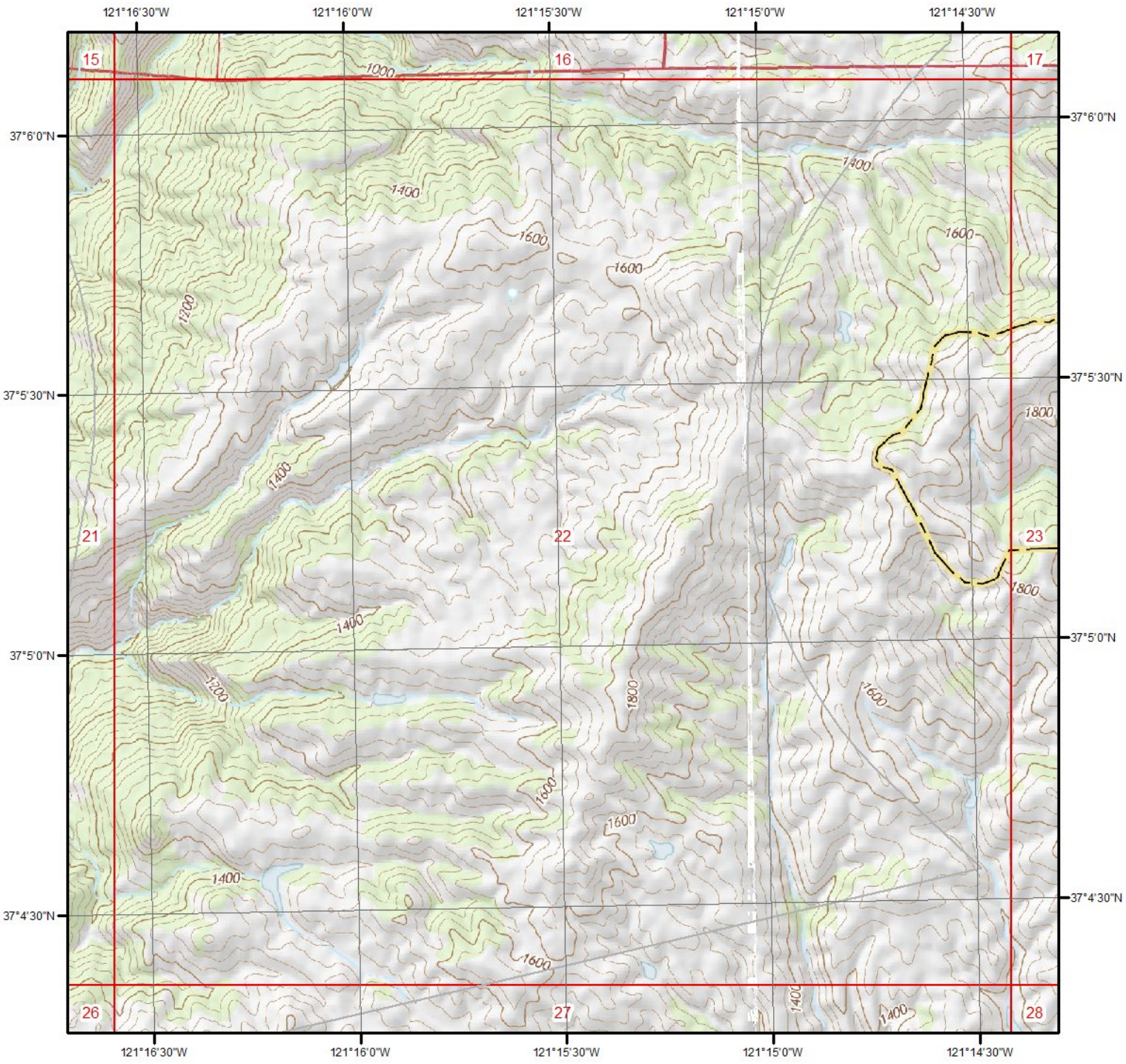
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Quadrangle(s): Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 22

0 0.2 0.4 0.8 Miles

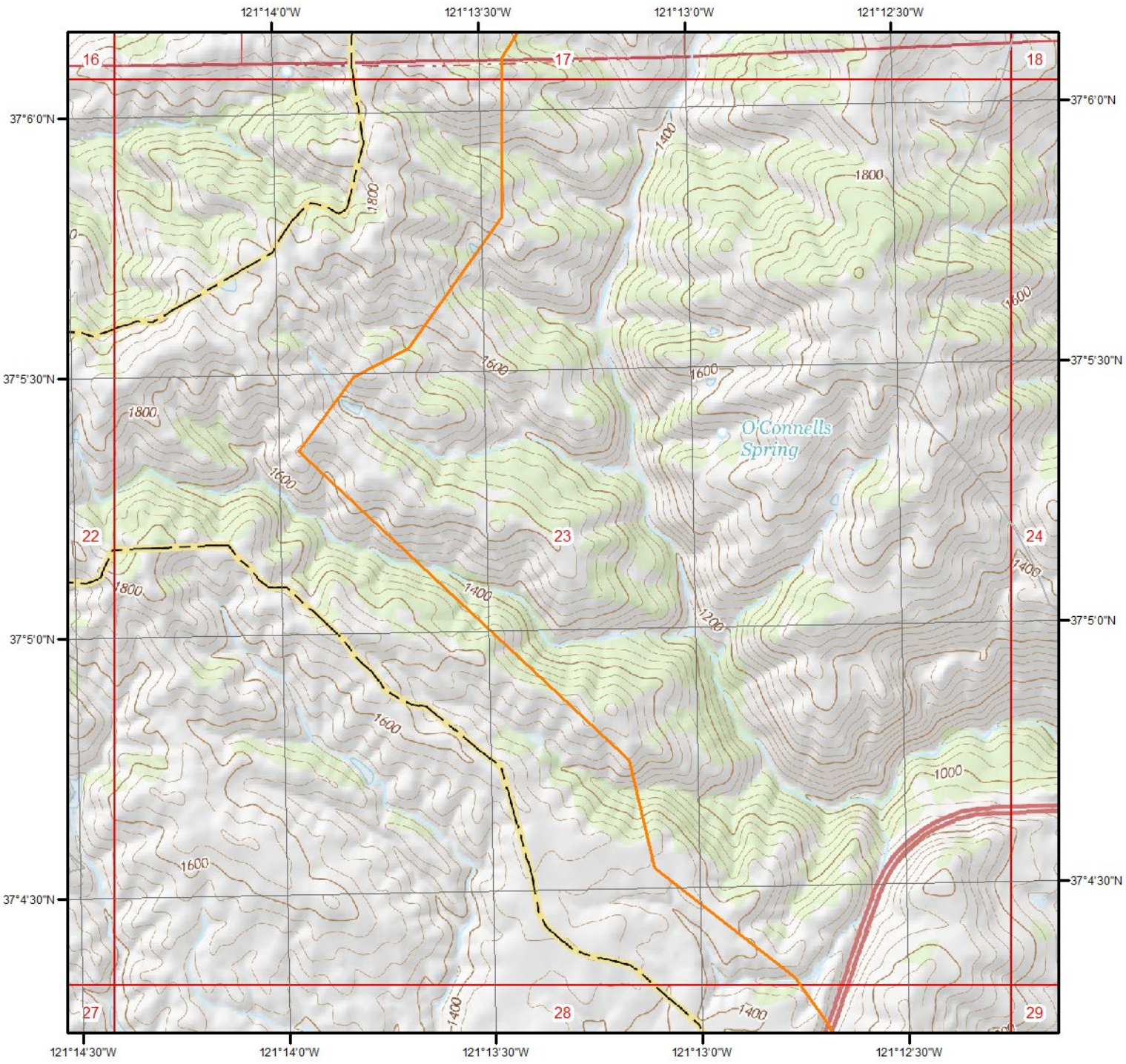
N

Quadrangle(s): Pacheco Pass,CA; Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 23

0 0.2 0.4 0.8 Miles

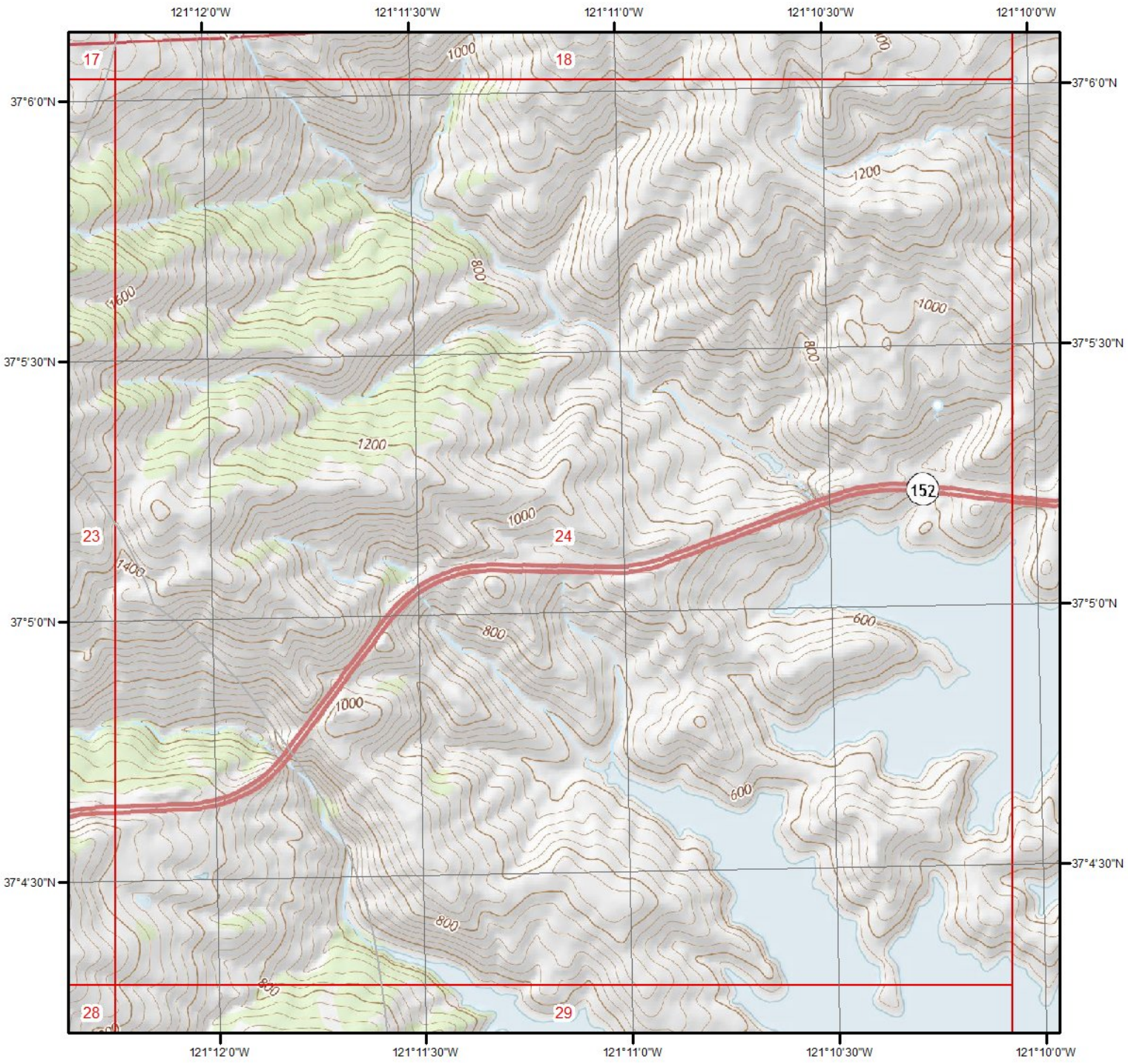
N

Quadrangle(s): Pacheco Pass,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 24

0 0.2 0.4 0.8 Miles

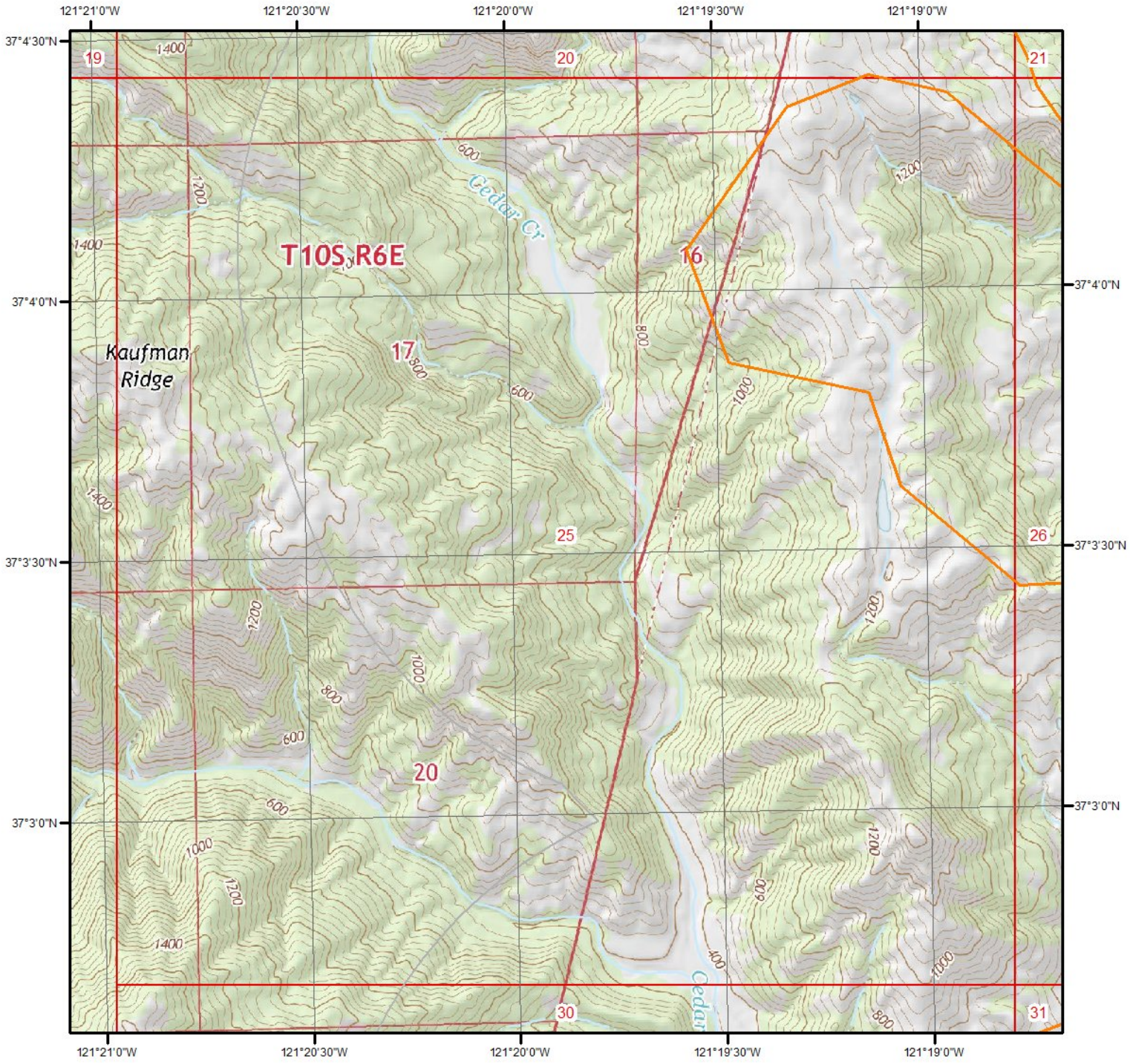
N

Quadrangle(s): Pacheco Pass,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 25

0 0.2 0.4 0.8 Miles

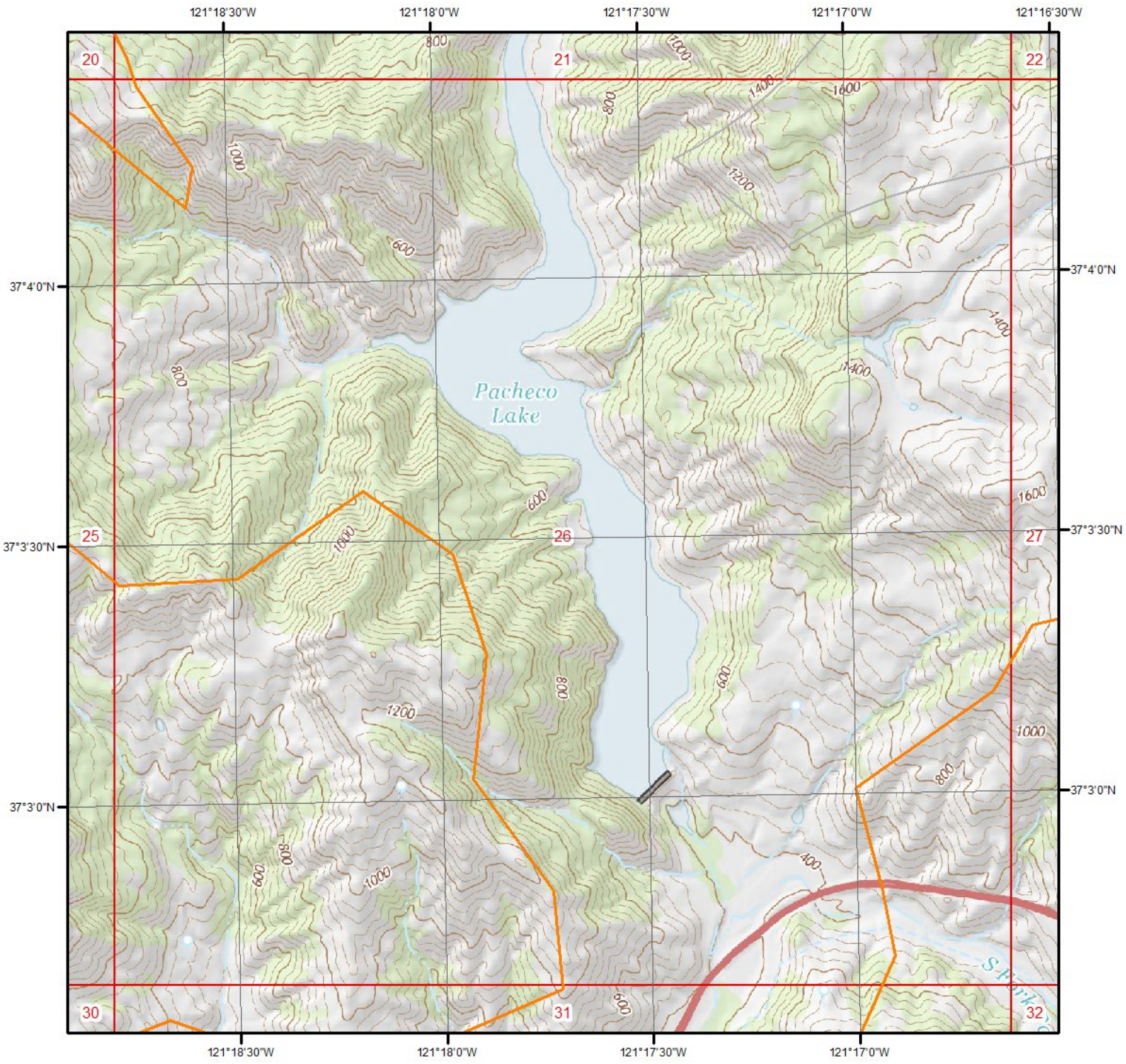
N

Quadrangle(s): Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 26

0 0.2 0.4 0.8 Miles

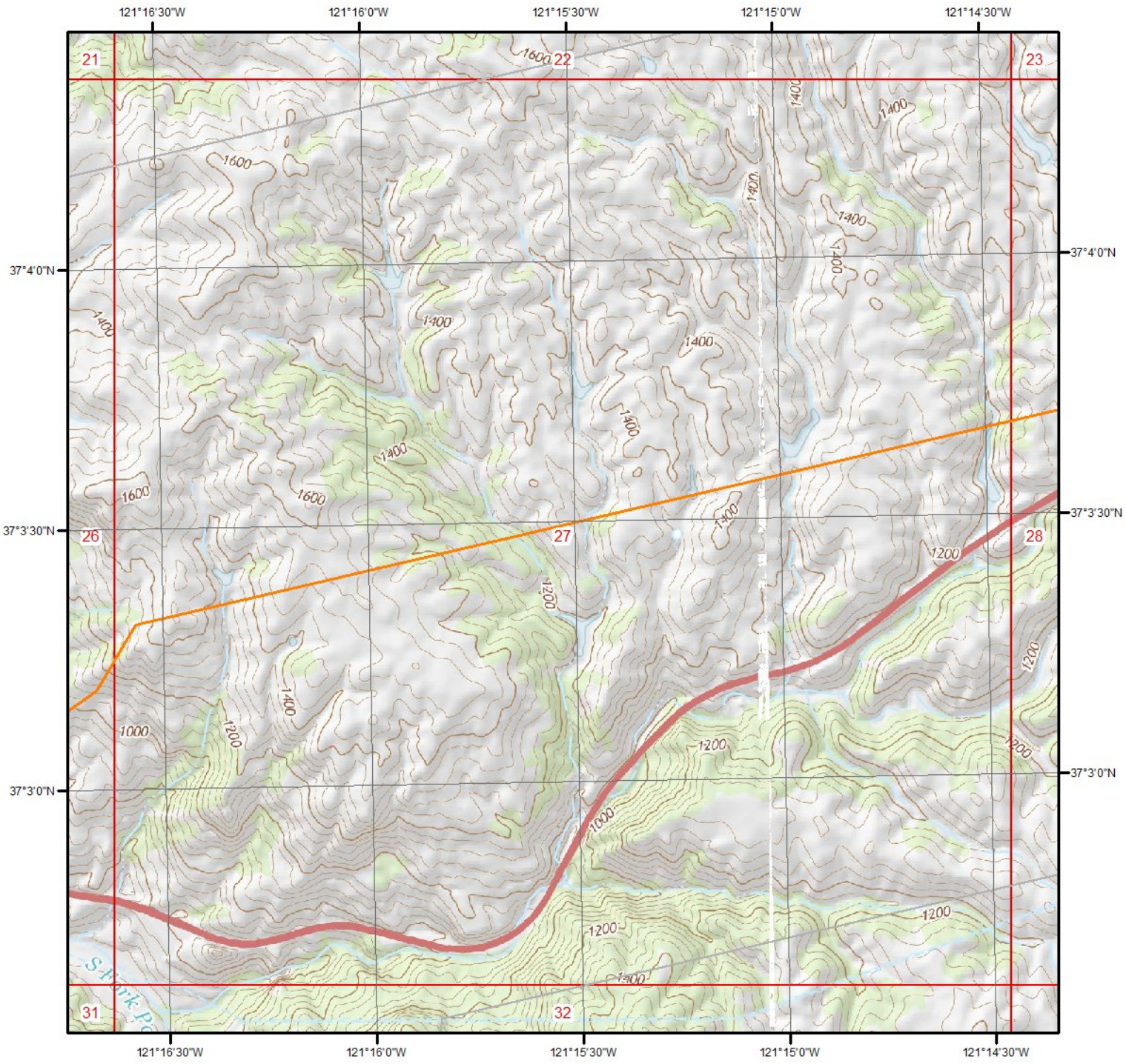
N

Quadrangle(s): Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 27

0 0.2 0.4 0.8 Miles

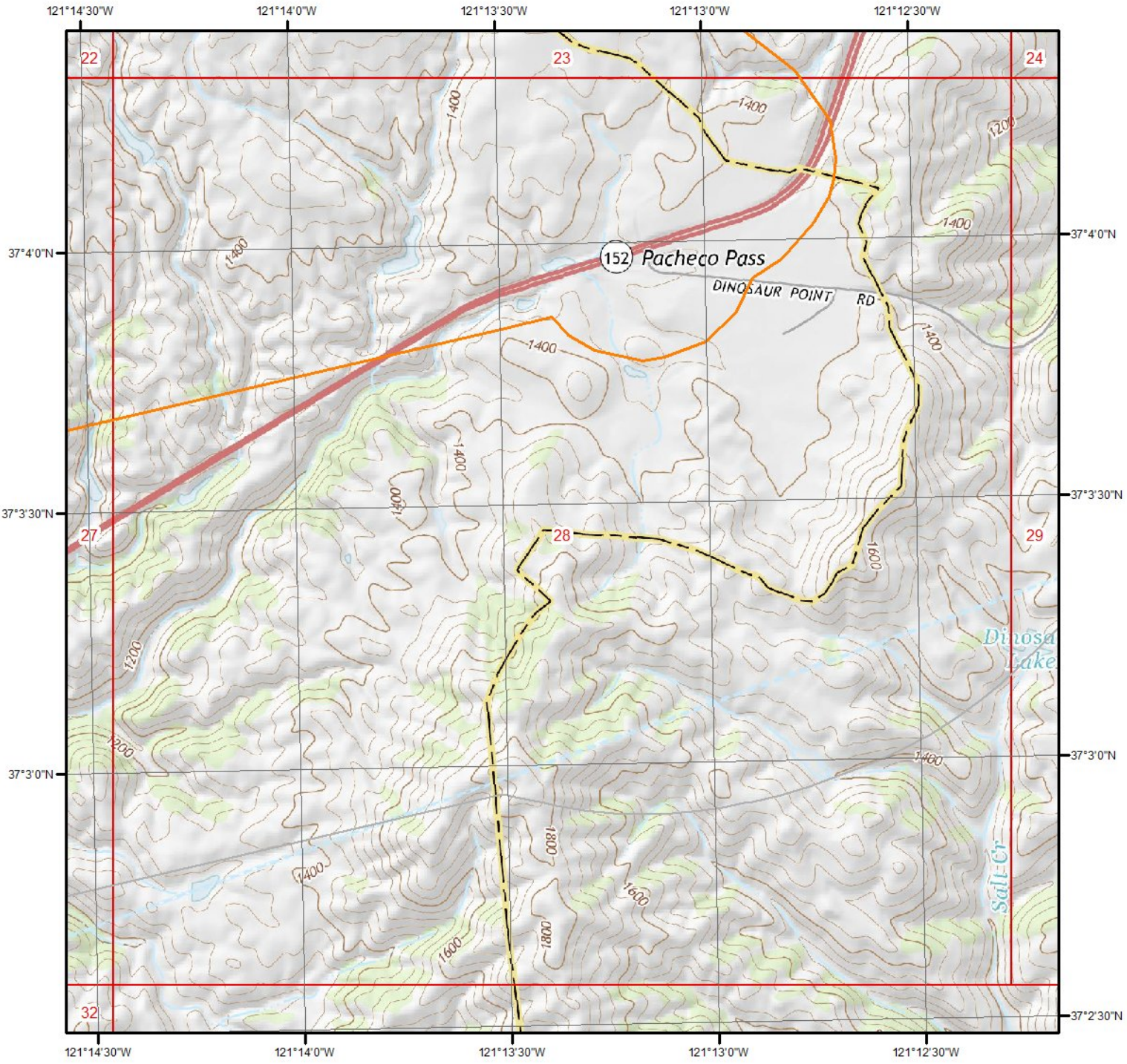
N

Quadrangle(s): Pacheco Pass,CA; Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 28

0 0.2 0.4 0.8 Miles

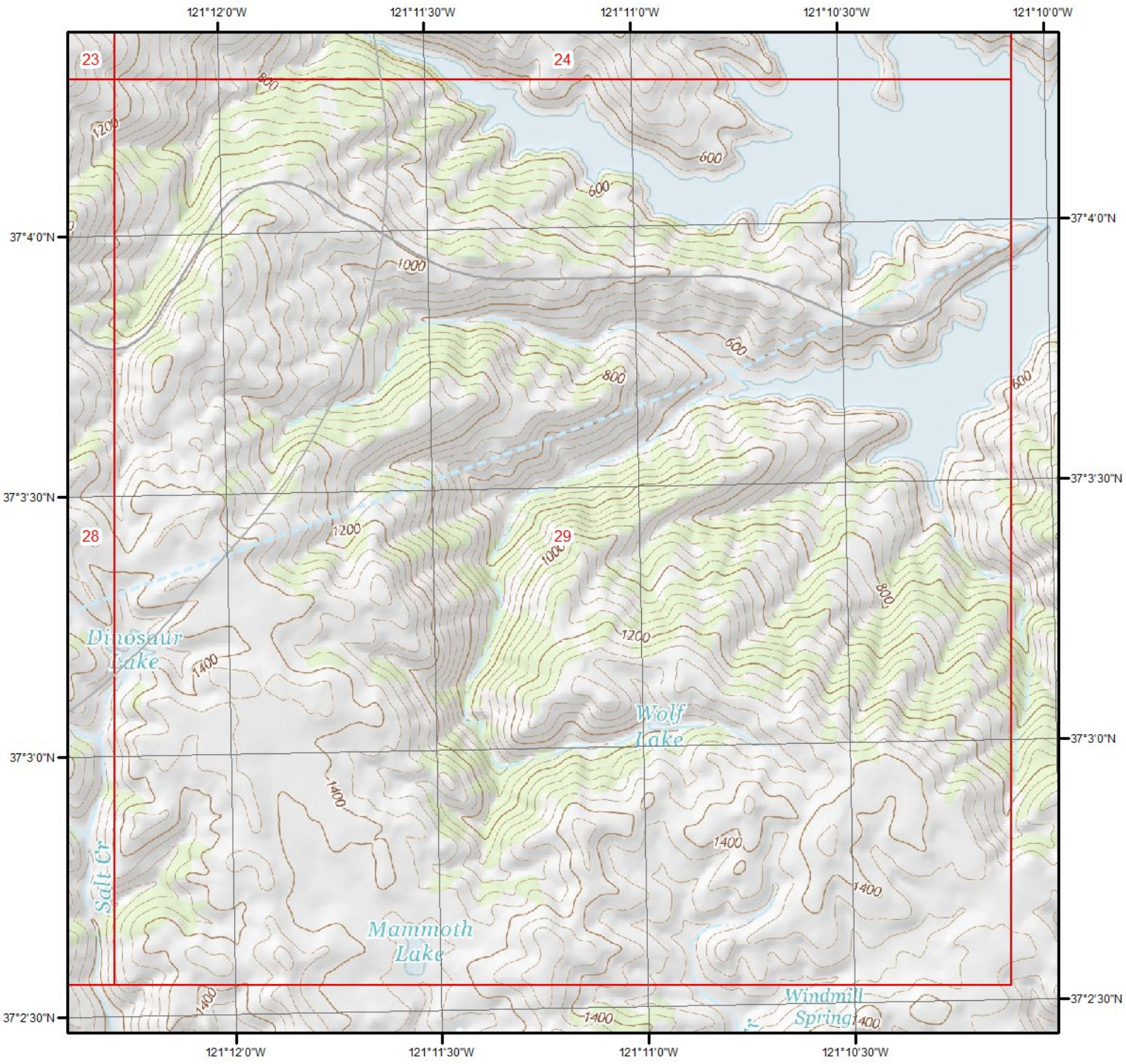
N

Quadrangle(s): Pacheco Pass,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 29

0 0.2 0.4 0.8 Miles

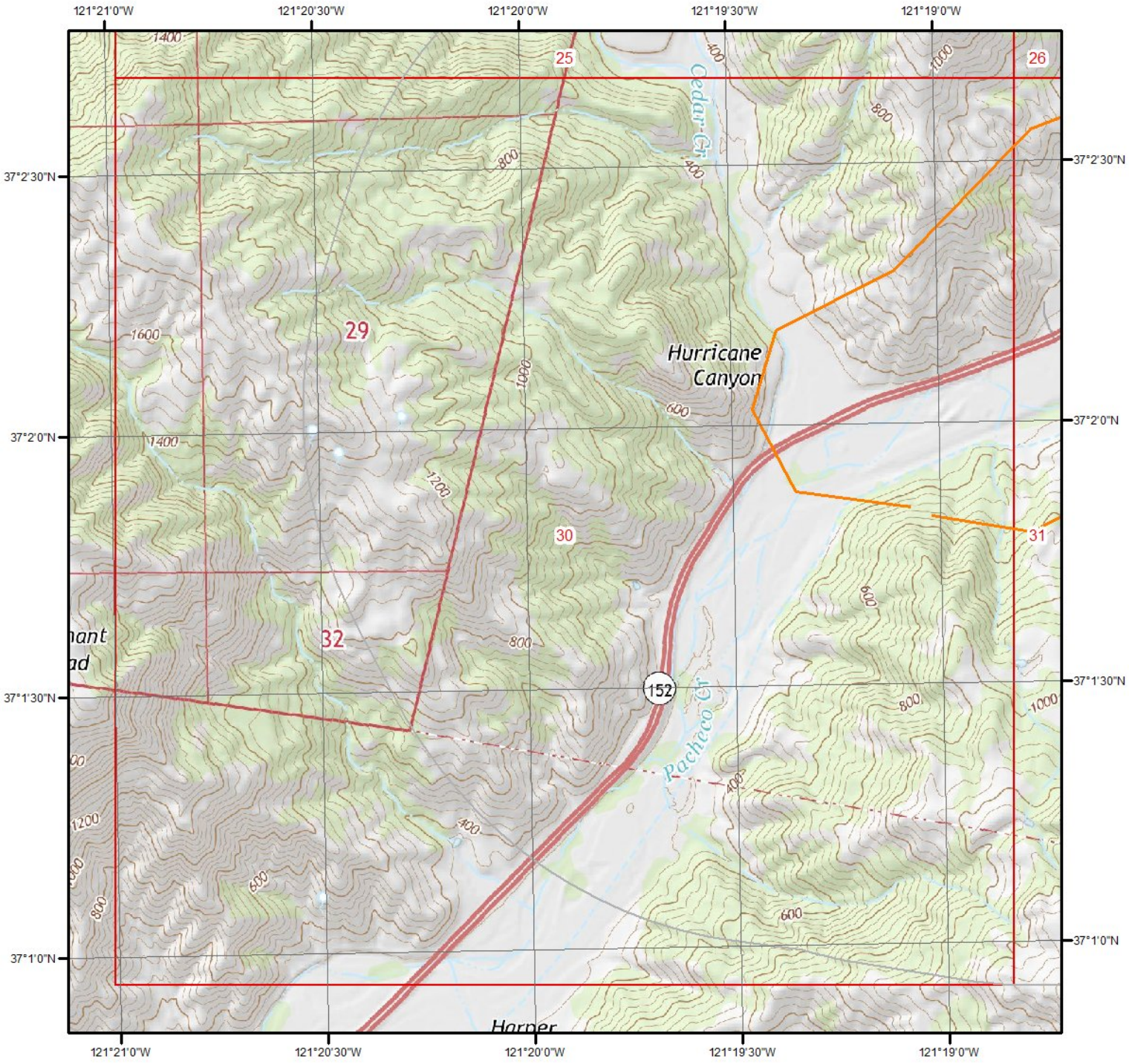
N

Quadrangle(s): Pacheco Pass,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 30

0 0.2 0.4 0.8 Miles

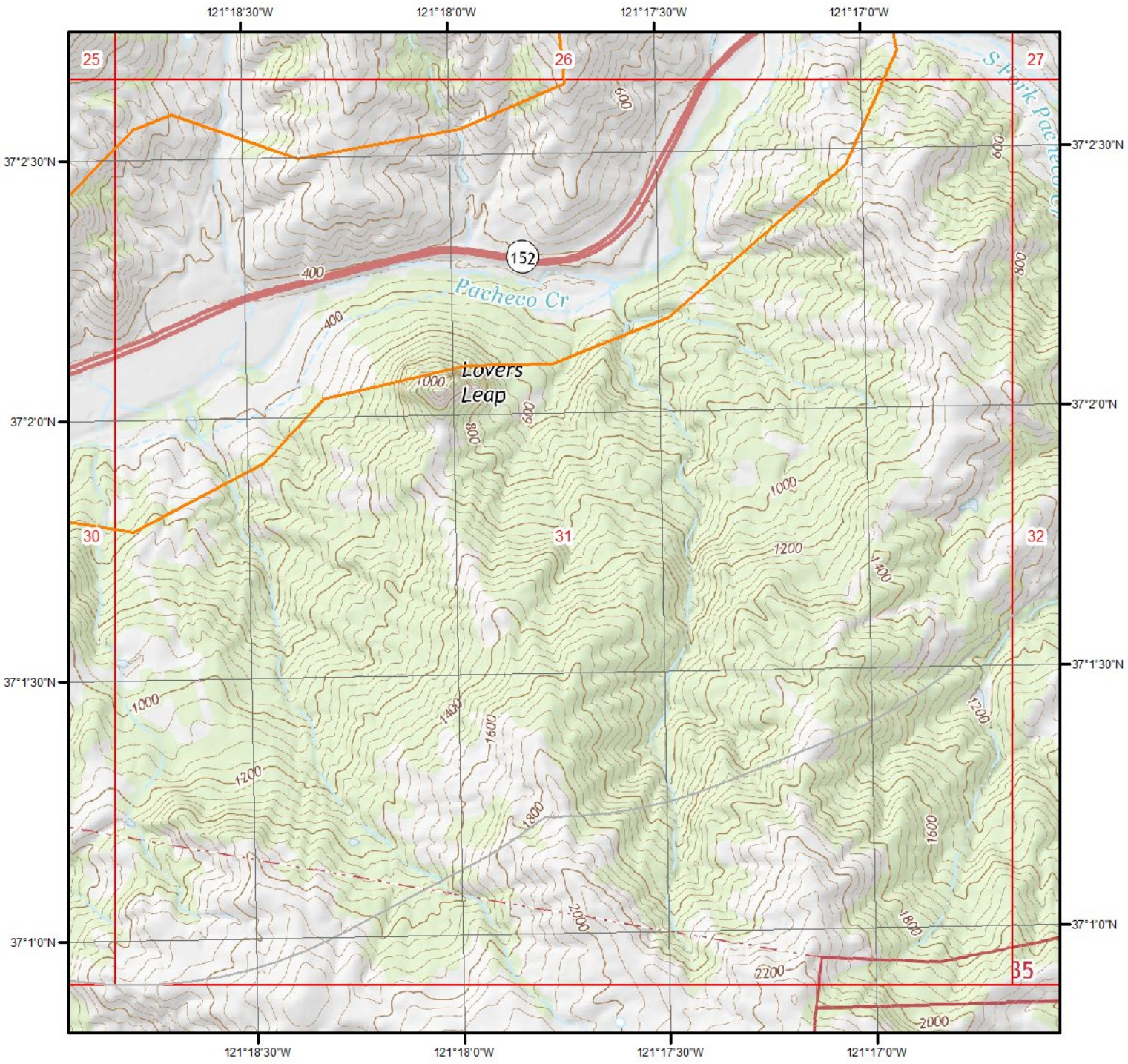
N

Quadrangle(s): Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 31

0 0.2 0.4 0.8 Miles

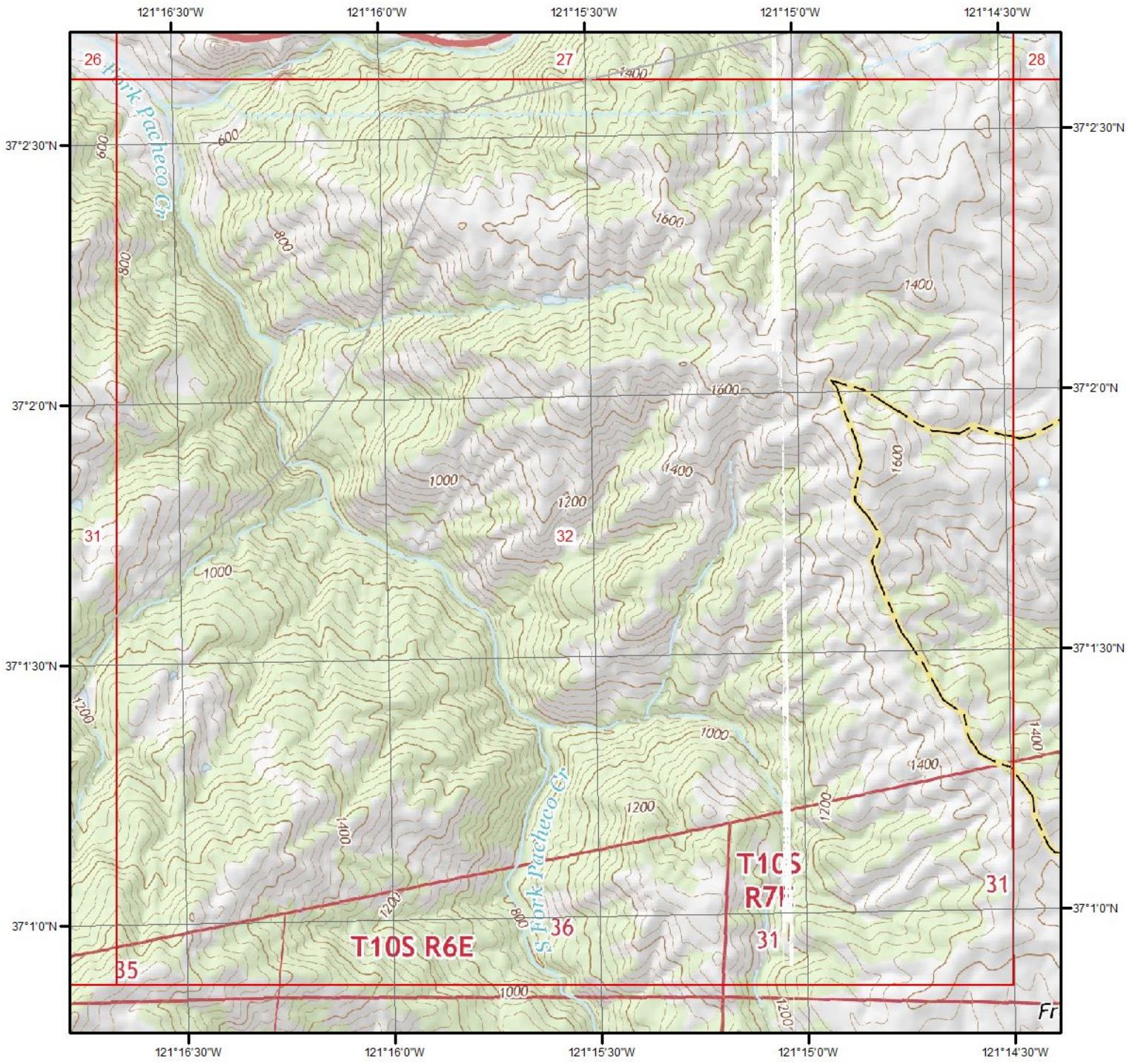
N

Quadrangle(s): Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information



Current USGS Topo - Page 32

0 0.2 0.4 0.8 Miles

N

Quadrangle(s): Pacheco Pass,CA; Pacheco Peak,CA

Source: USGS 7.5 Minute Topographic Map

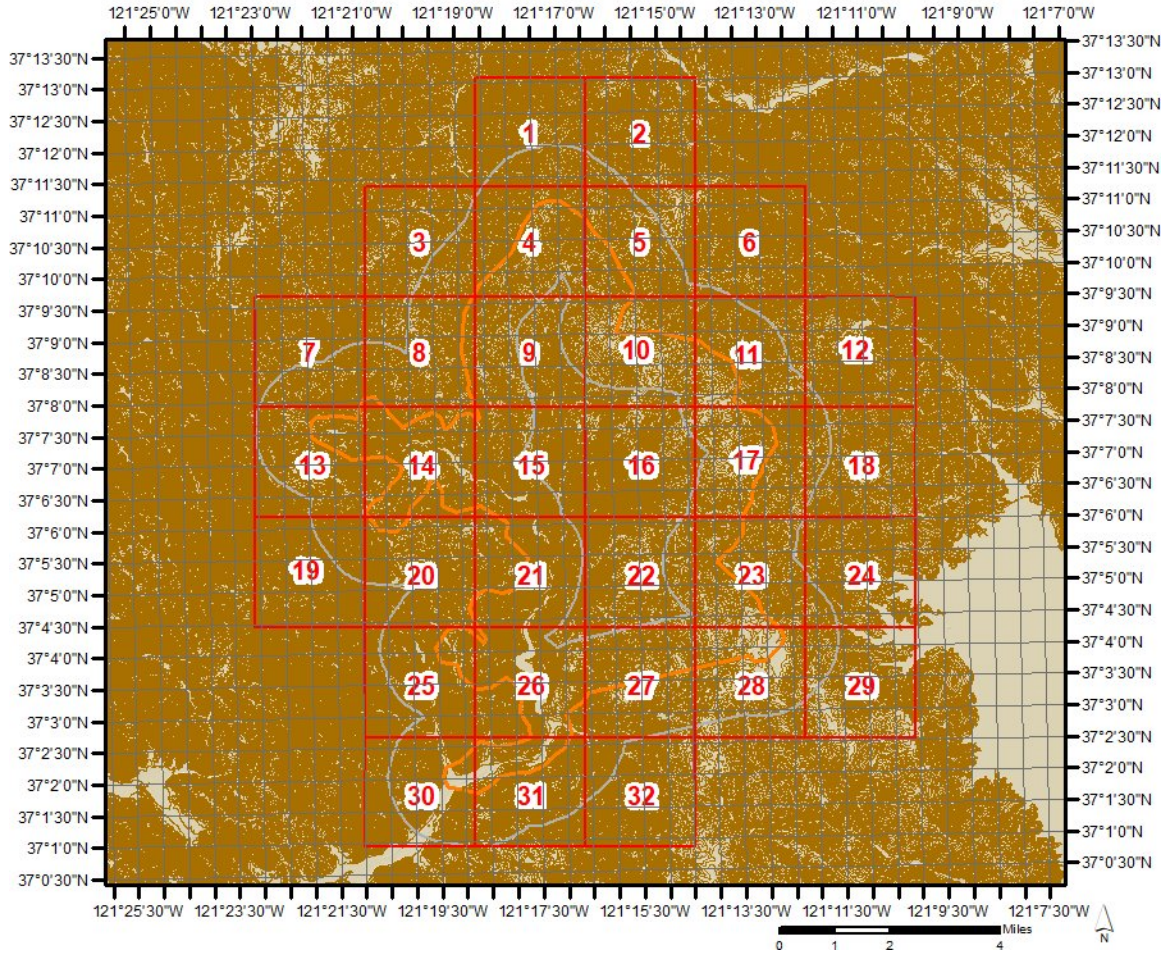
ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Information

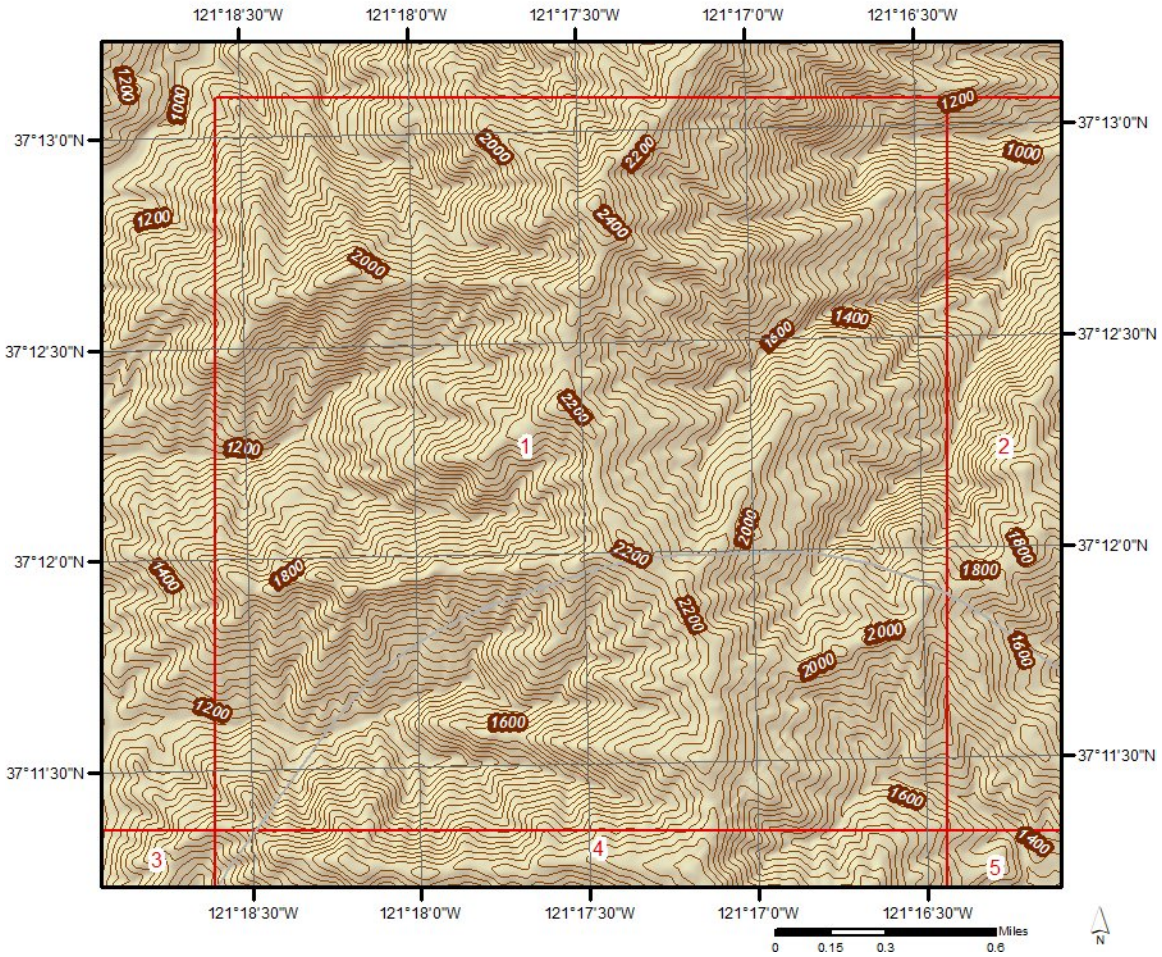
The previous topographic map(s) are created by seamlessly merging and cutting current USGS topographic data. Below are shaded relief map(s), derived from USGS elevation data to show surrounding topography in further detail.

Topographic information at project property:

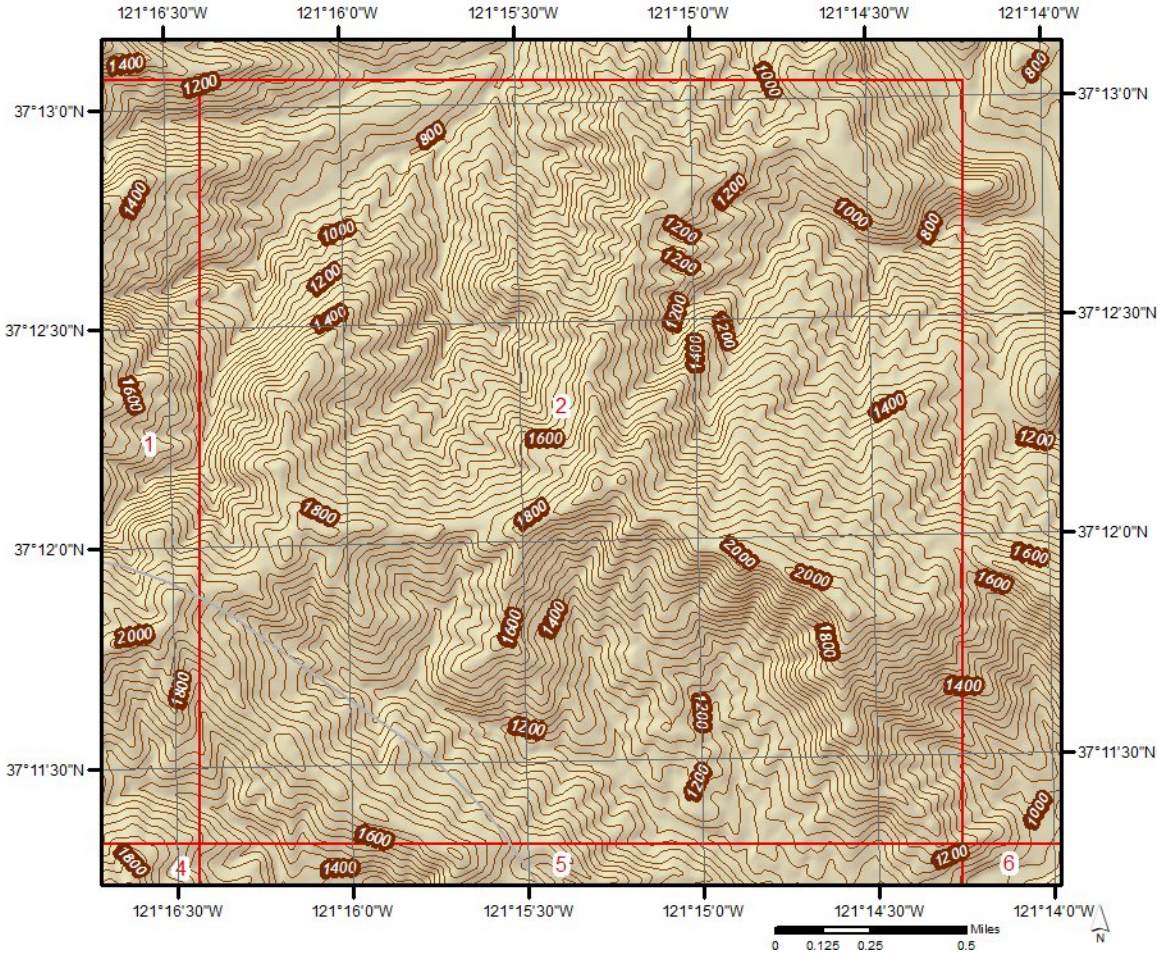
Elevation:	1,224.15 ft
Slope Direction:	W



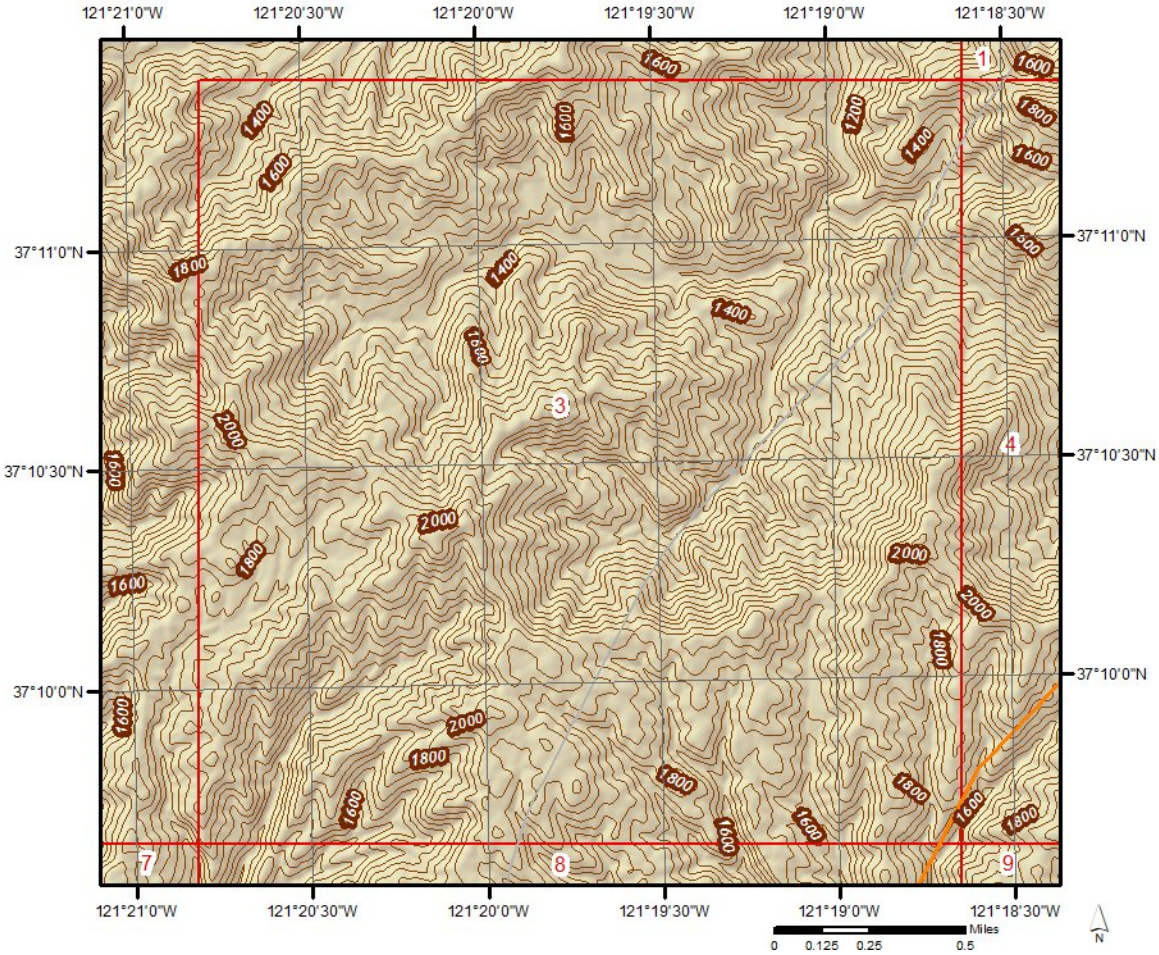
Topographic Information



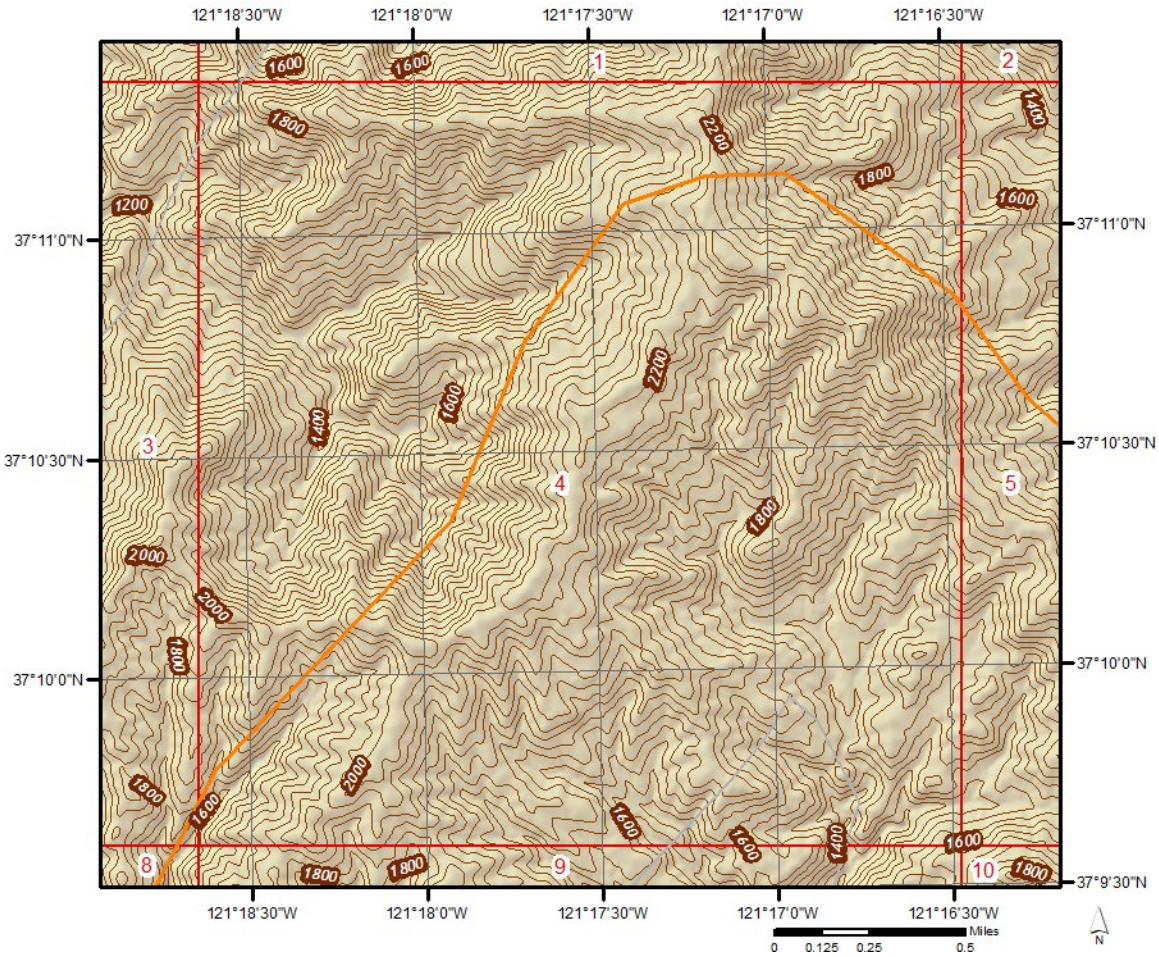
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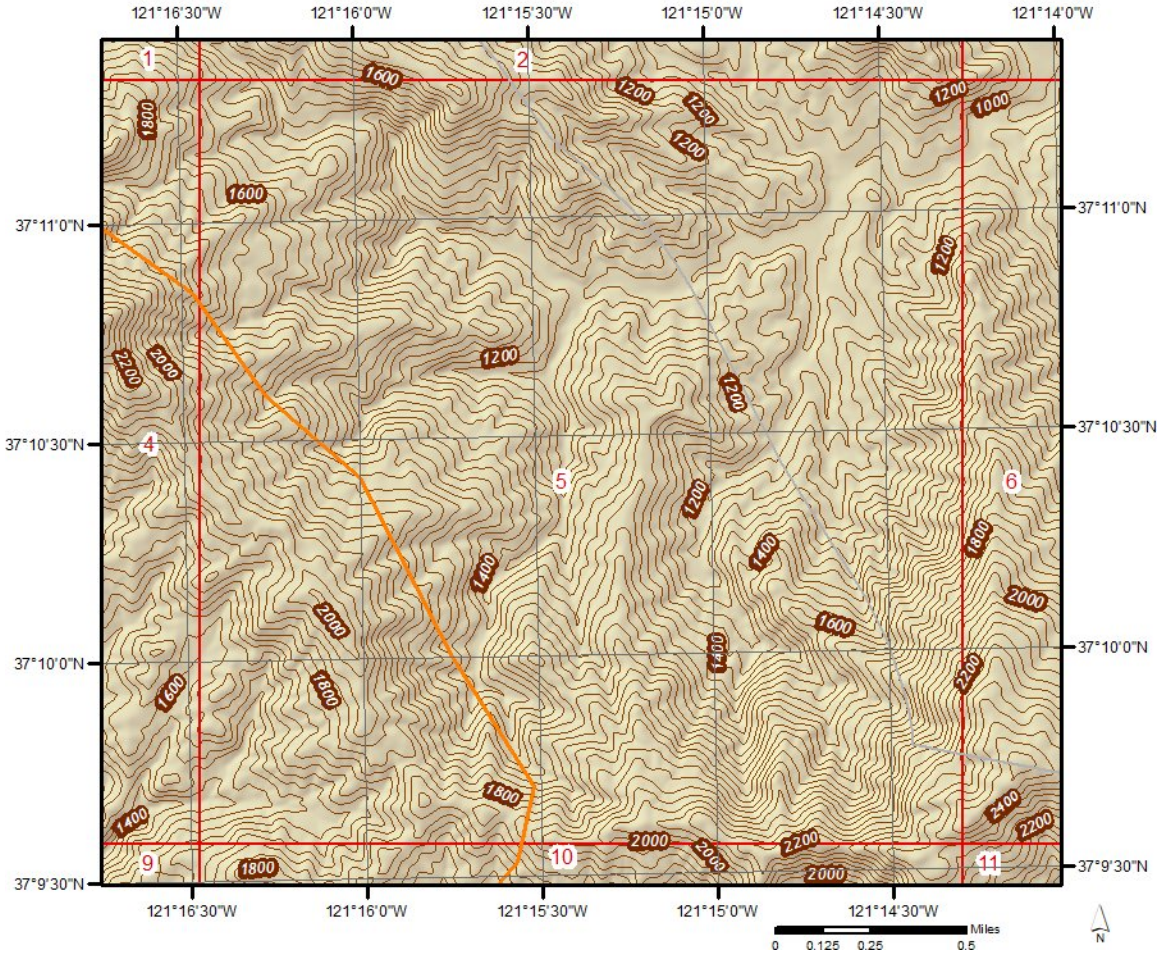
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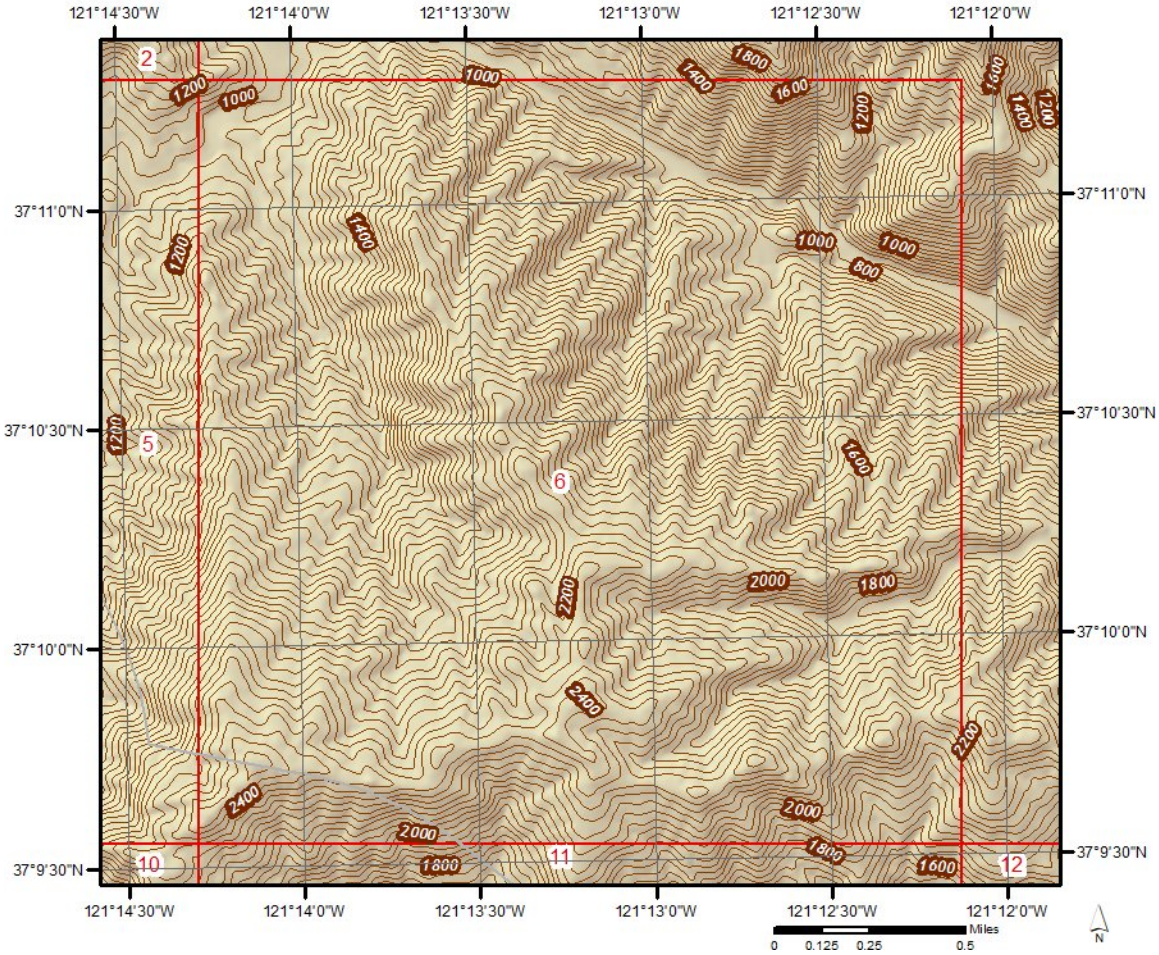
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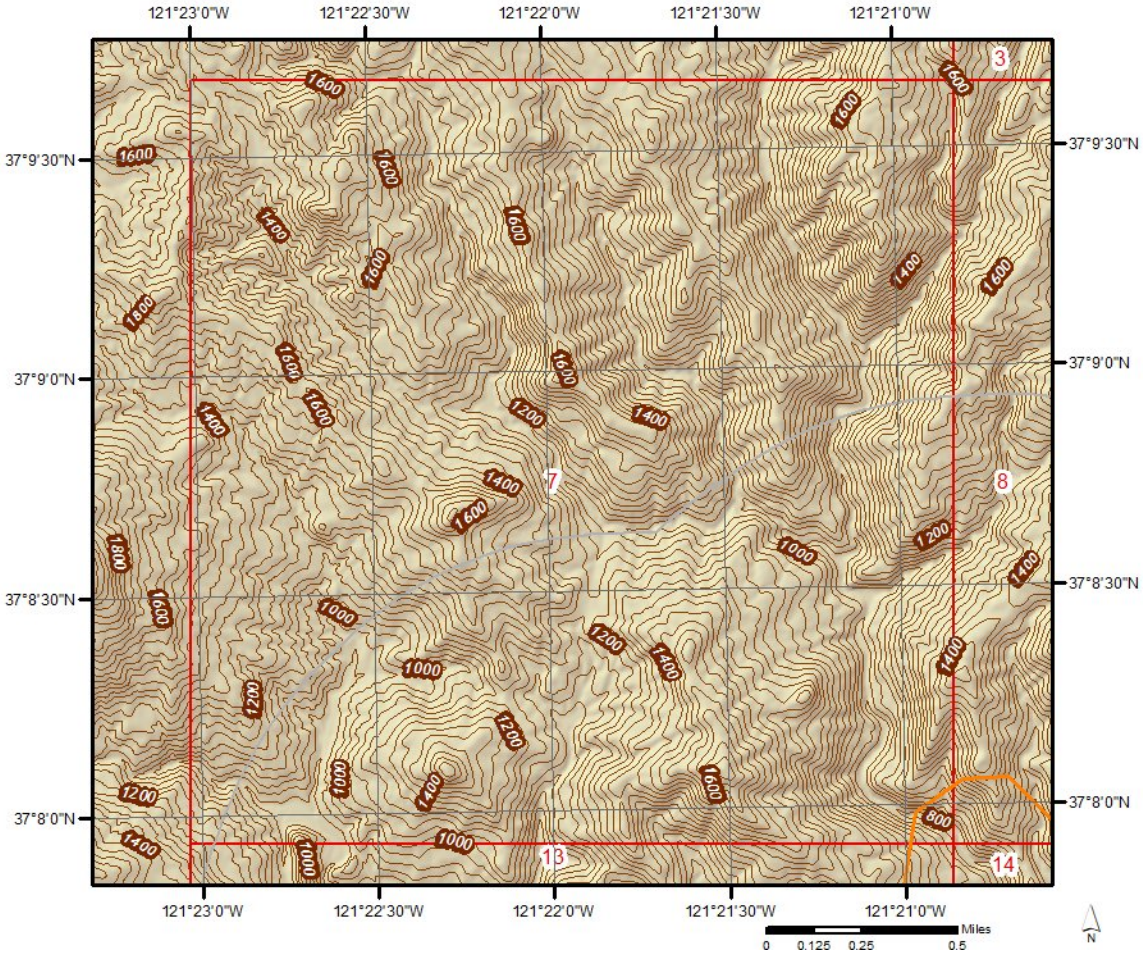
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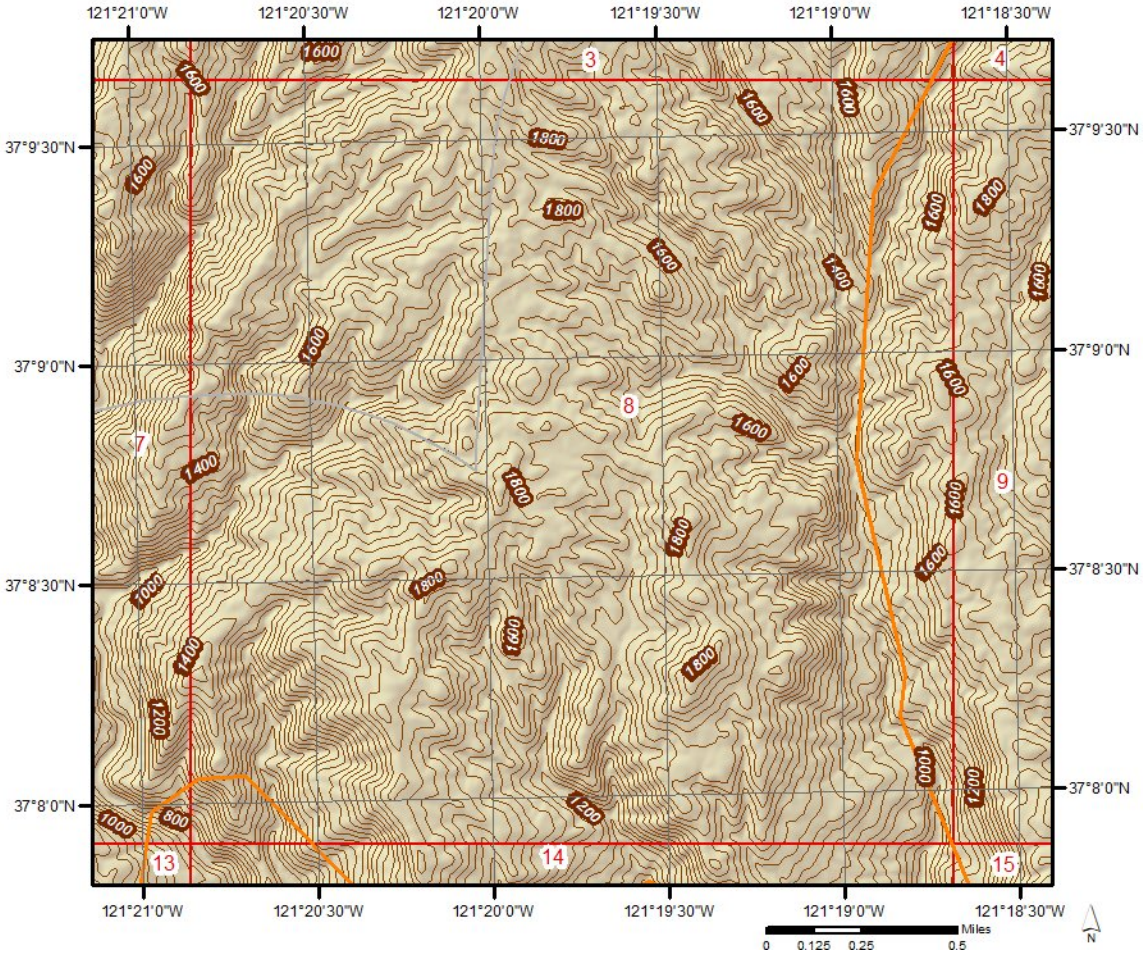
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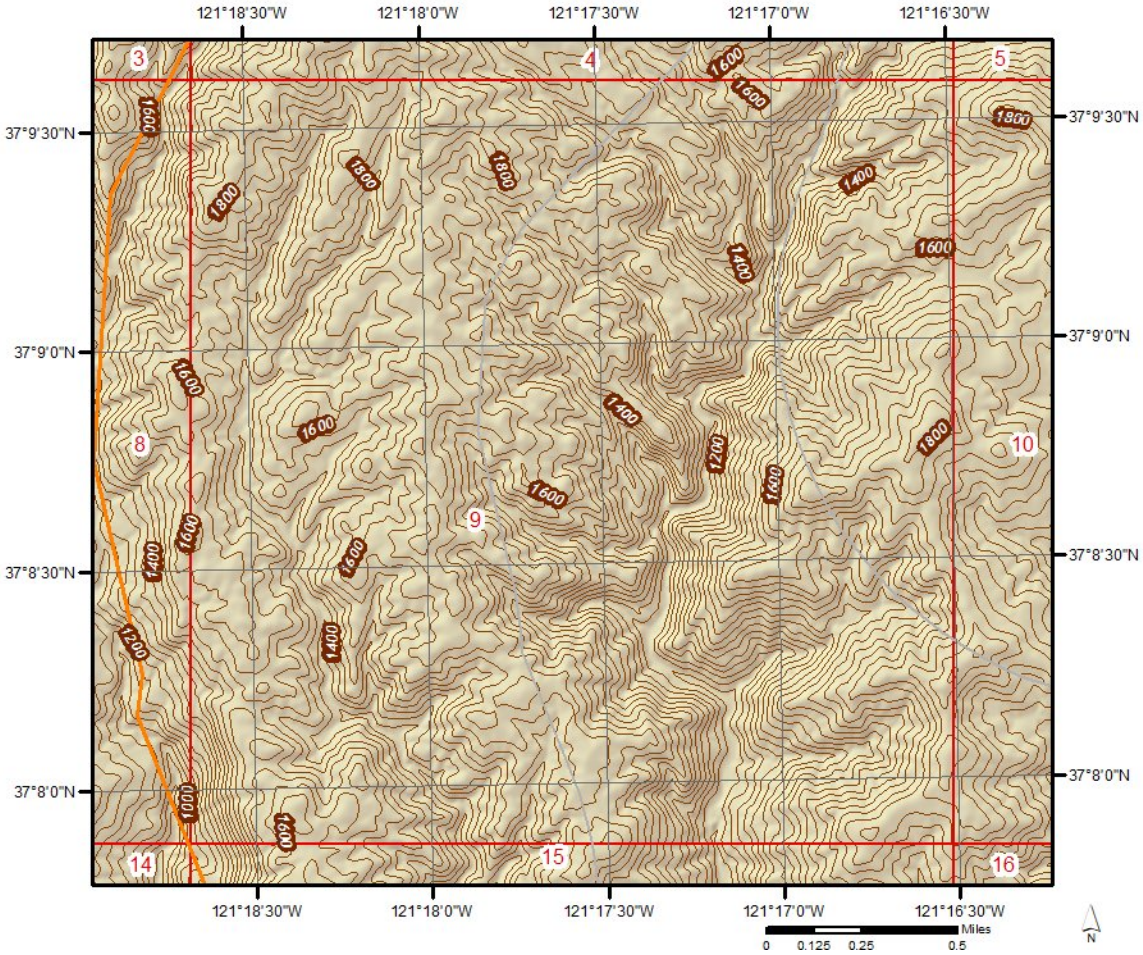
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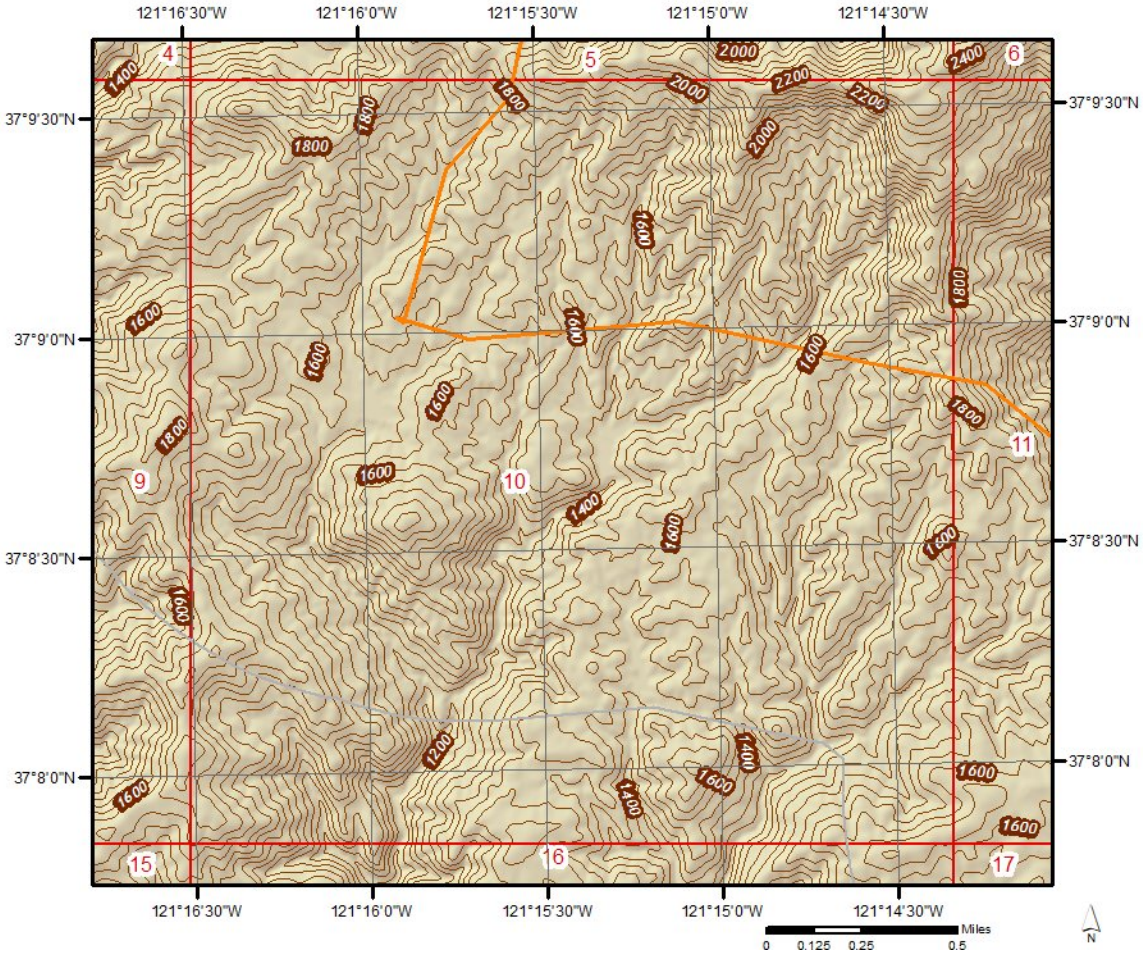
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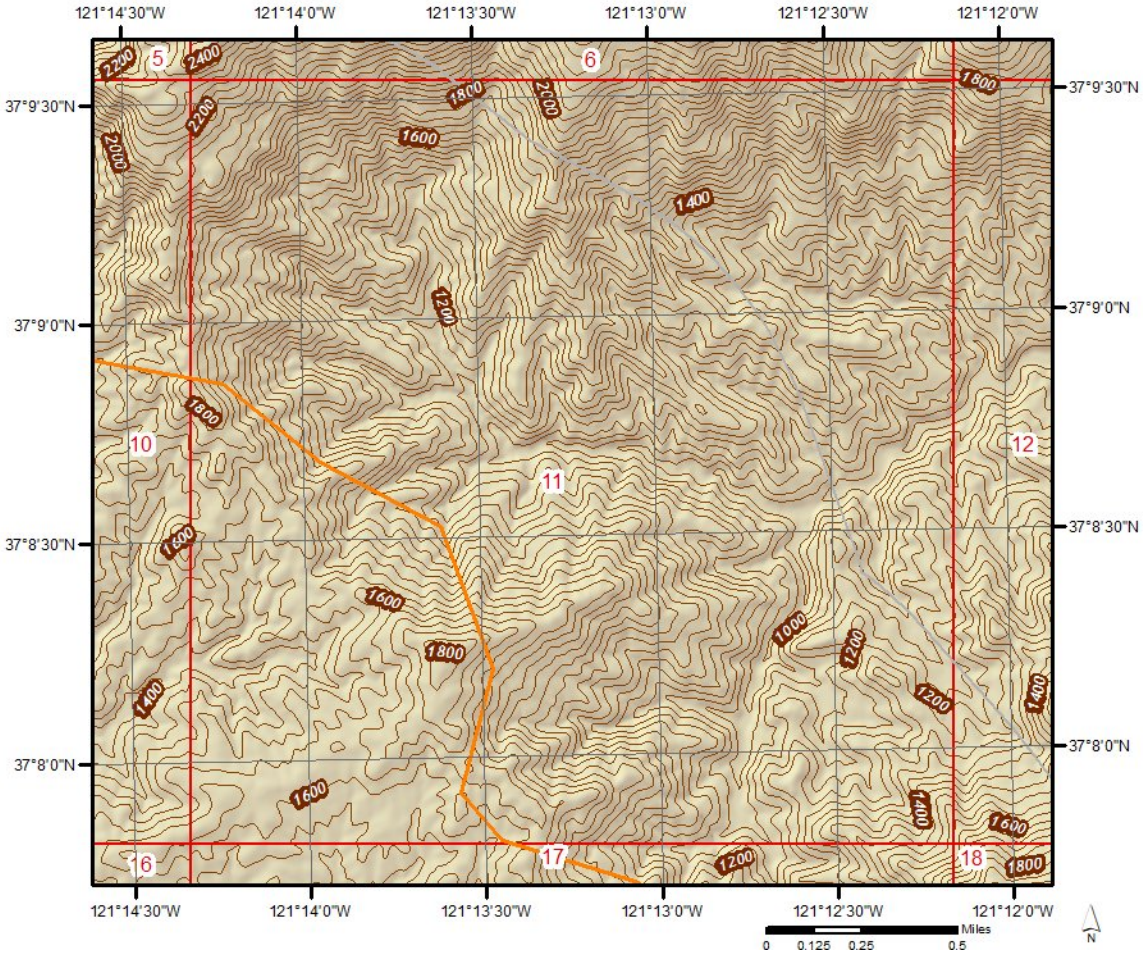
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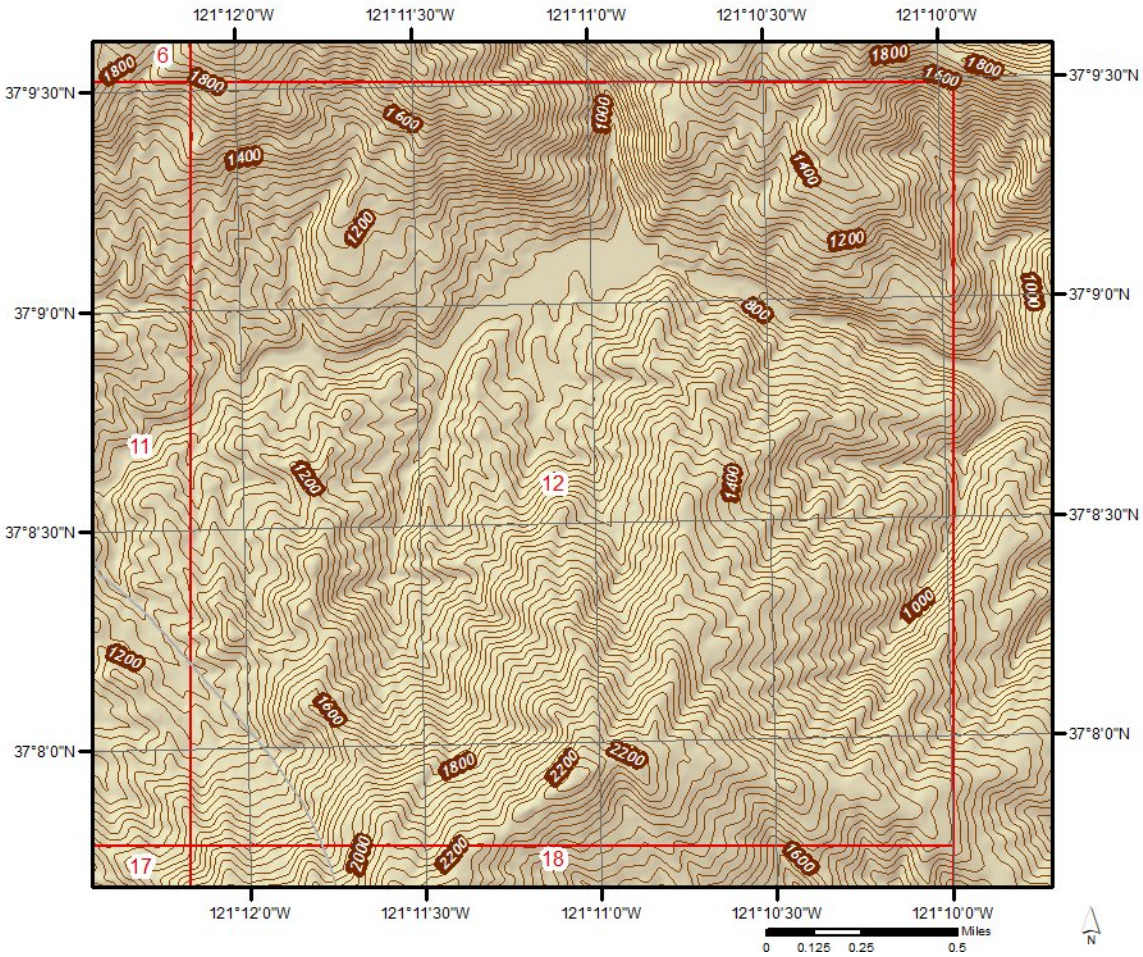
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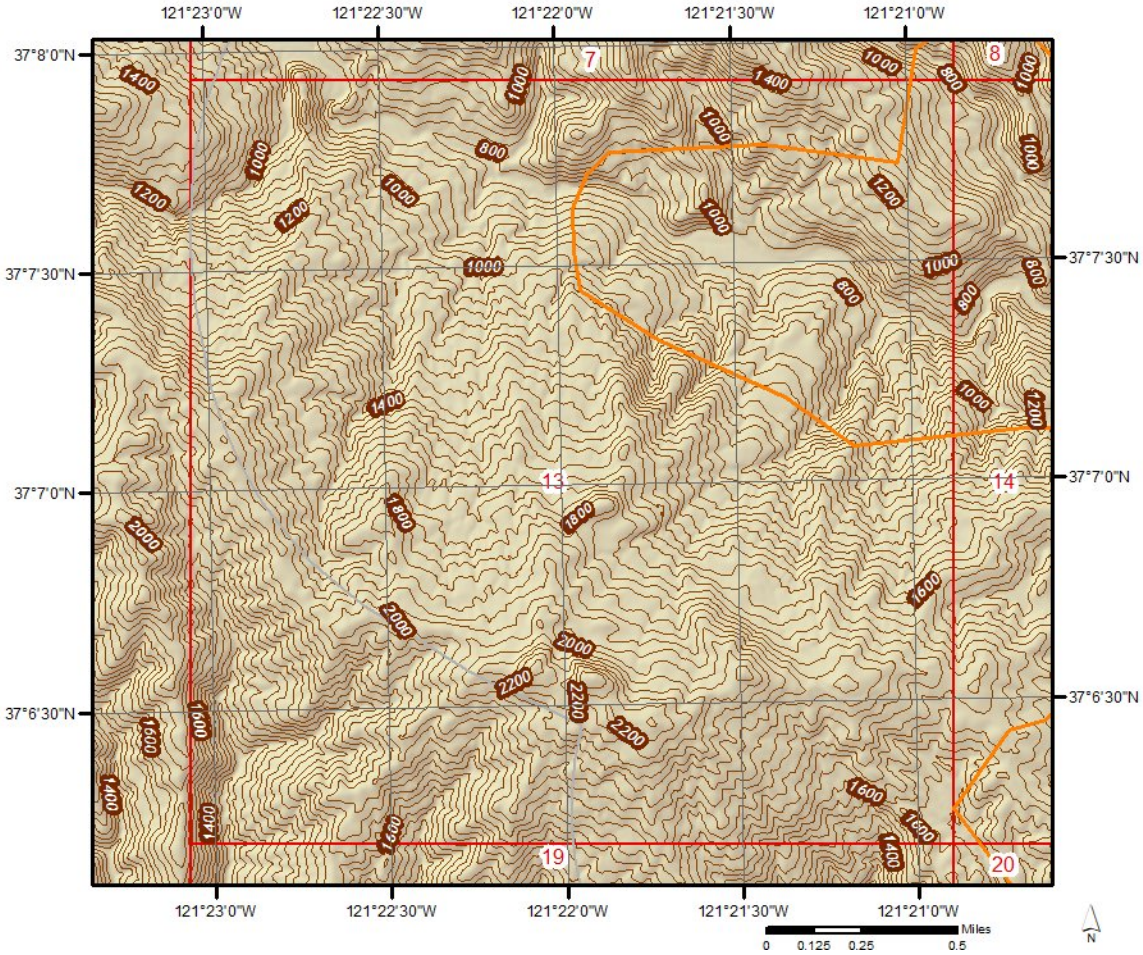
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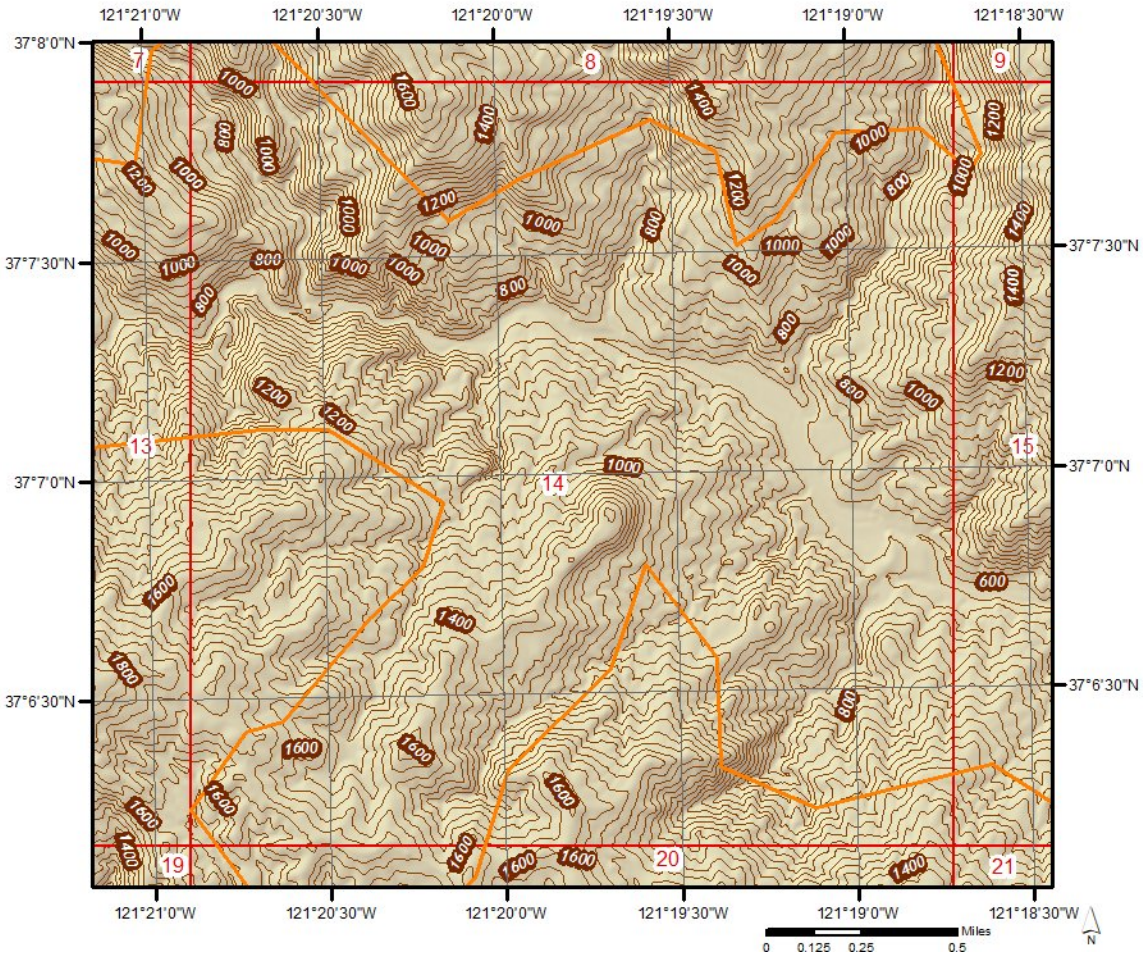
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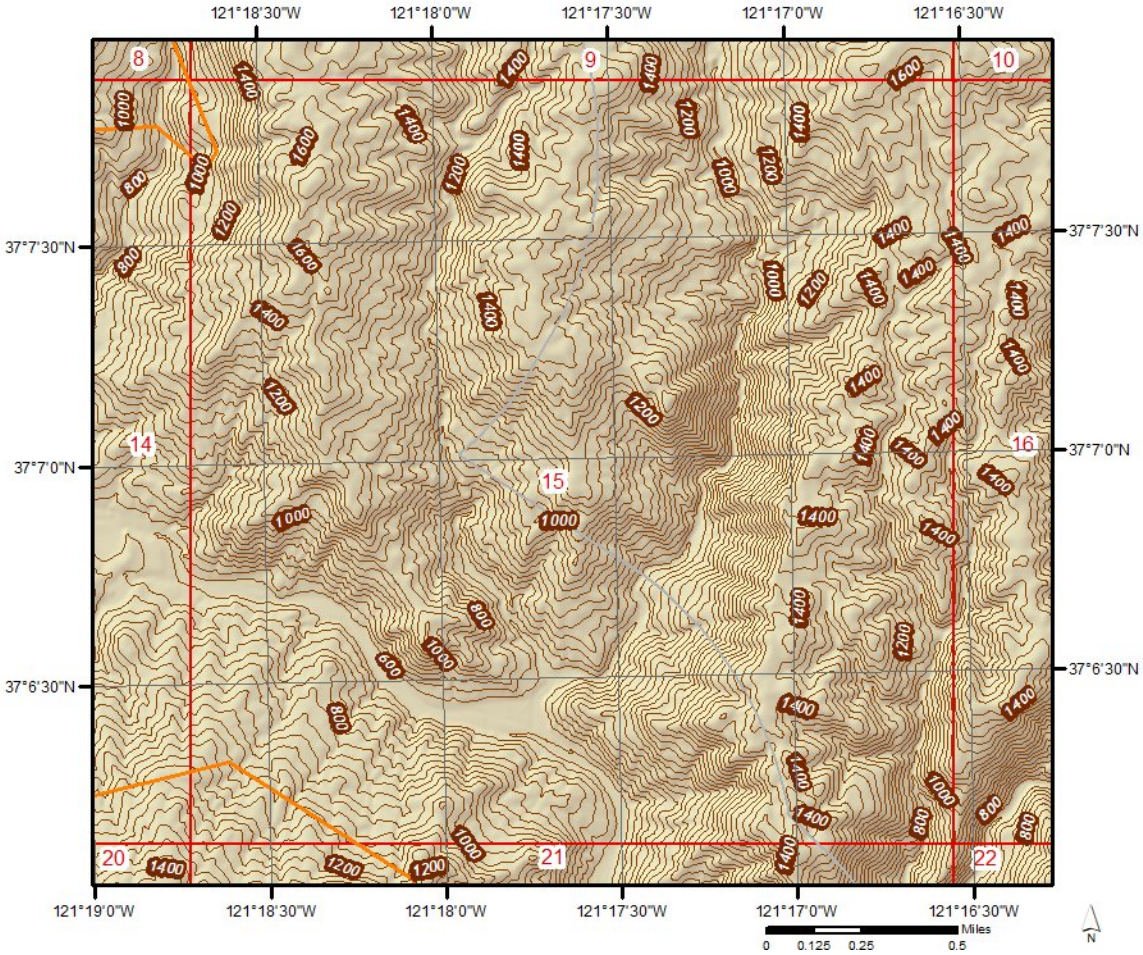
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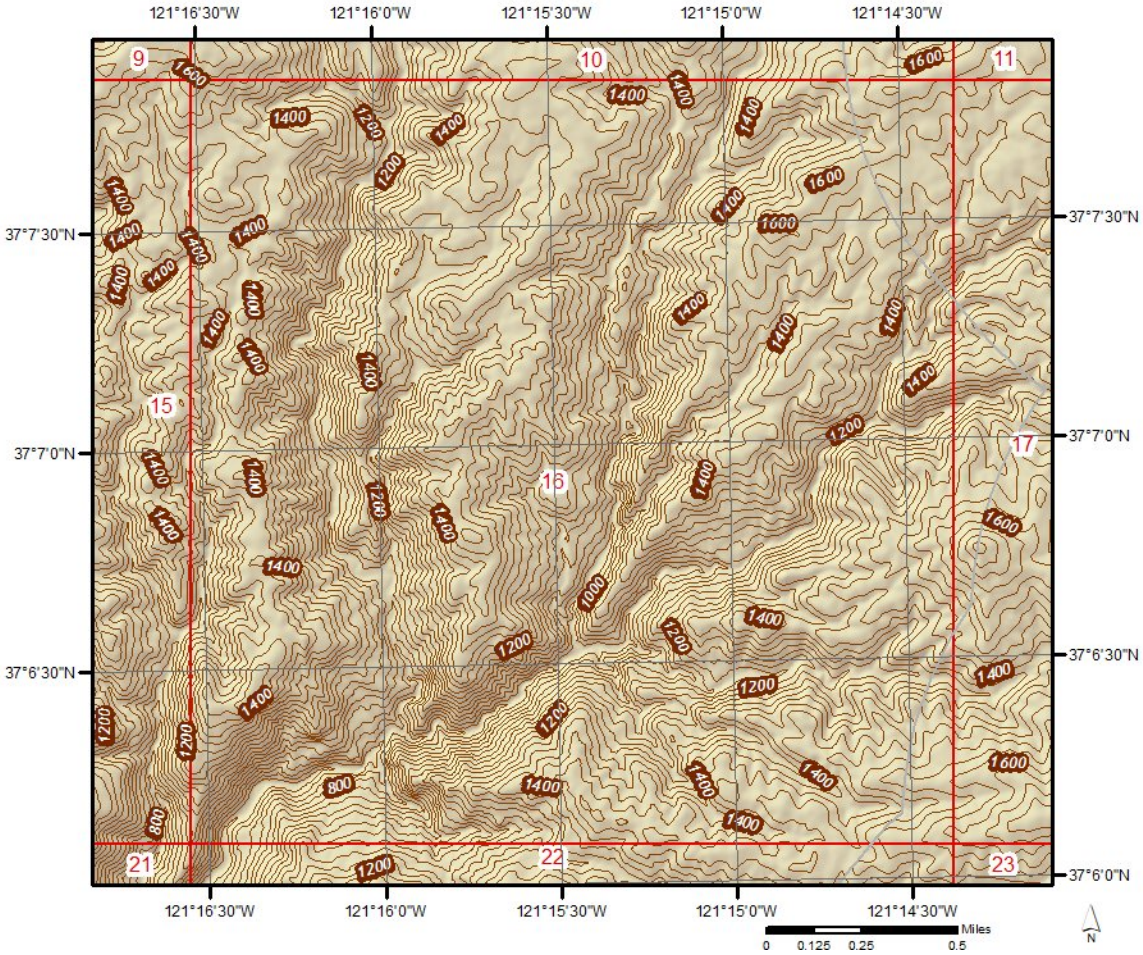
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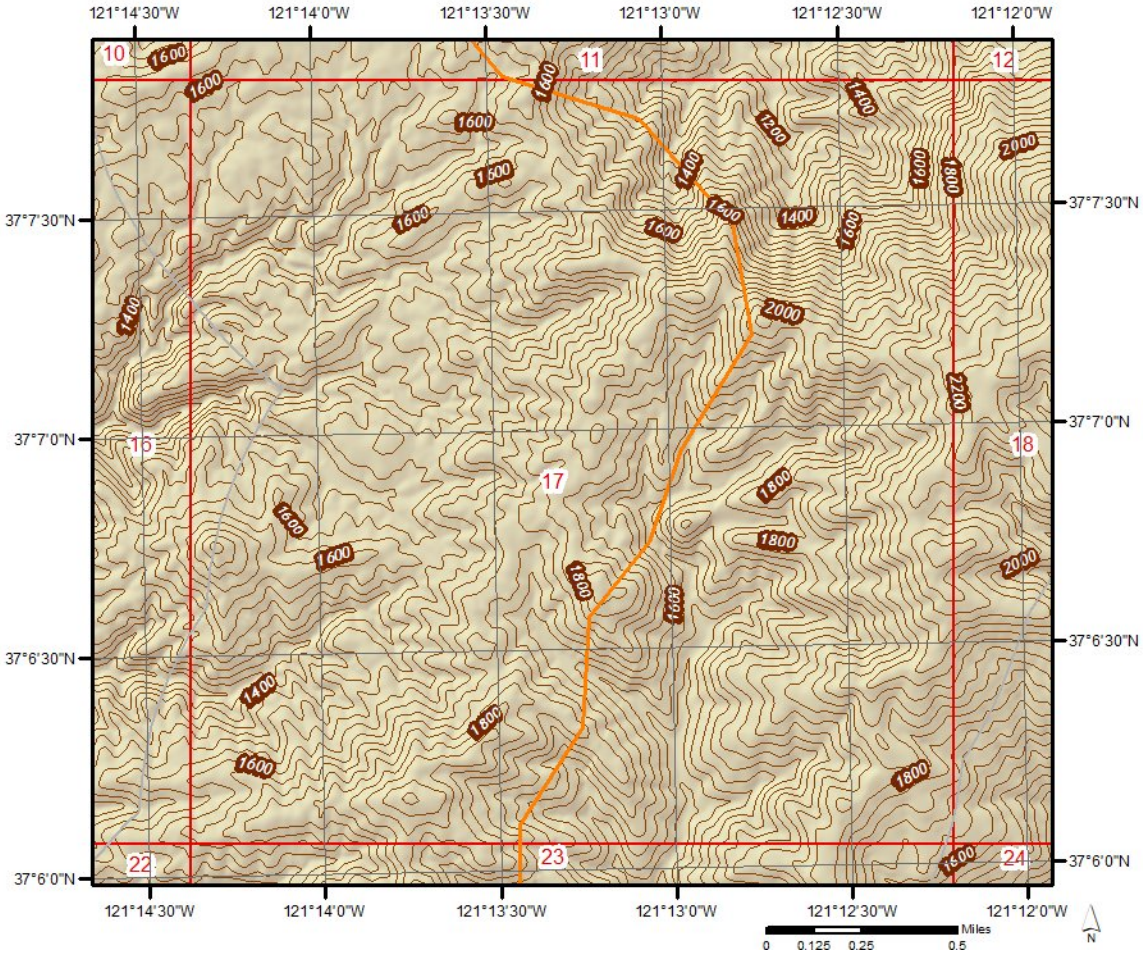
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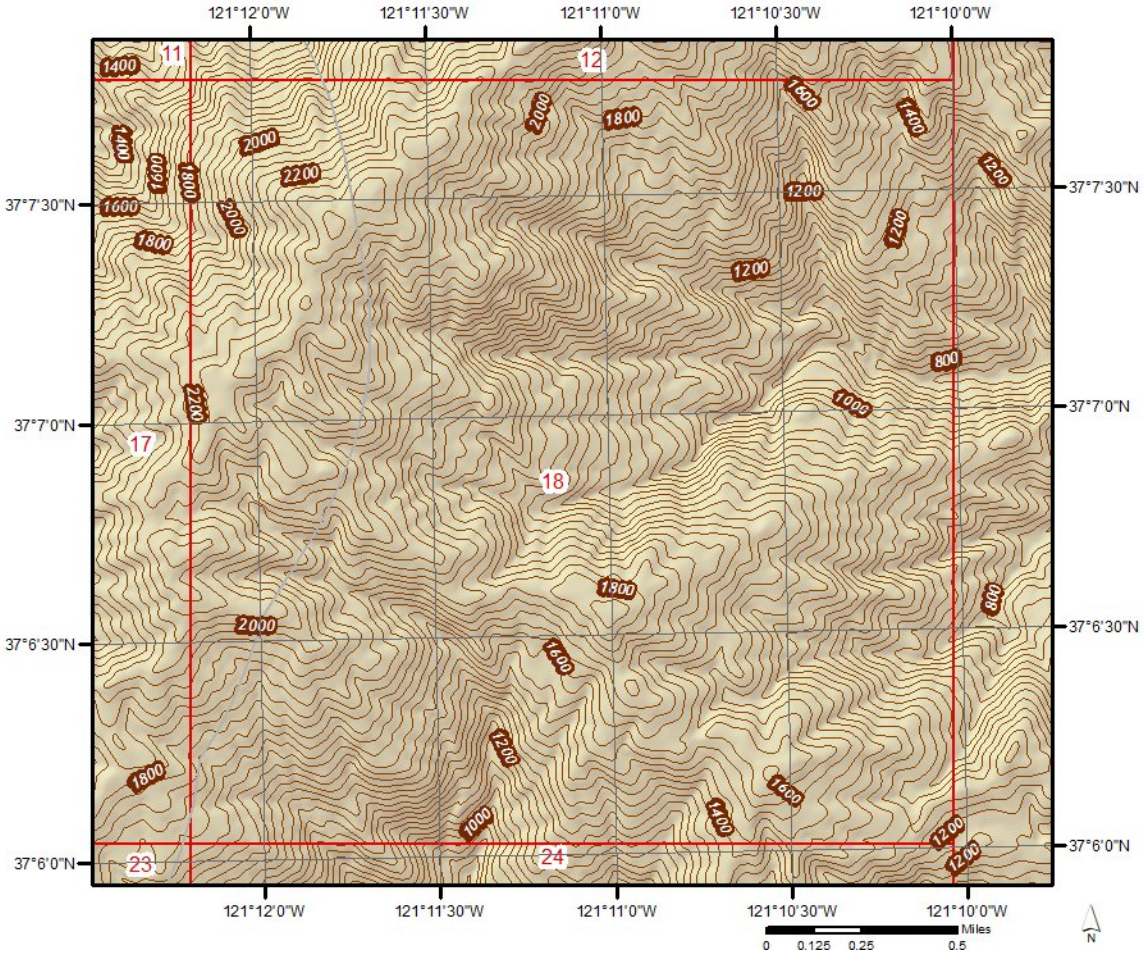
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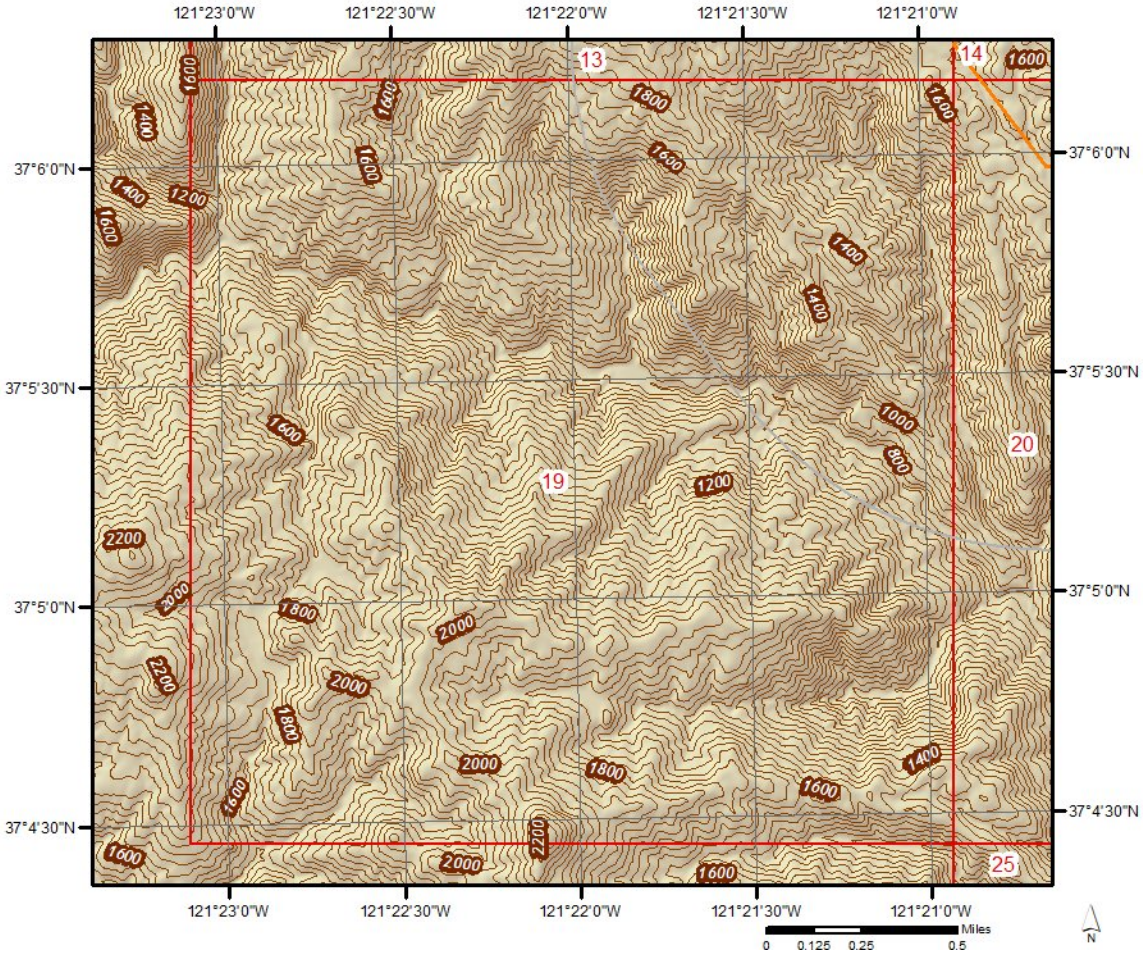
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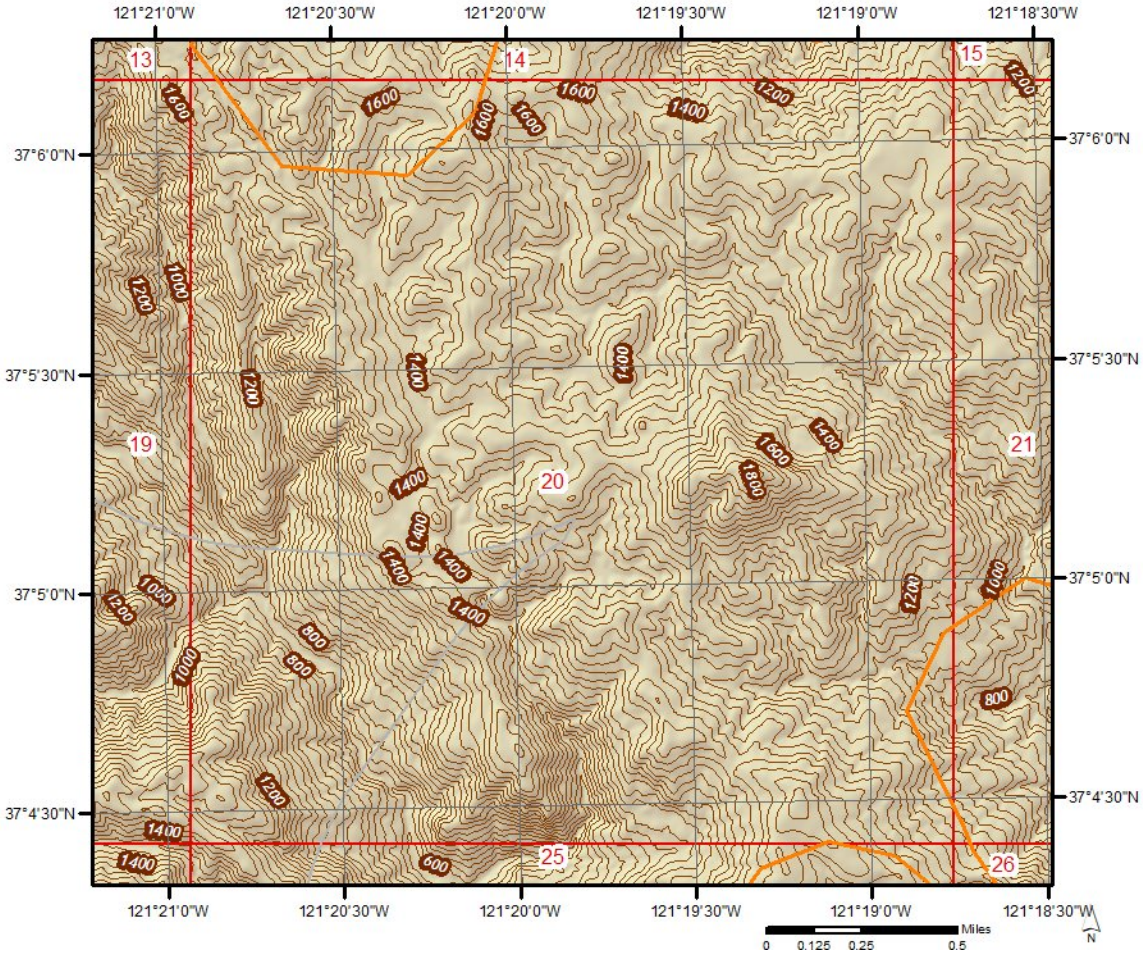
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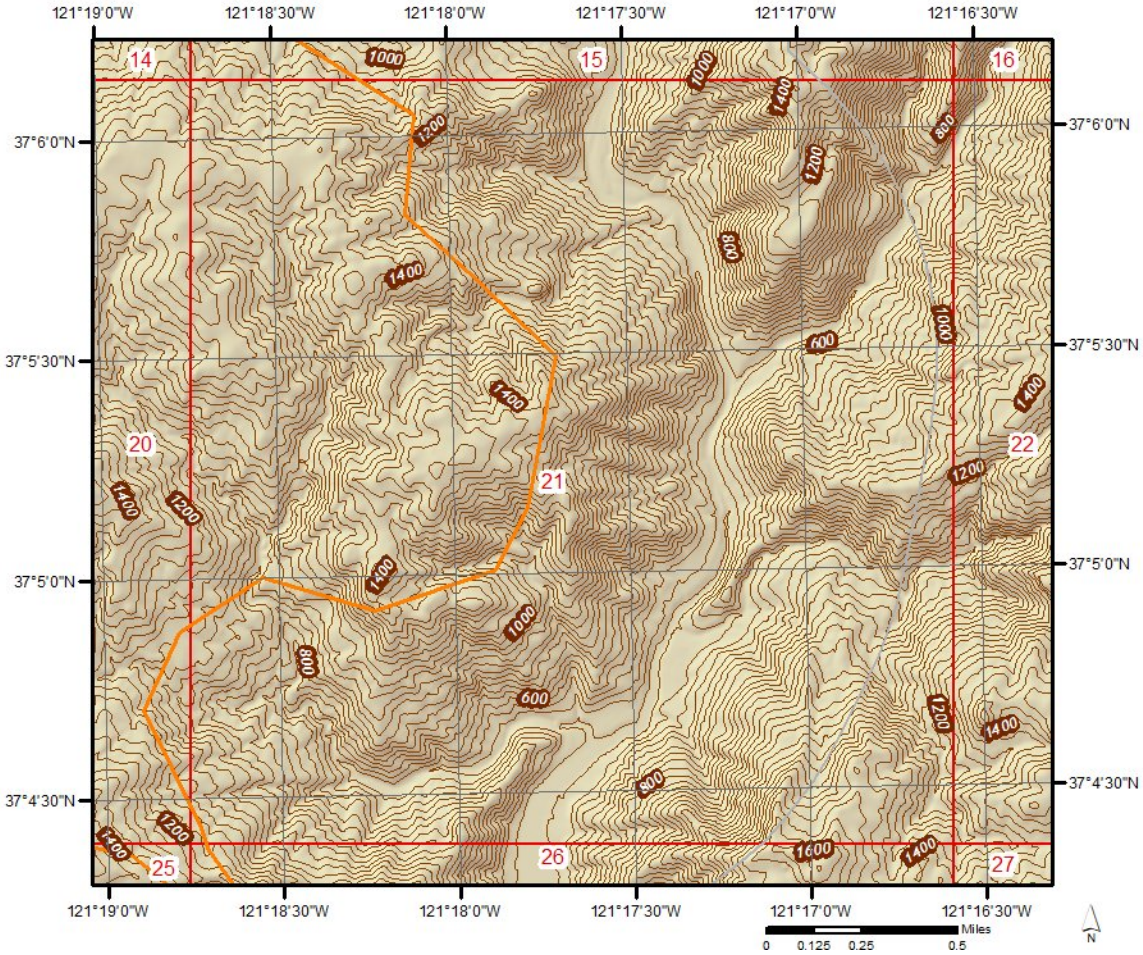
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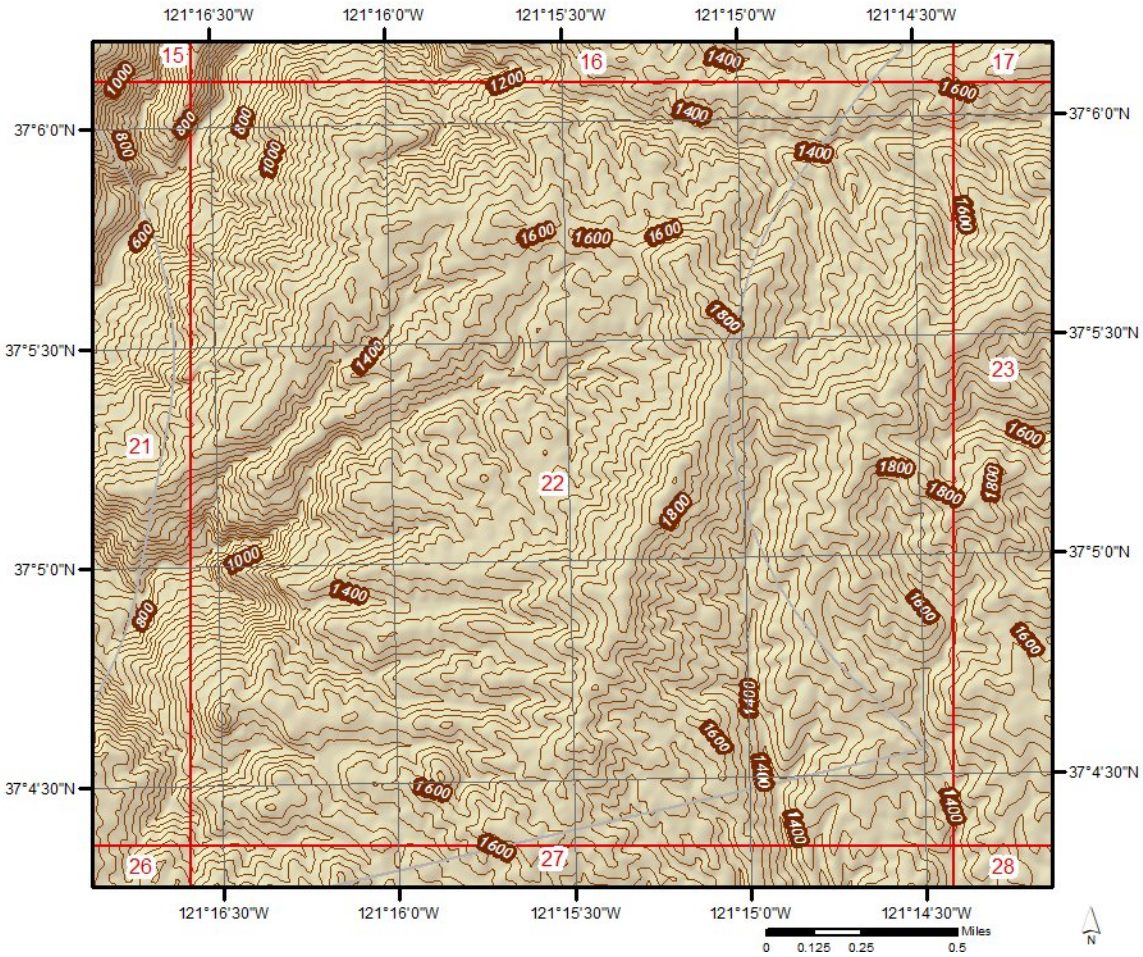
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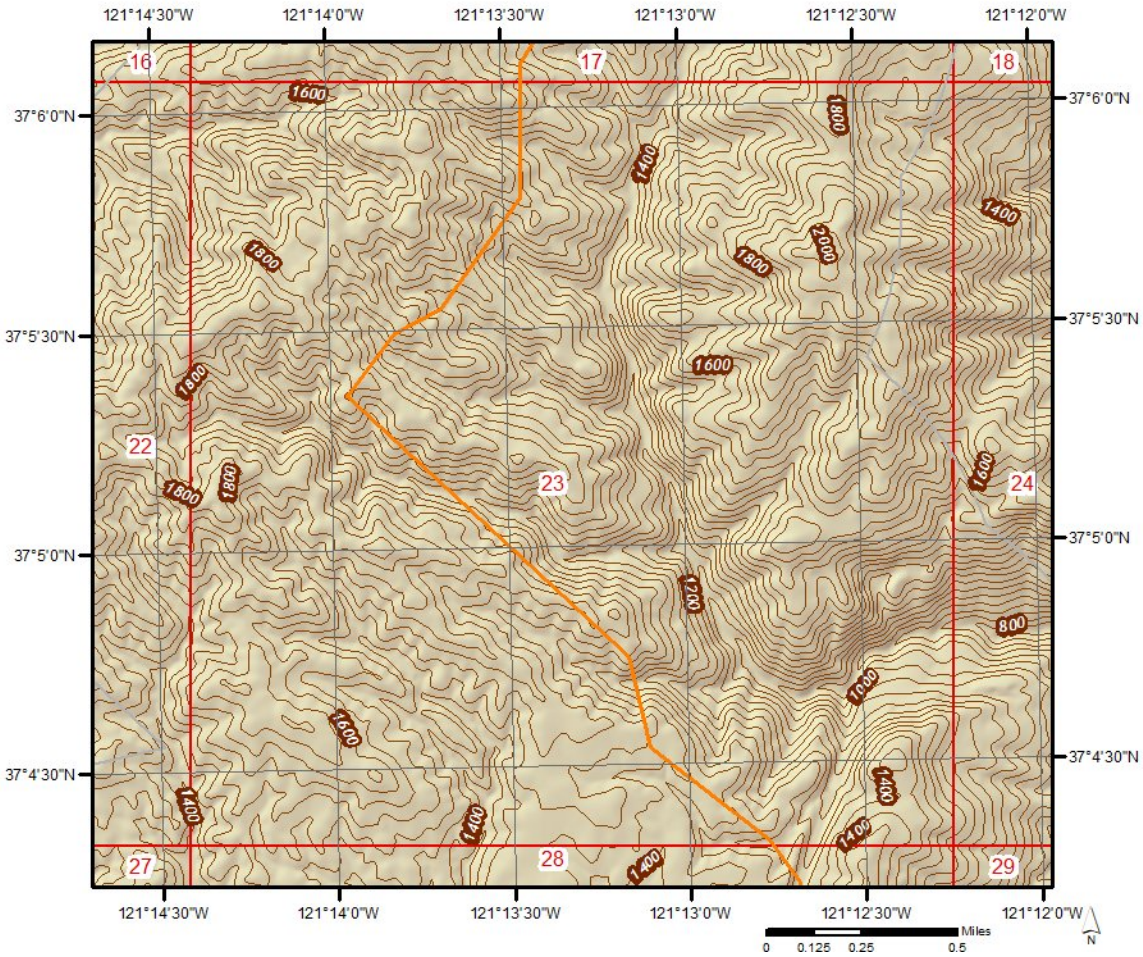
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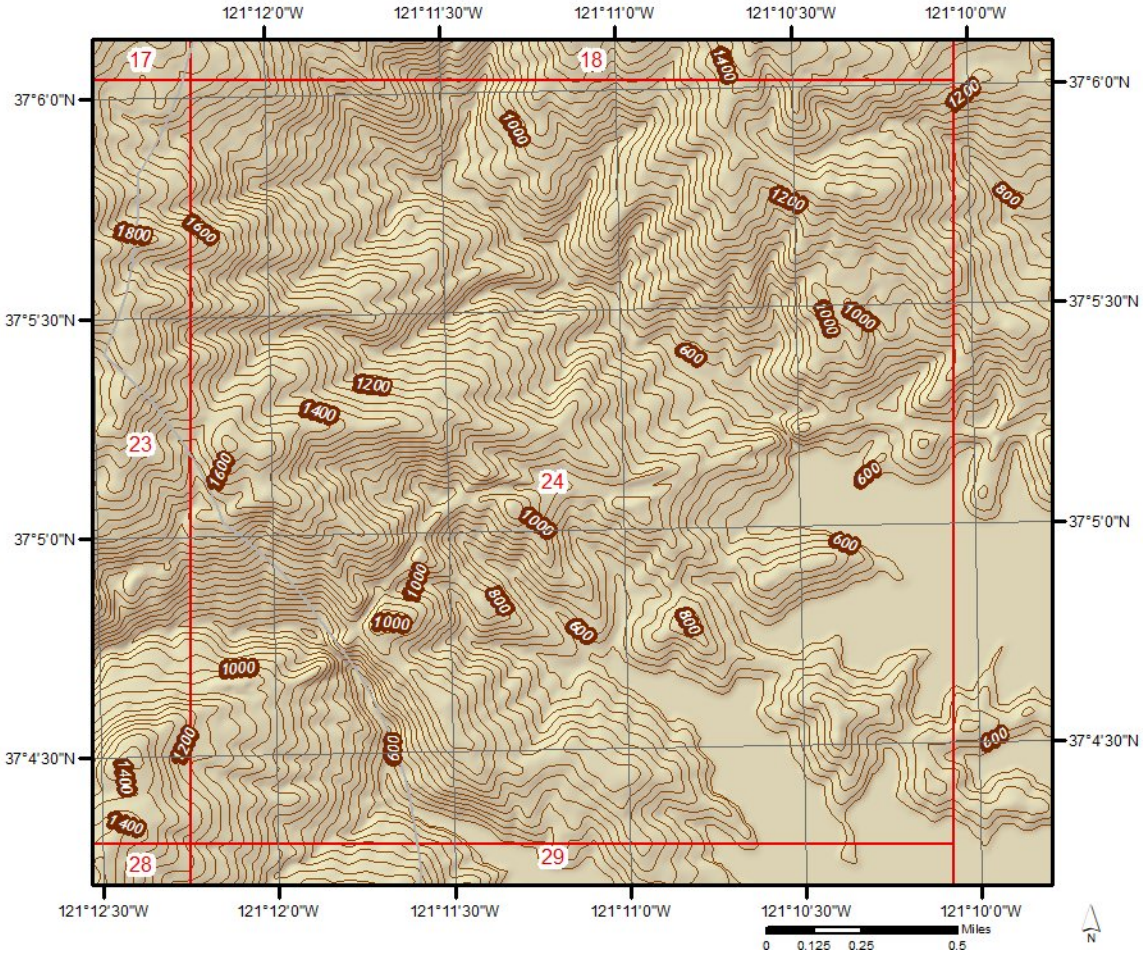
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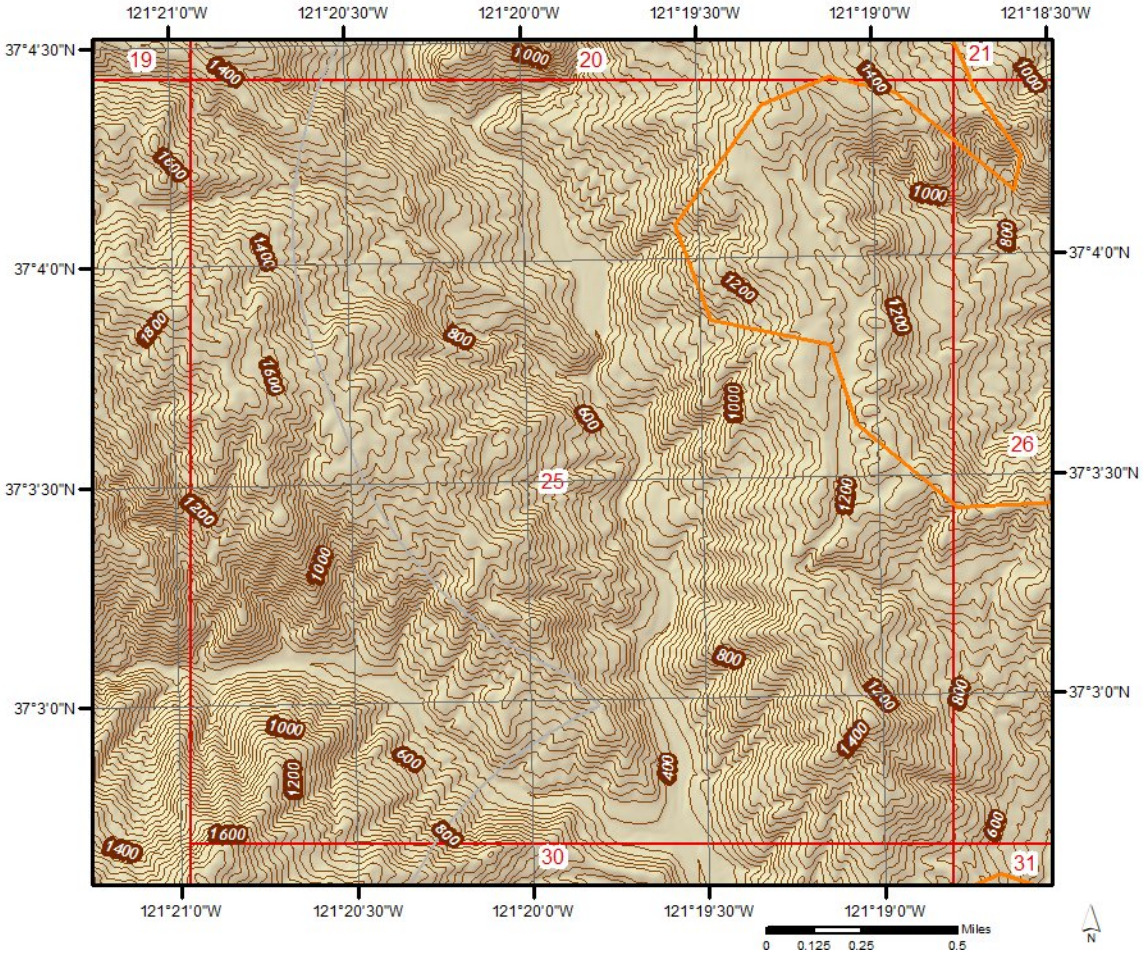
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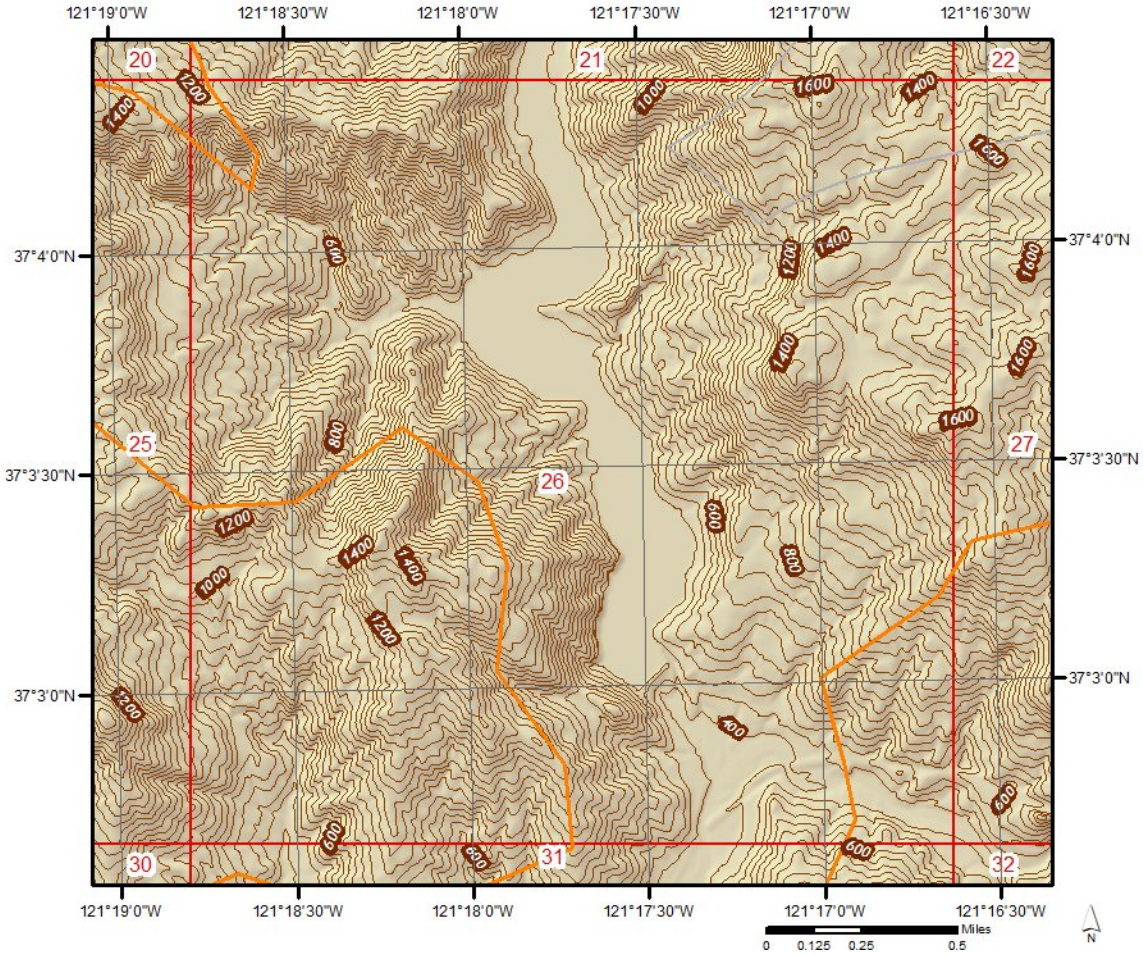
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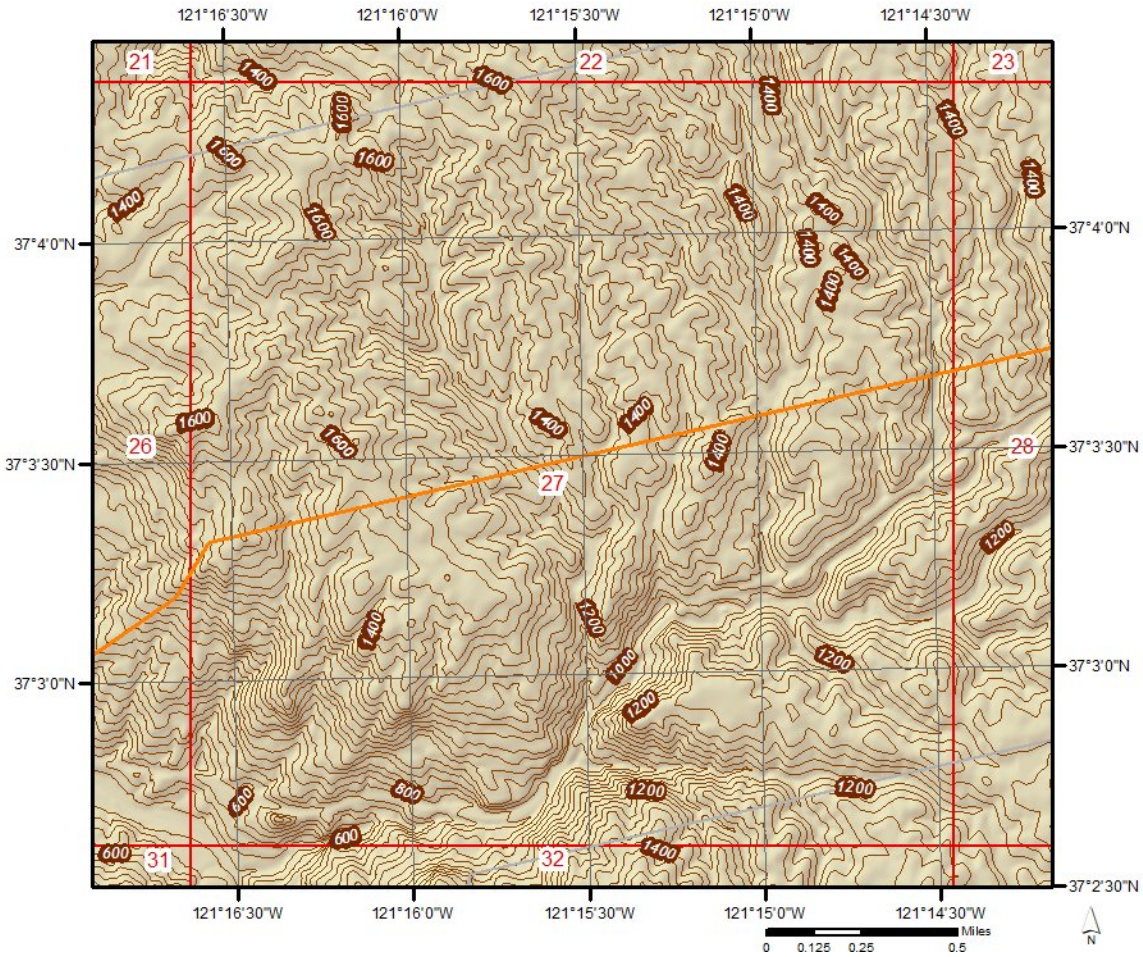
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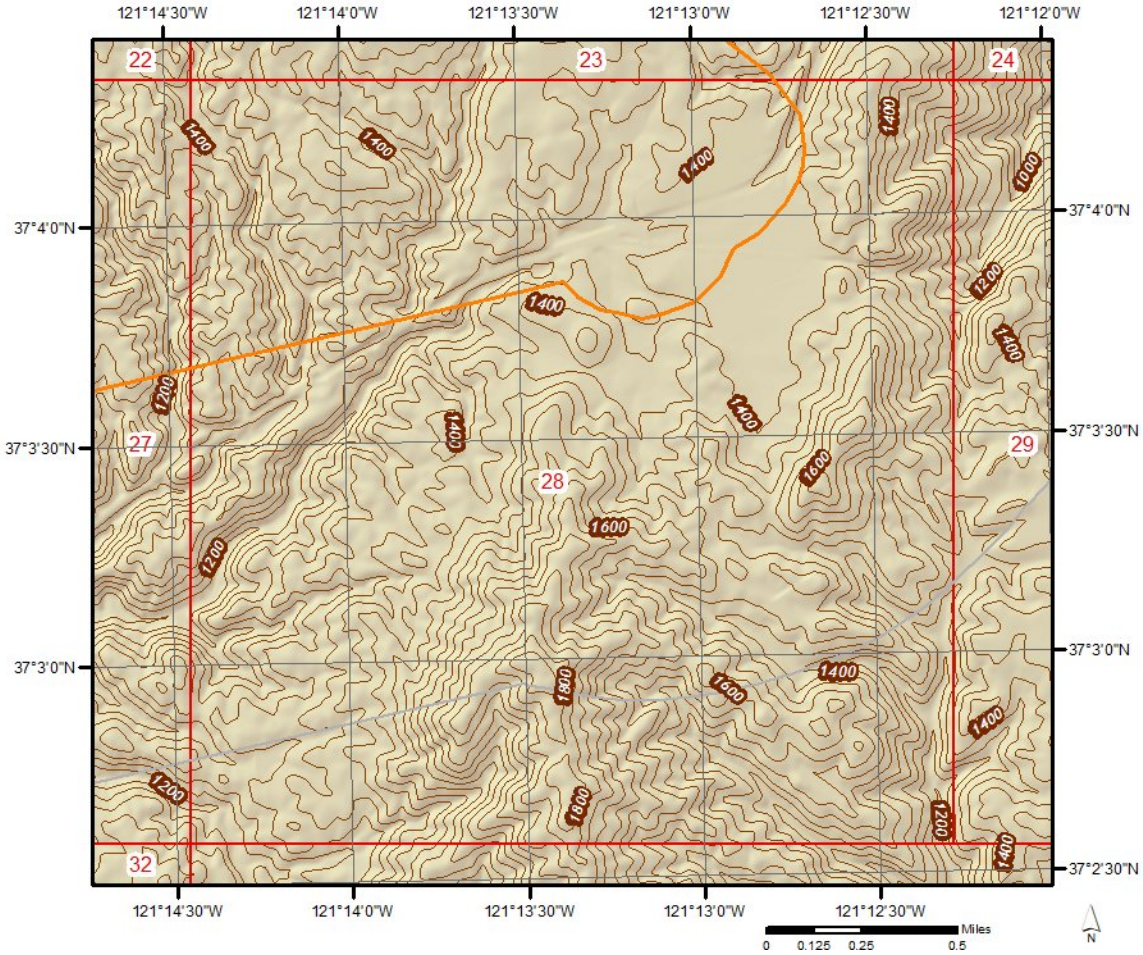
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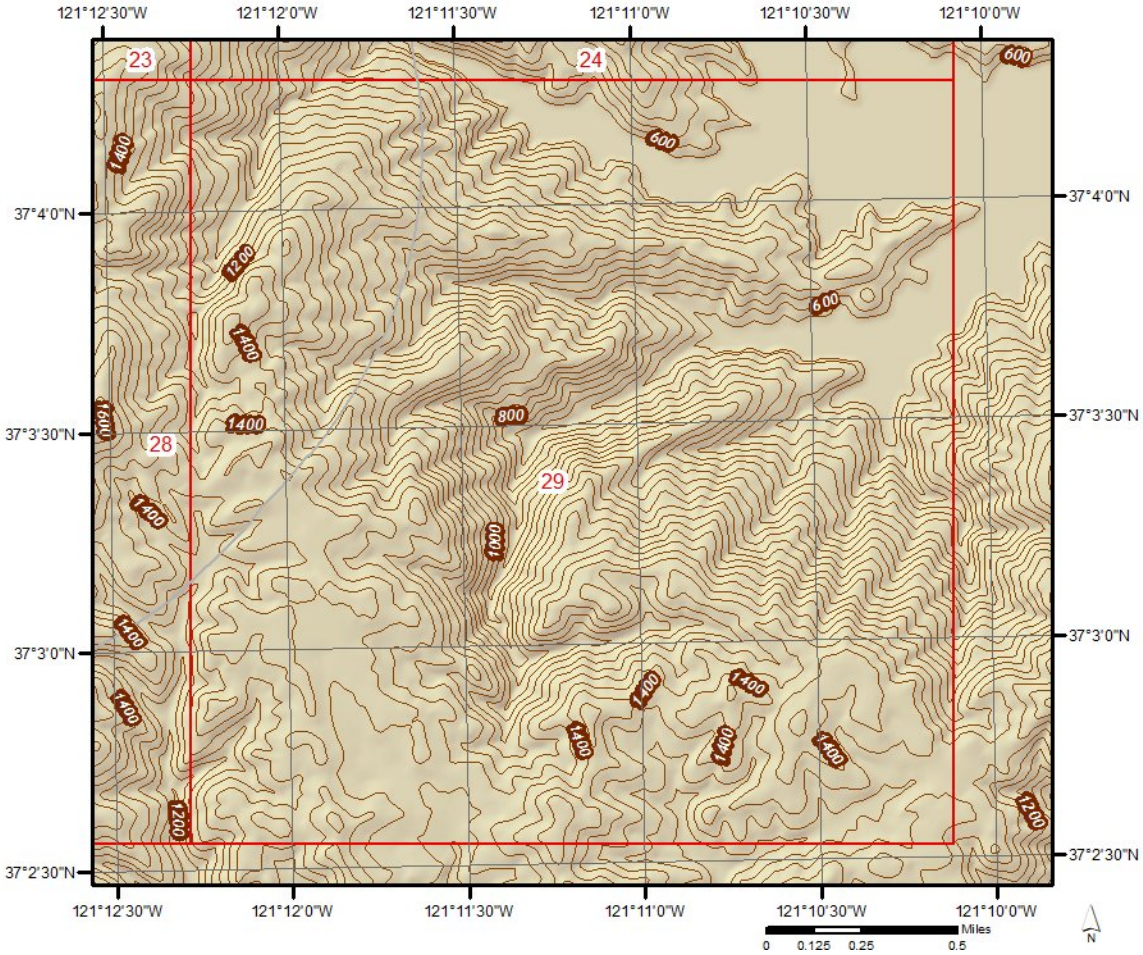
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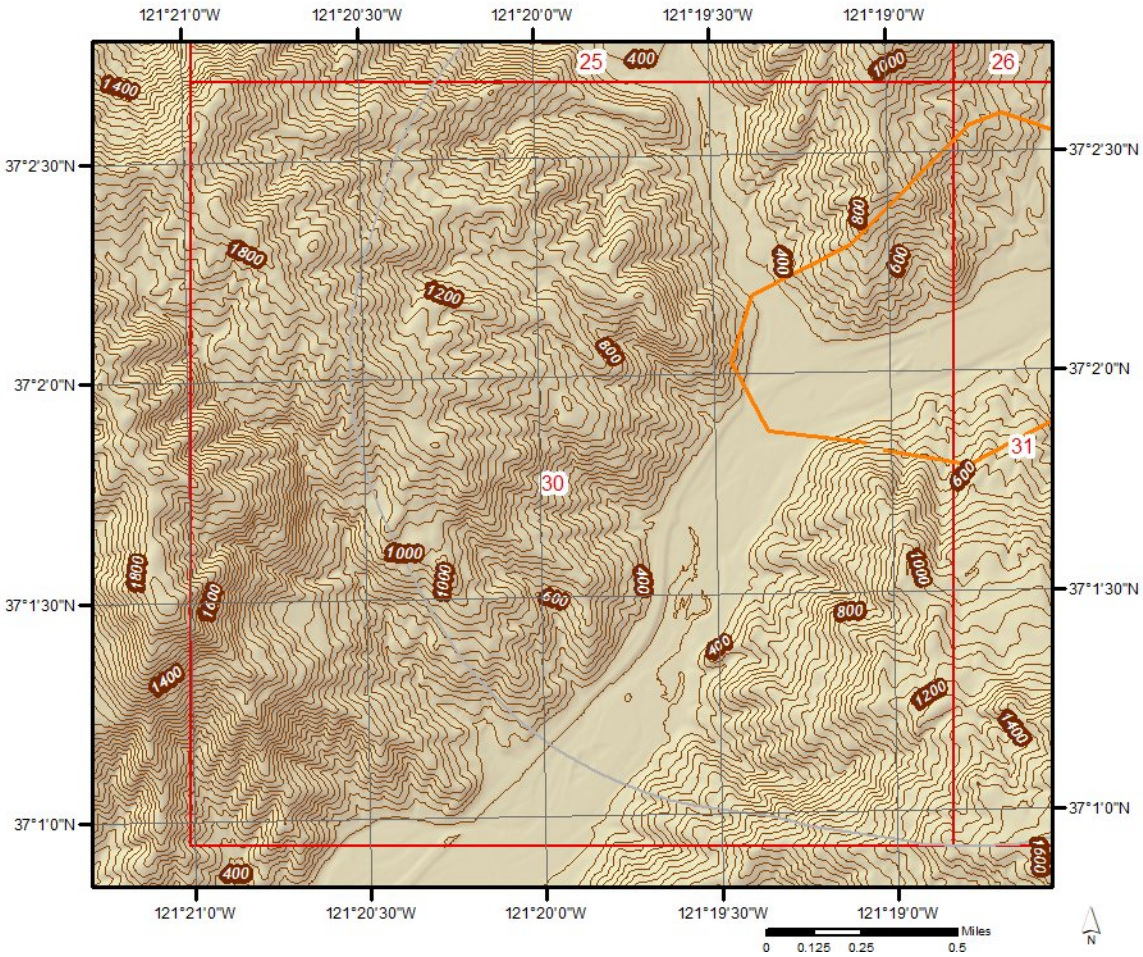
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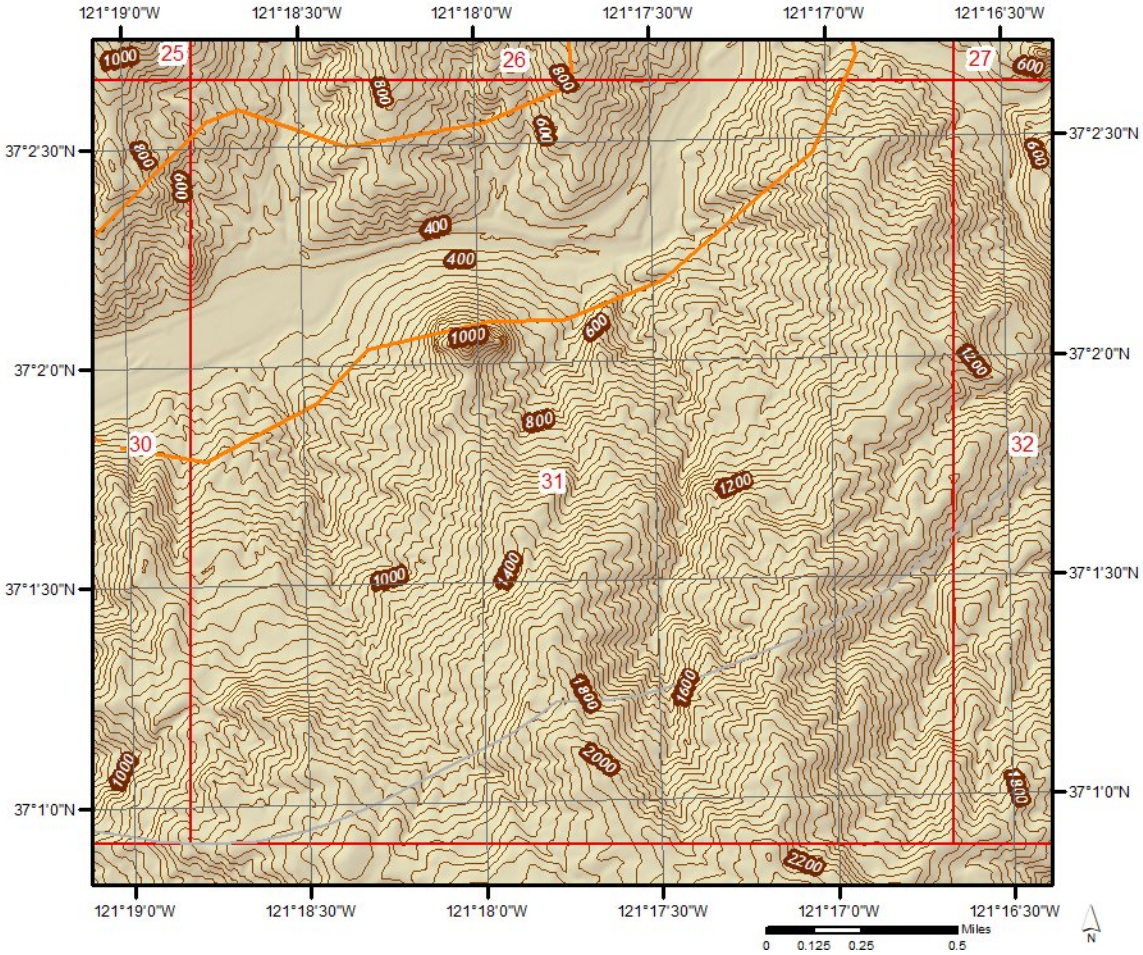
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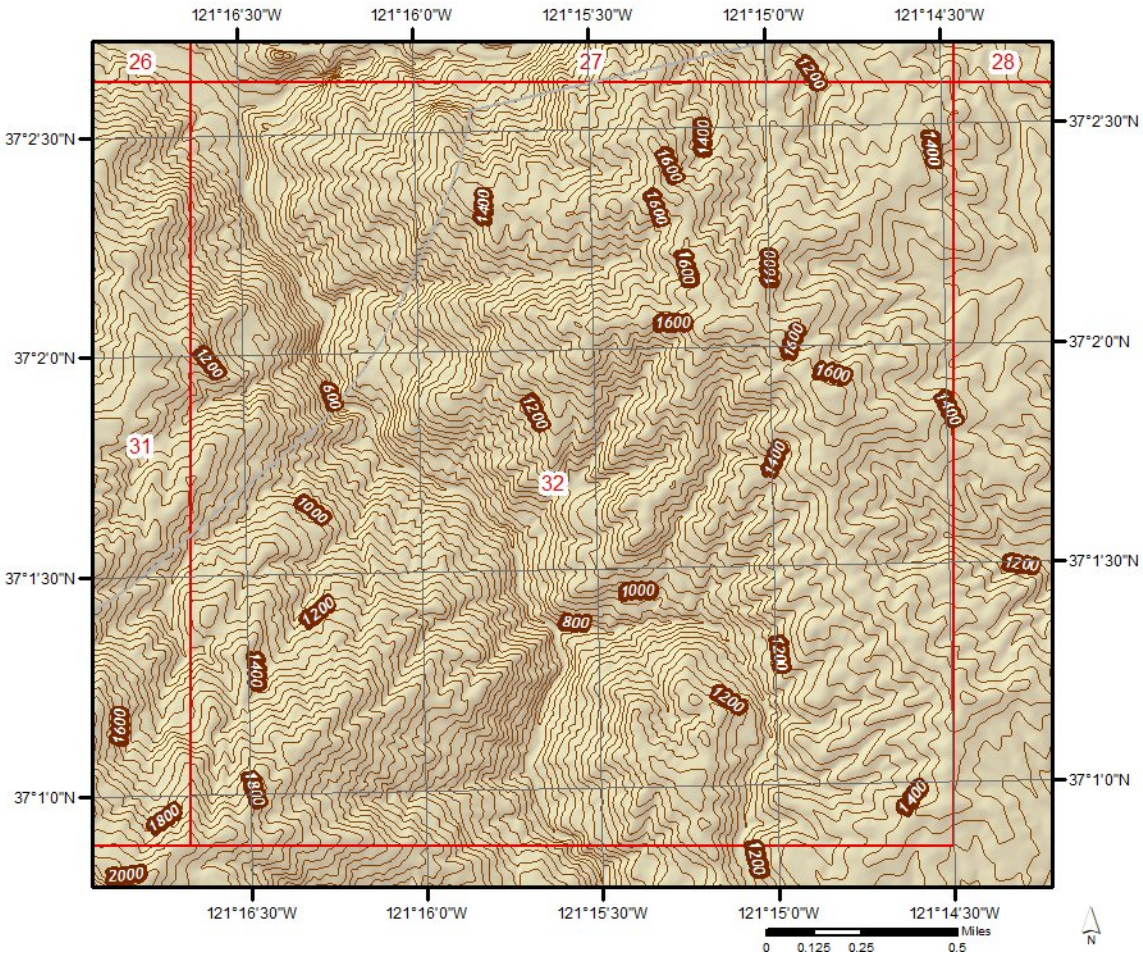
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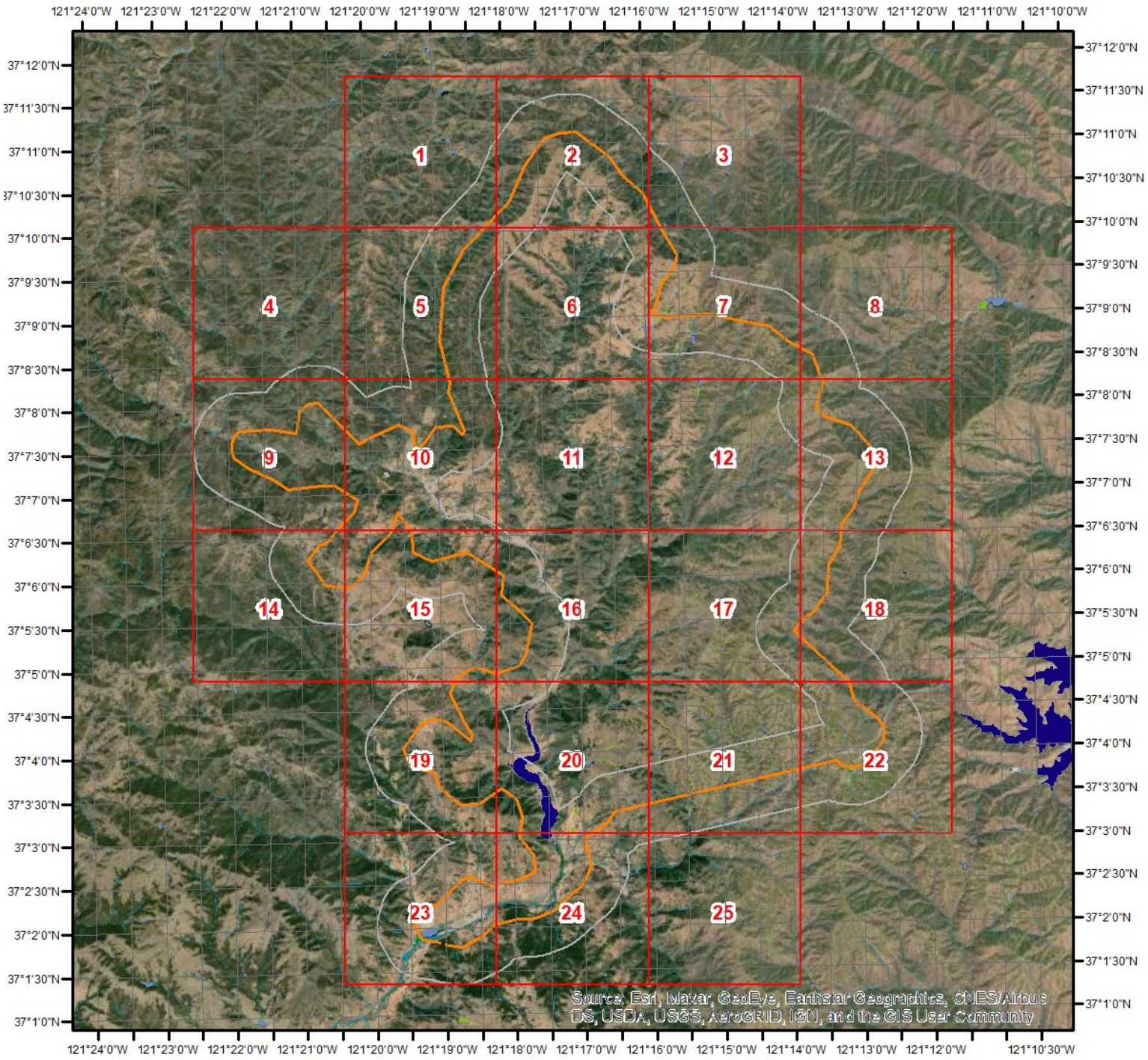
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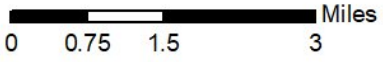
Topographic Information



Hydrologic Information



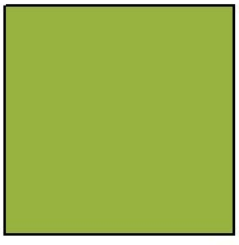
Wetland





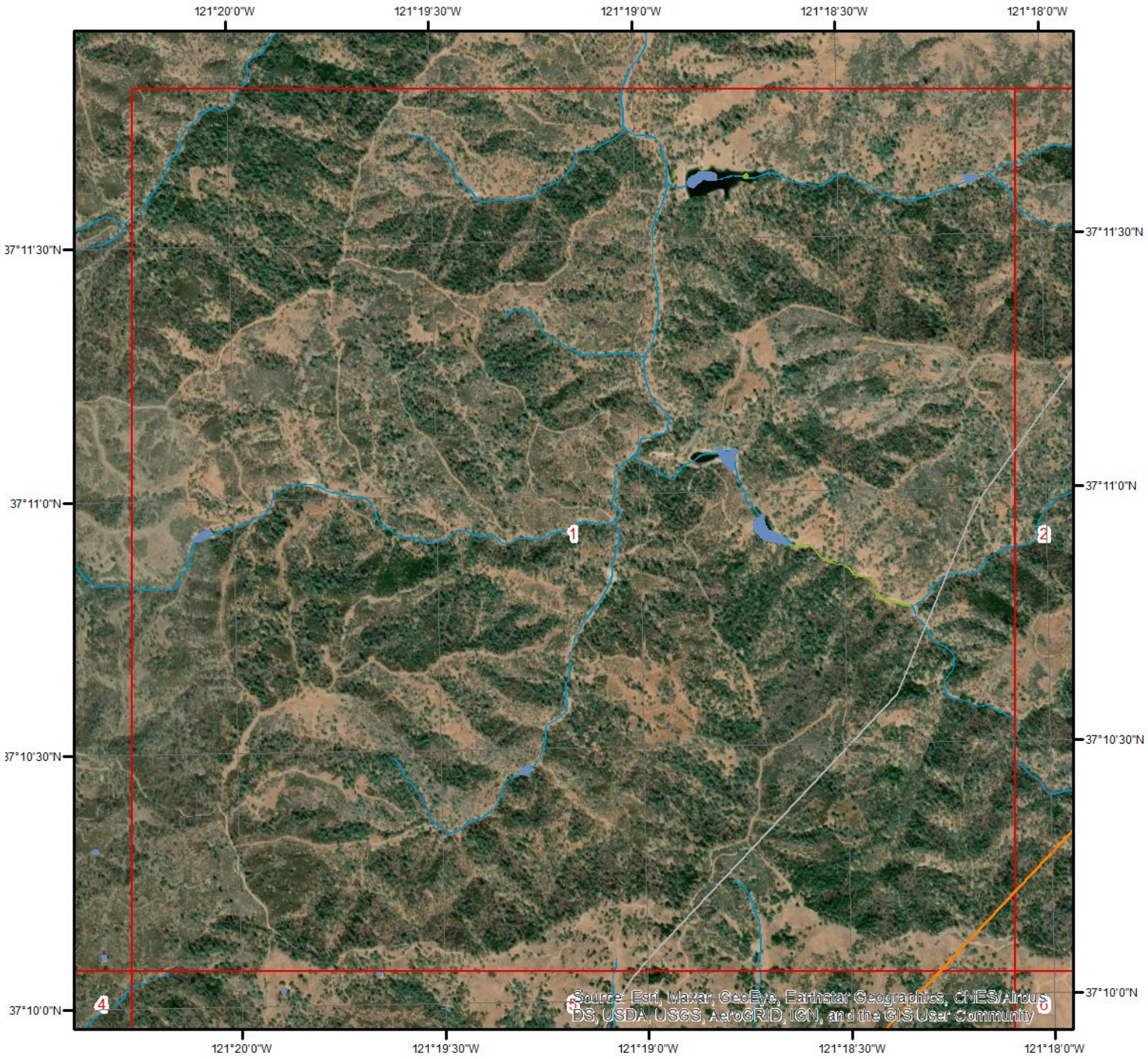
This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine



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Hydrologic Information



Wetland Type - Page 1

Miles
0 0.125 0.25 0.5

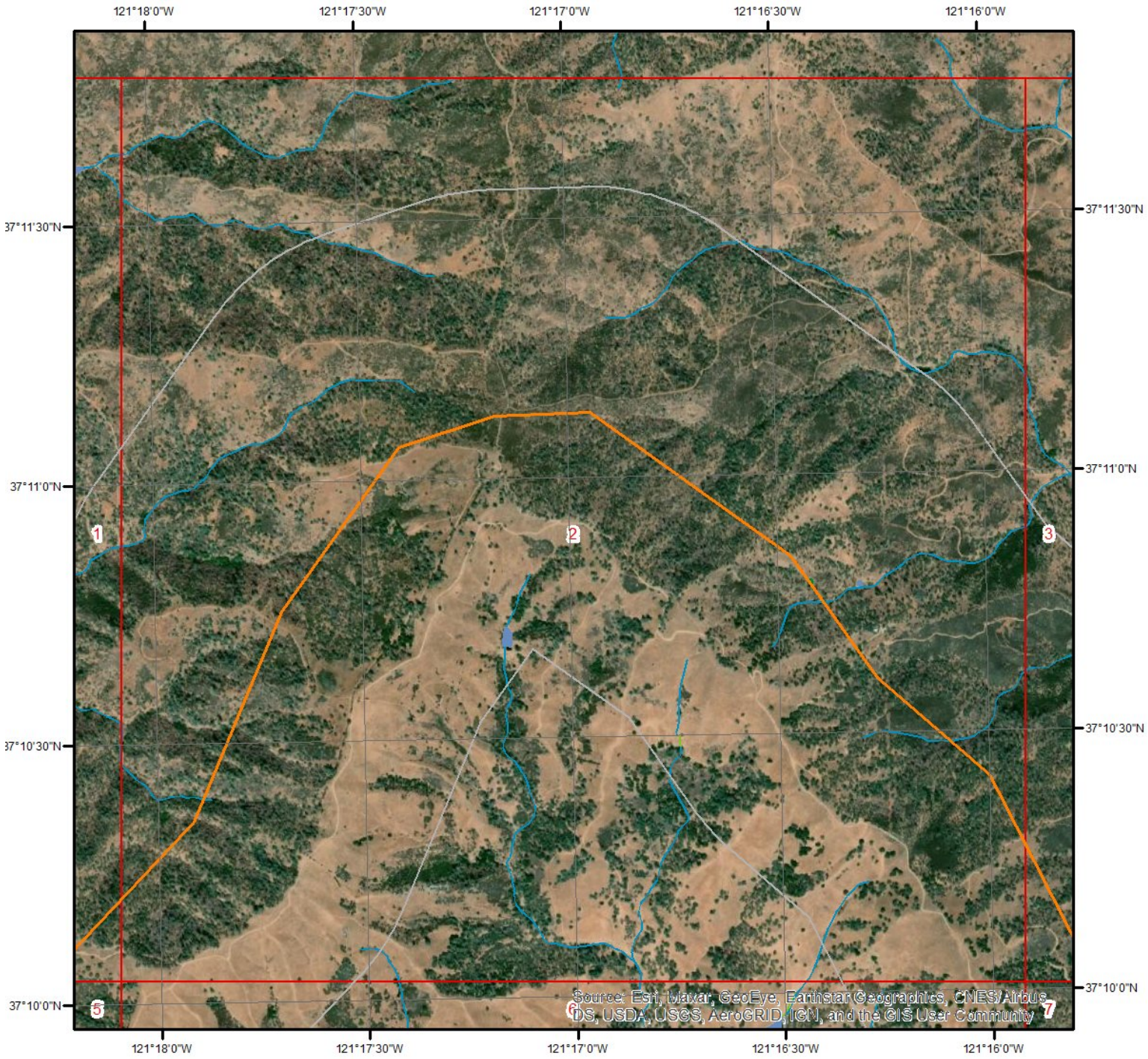
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Hydrologic Information



Wetland Type - Page 2

0 0.125 0.25 0.5 Miles

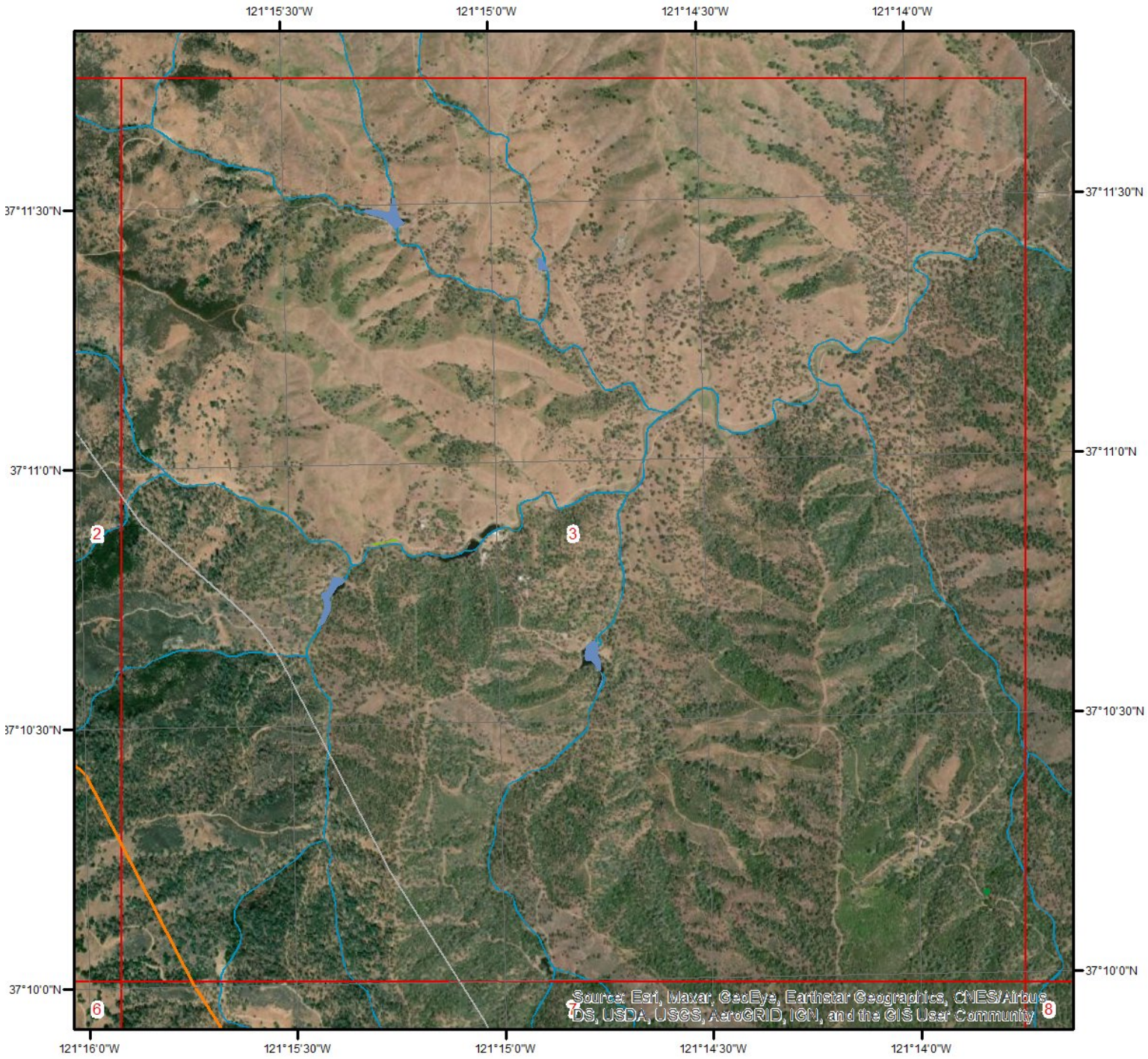
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Hydrologic Information



Wetland Type - Page 3

0 0.125 0.25 0.5 Miles

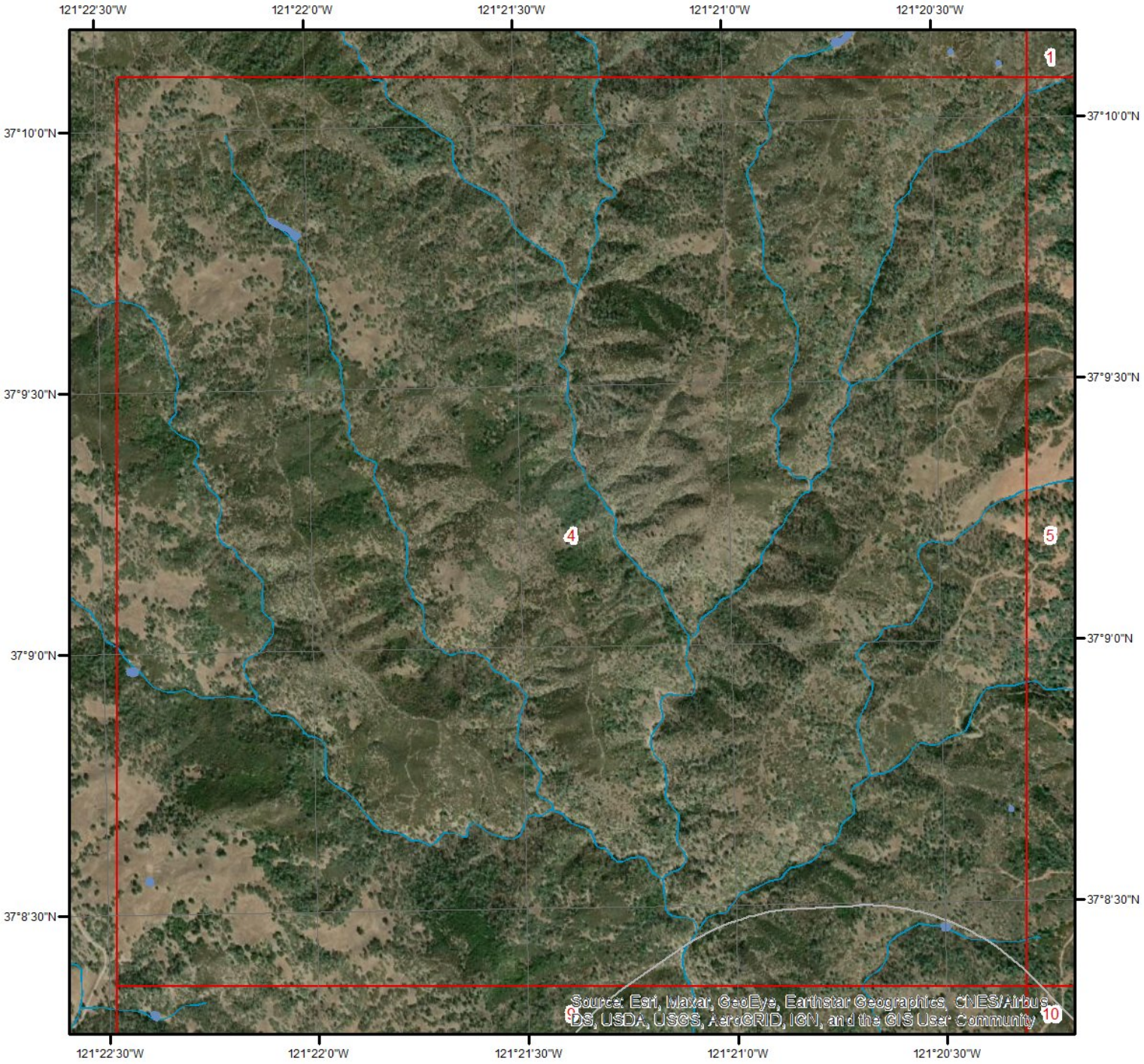
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Hydrologic Information



Wetland Type - Page 4

0 0.125 0.25 0.5 Miles

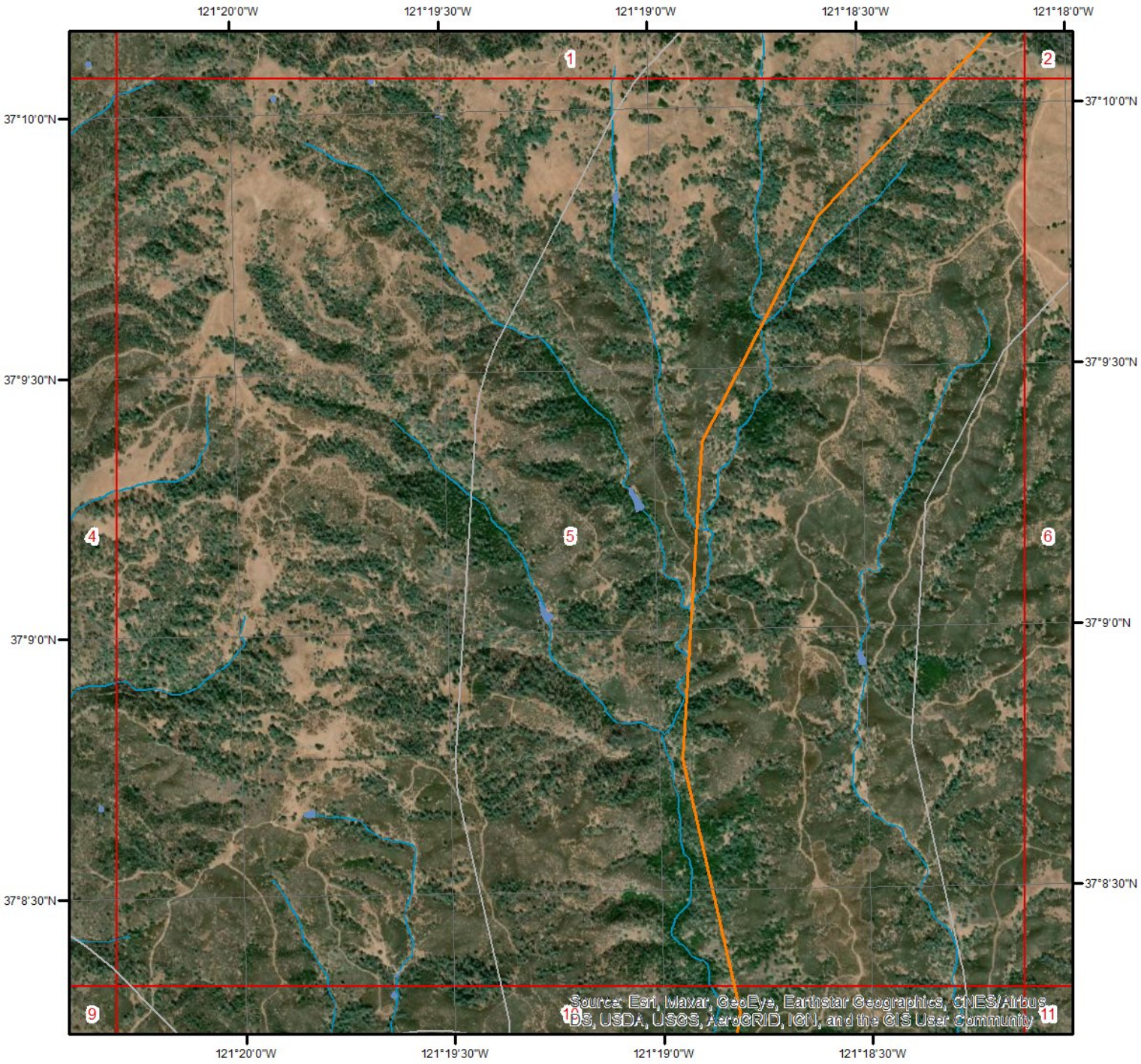
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

ERIS
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Hydrologic Information



Wetland Type - Page 5

0 0.125 0.25 0.5 Miles

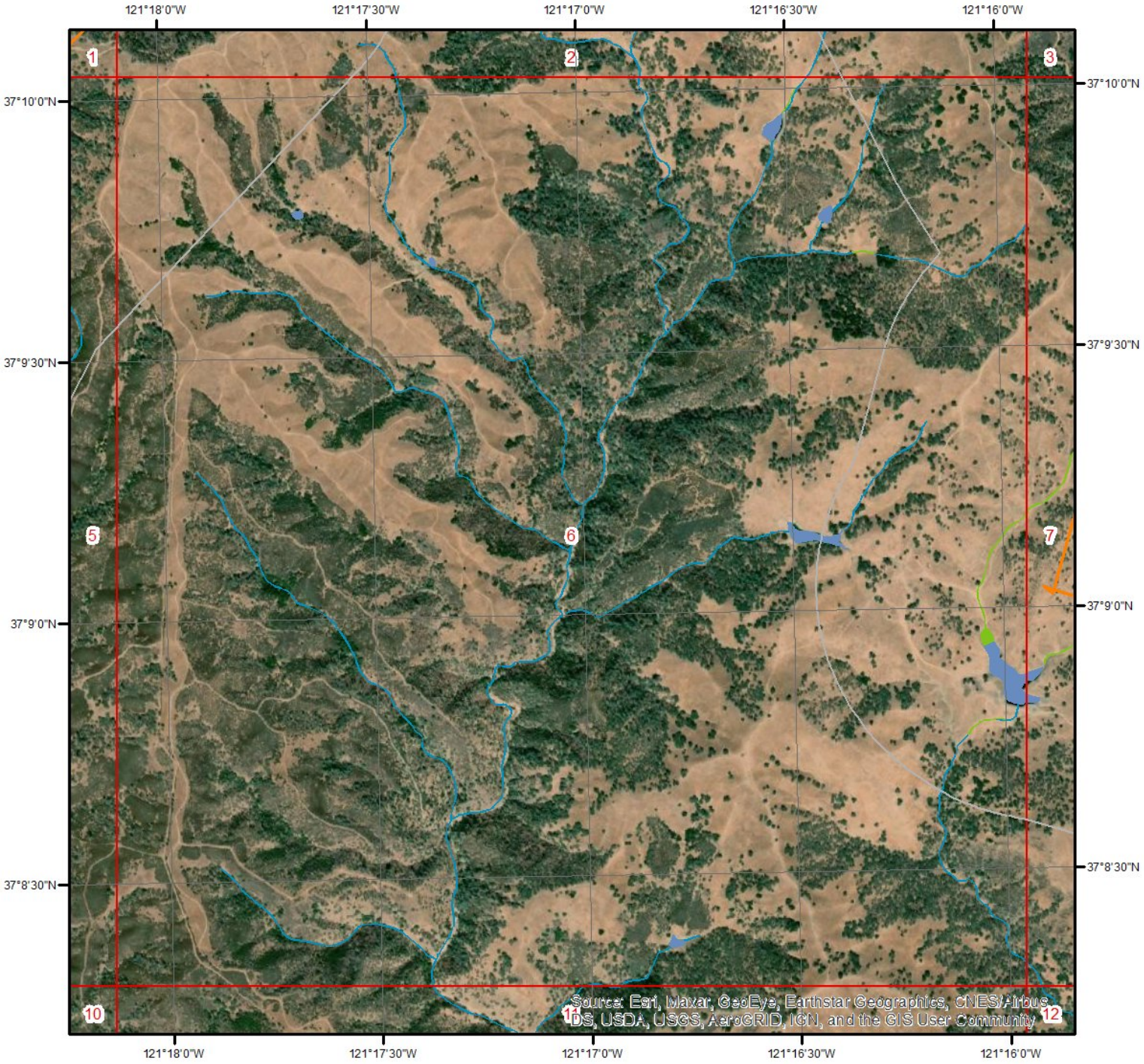
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Hydrologic Information



Wetland Type - Page 6

0 0.125 0.25 0.5 Miles

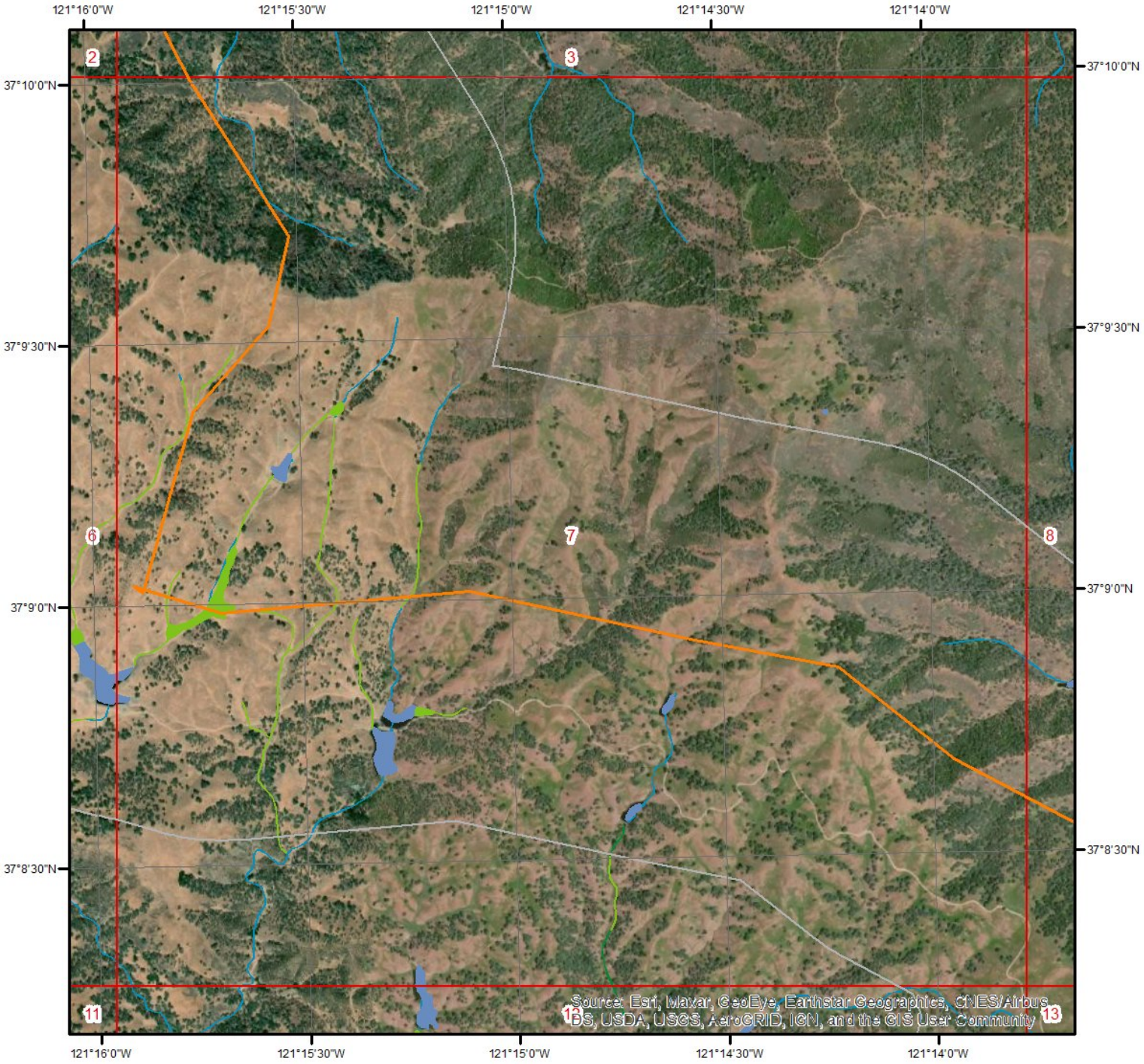
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Hydrologic Information



Wetland Type - Page 7

0 0.125 0.25 0.5 Miles

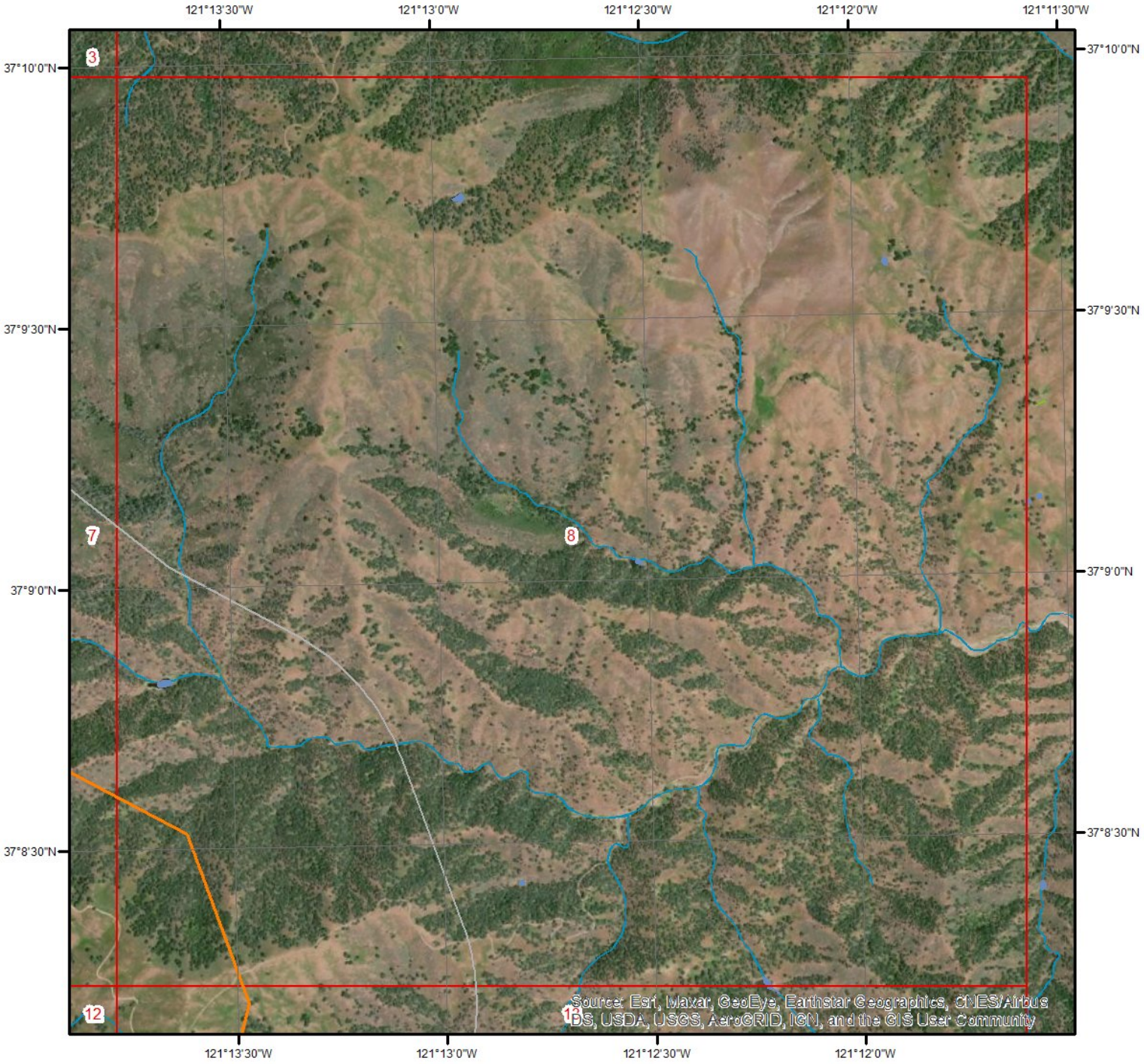
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 8

0 0.125 0.25 0.5 Miles

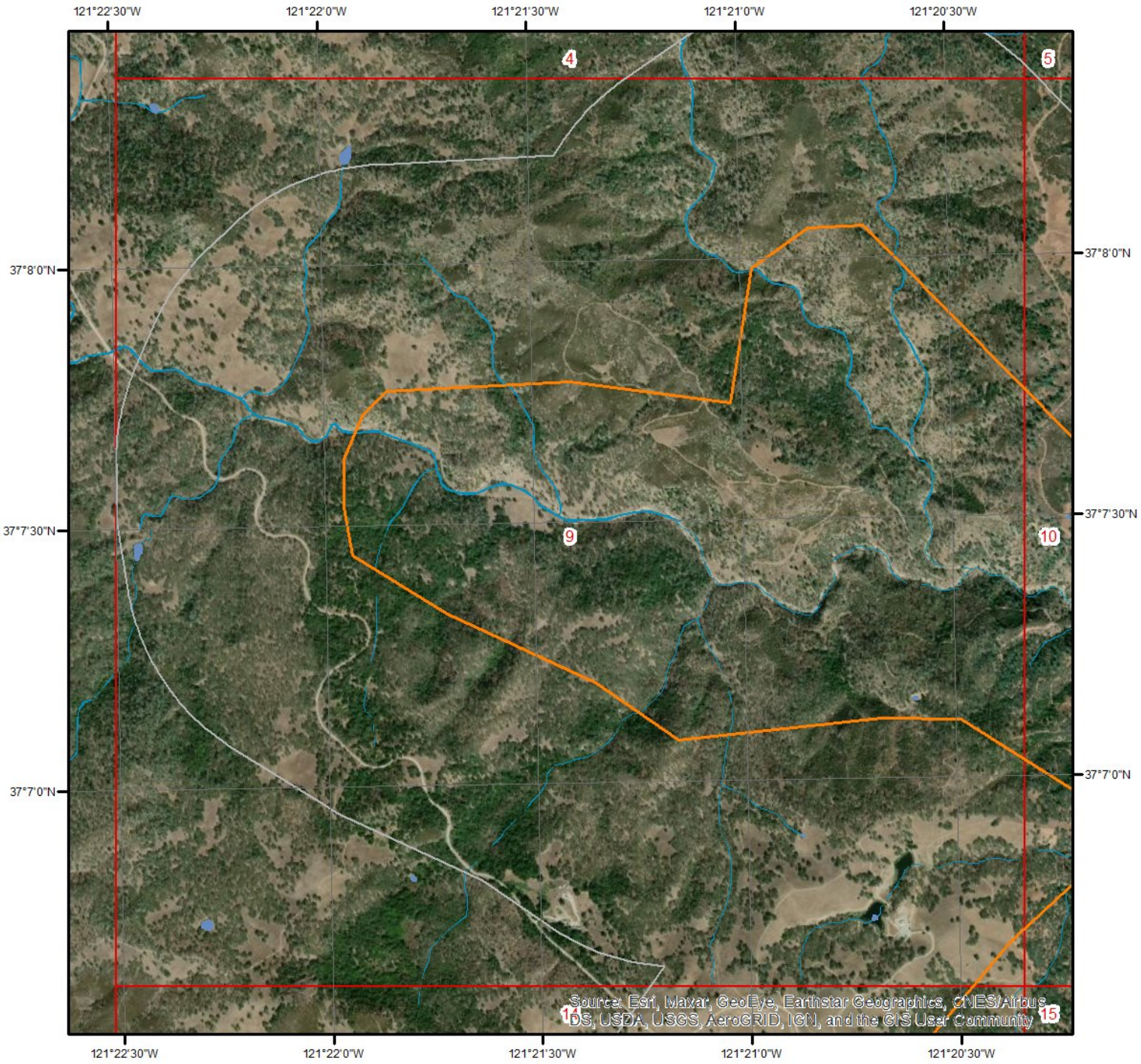
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 9

0 0.125 0.25 0.5 Miles

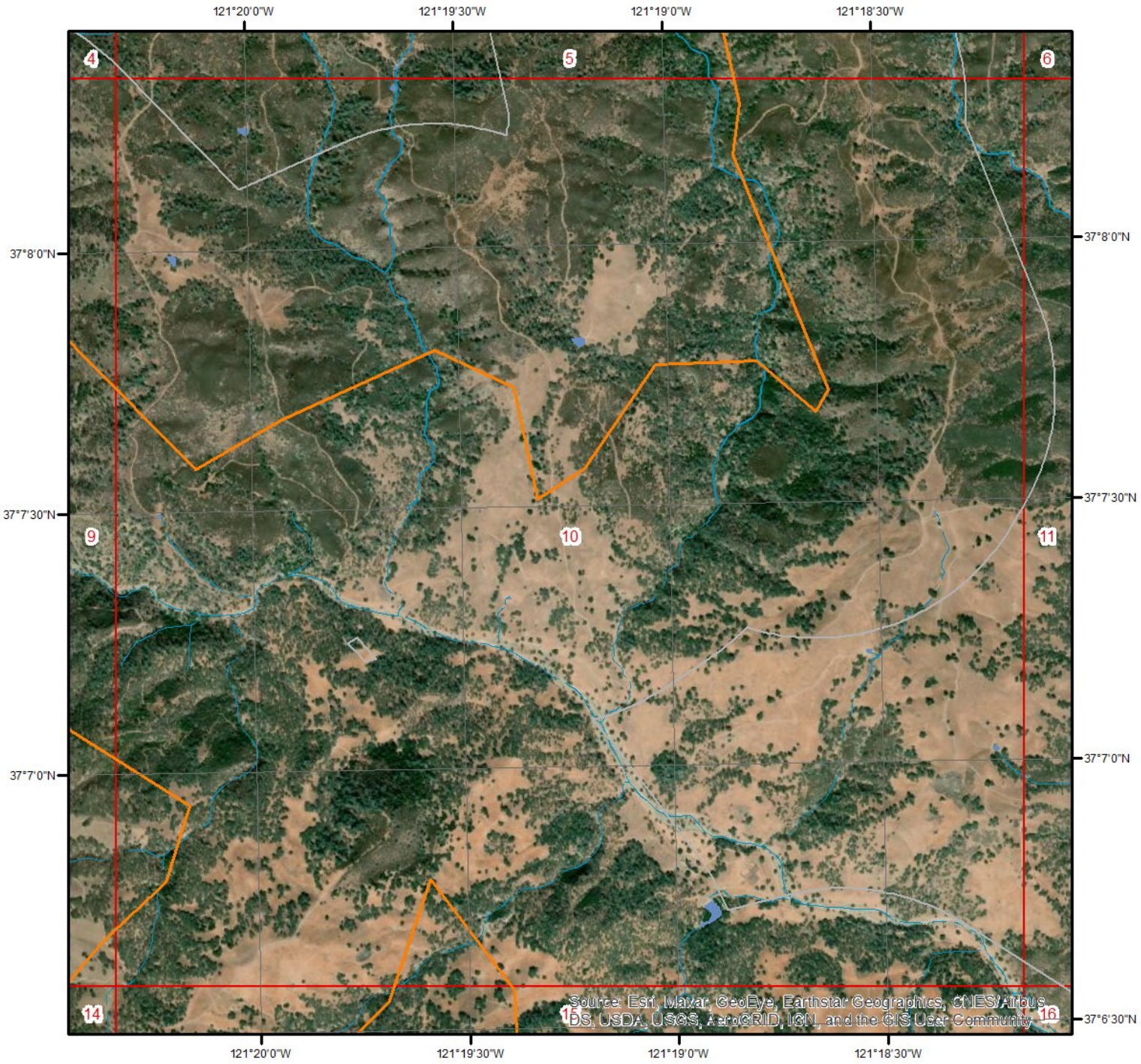
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 10

0 0.125 0.25 0.5 Miles

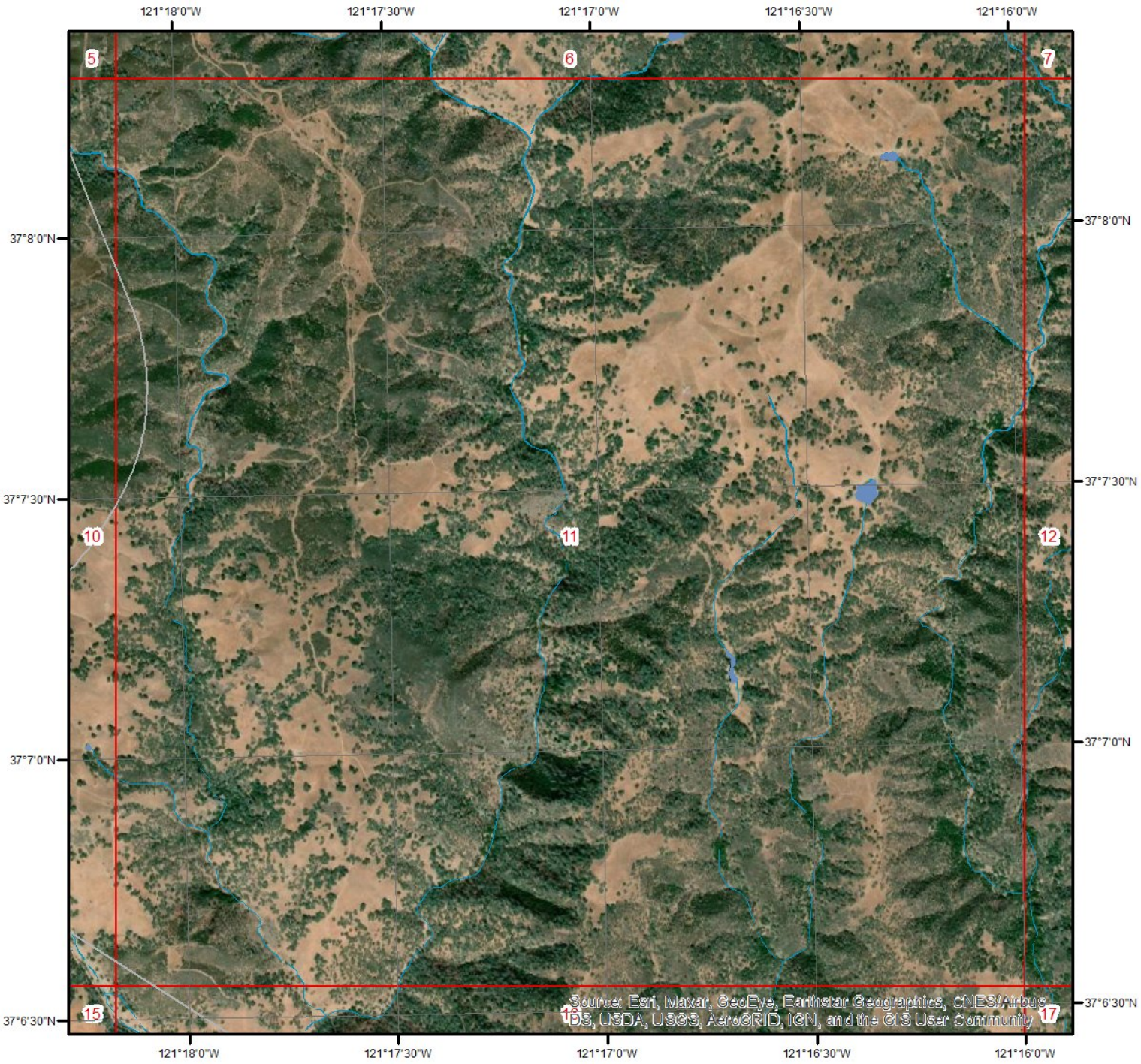
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 11

0 0.125 0.25 0.5 Miles

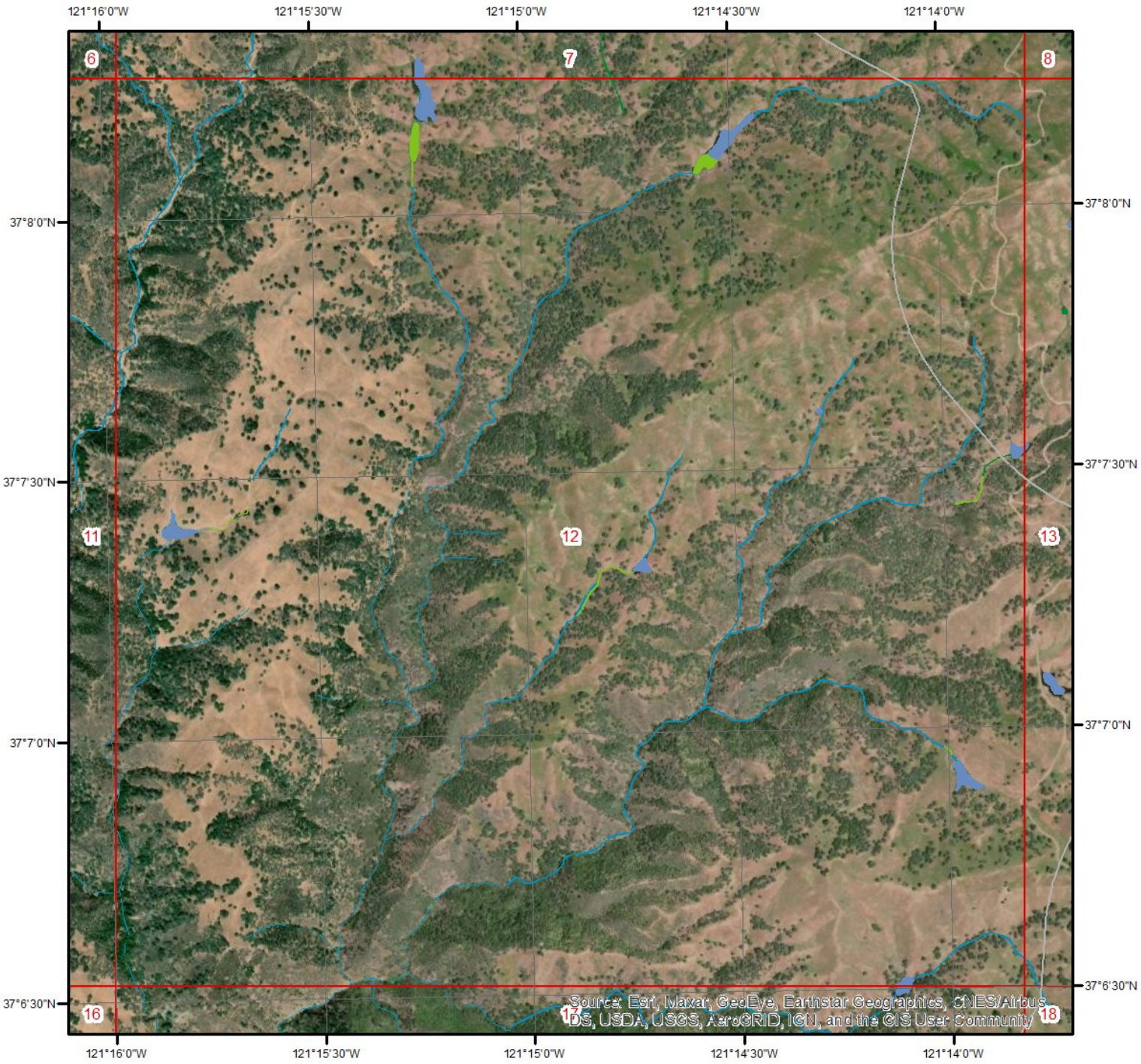
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Hydrologic Information



Wetland Type - Page 12

0 0.125 0.25 0.5 Miles

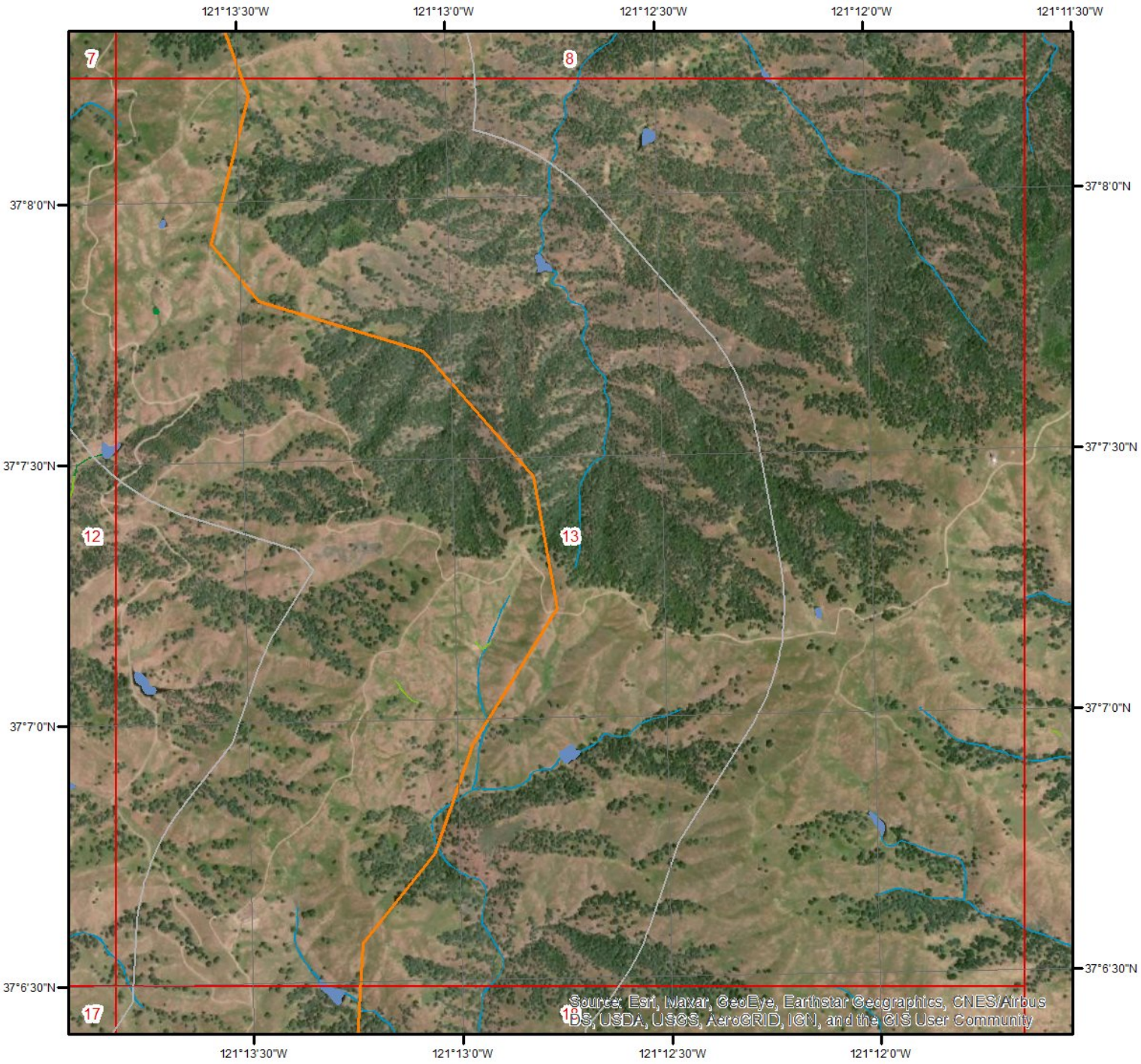
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This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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ENVIRONMENTAL RISK INFORMATION SERVICES

Hydrologic Information



Wetland Type - Page 13

0 0.125 0.25 0.5 Miles

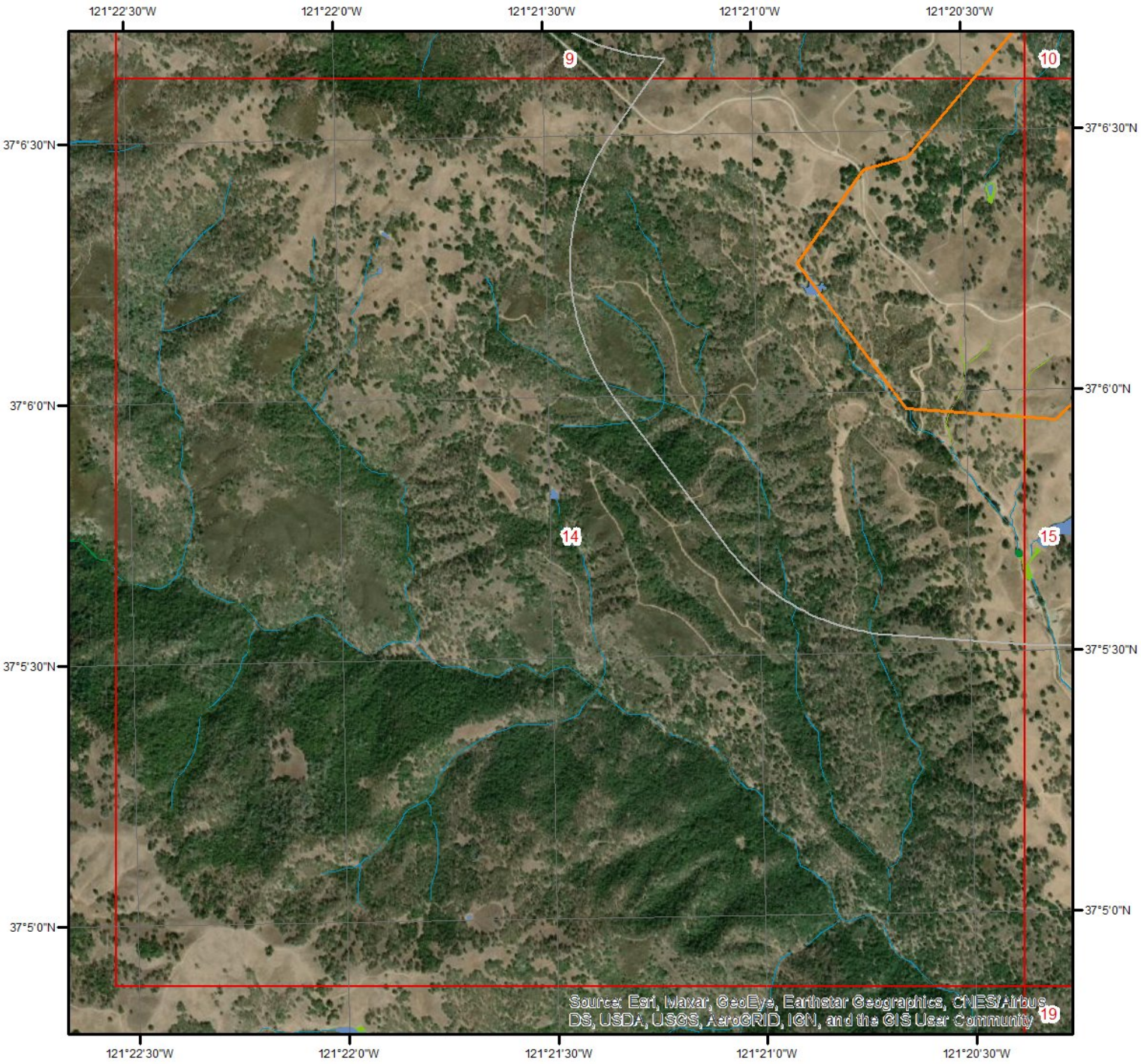
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 14

0 0.125 0.25 0.5 Miles

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 15

Miles
0 0.125 0.25 0.5

N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 16

0 0.125 0.25 0.5 Miles

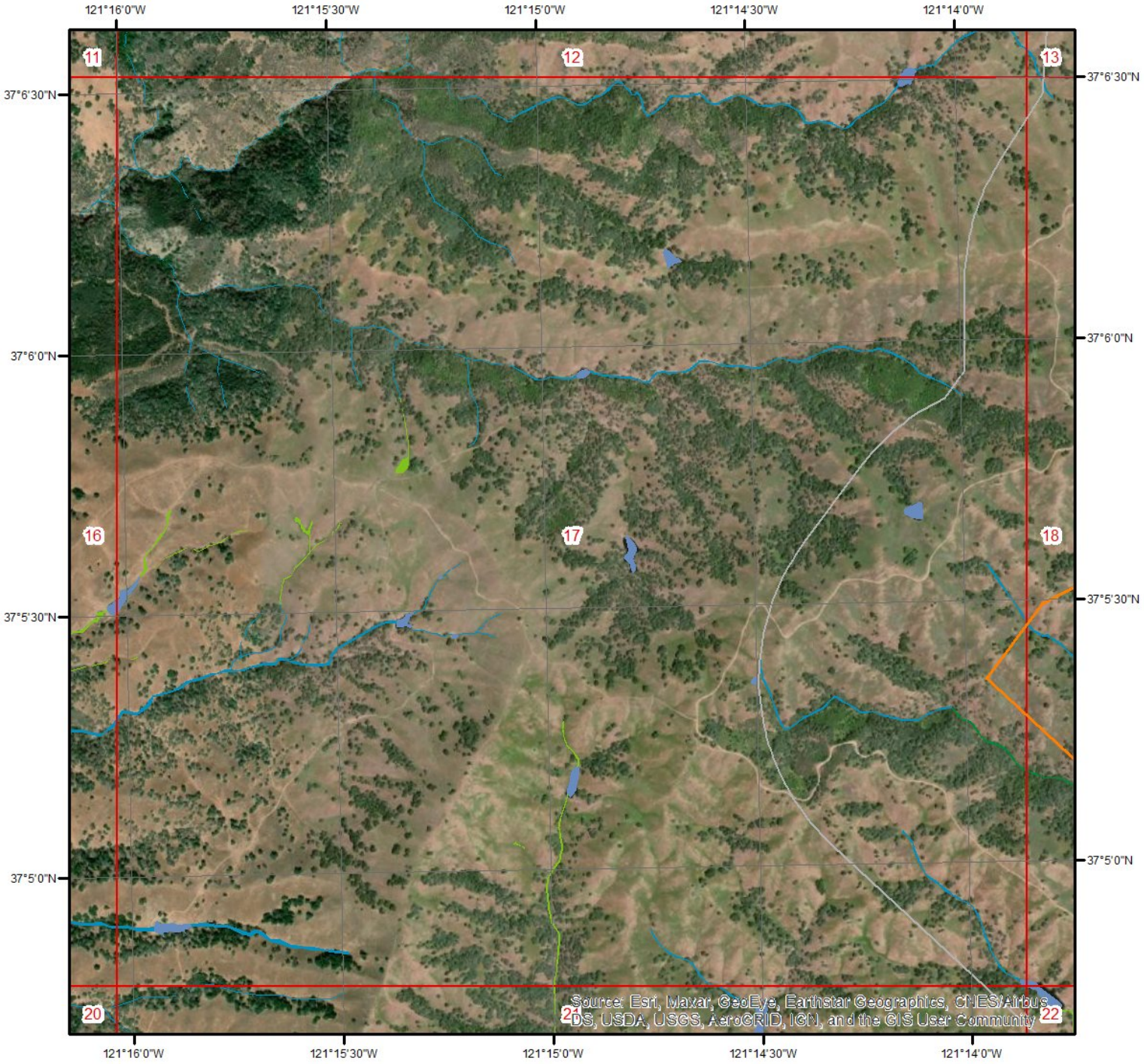
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 17

0 0.125 0.25 0.5 Miles

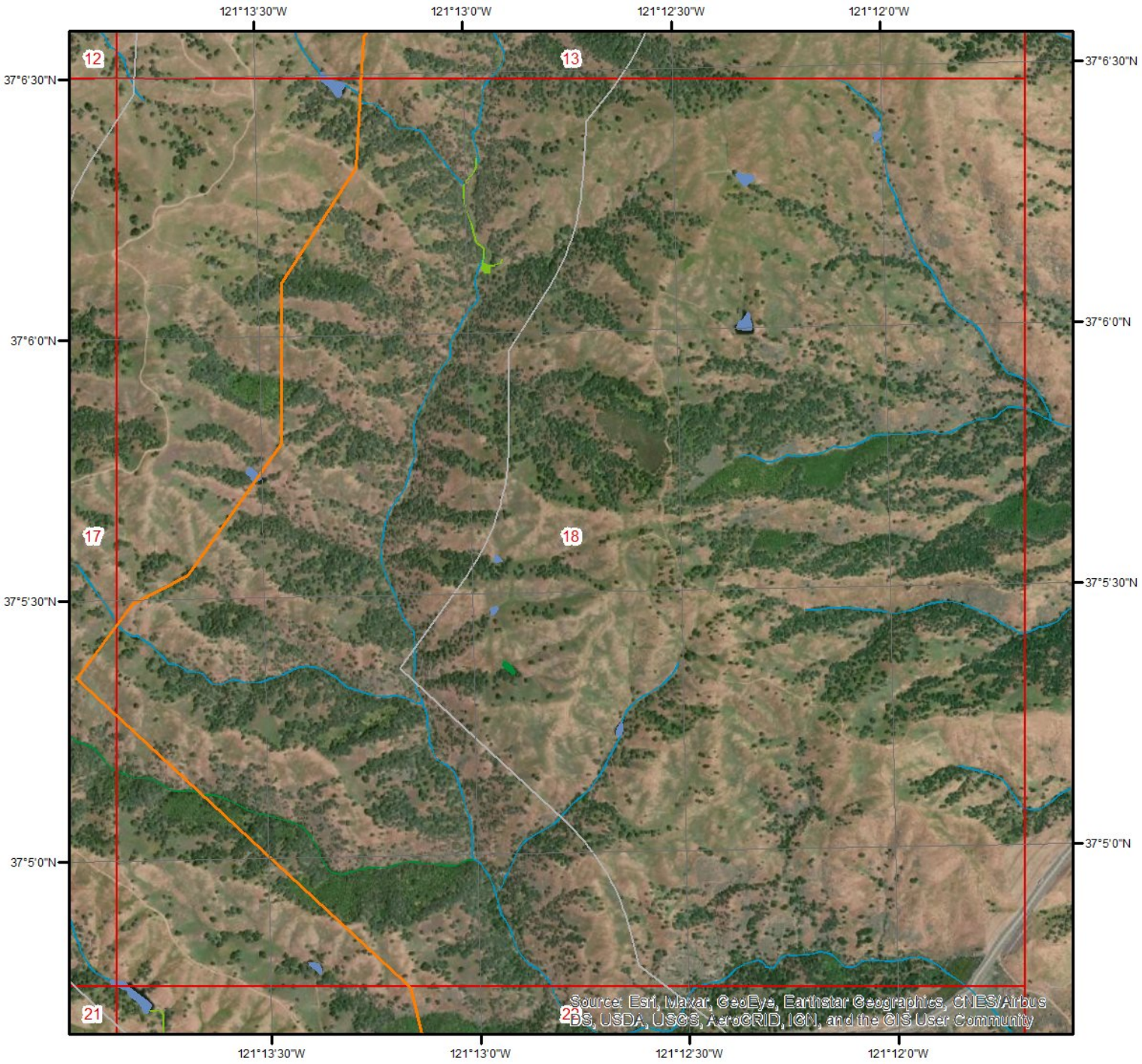
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 18

0 0.125 0.25 0.5 Miles

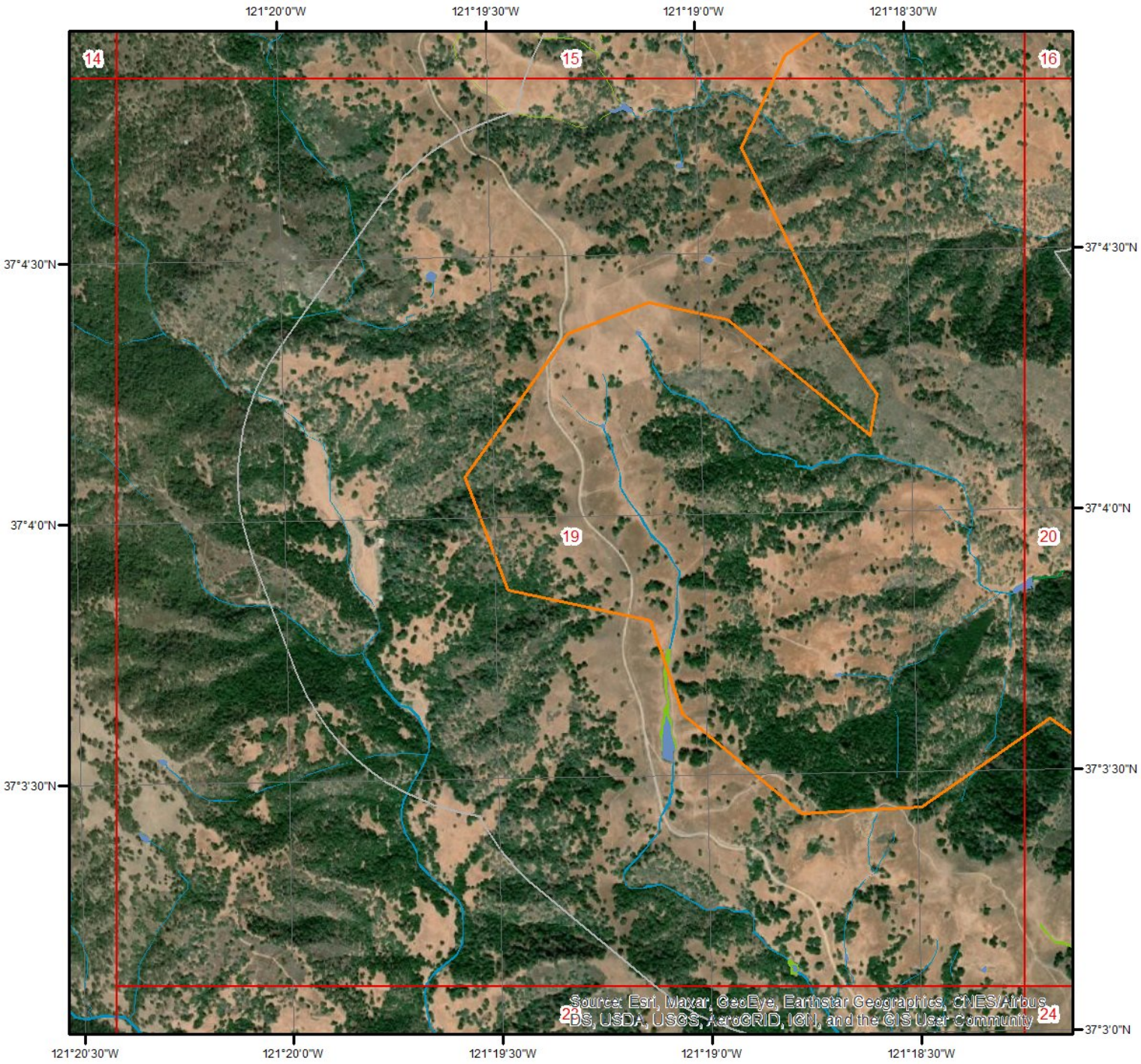
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 19

0 0.125 0.25 0.5 Miles

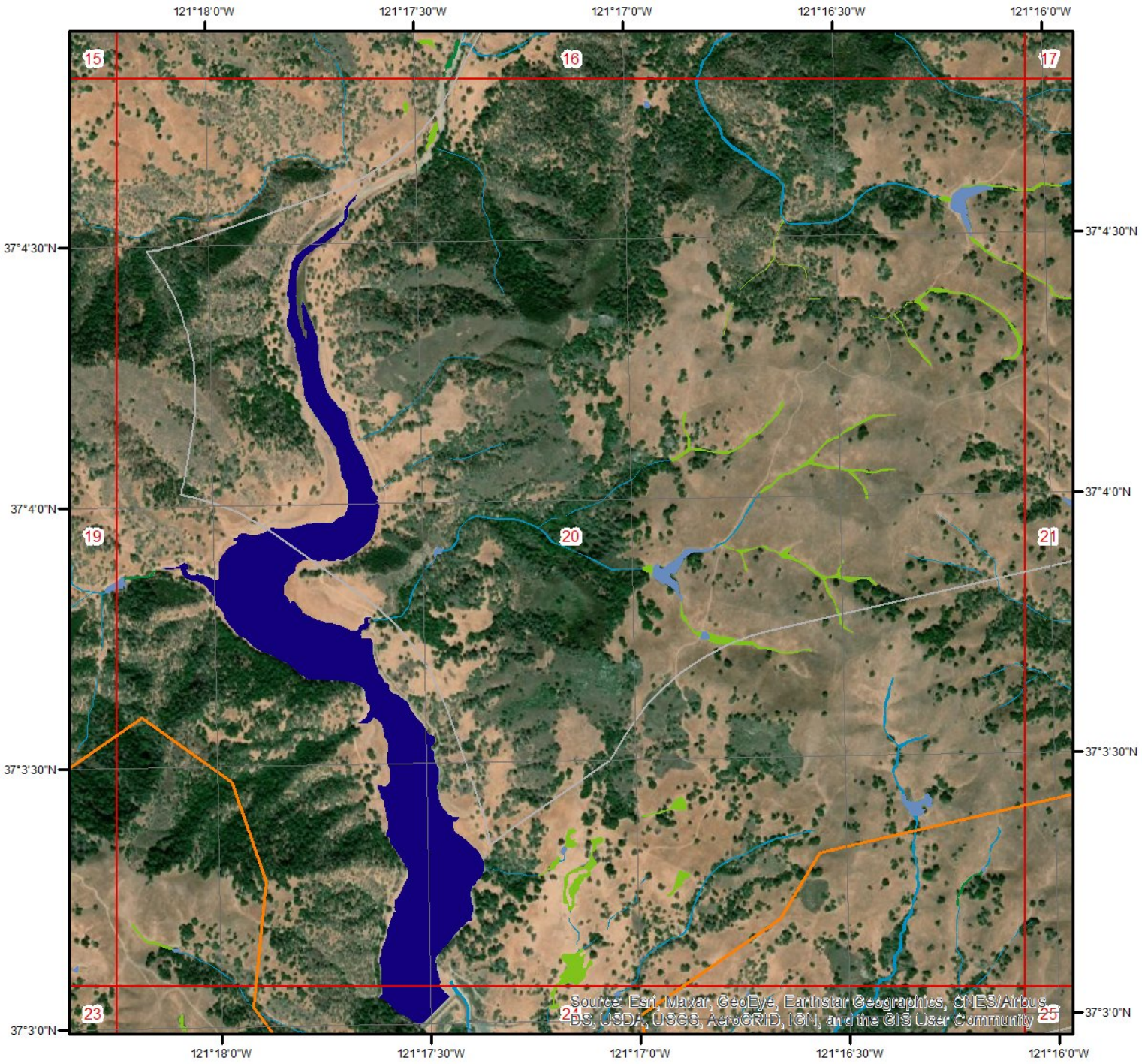
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 20

0 0.125 0.25 0.5 Miles

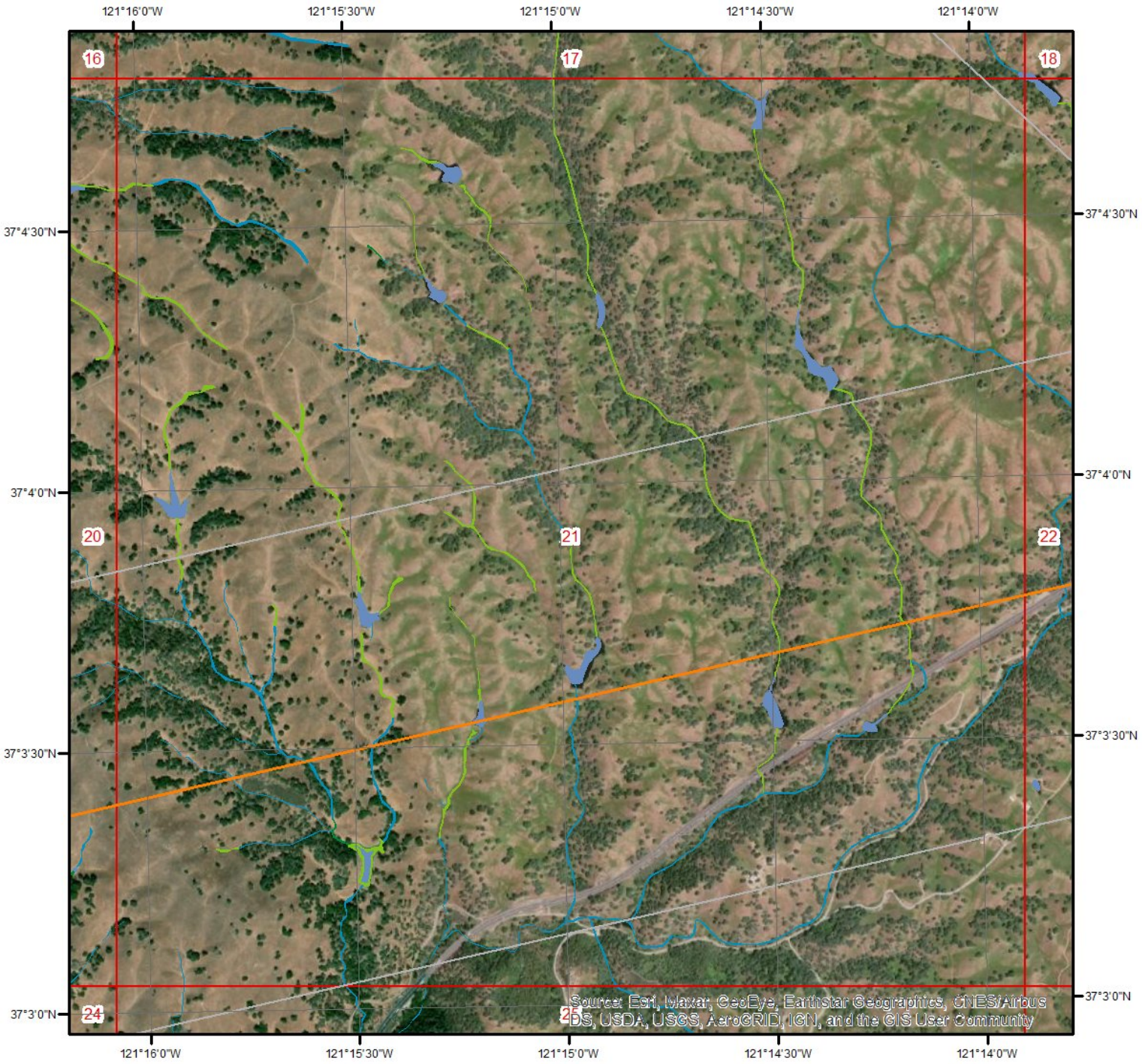
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 21

0 0.125 0.25 0.5 Miles

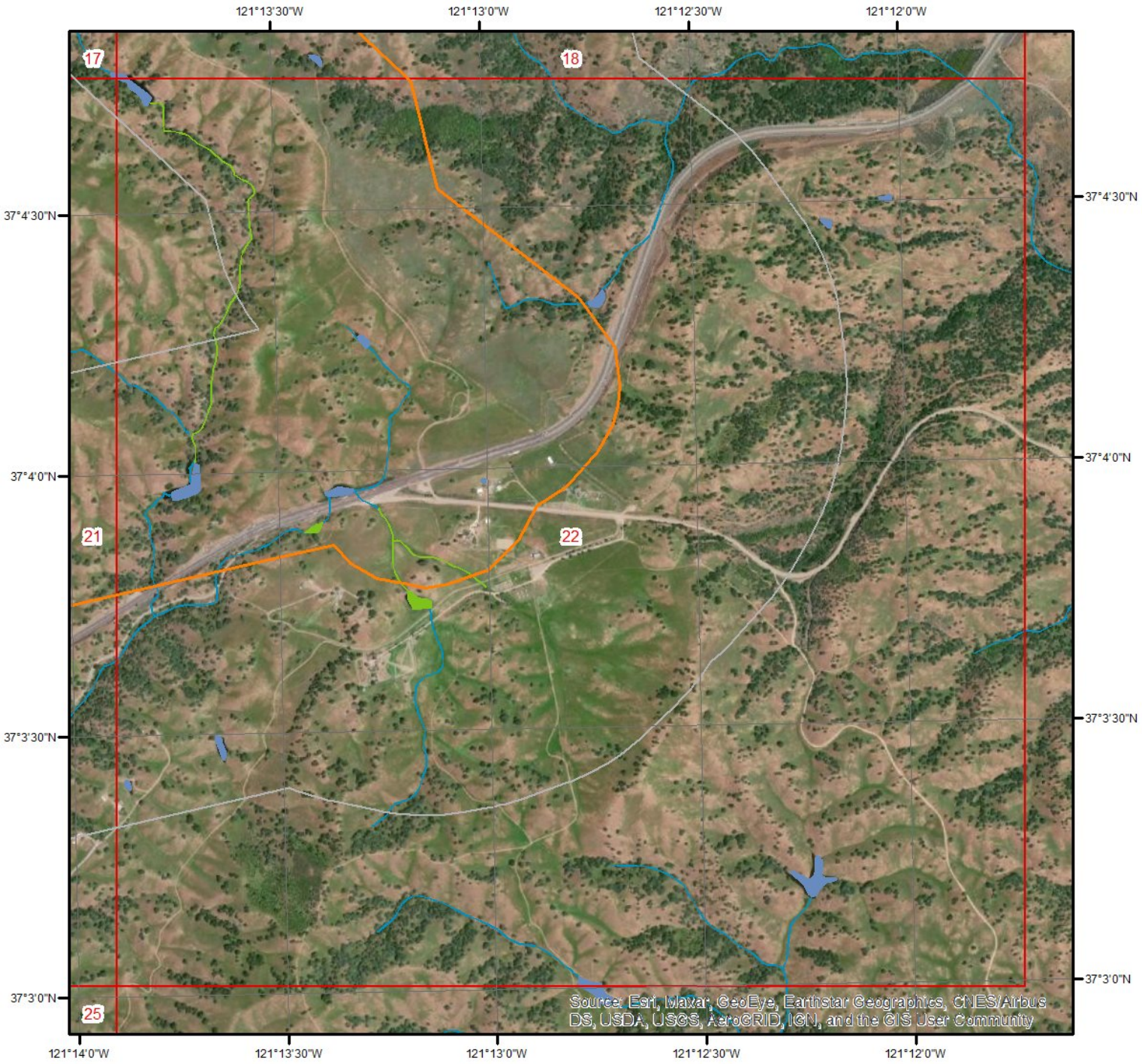
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 22

0 0.125 0.25 0.5 Miles

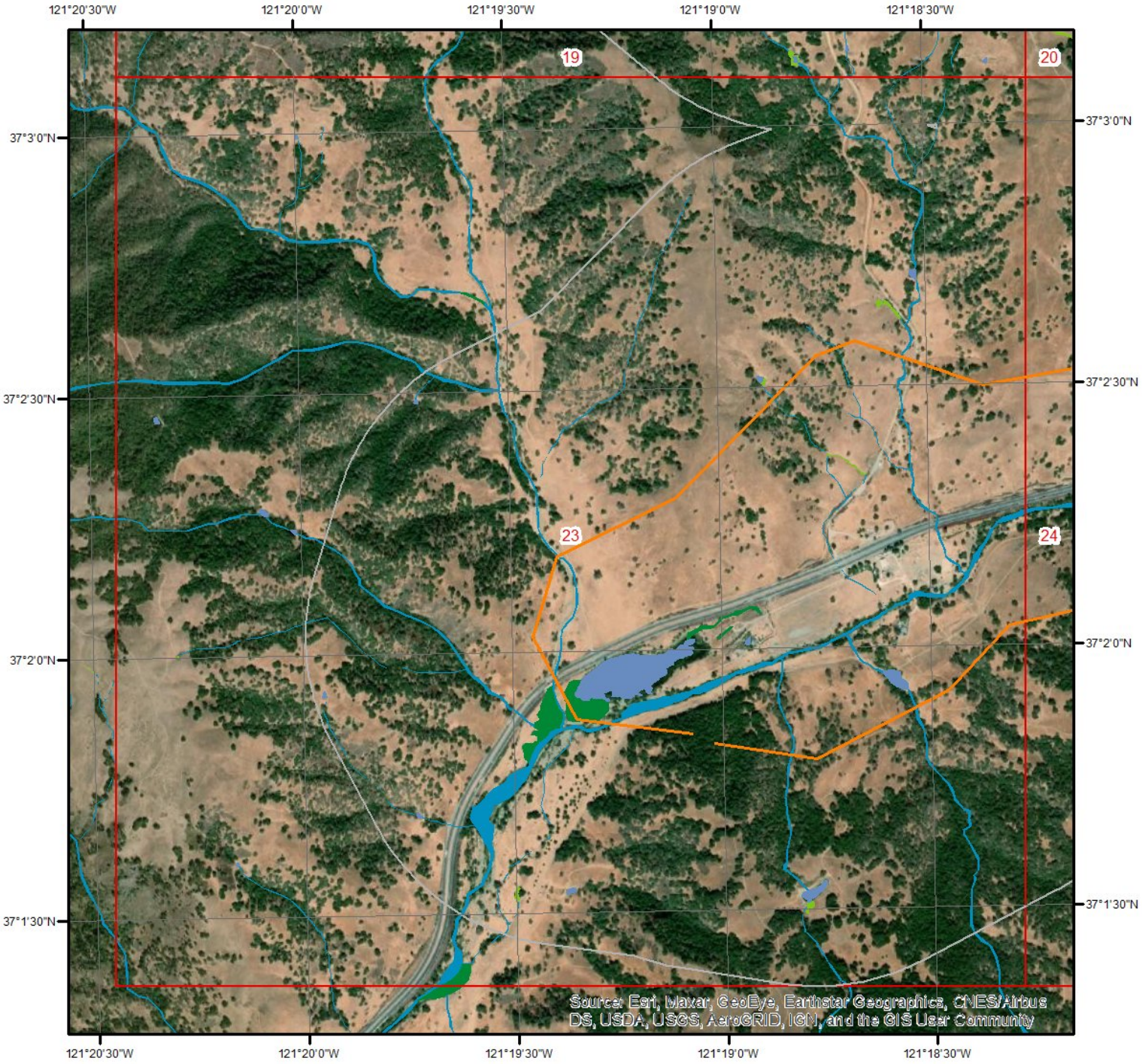
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 23

0 0.125 0.25 0.5 Miles

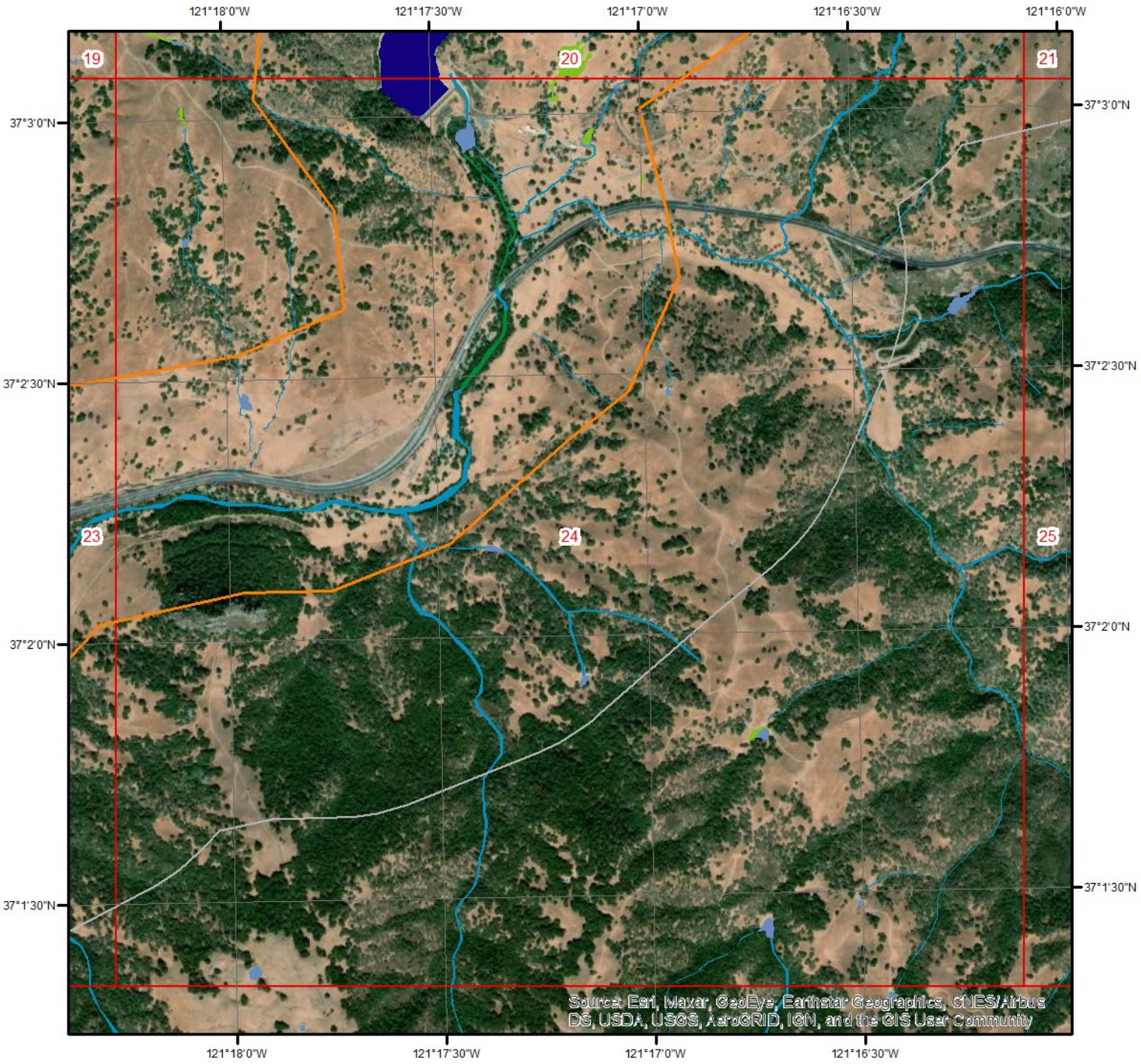
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 24

0 0.125 0.25 0.5 Miles

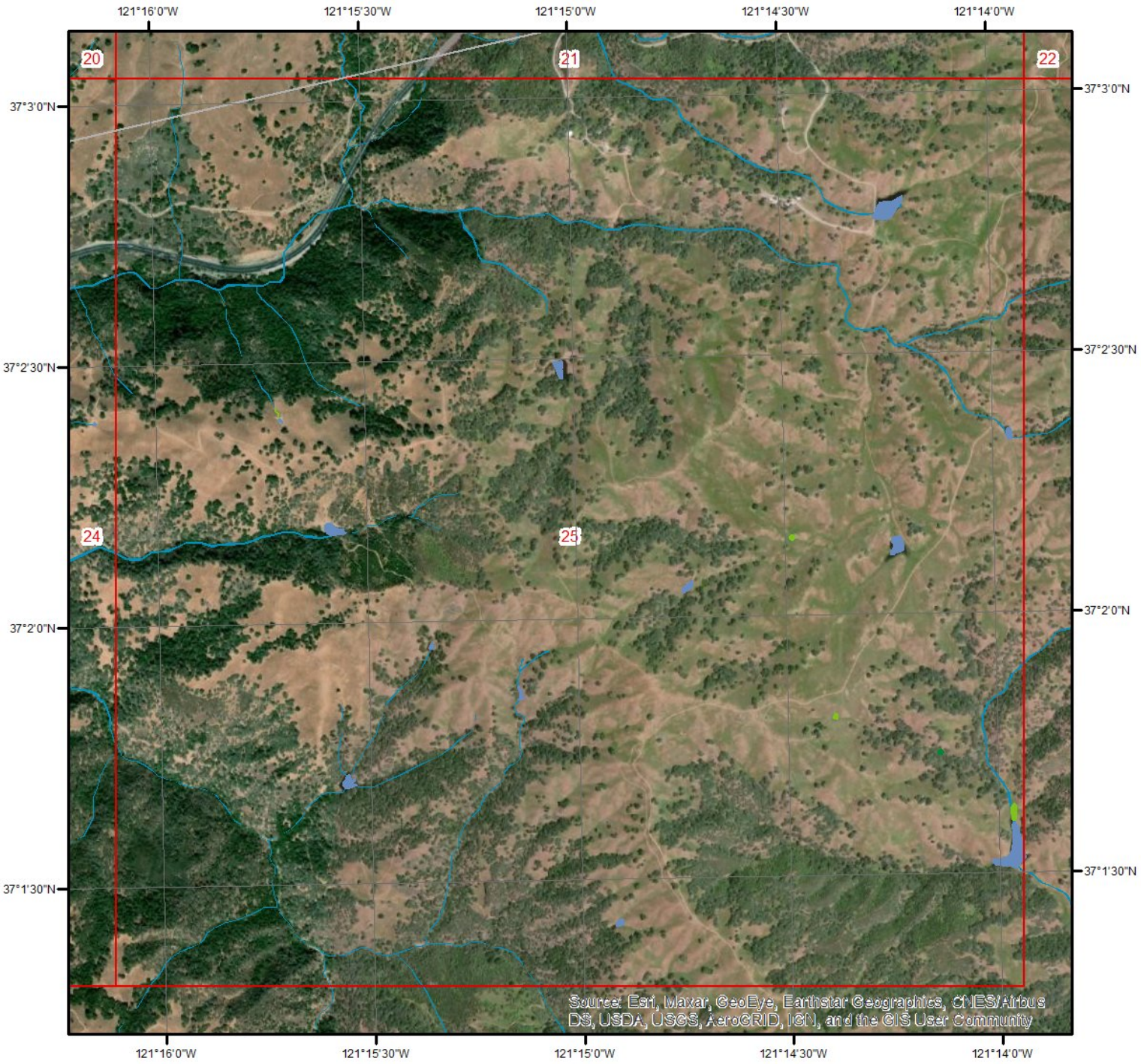
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Wetland Type - Page 25

0 0.125 0.25 0.5 Miles

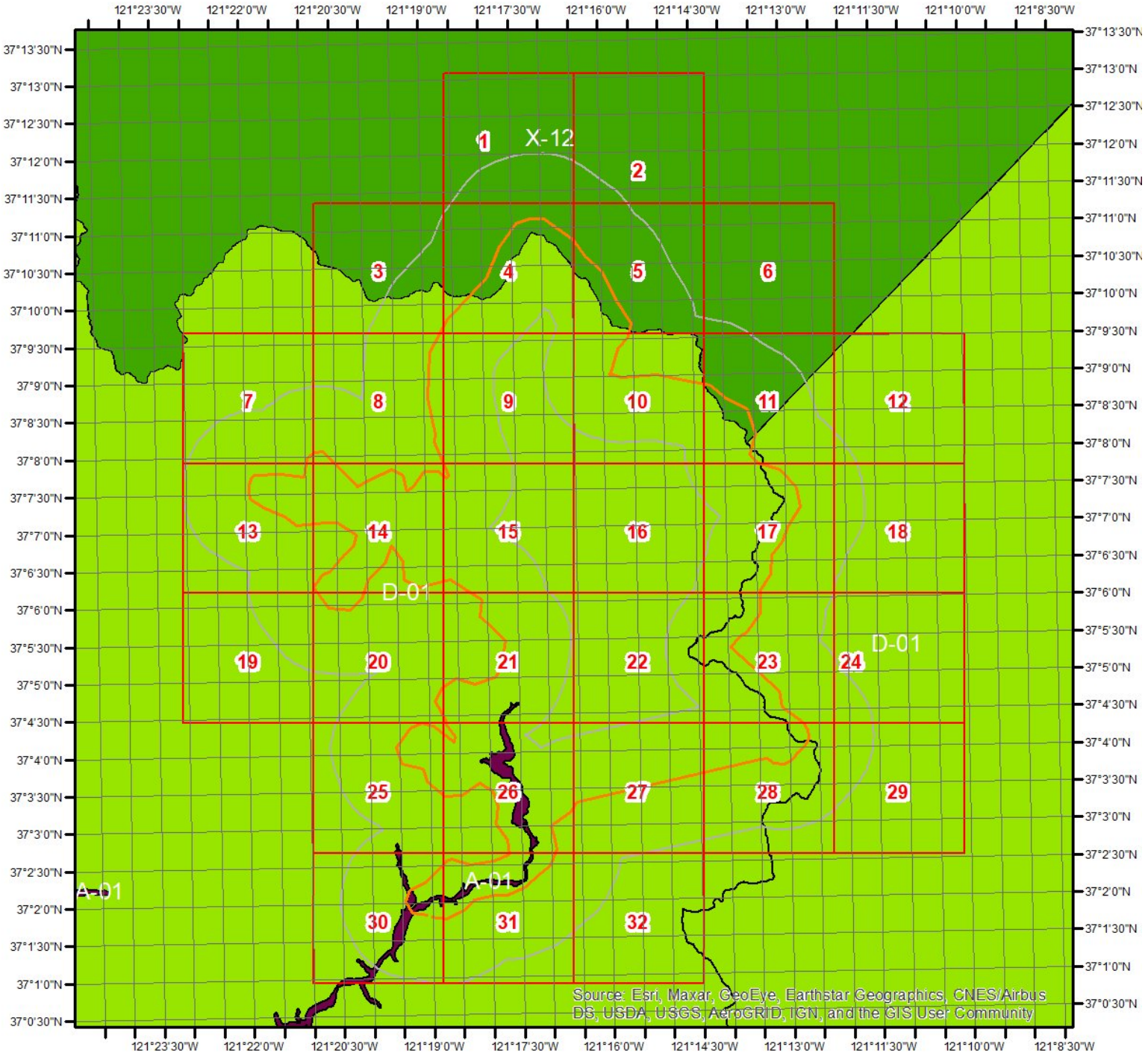
N

This map shows wetland existence using data from US Fish & Wildlife.
Data coverage is shown to the right. Gray indicates no data available in the area.

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

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Hydrologic Information



Flood Hazard Zones

Miles
0 0.40.8 1.6 2.4

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

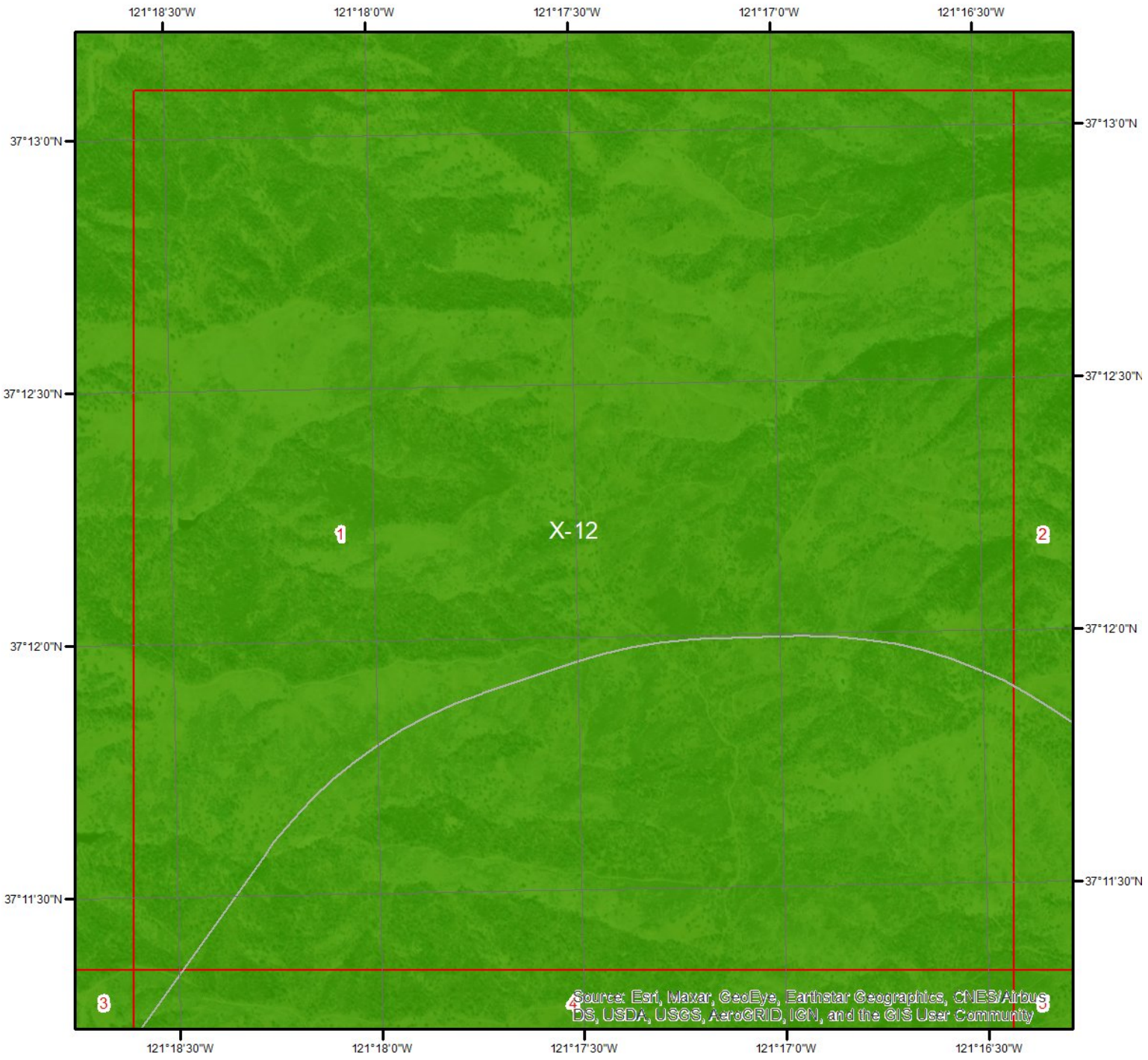
A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

N

06099C1025E
06085C0525H
06085C0700H
06085C0670H

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Hydrologic Information



Flood Hazard Zones - Page 1

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

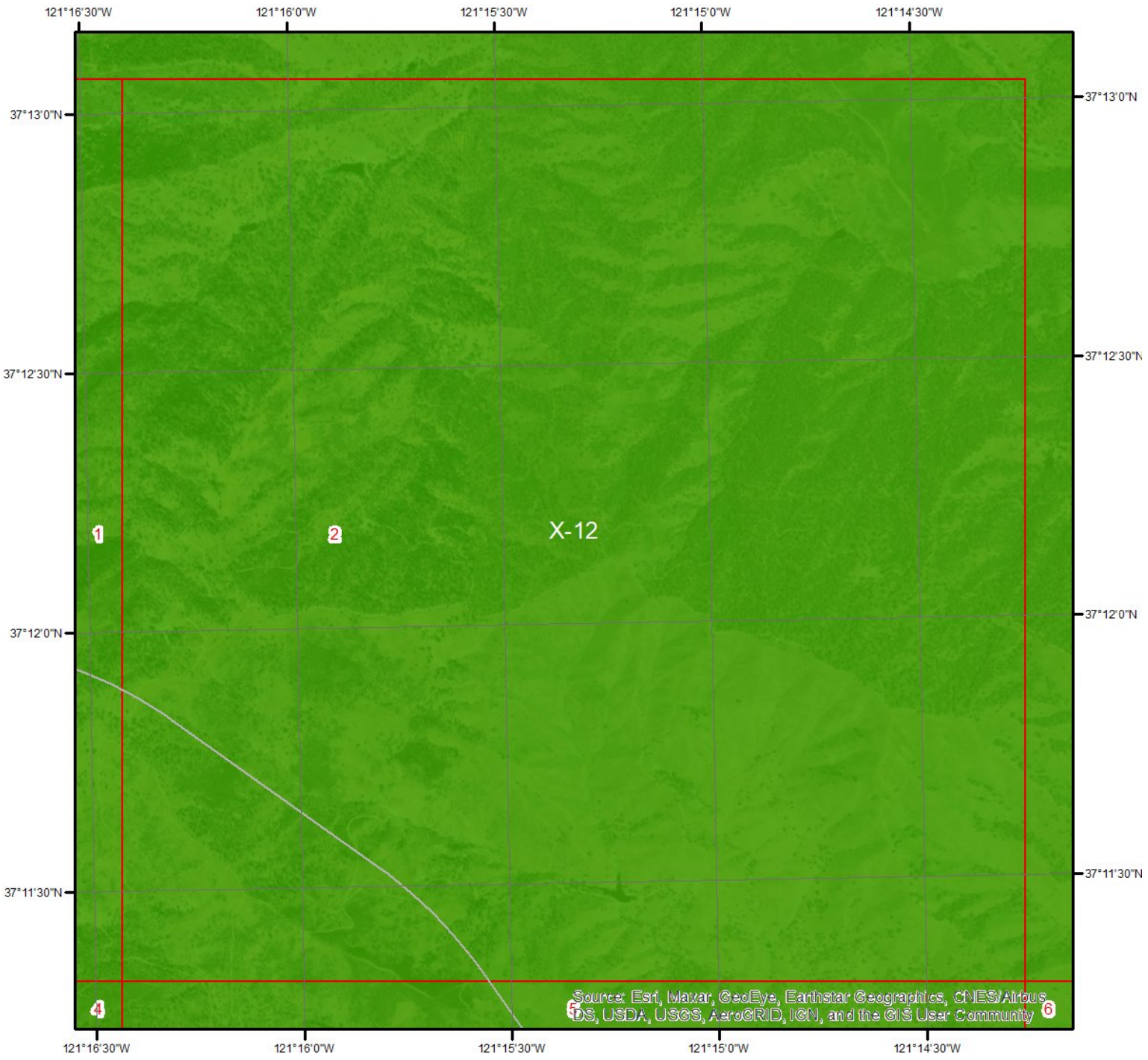
N

06099C1025E
06085C0525H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 2

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

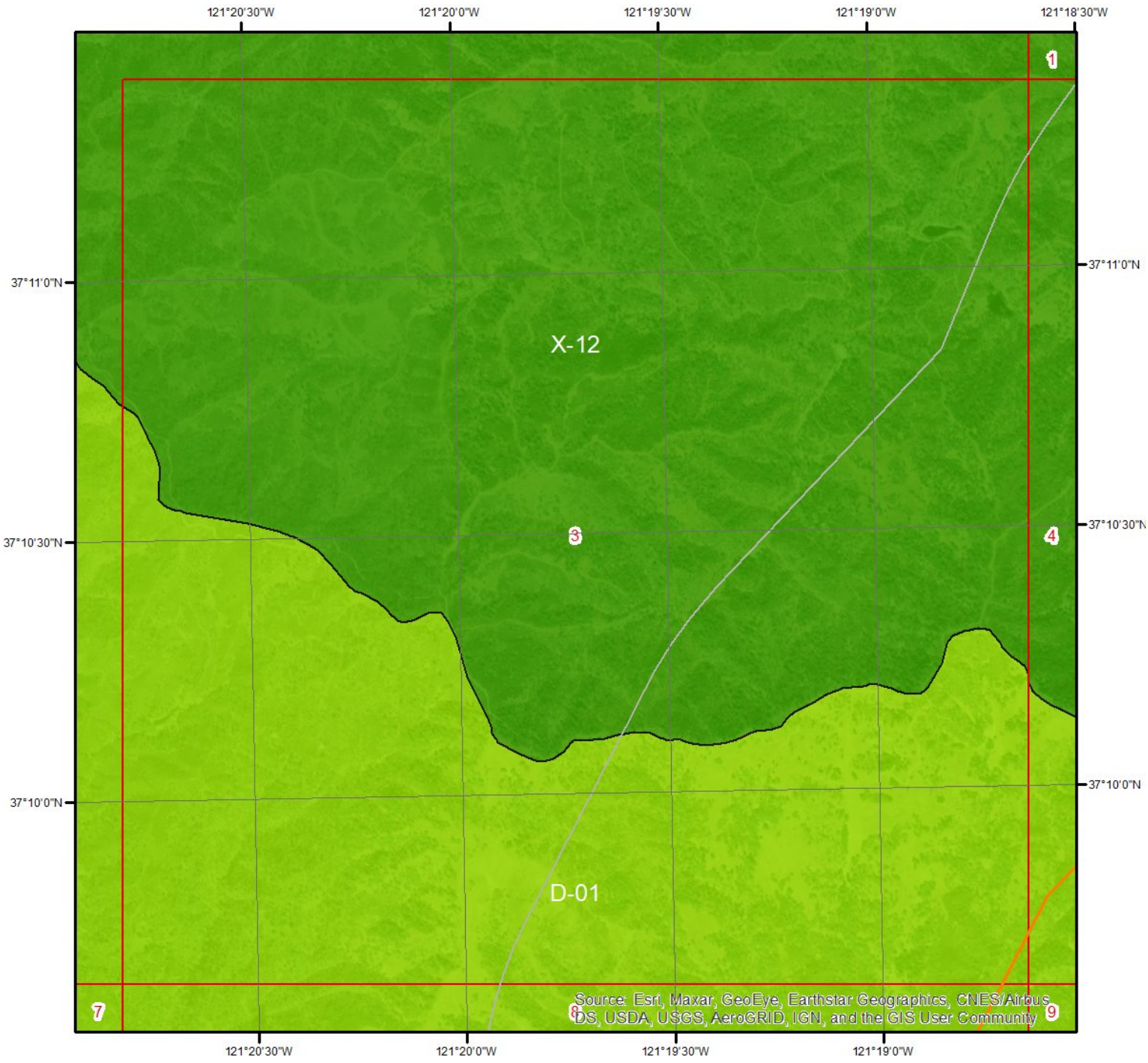
N

06085C0525H
06099C1025E
06099C1050E

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 3

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

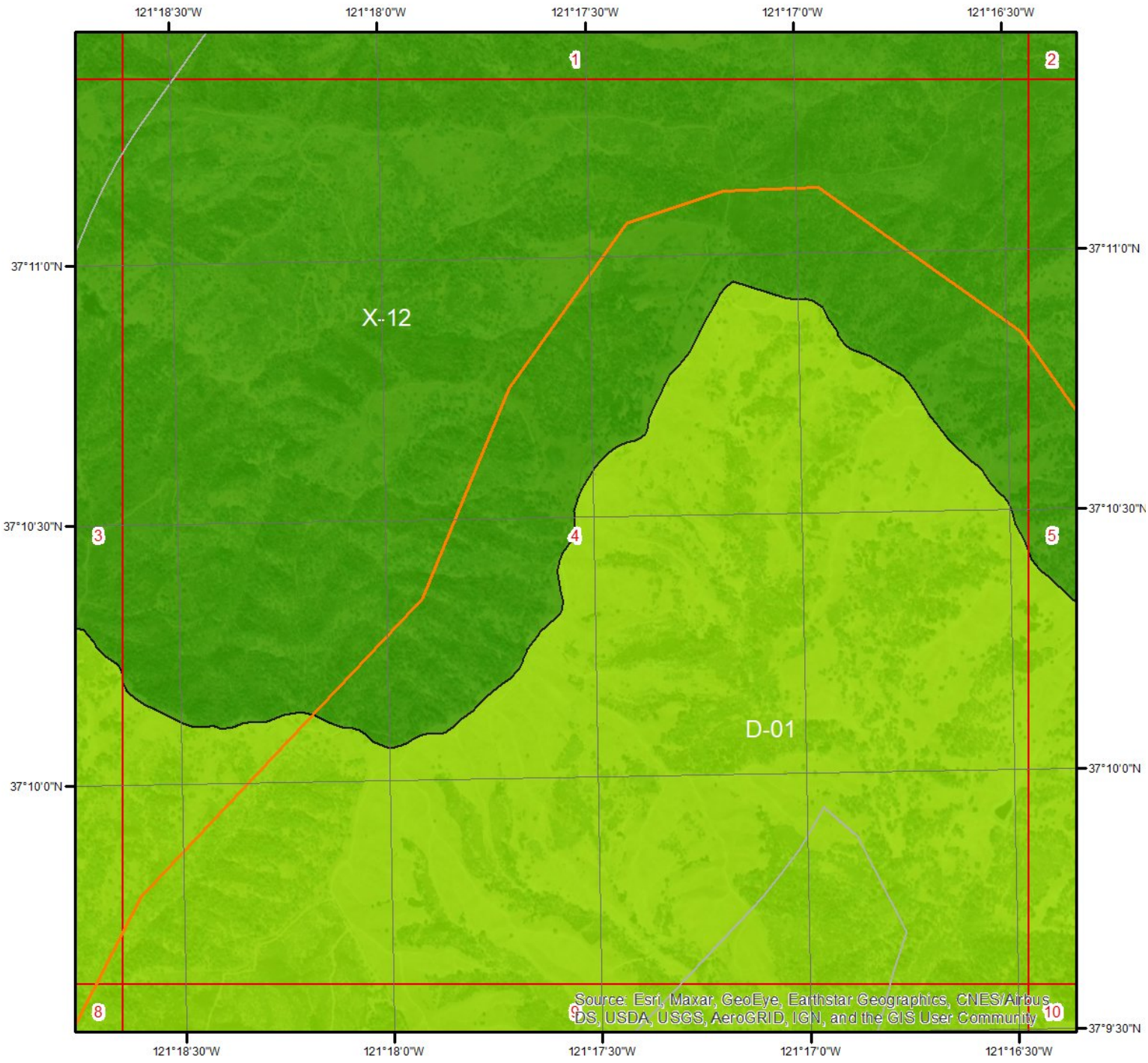
N

06099C1025E
06085C0525H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 4

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

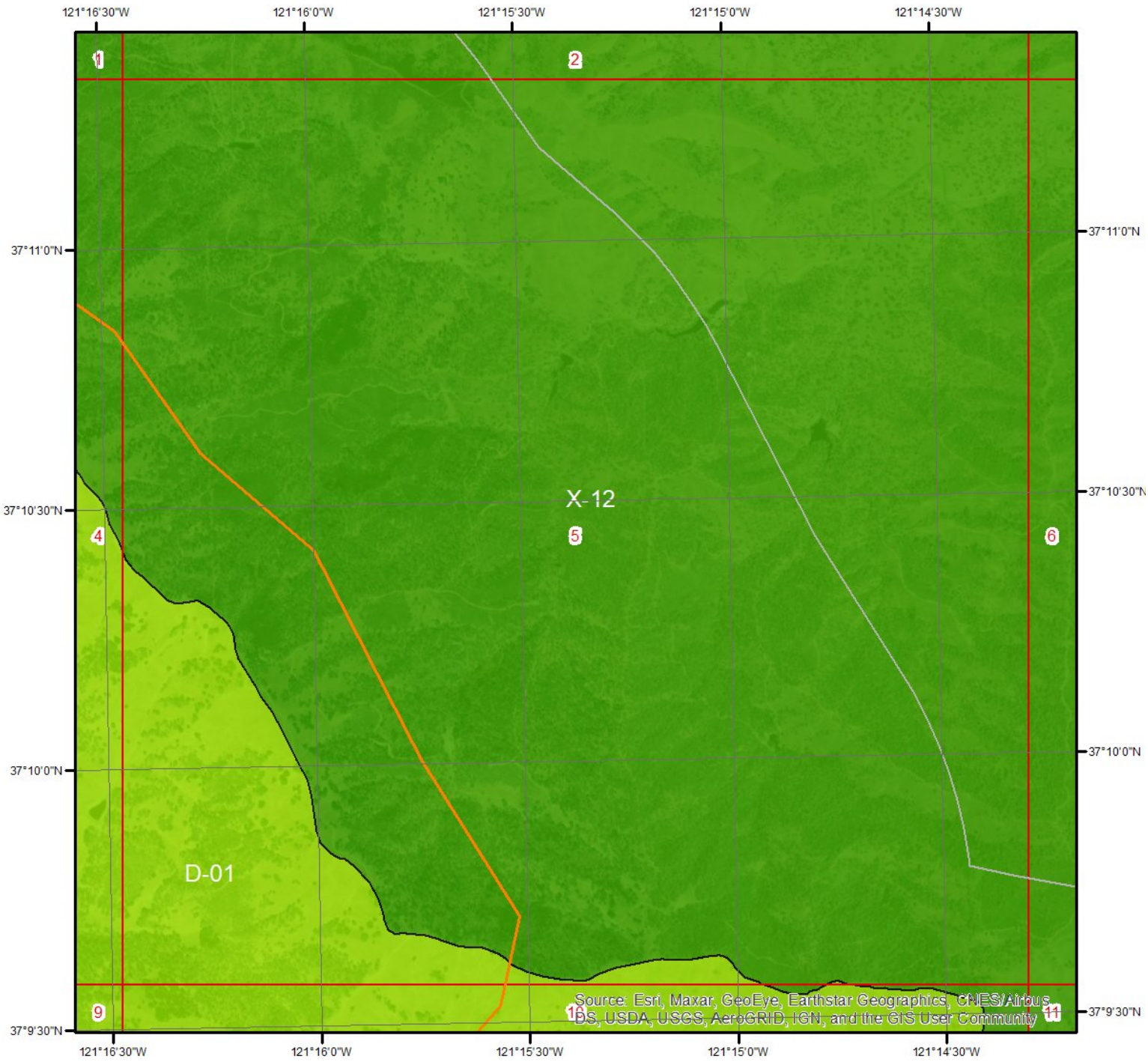
0 0.2 0.4 Miles

N

06099C1025E
06085C0525H

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Flood Hazard Zones - Page 5

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

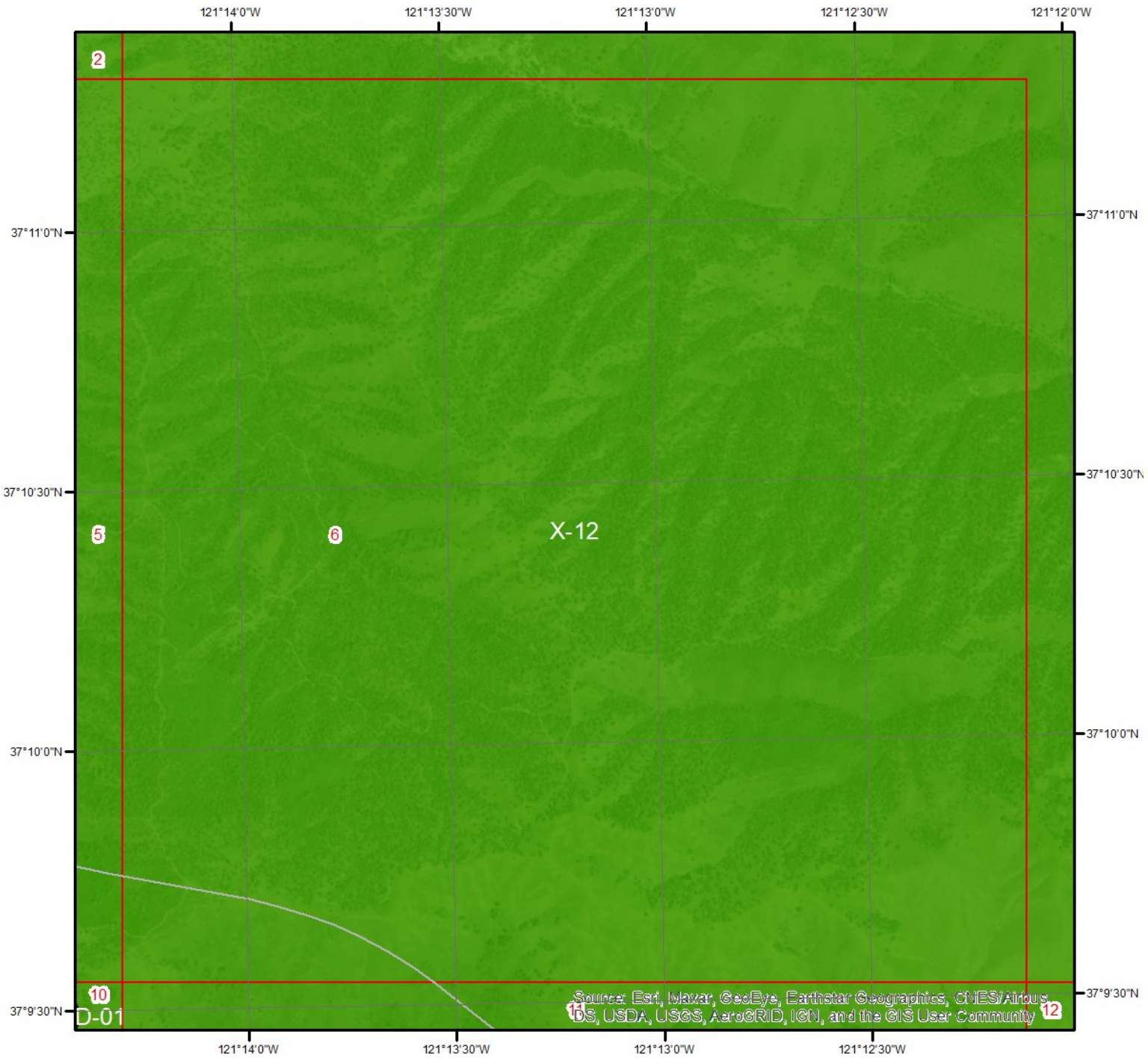
0 0.2 0.4 Miles

N

06099C1025E
06085C0525H
06099C1050E

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Flood Hazard Zones - Page 6

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

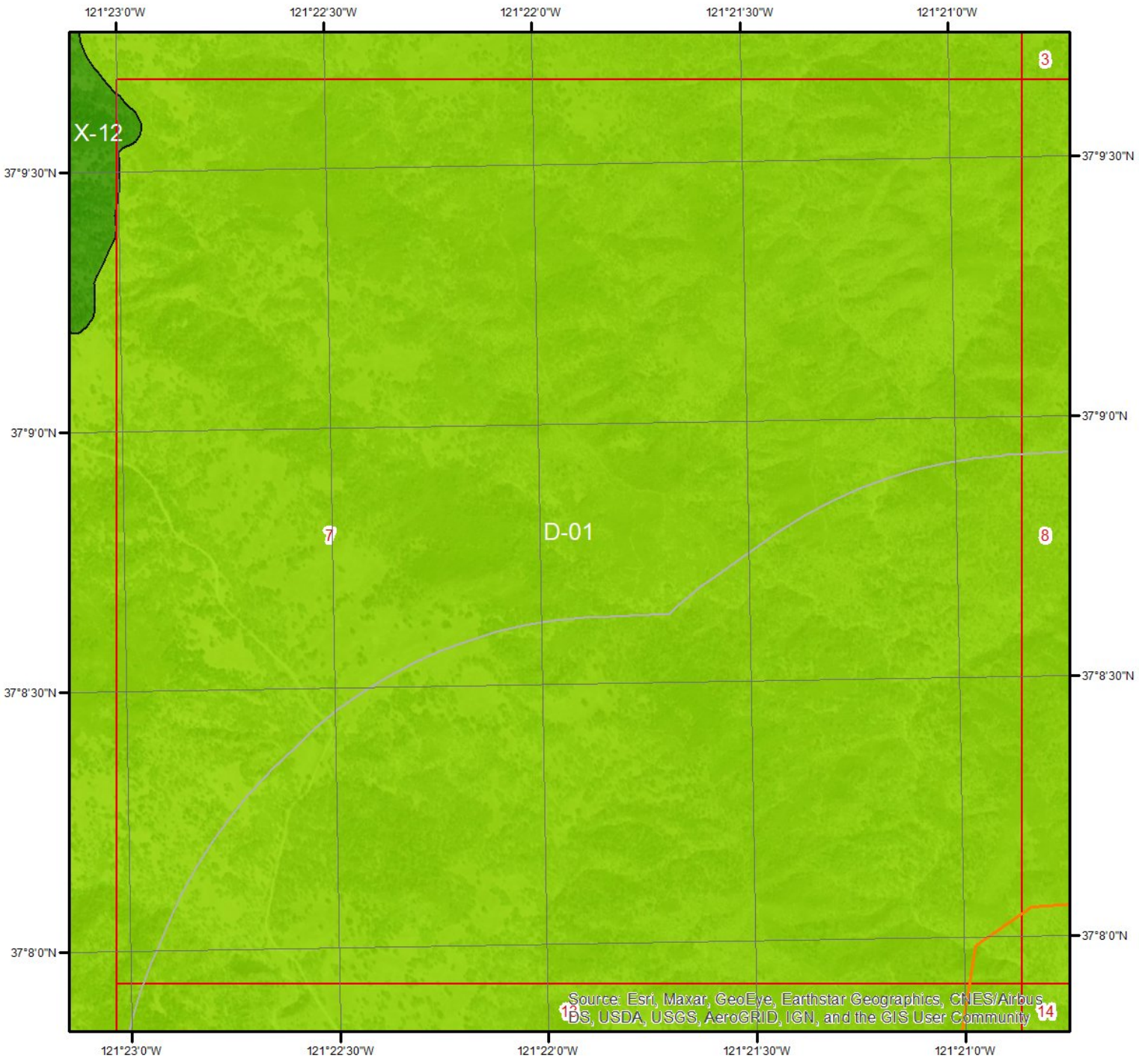
N

06047C0525G
06099C1050E
06085C0550H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 7

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

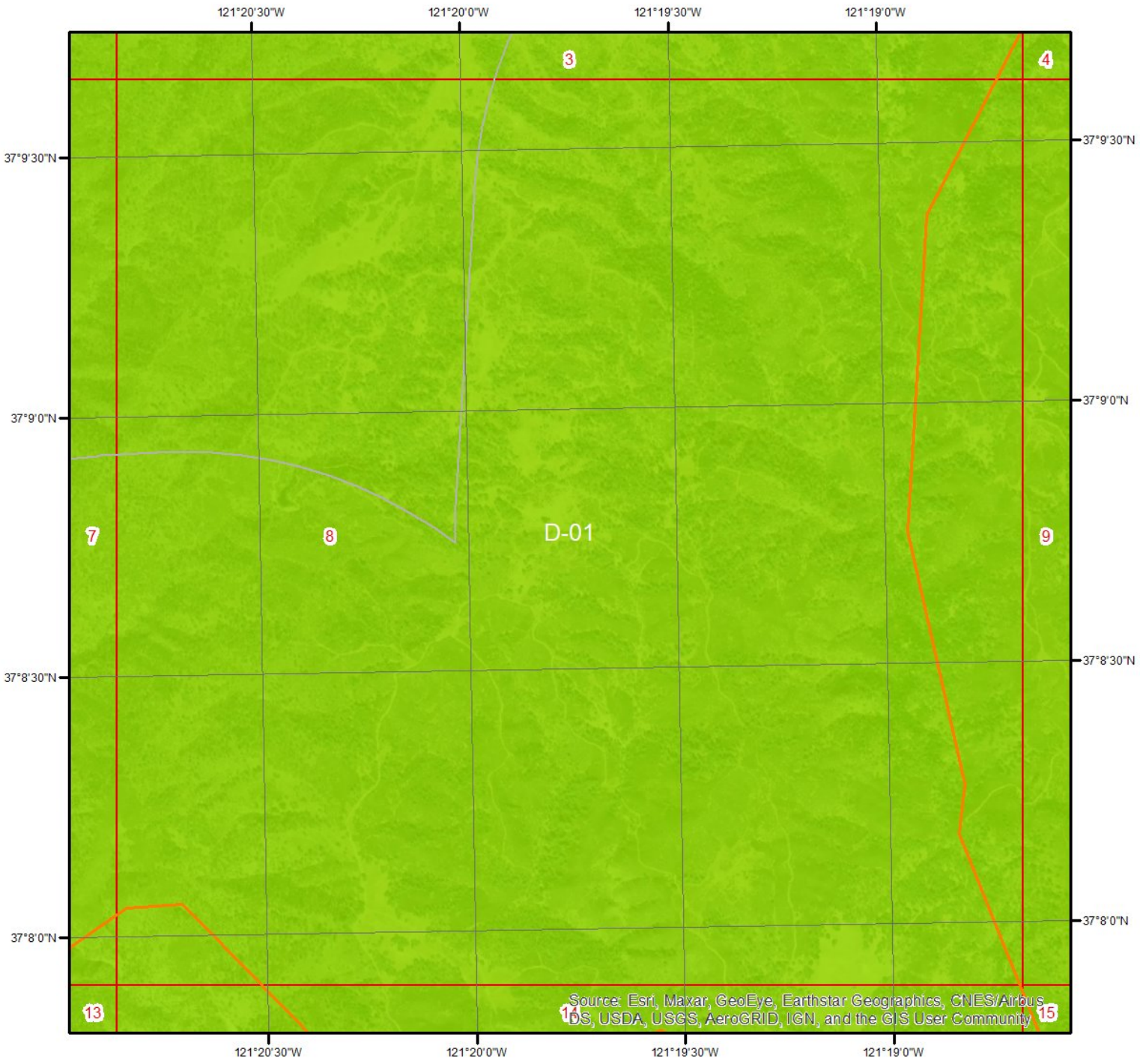
N

06099C1000E
06099C1025E
06085C0525H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 8

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

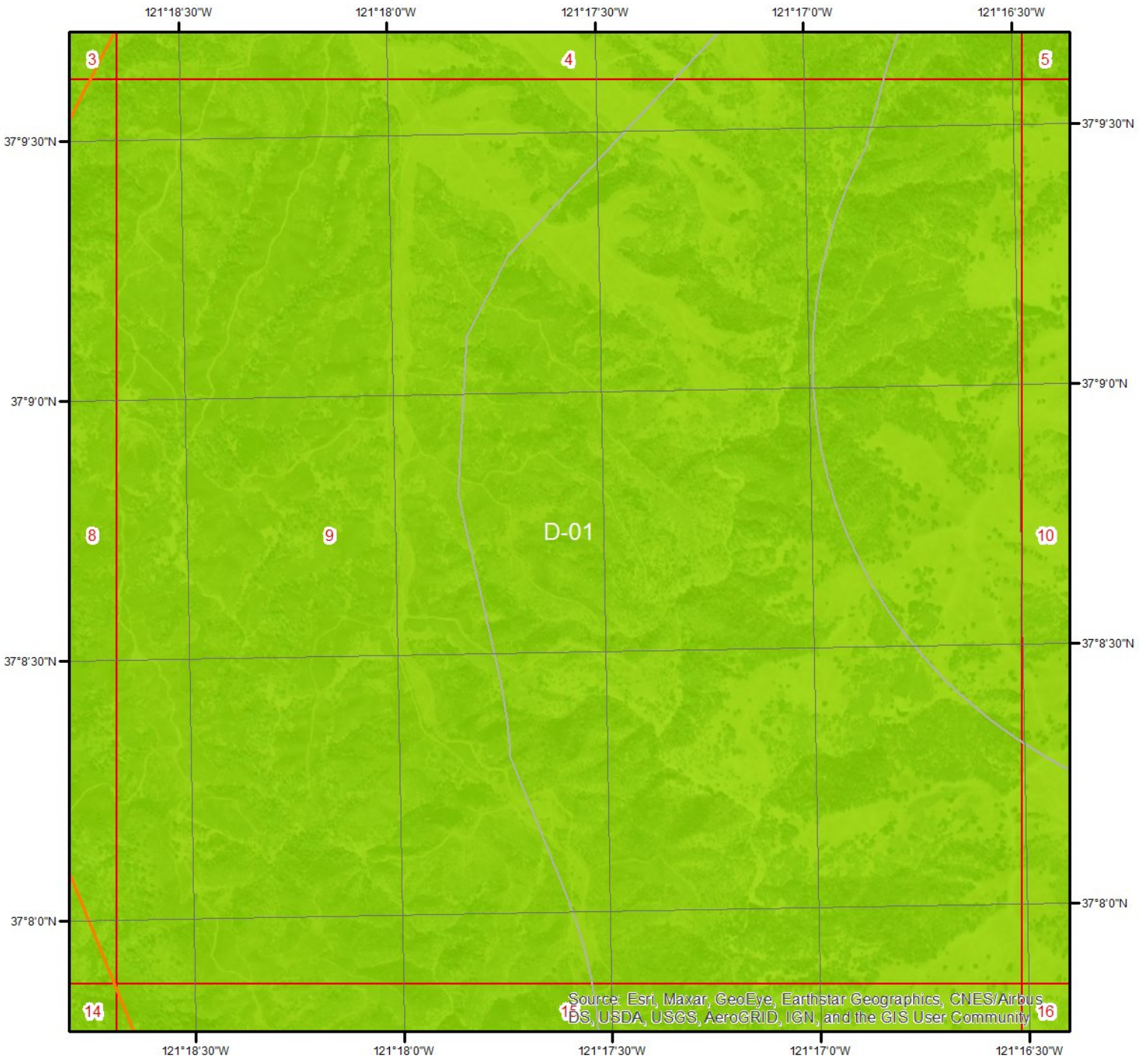
0 0.2 0.4 Miles

N

06099C1025E
06085C0525H

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Flood Hazard Zones - Page 9

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

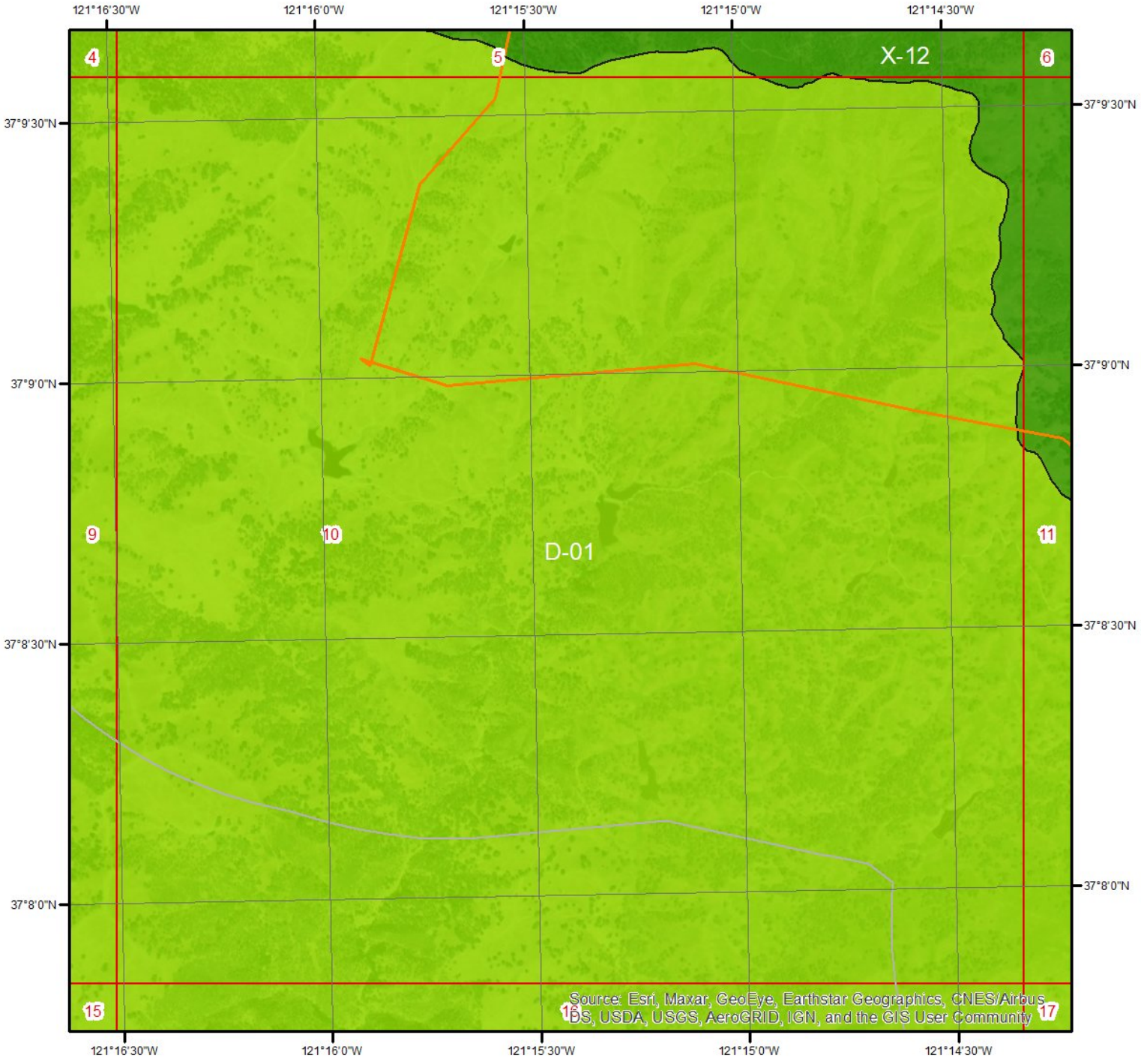
N

06099C1025E
06085C0525H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 10

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

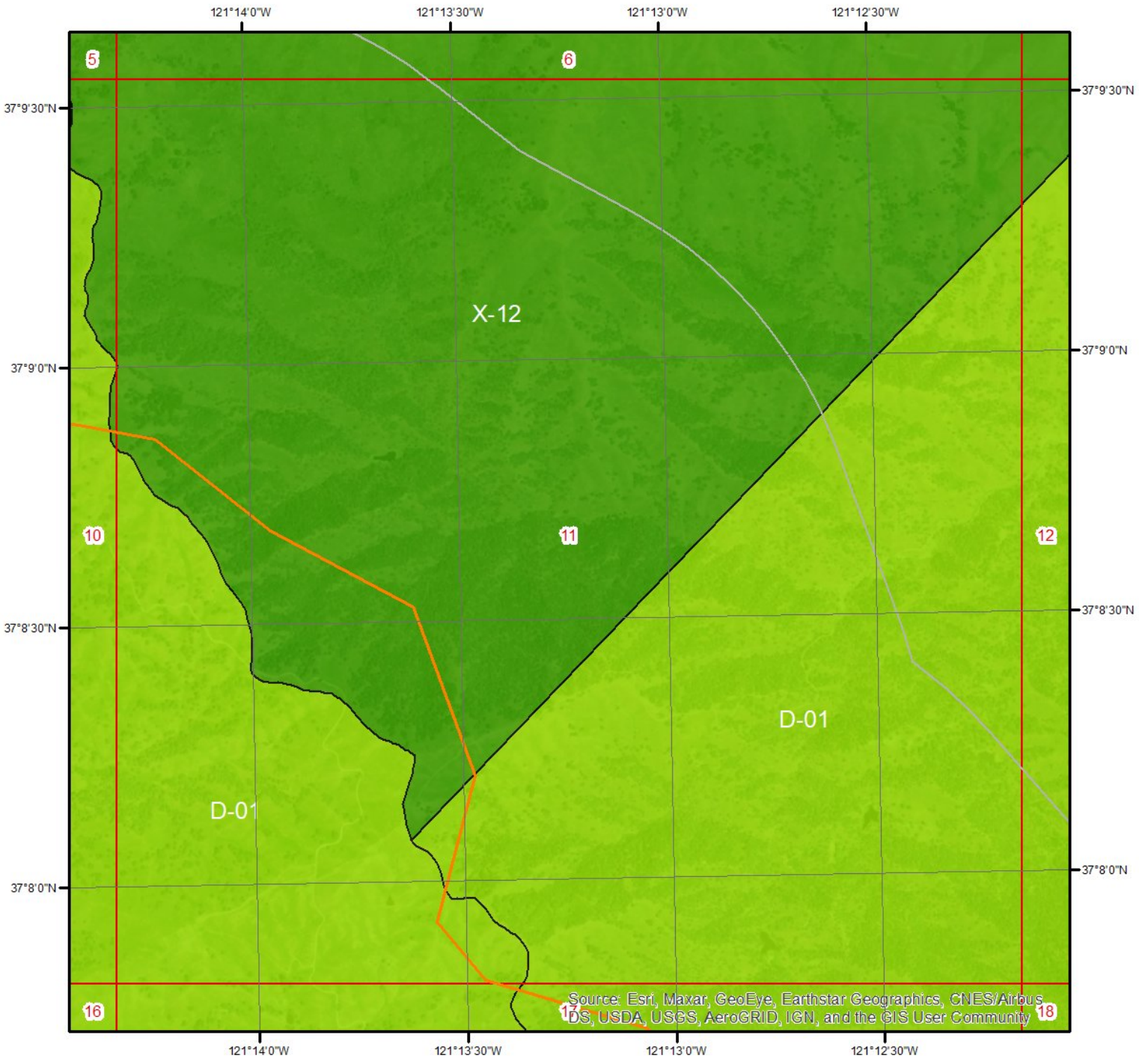
Miles
0 0.2 0.4

N

06099C1025E
06085C0525H
06099C1050E

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Flood Hazard Zones - Page 11

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

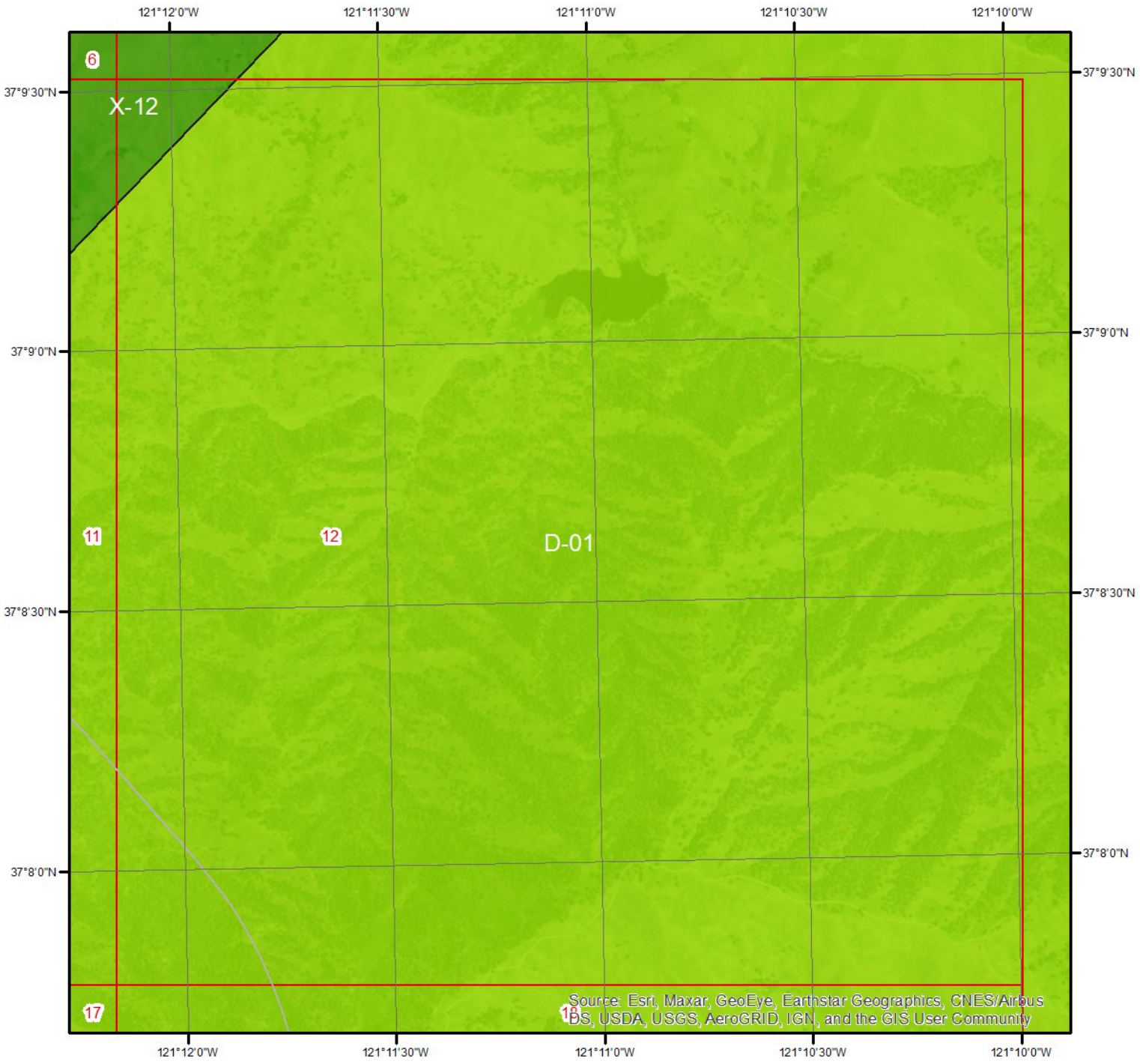
0 0.2 0.4 Miles

N

06047C0525G
06099C1050E
06085C0550H
06085C0725H

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Flood Hazard Zones - Page 12

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

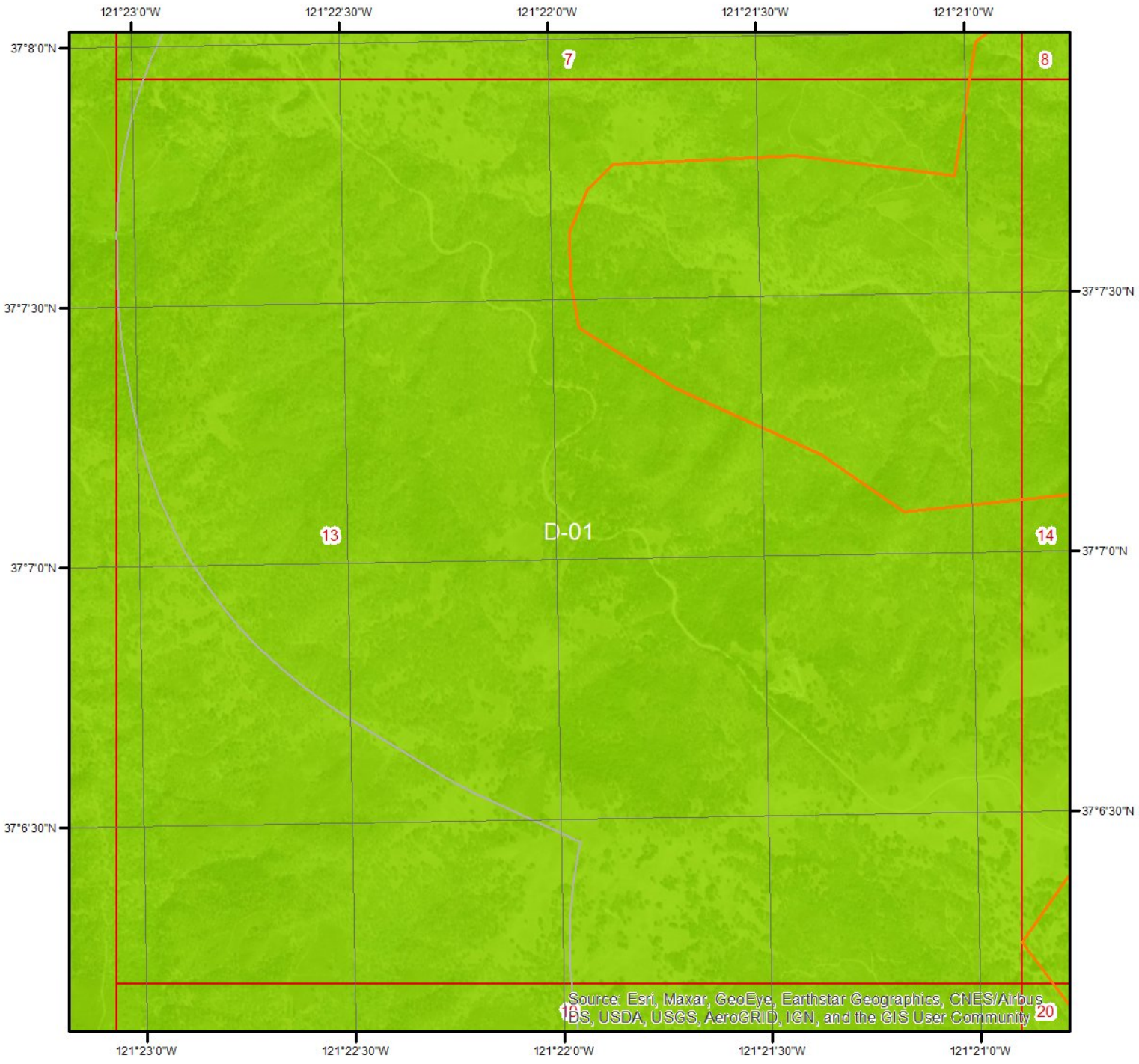
N

06047C0525G
06099C1050E
06085C0550H
06085C0725H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 13

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

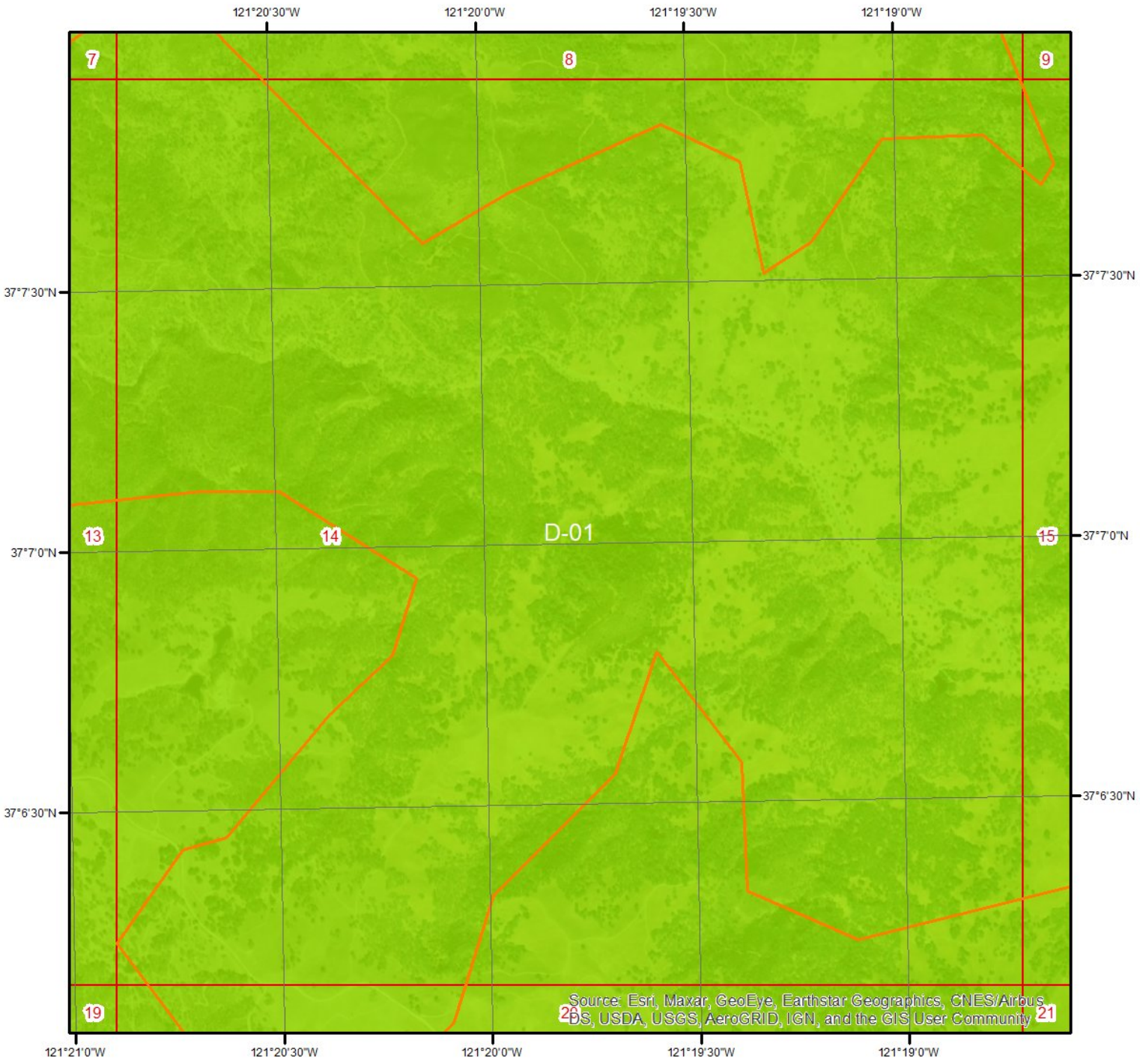
0 0.2 0.4 Miles

N

06099C1025E
06085C0700H
06085C0660H

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Flood Hazard Zones - Page 14

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

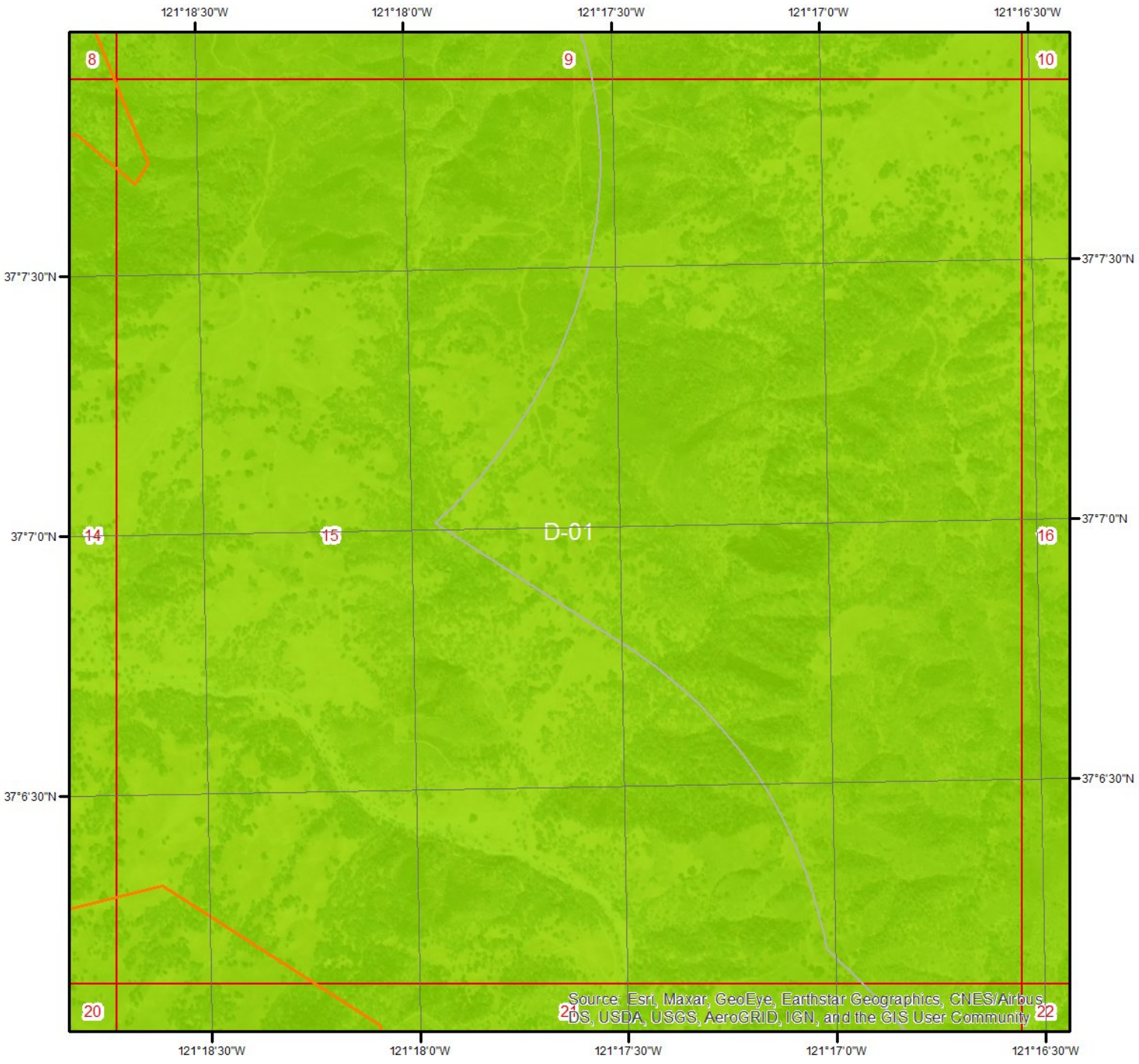
Miles
0 0.2 0.4

N

06099C1025E
06085C0525H
06085C0700H

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Flood Hazard Zones - Page 15

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

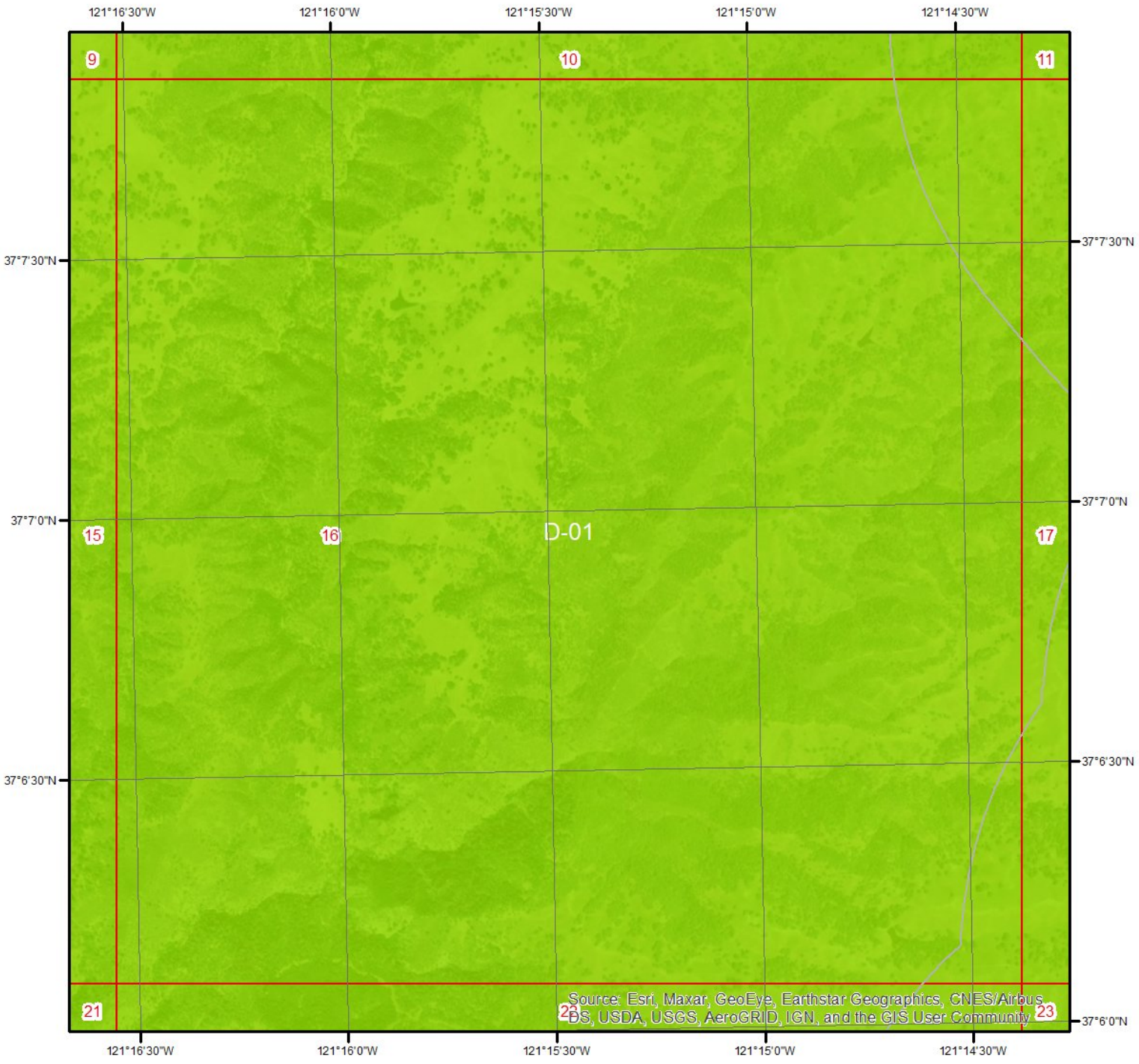
N

06099C1025E
06085C0525H
06085C0700H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 16

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

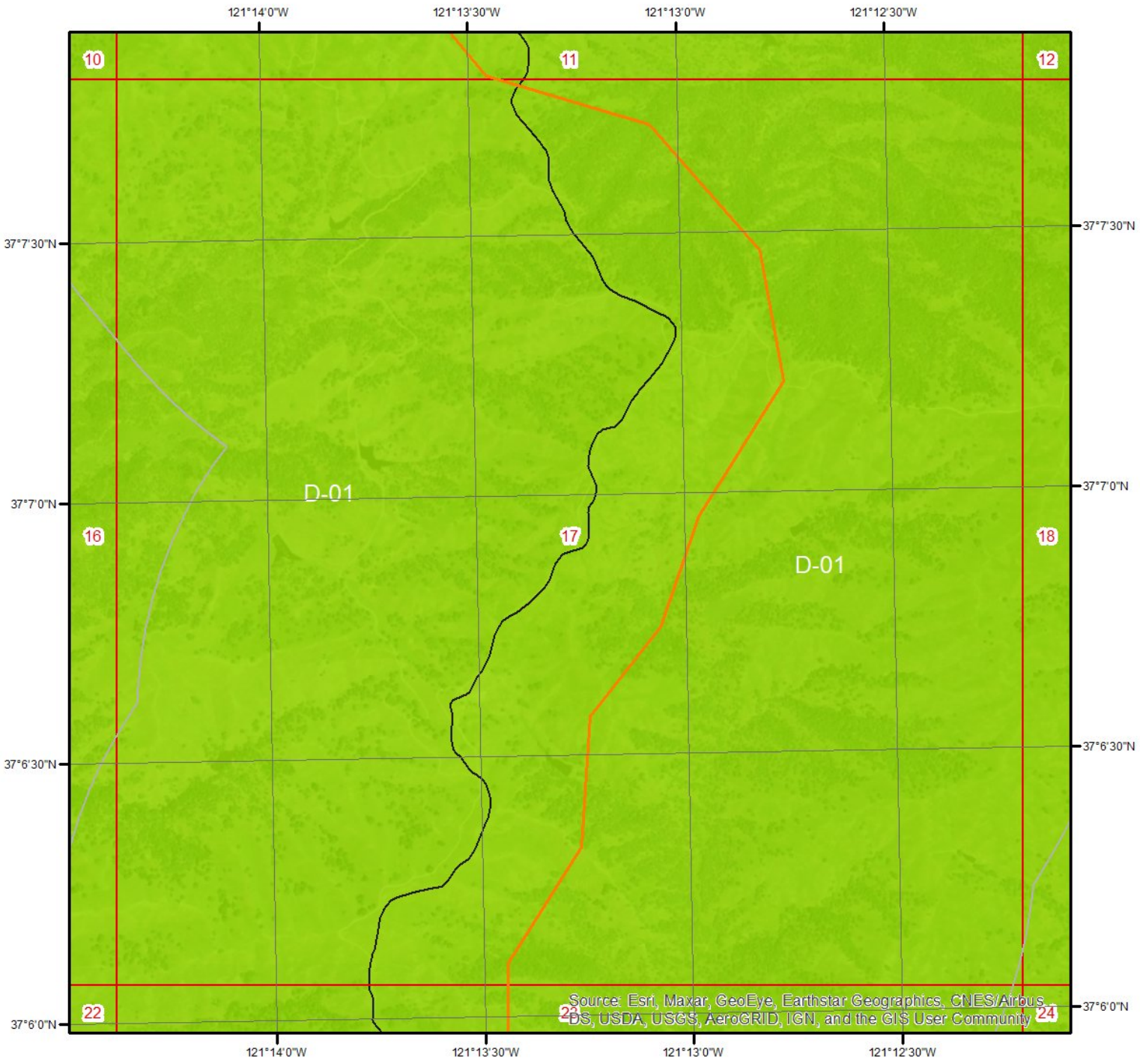
0 0.2 0.4 Miles

N

06099C1025E
06085C0700H
06085C0725H

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Flood Hazard Zones - Page 17

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

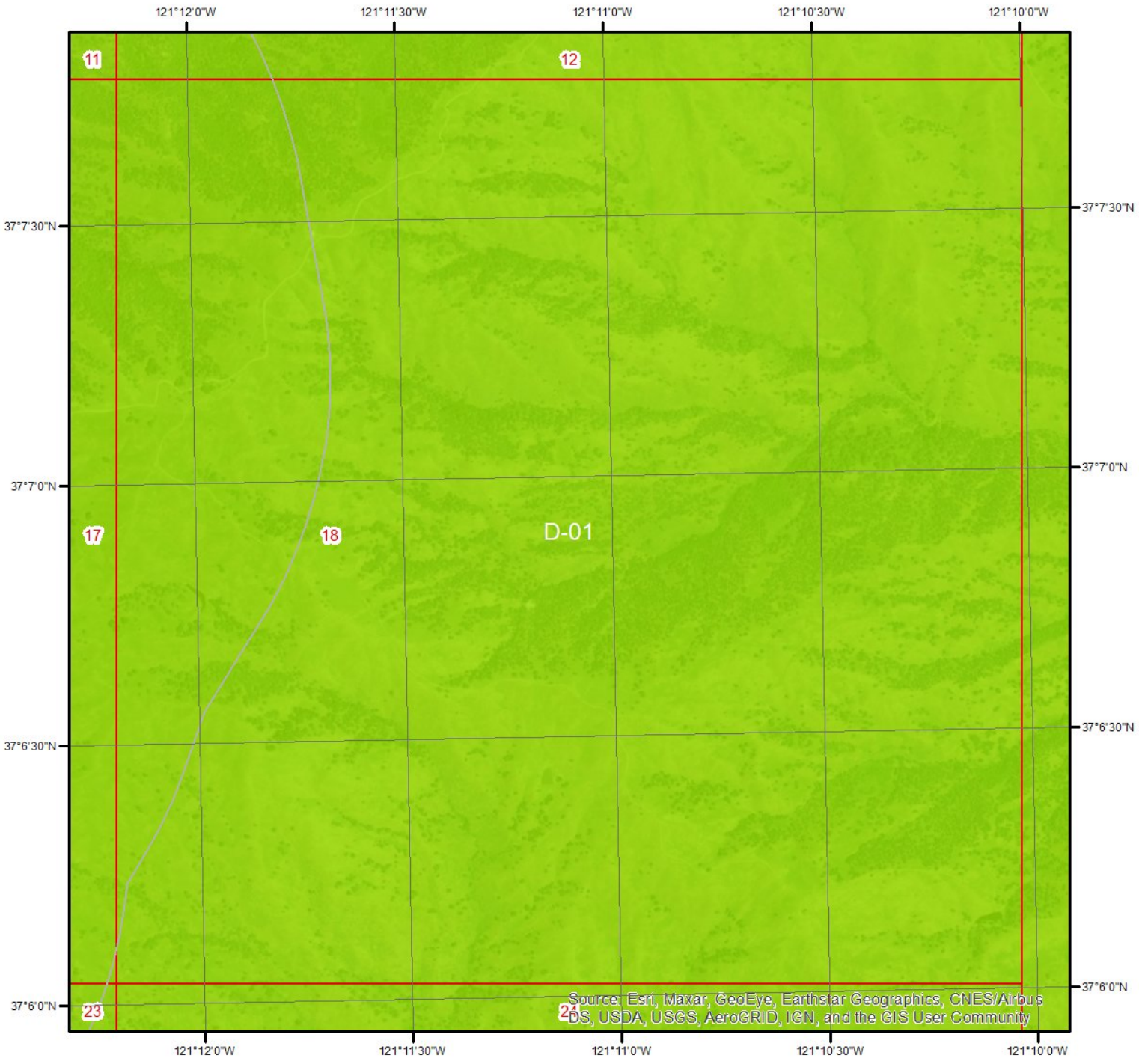
0 0.2 0.4 Miles

N

06099C1050E
~~06085C0550H~~
06085C0725H
06047C0775G

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Flood Hazard Zones - Page 18

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

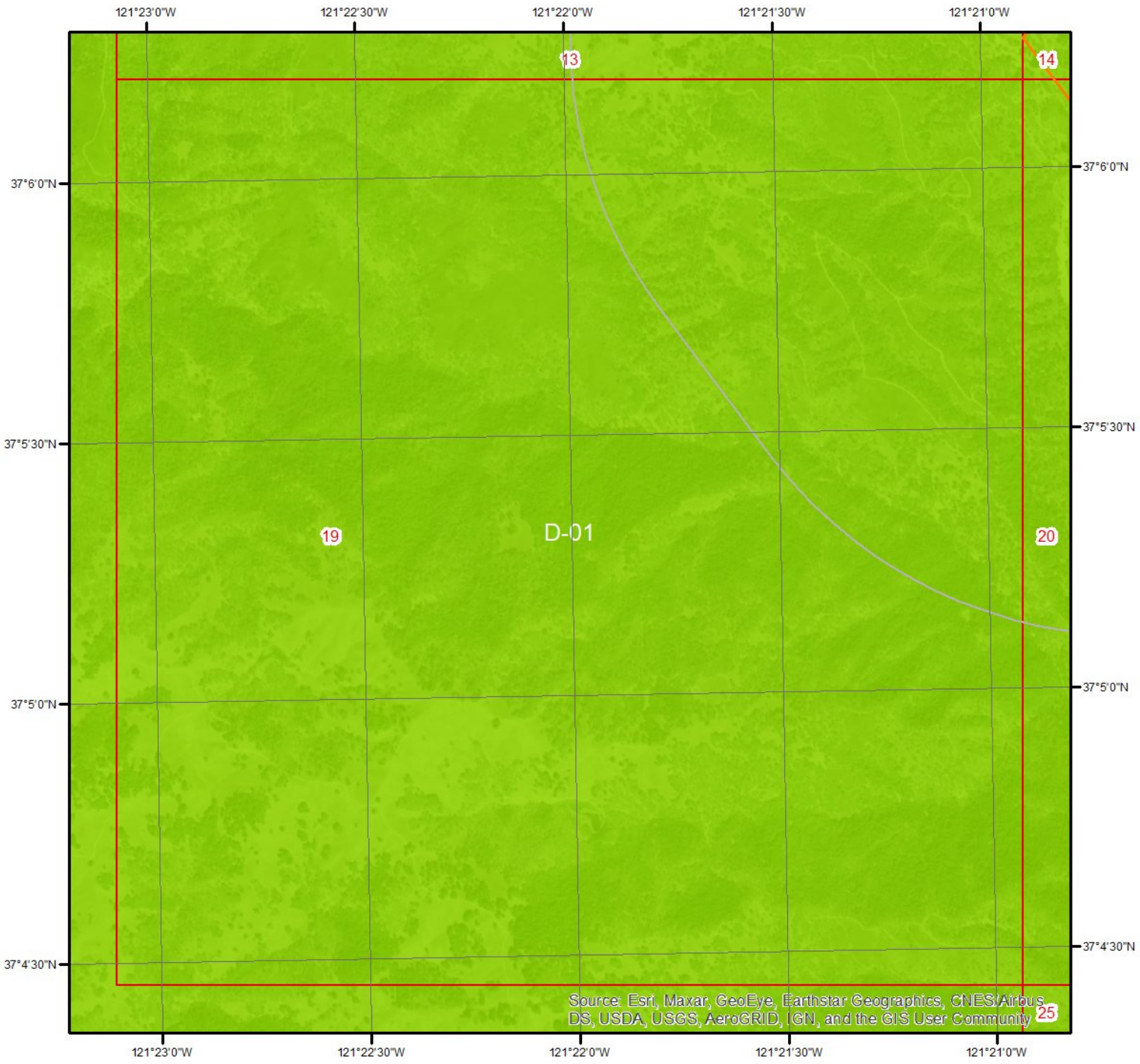
0 0.2 0.4 Miles

N

06099C1050E
~~06085C0550H~~
06085C0725H
06047C0775G

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Flood Hazard Zones - Page 19

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

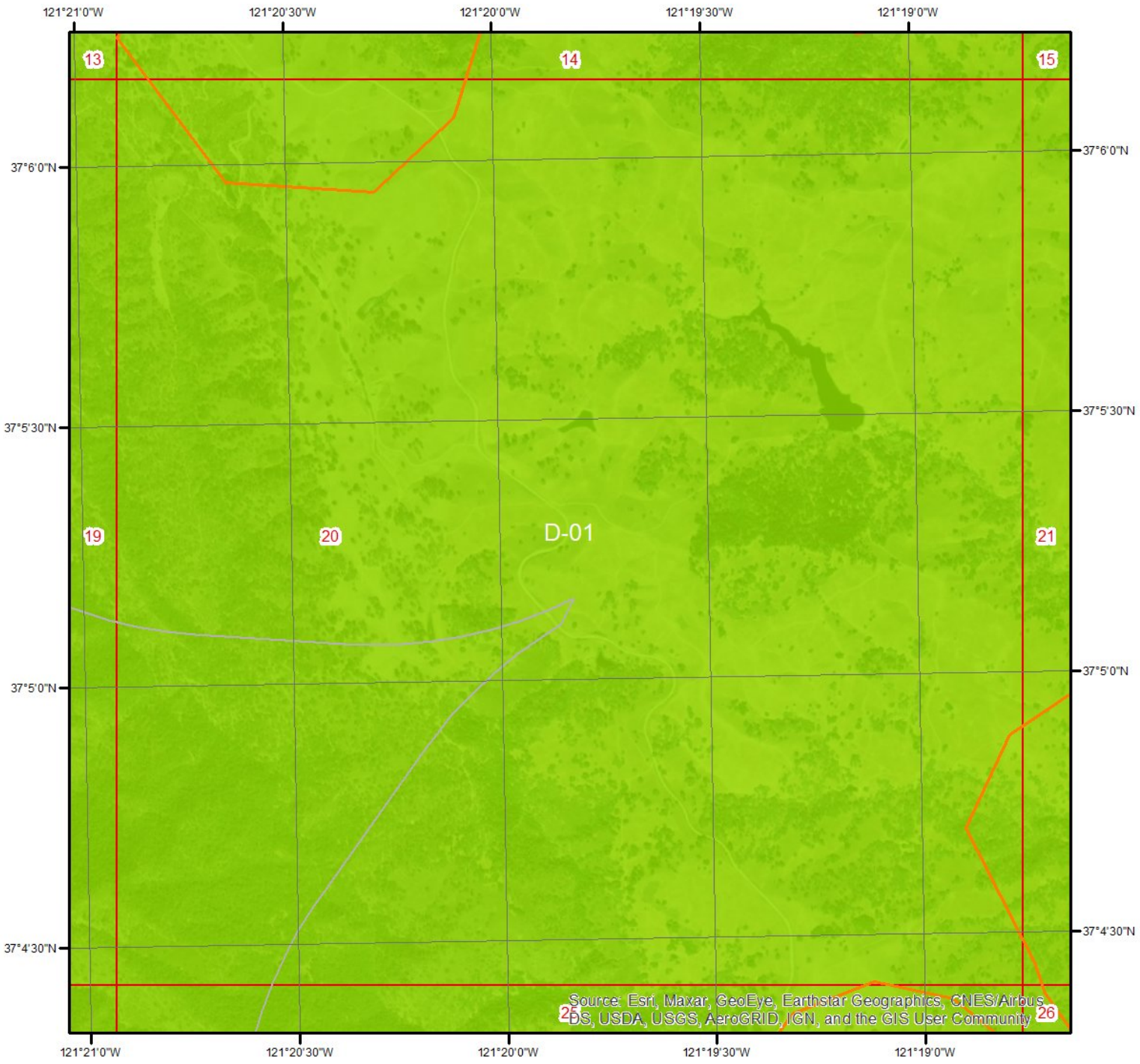
N

06085C0660H
06085C0700H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 20

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

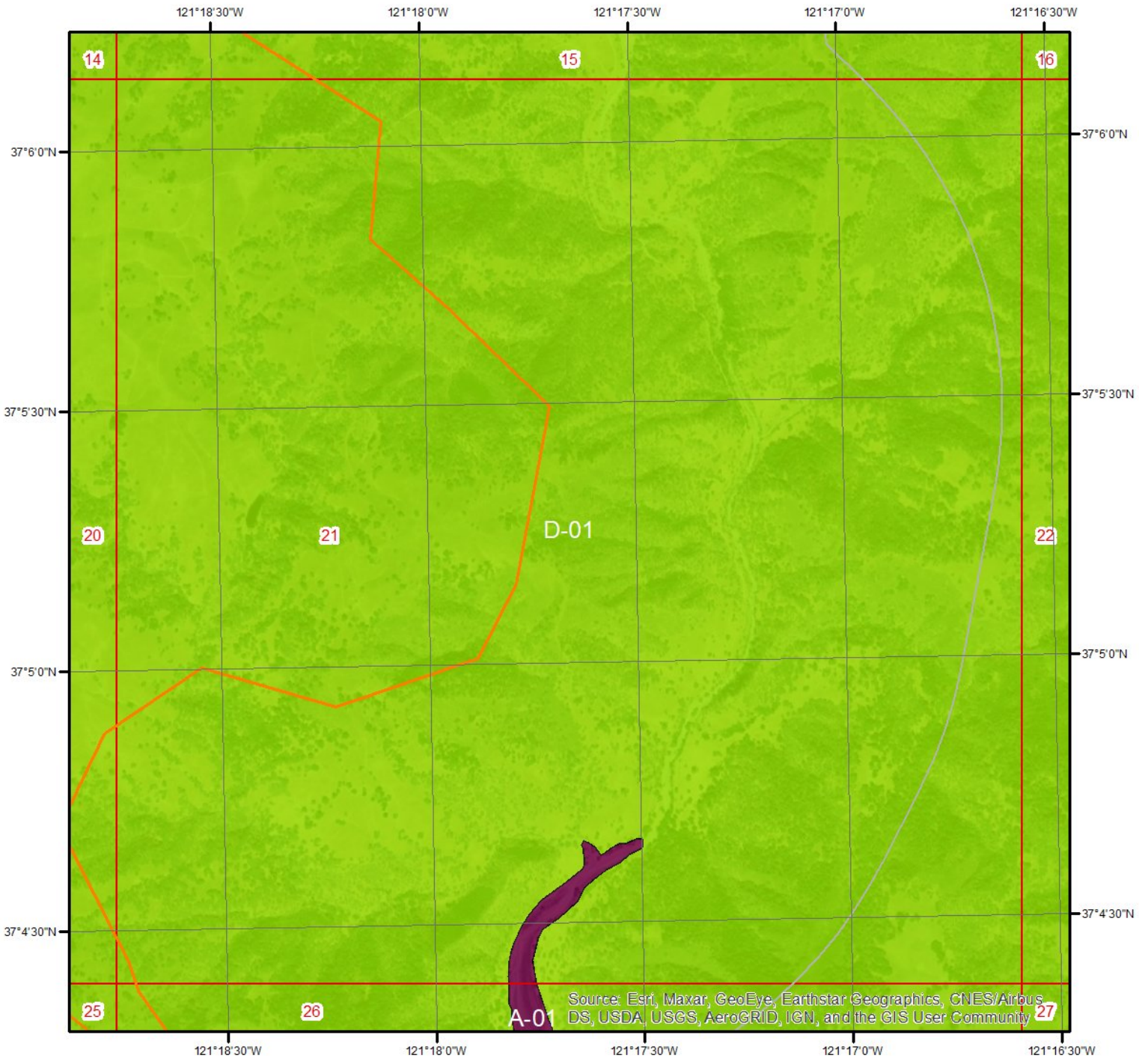
N

06085C0700H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 21

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

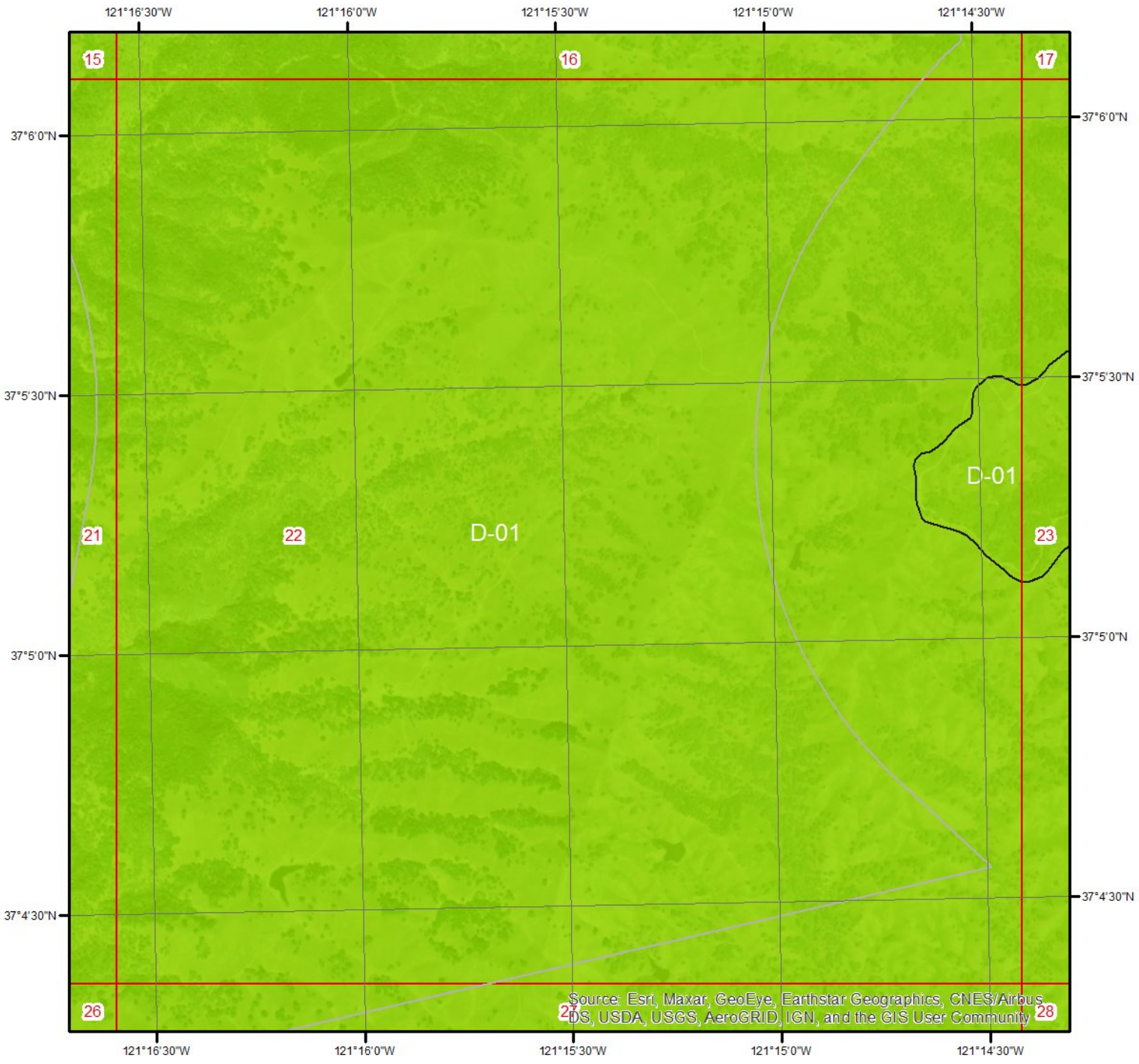
N

06085C0700H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 22

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

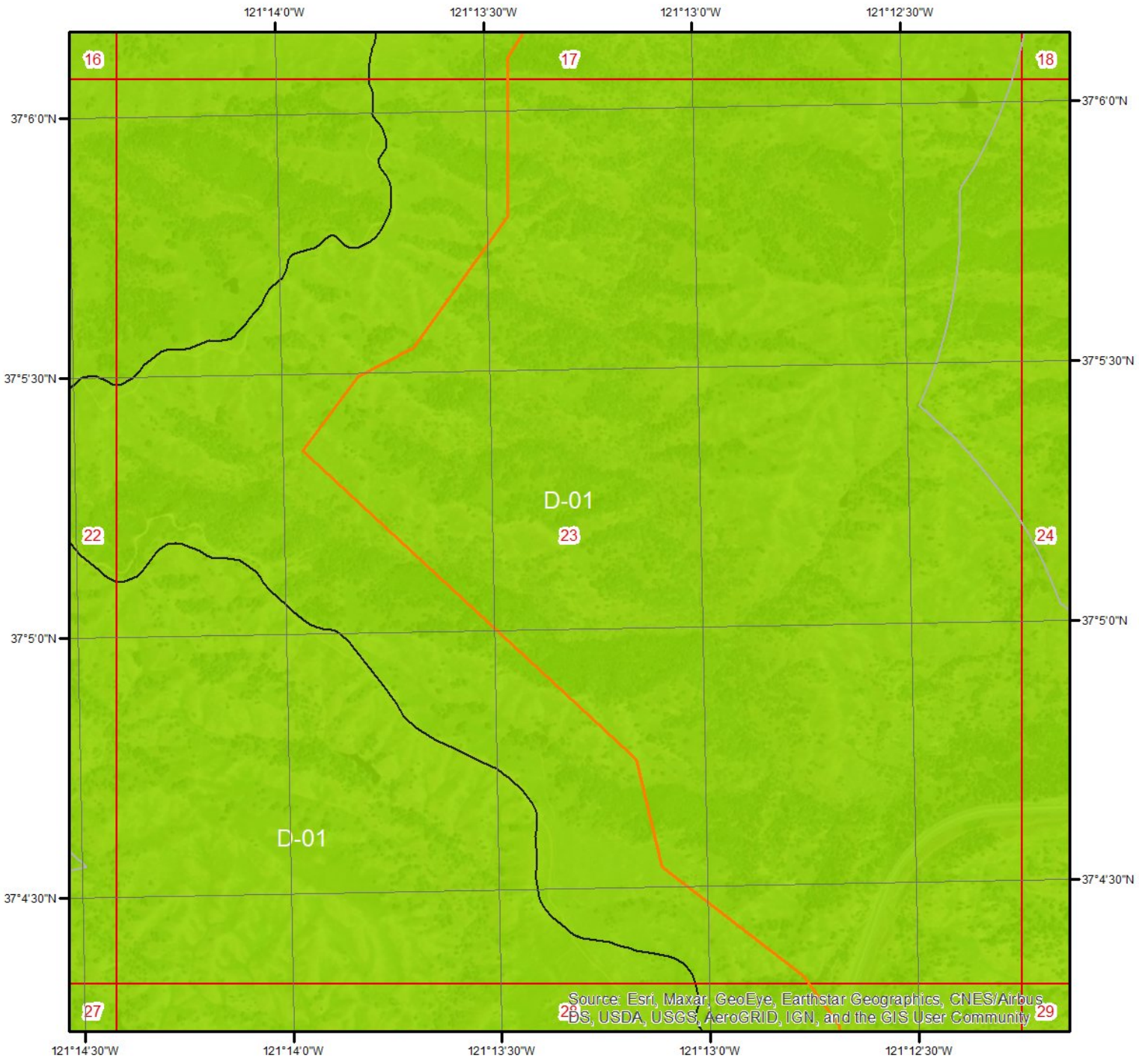
N

06085C0700H
06085C0725H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 23

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

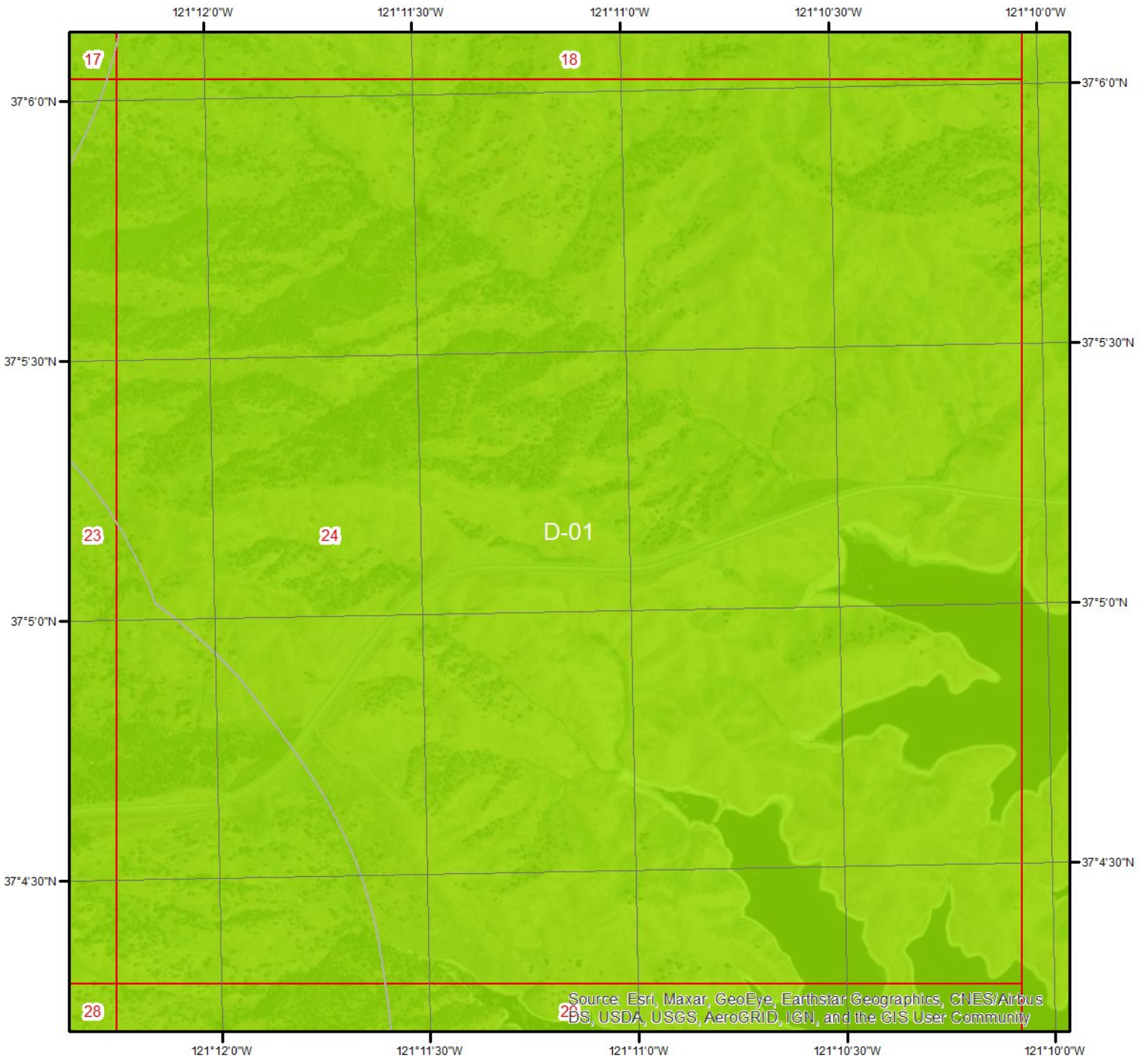
N

06085C0725H
06047C0775G

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 24

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

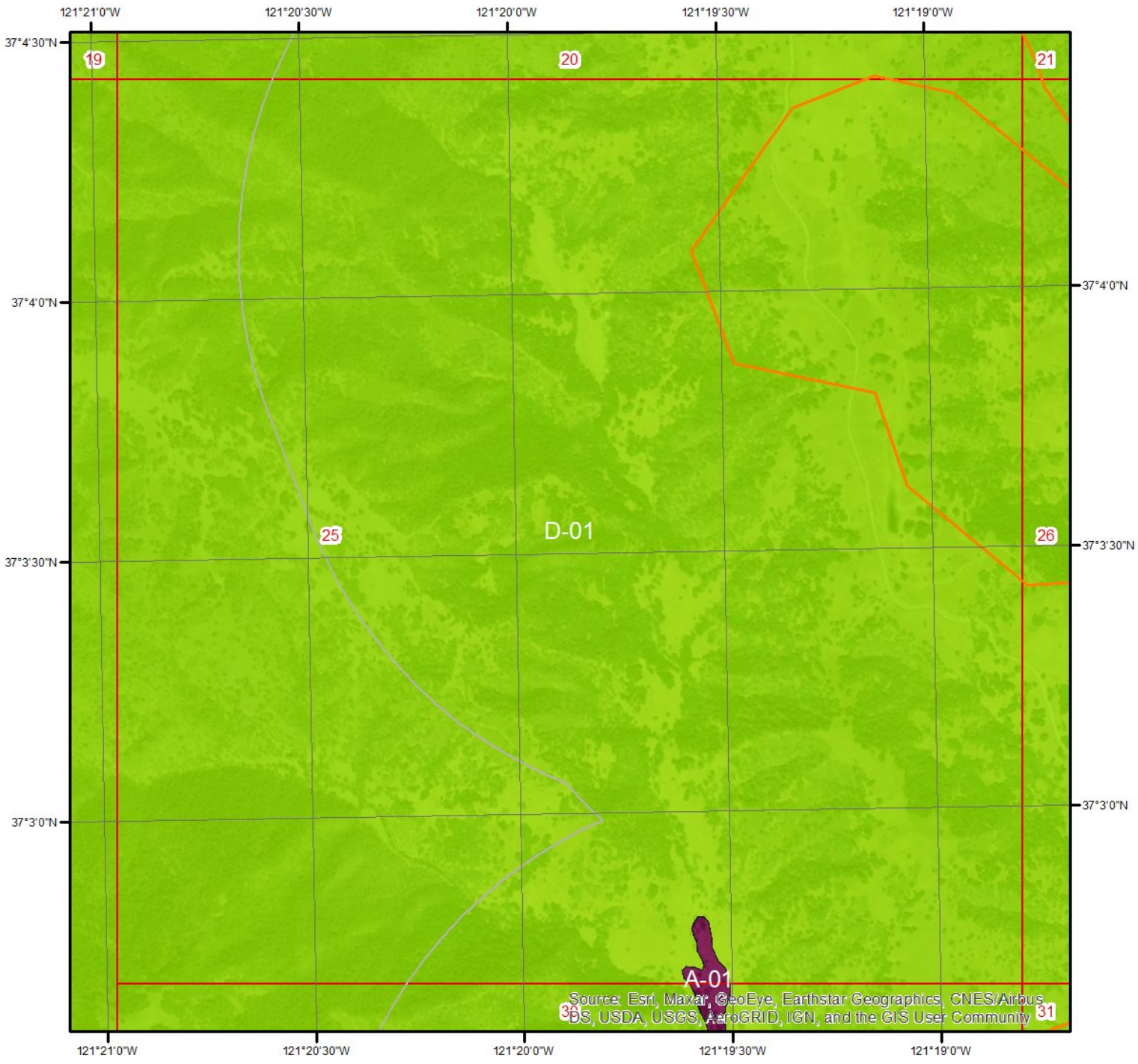
0 0.2 0.4 Miles

N

06085C0725H
06047C0775G

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Flood Hazard Zones - Page 25

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

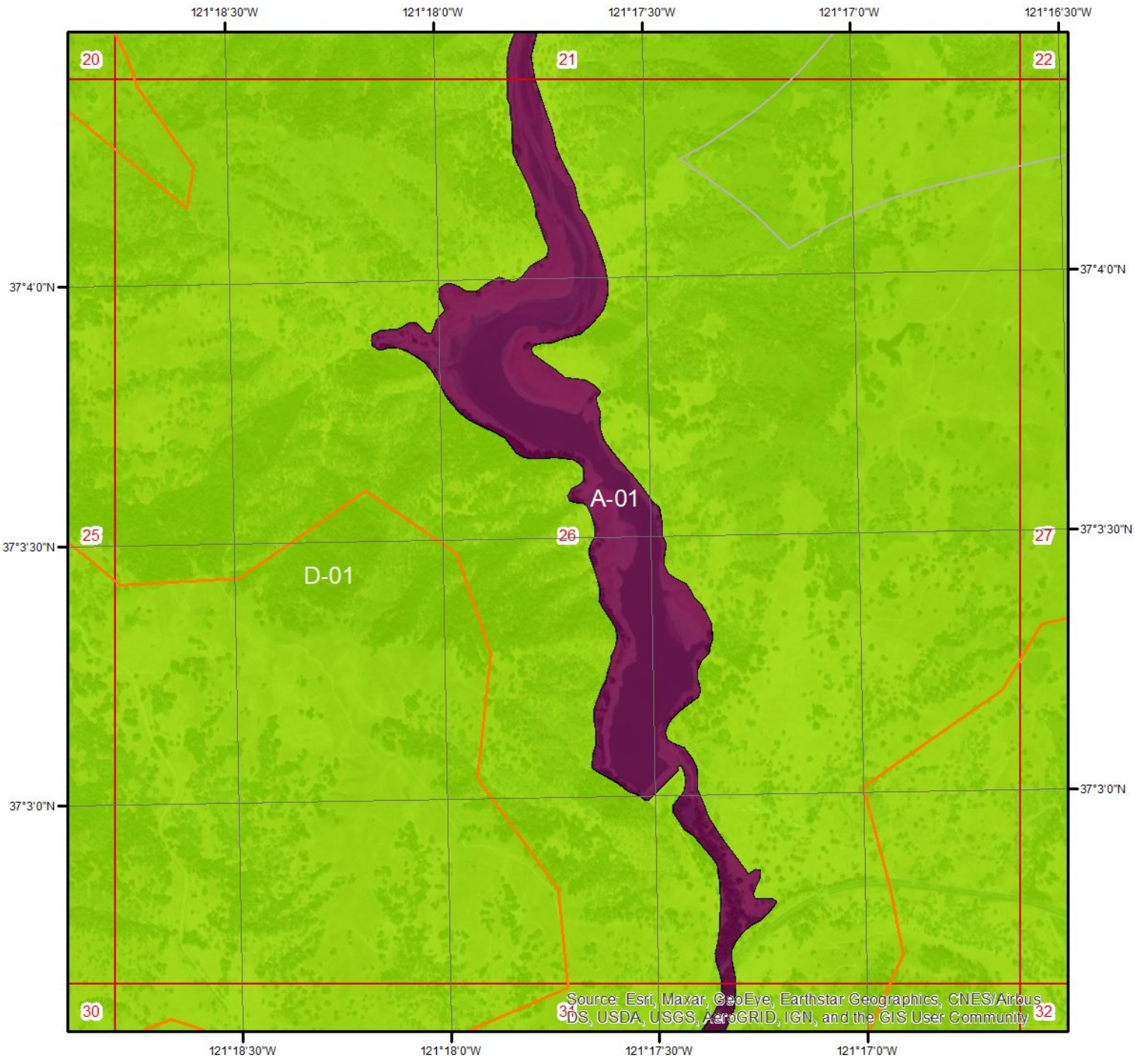
N

06085C0700H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 26

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

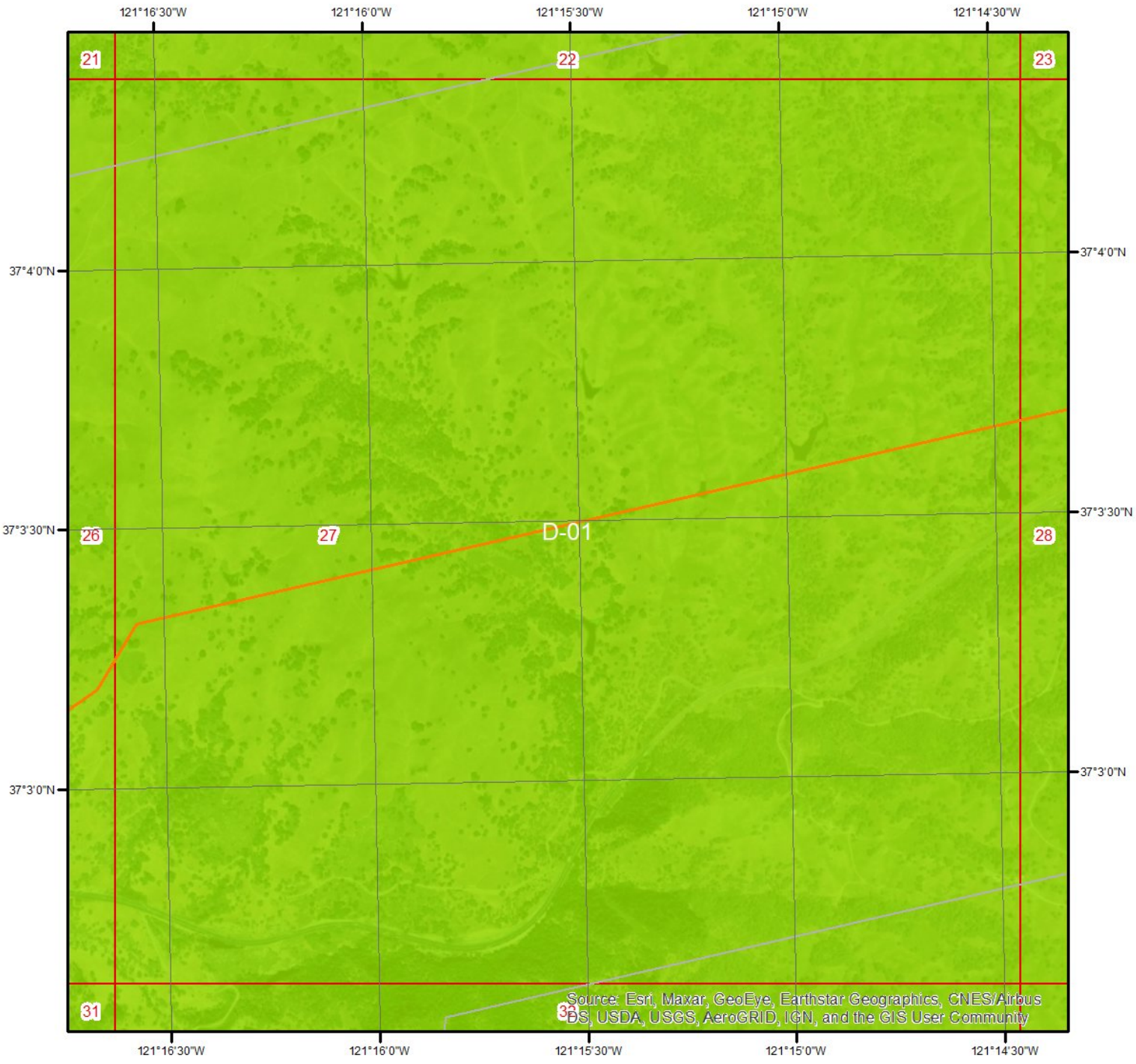
N

06085C0700H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 27

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

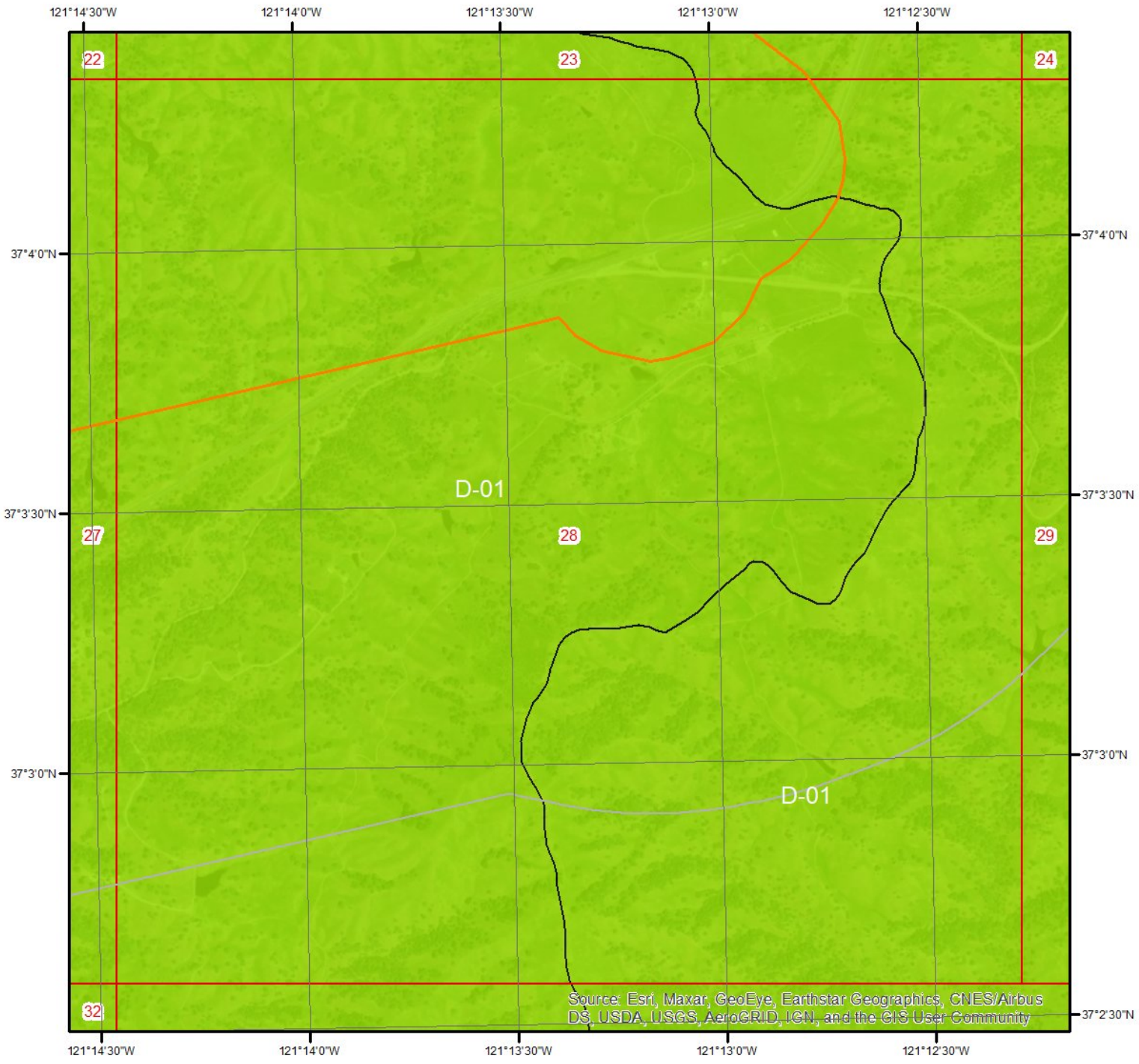
N

06085C0700H
06085C0725H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 28

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

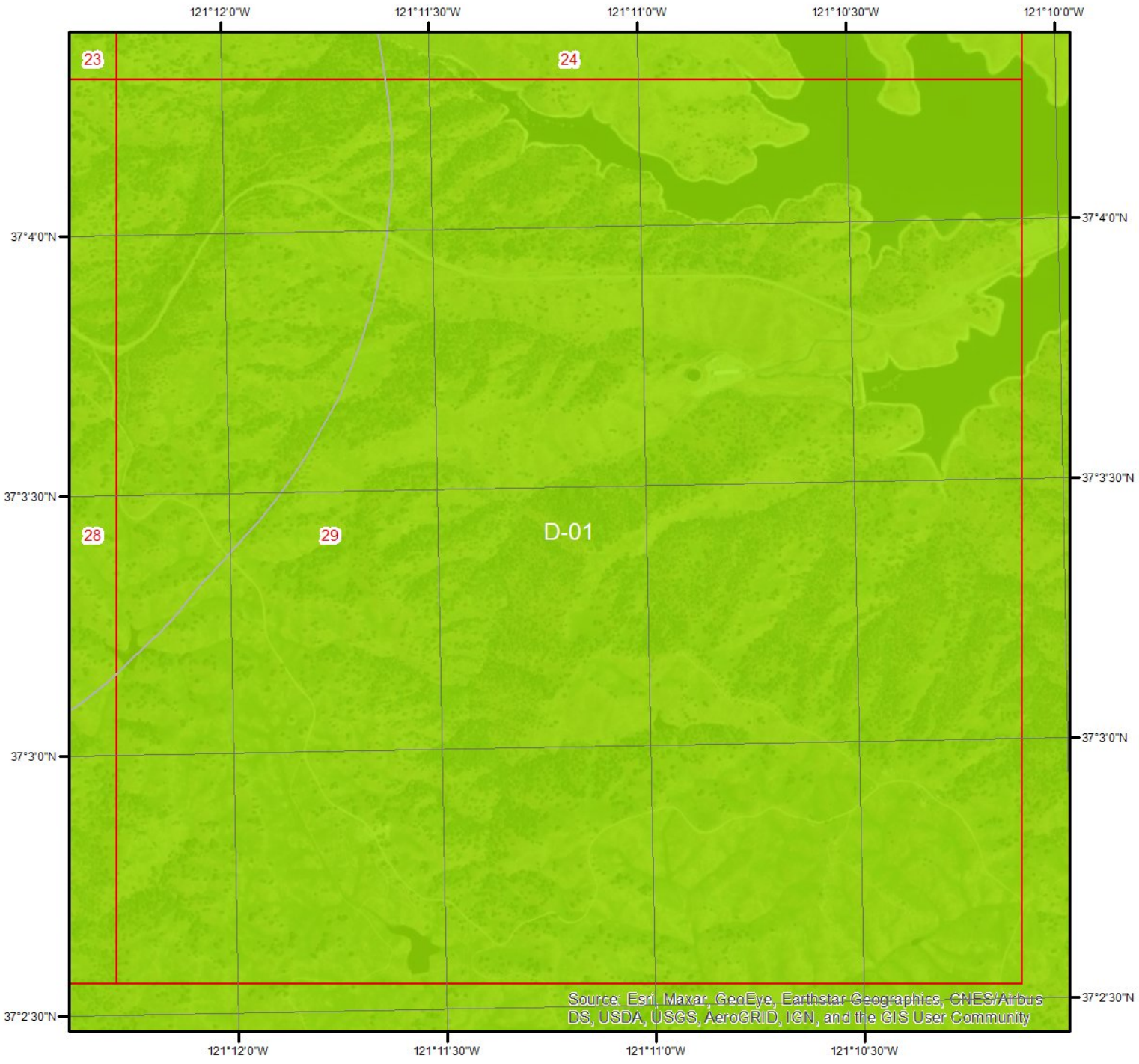
N

06085C0725H
06047C0775G

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 29

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

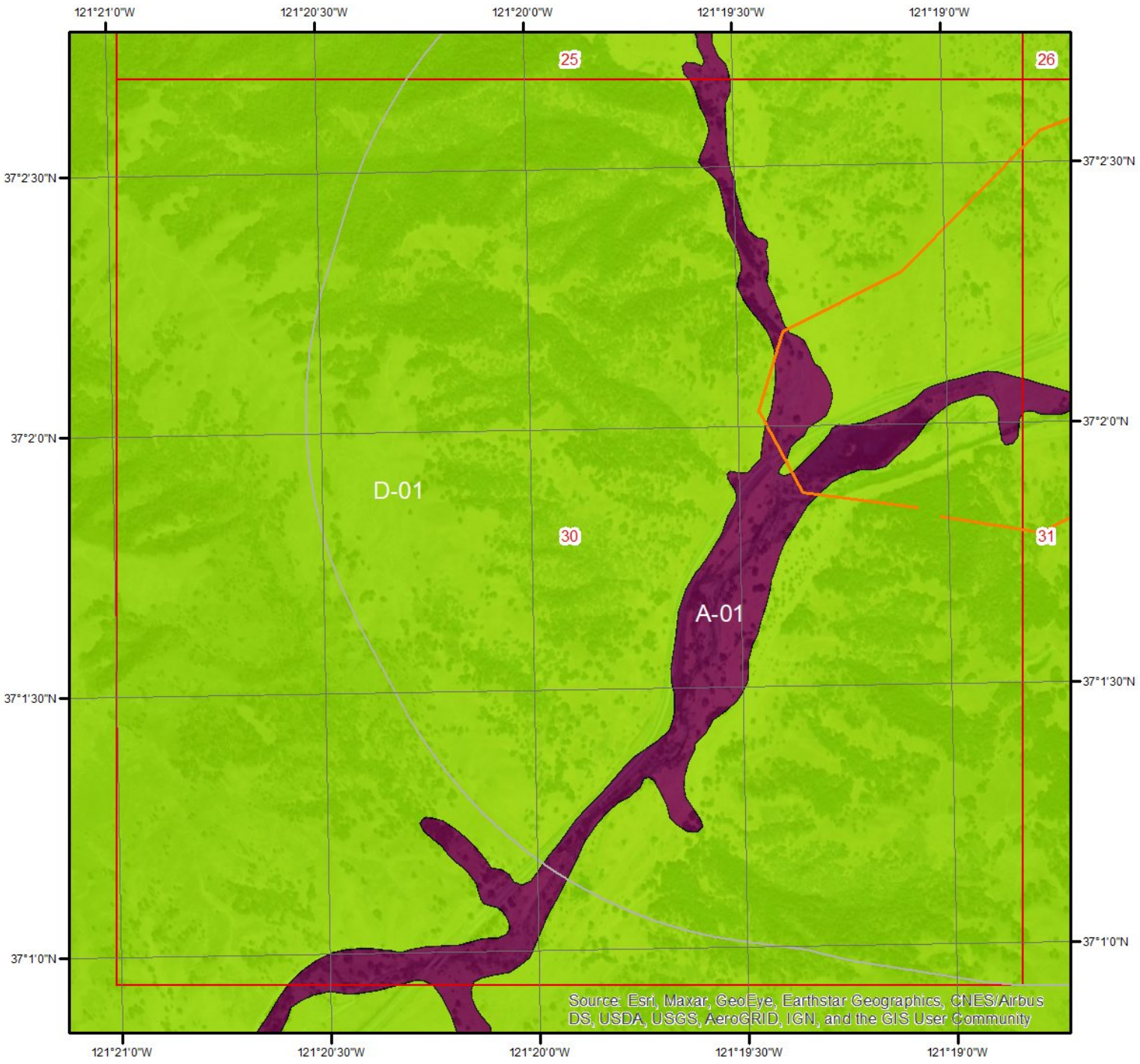
0 0.2 0.4 Miles

N

06085C0725H
06047C0775G

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Flood Hazard Zones - Page 30

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

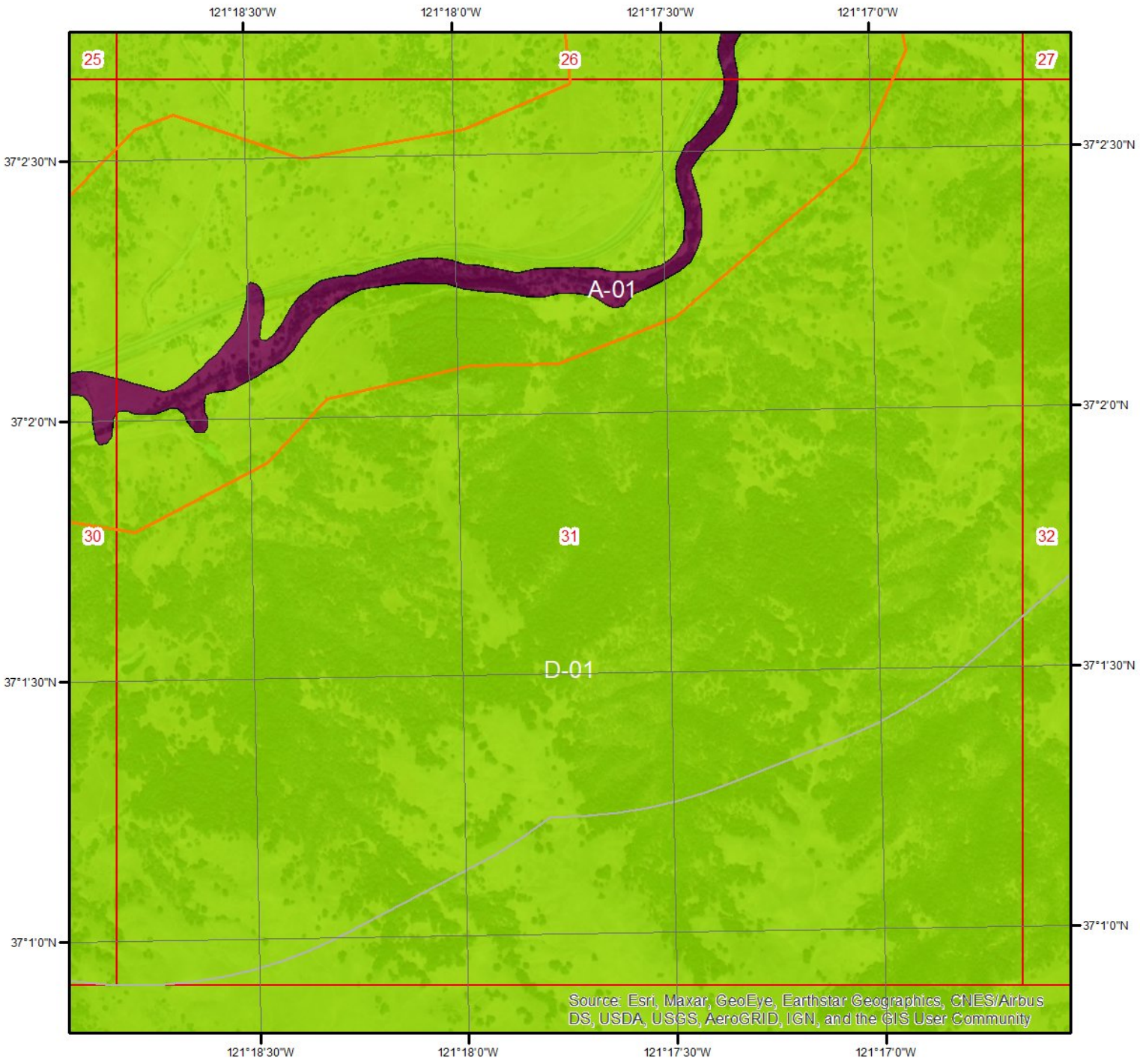
N

06085C0700H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 31

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

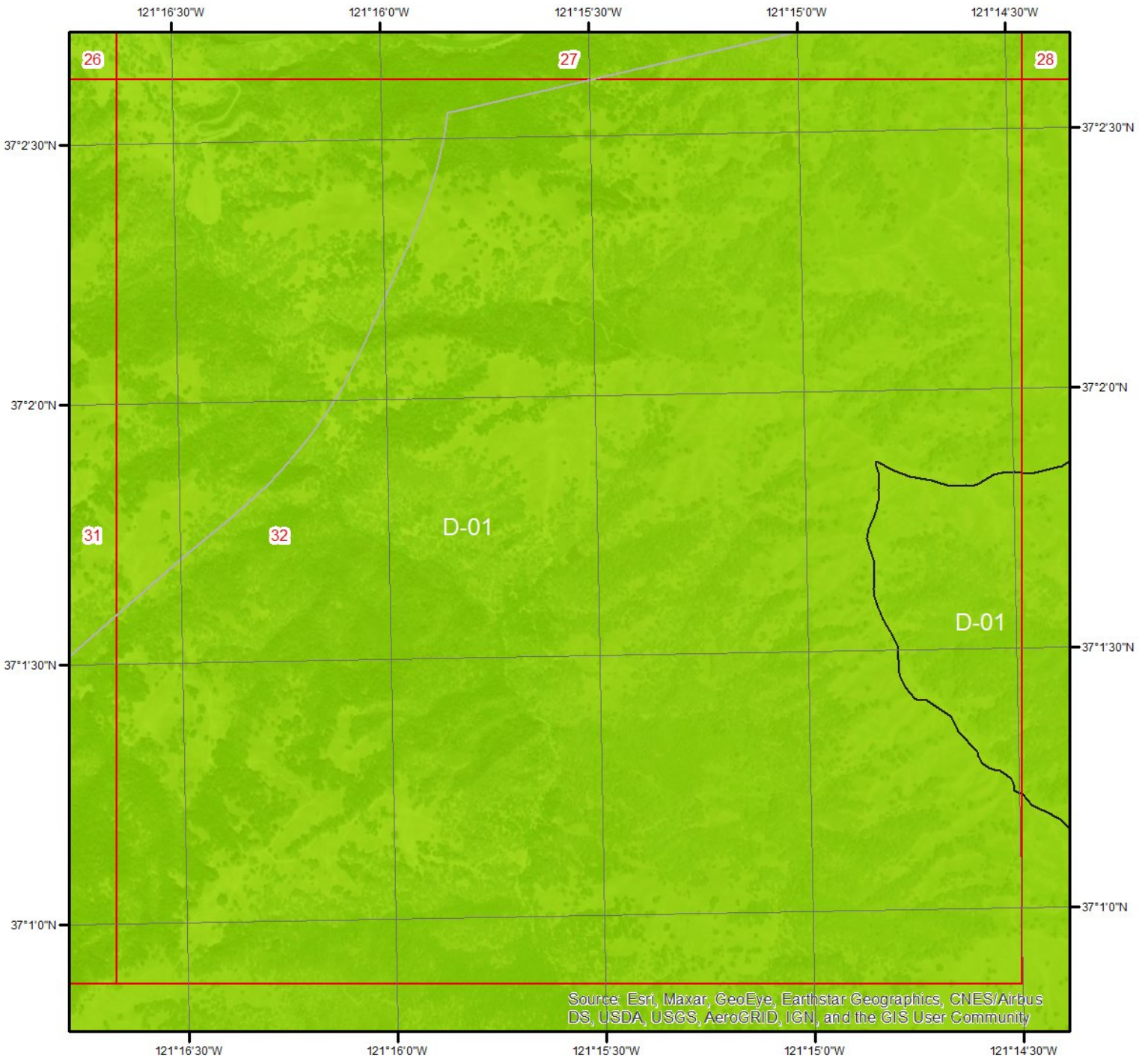
N

06085C0700H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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Flood Hazard Zones - Page 32

This map shows FEMA flood hazard zones. FIRM panels are shown to the right, and blank indicates no data is available.

Miles
0 0.2 0.4

N

06085C0700H
06085C0725H

A	AO	X
A99	V	OPEN WATER
AE	VE	NOT POPULATED
AH	D	AREA NOT INCLUDED

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The Wetland Type map shows wetland existence overlaid on an aerial imagery. The Flood Hazard Zones map shows FEMA flood hazard zones overlaid on an aerial imagery. Relevant FIRM panels and detailed zone information is provided below.

Available FIRM Panels in area:	06085C0525H(effective:2009-05-18) 06085C0500H(effective:2009-05-18) 06047C0525G(effective:2008-12-02) 06047C0775G(effective:2008-12-02) 06085C0550H(effective:2009-05-18) 06085C0660H(effective:2009-05-18) 06085C0725H(effective:2009-05-18) 06085C0700H(effective:2009-05-18) 06099C1000E(effective:2008-09-26) 06099C1050E(effective:2008-09-26) 06099C1025E(effective:2008-09-26)

Flood Zone A-01

Zone:	A
Zone subtype:	

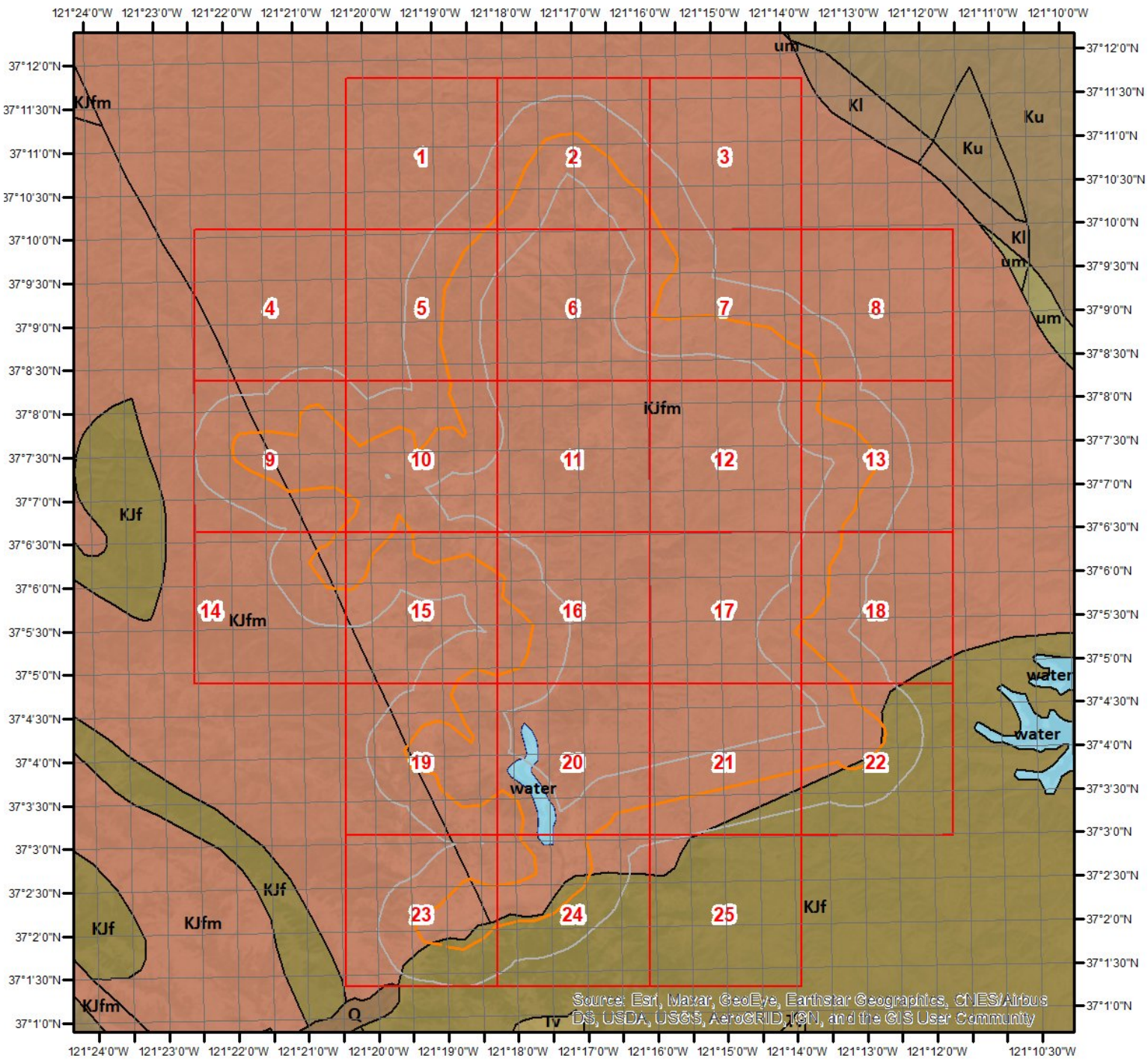
Flood Zone D-01

Zone:	D
Zone subtype:	

Flood Zone X-12

Zone:	X
Zone subtype:	AREA OF MINIMAL FLOOD HAZARD

Geologic Information



Miles

0 0.2 0.4 0.8 1.2 1.6 2 2.4

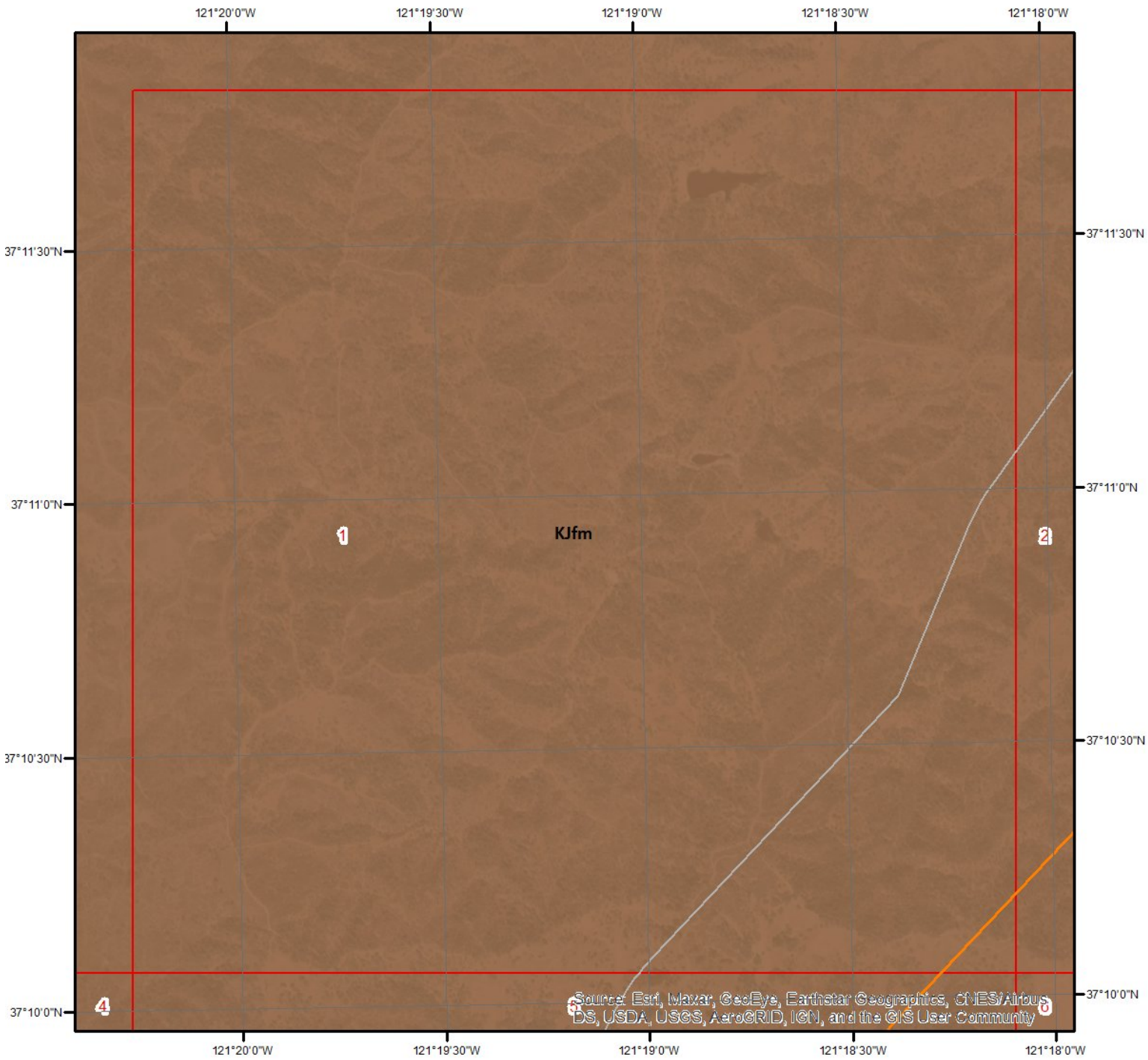
N

Geologic Units

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Miles
0 0.2 0.4

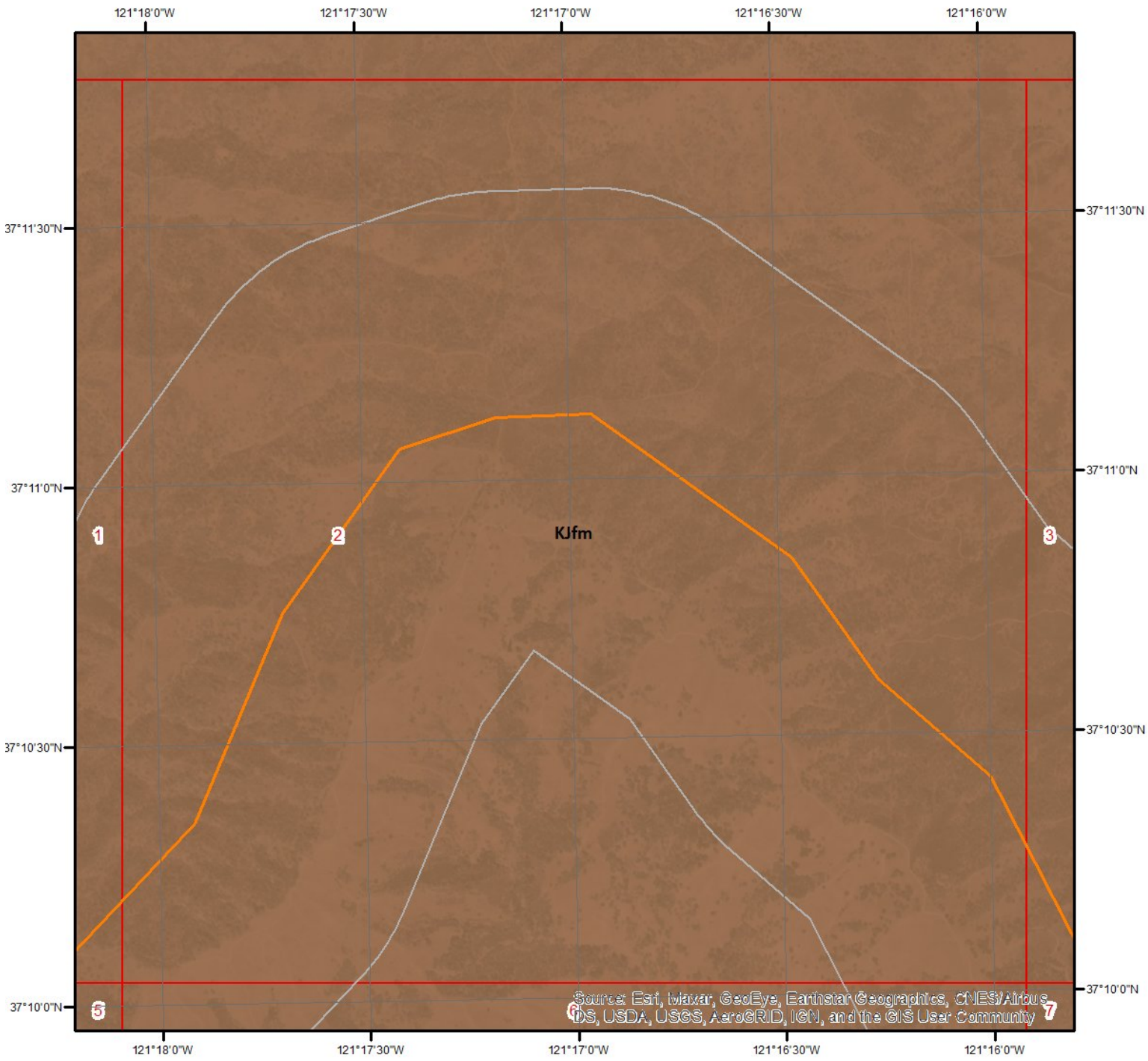
N

Geologic Units - Page 1

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information



Miles
0 0.2 0.4

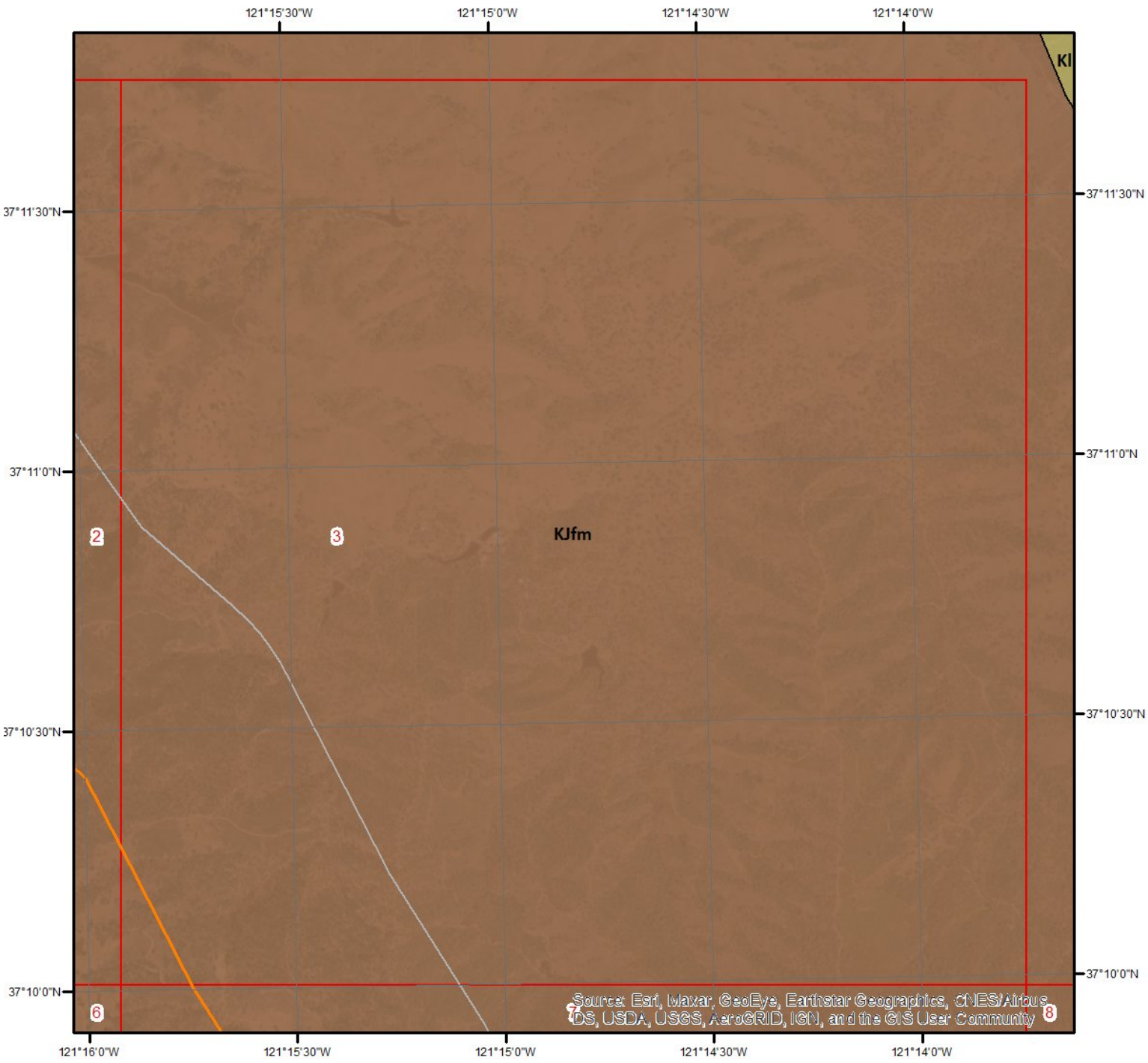
N

Geologic Units - Page 2

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information



Miles
0 0.2 0.4

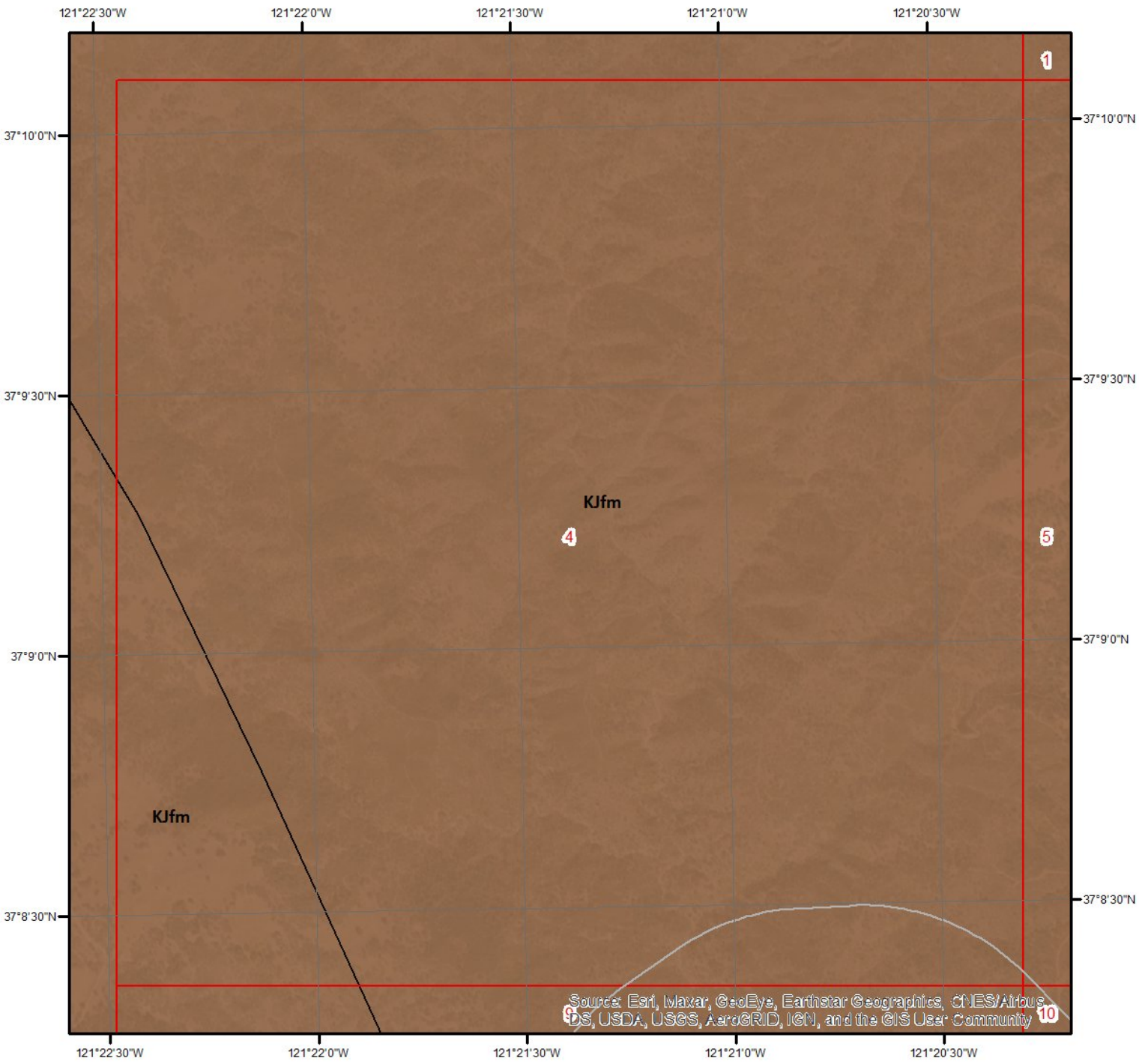
N

Geologic Units - Page 3

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information

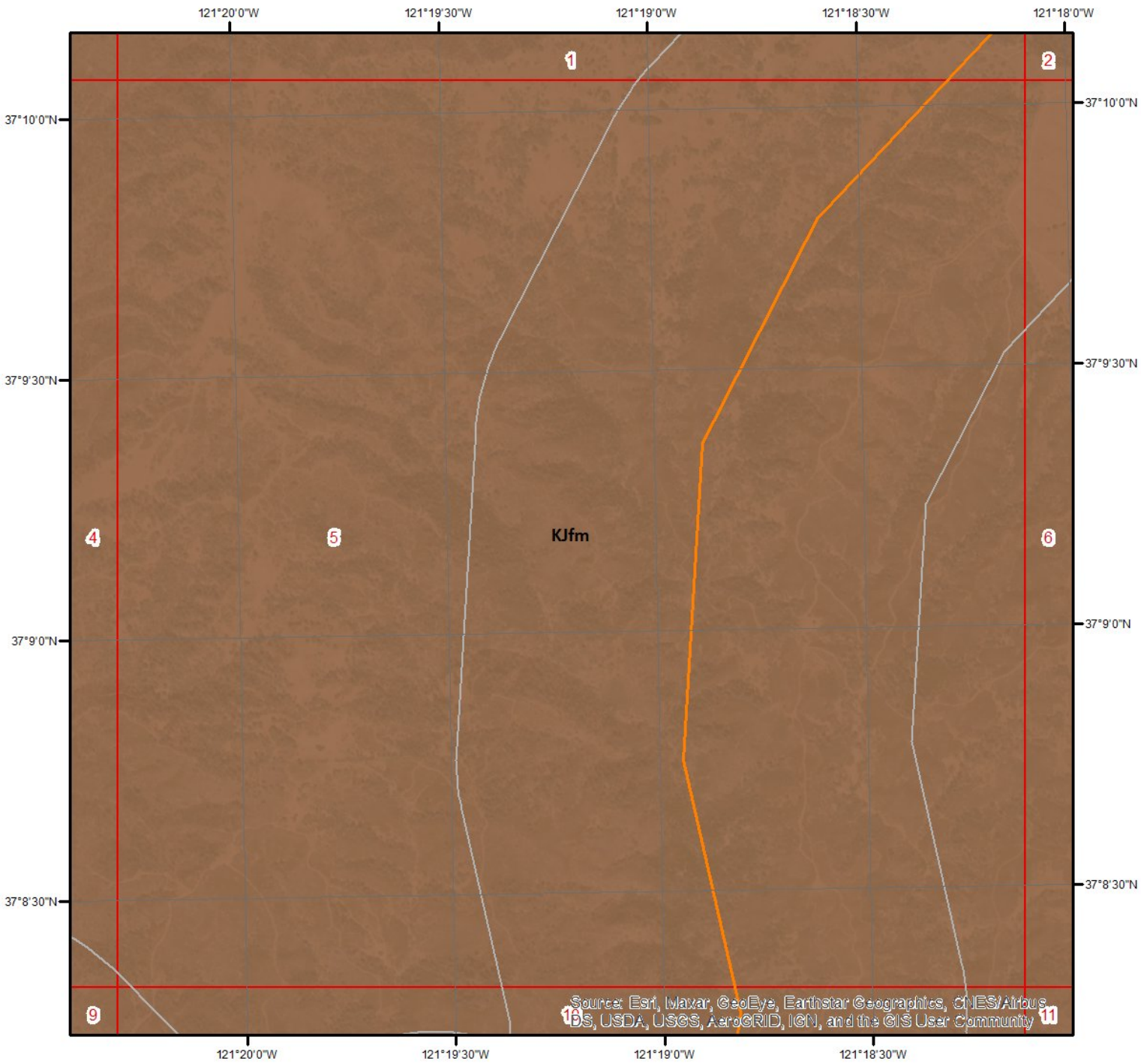


Geologic Units - Page 4

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information



Miles
0 0.2 0.4

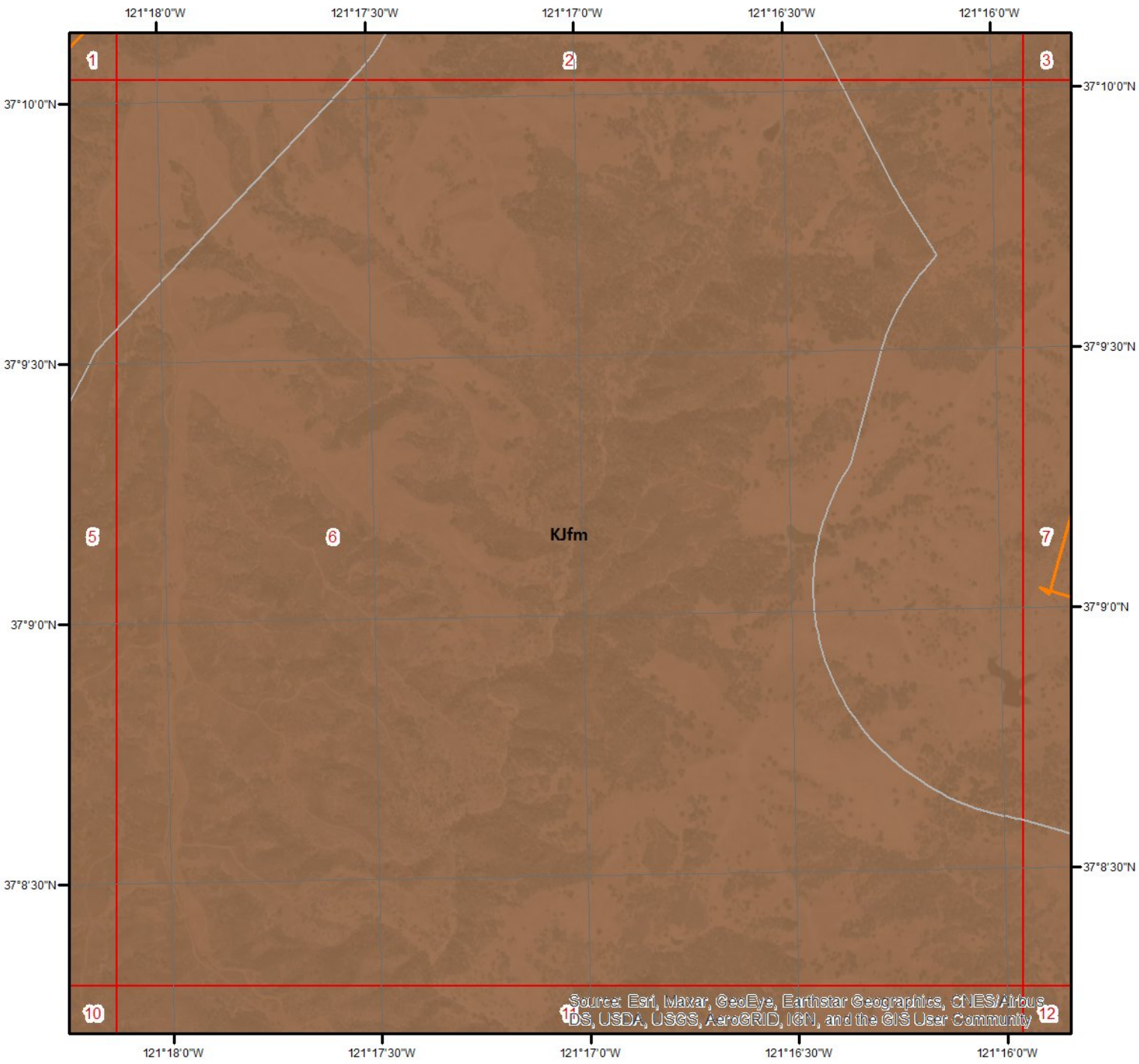
N

Geologic Units - Page 5

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information



Miles
0 0.2 0.4

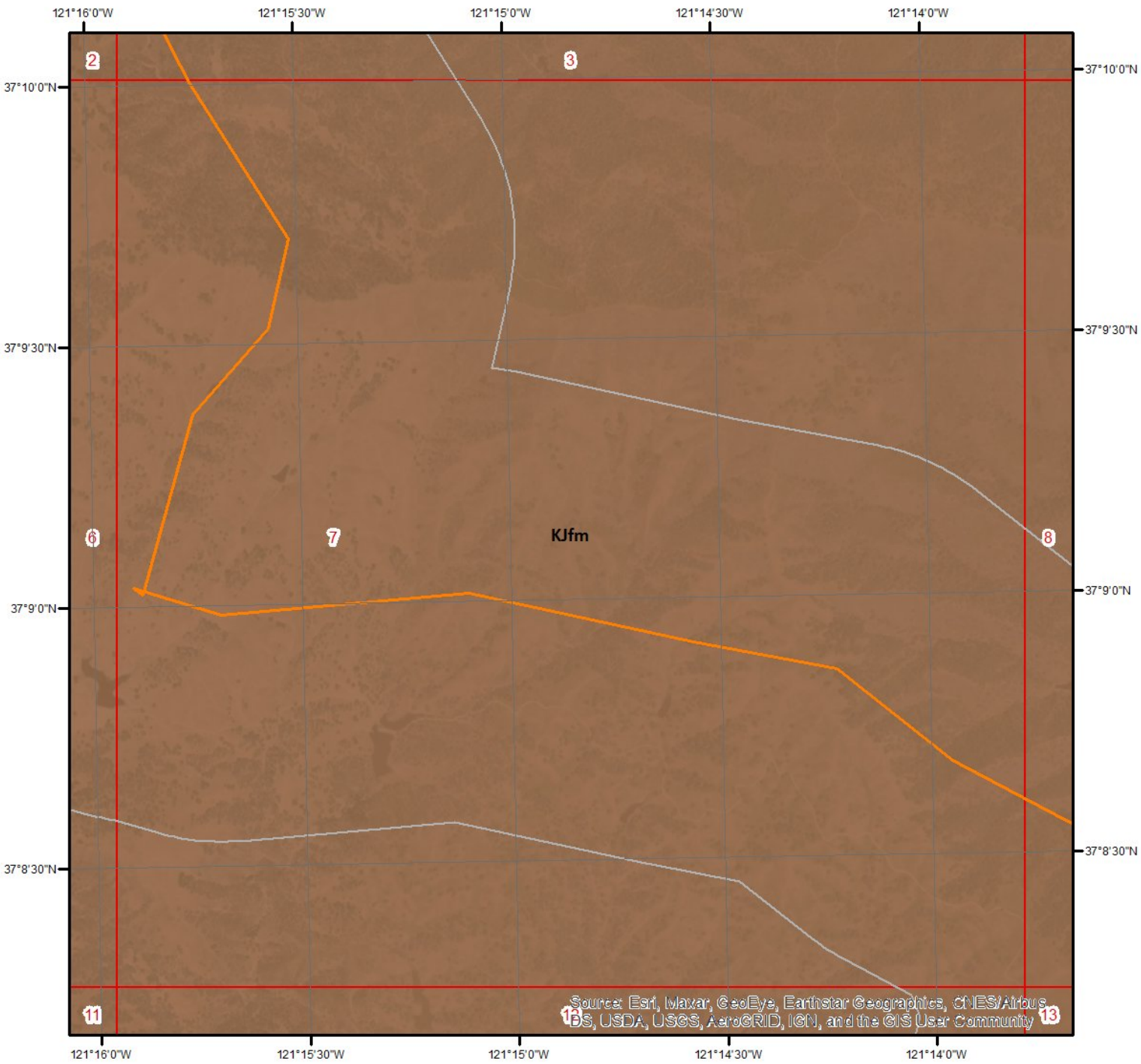
N

Geologic Units - Page 6

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Miles
0 0.2 0.4

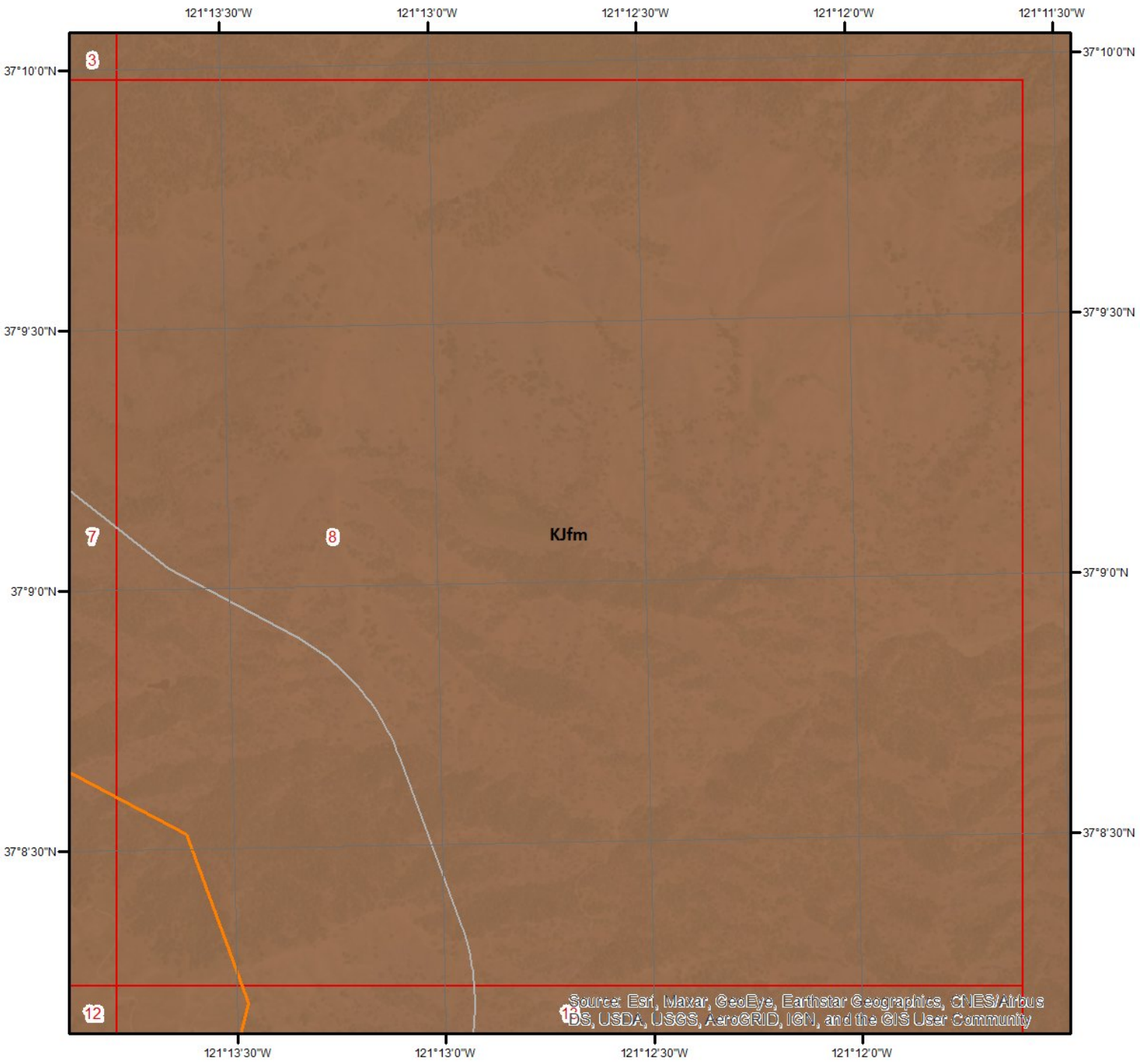
N

Geologic Units - Page 7

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Miles
0 0.2 0.4

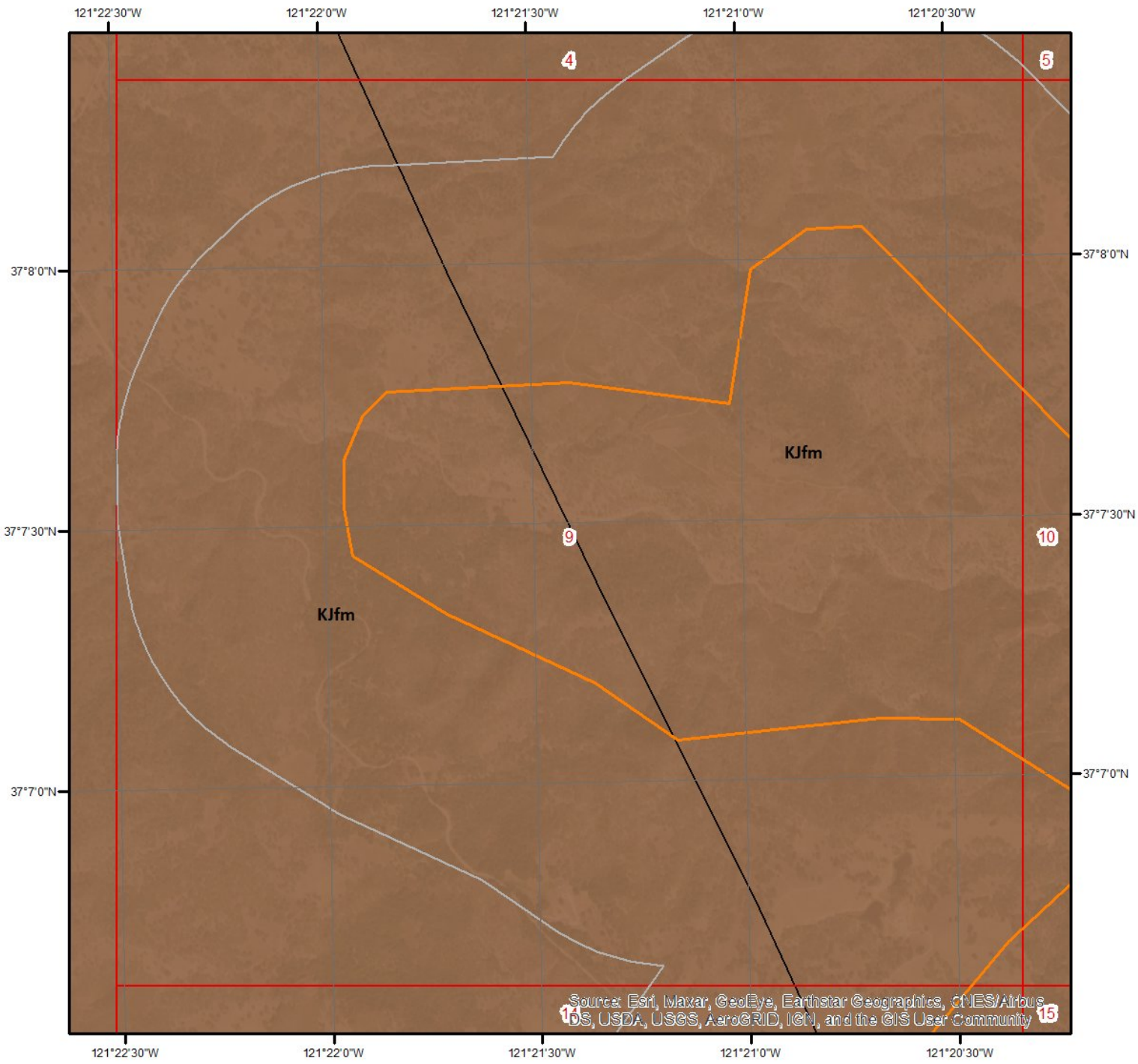
N

Geologic Units - Page 8

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Miles
0 0.2 0.4

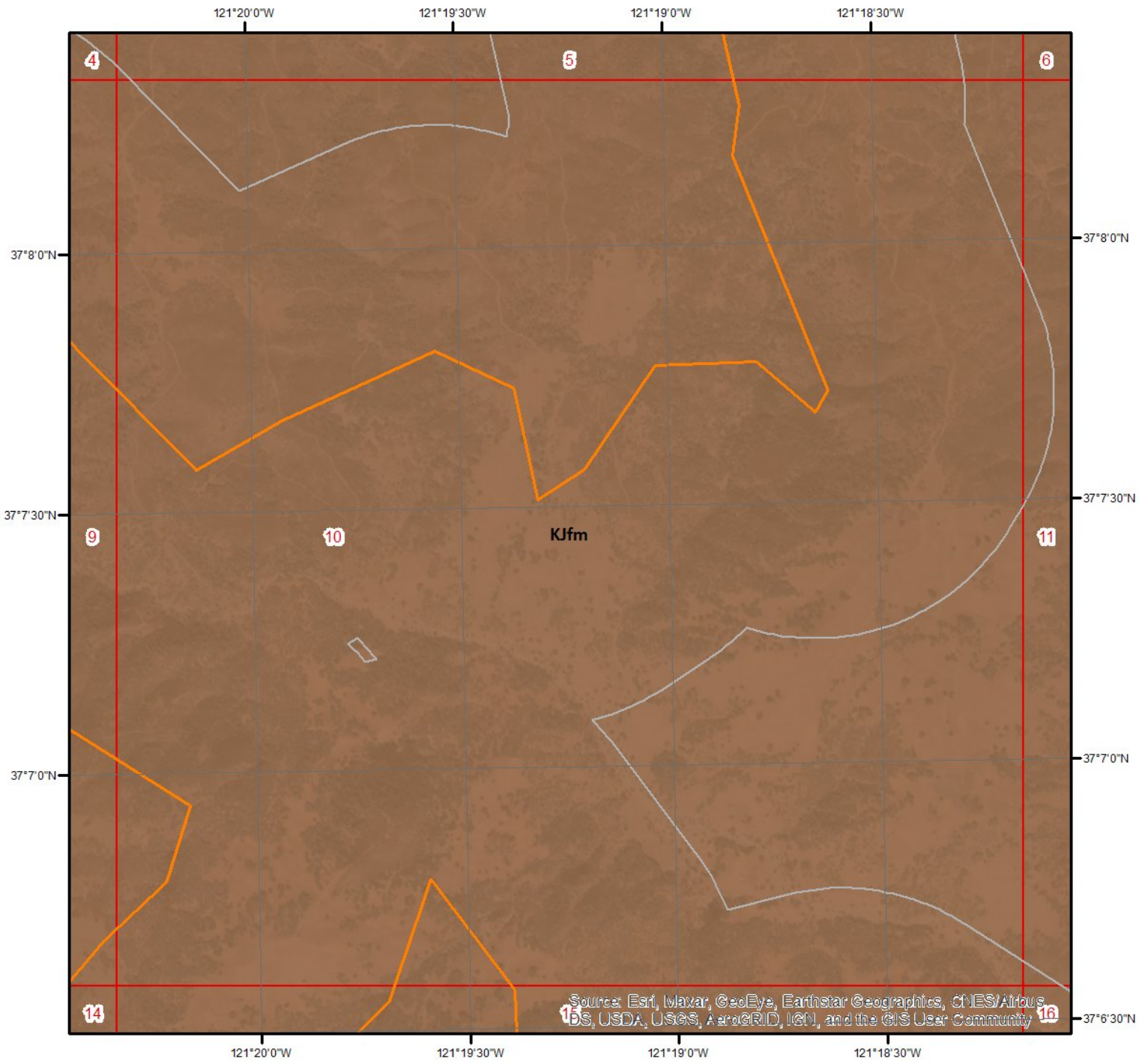
N

Geologic Units - Page 9

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information

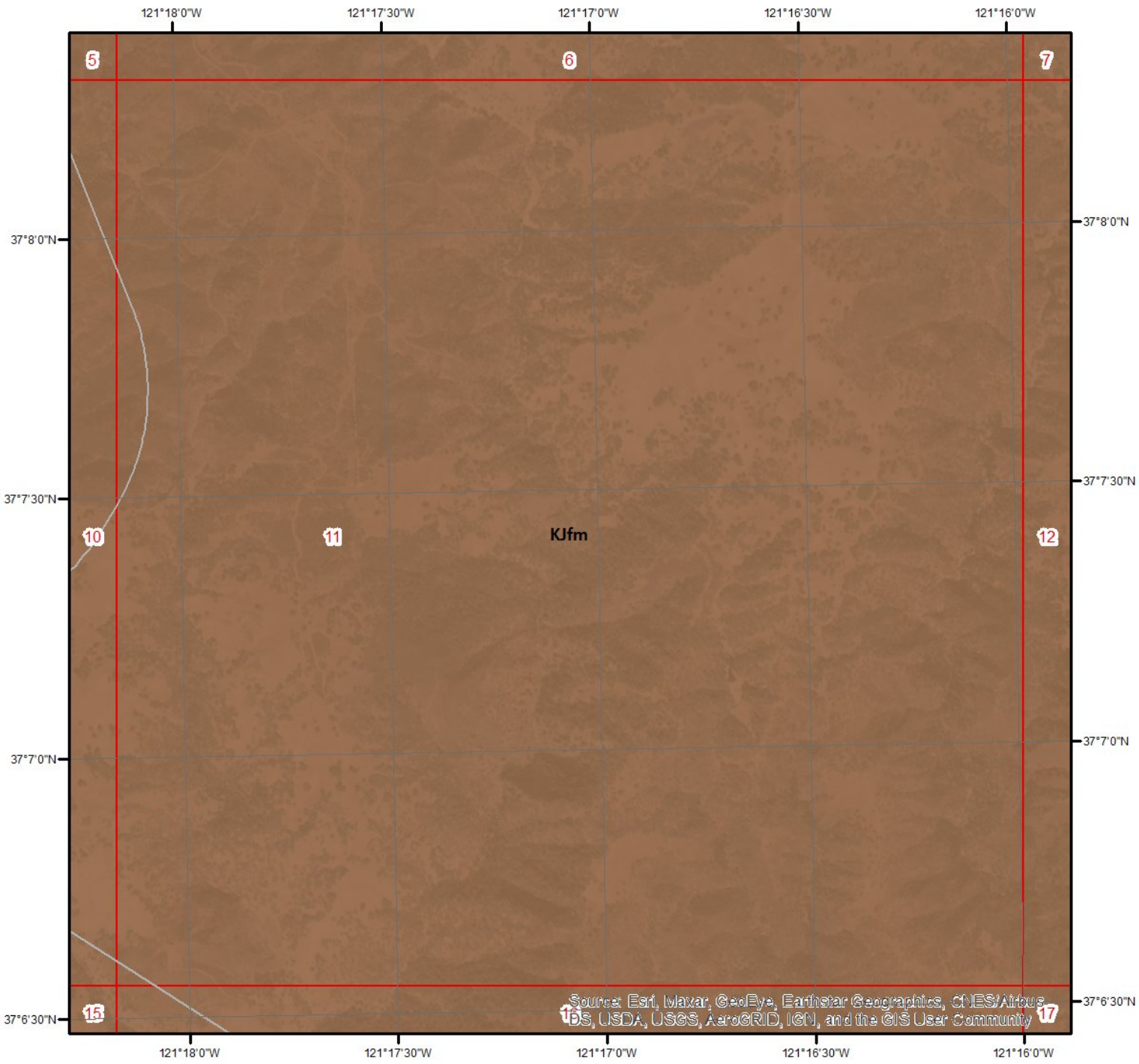


Geologic Units - Page 10

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Miles
0 0.2 0.4

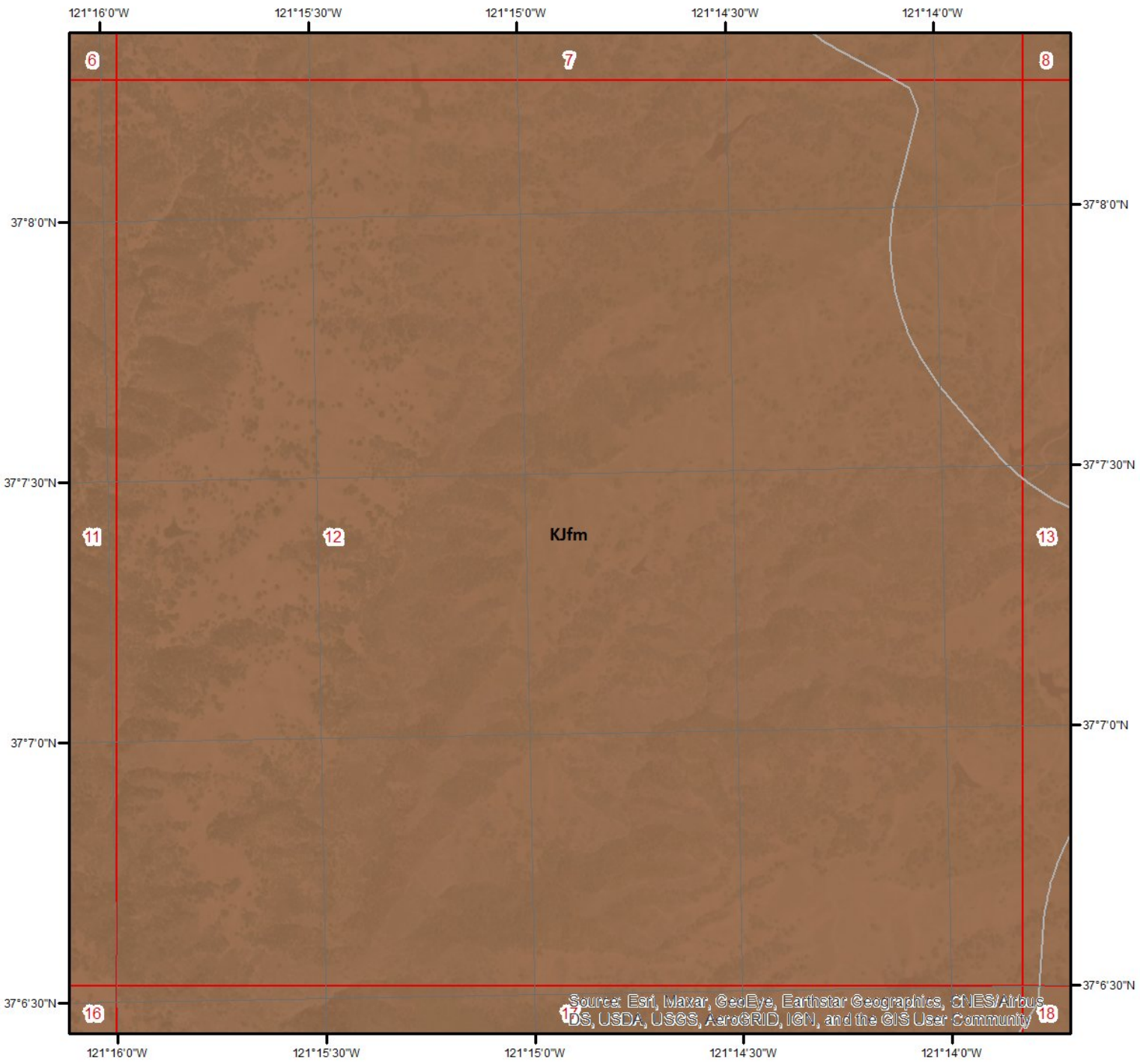
N

Geologic Units - Page 11

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Miles
0 0.2 0.4

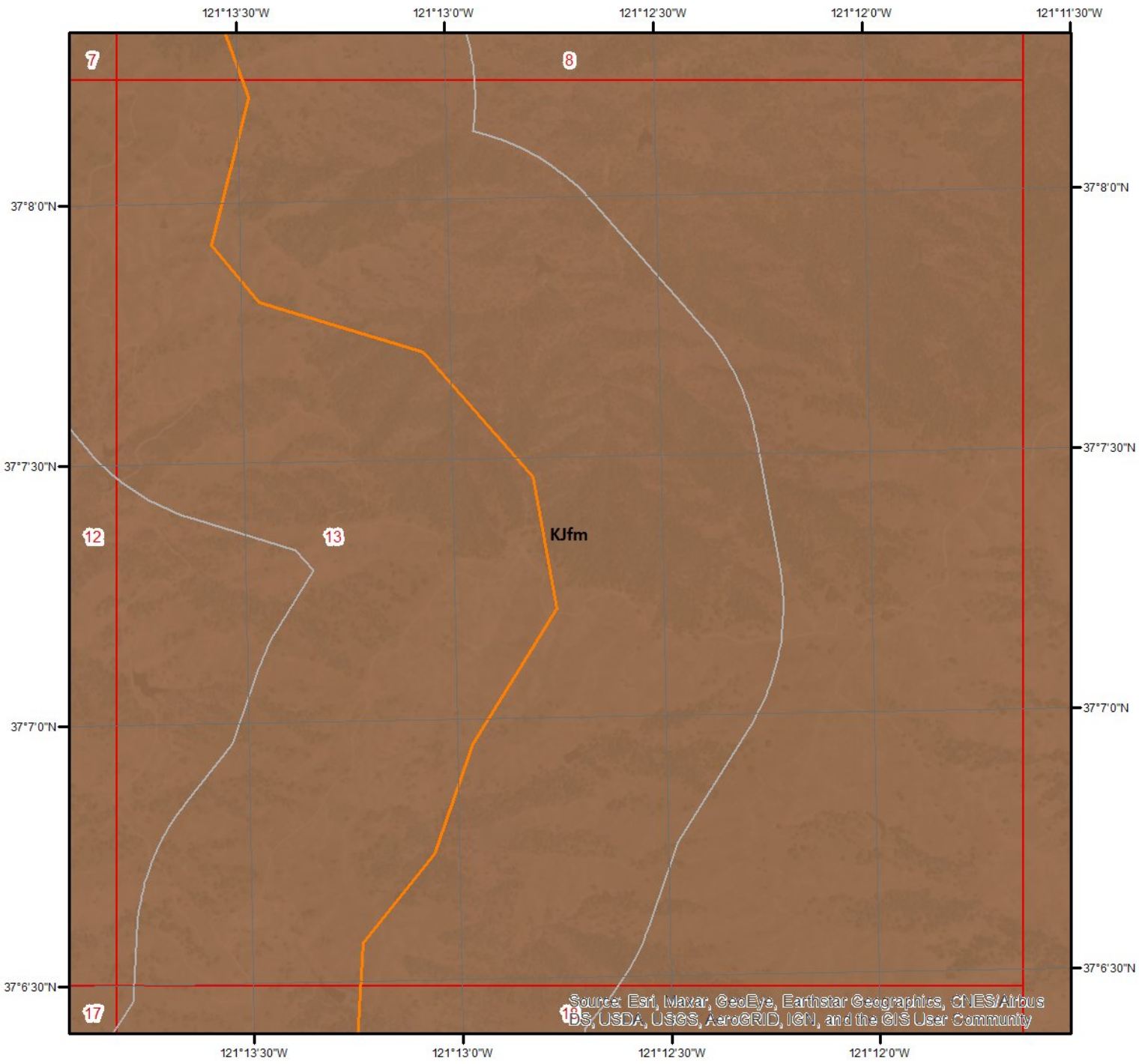
N

Geologic Units - Page 12

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Miles
0 0.2 0.4

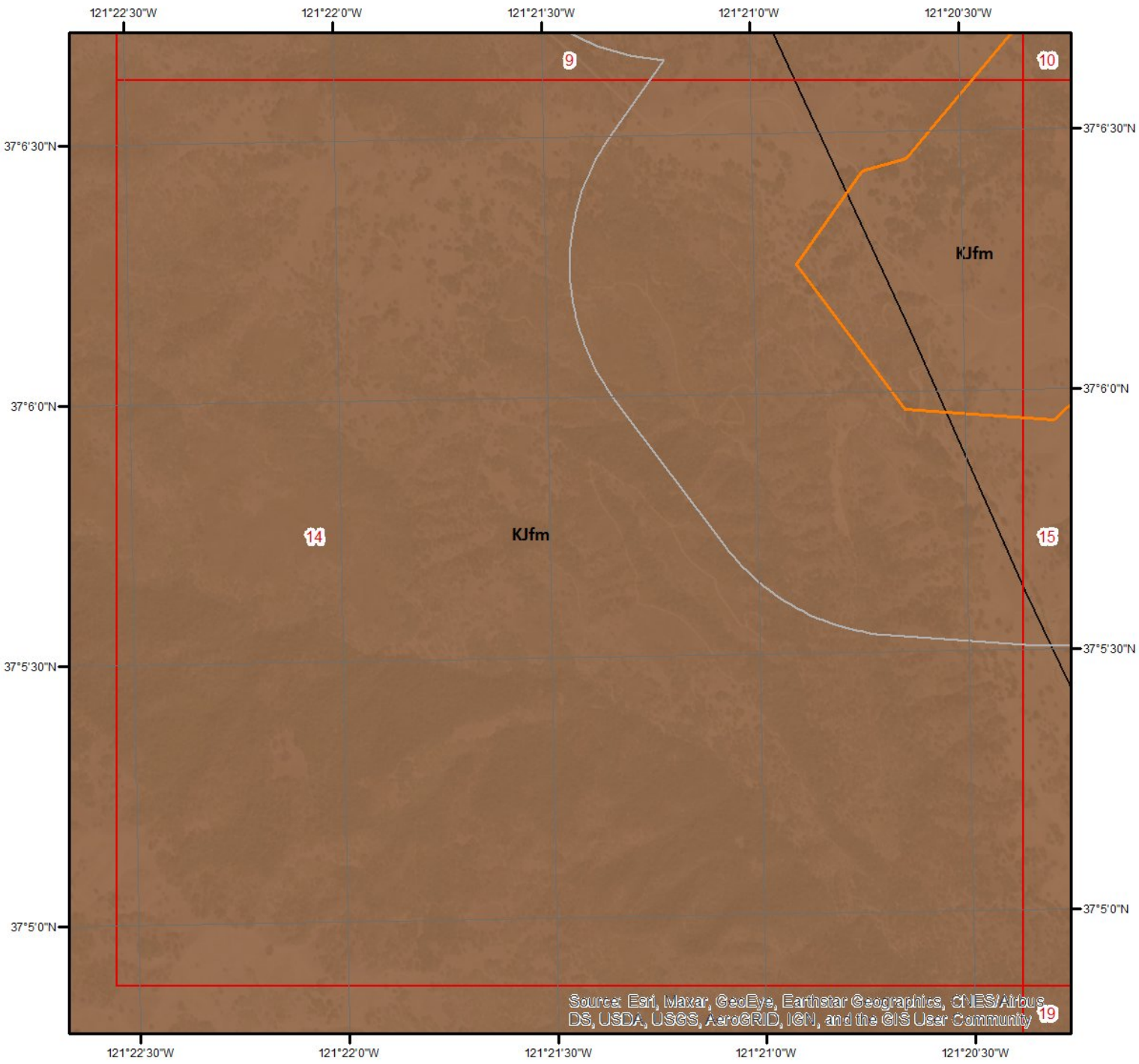
N

Geologic Units - Page 13

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information



Miles
0 0.2 0.4

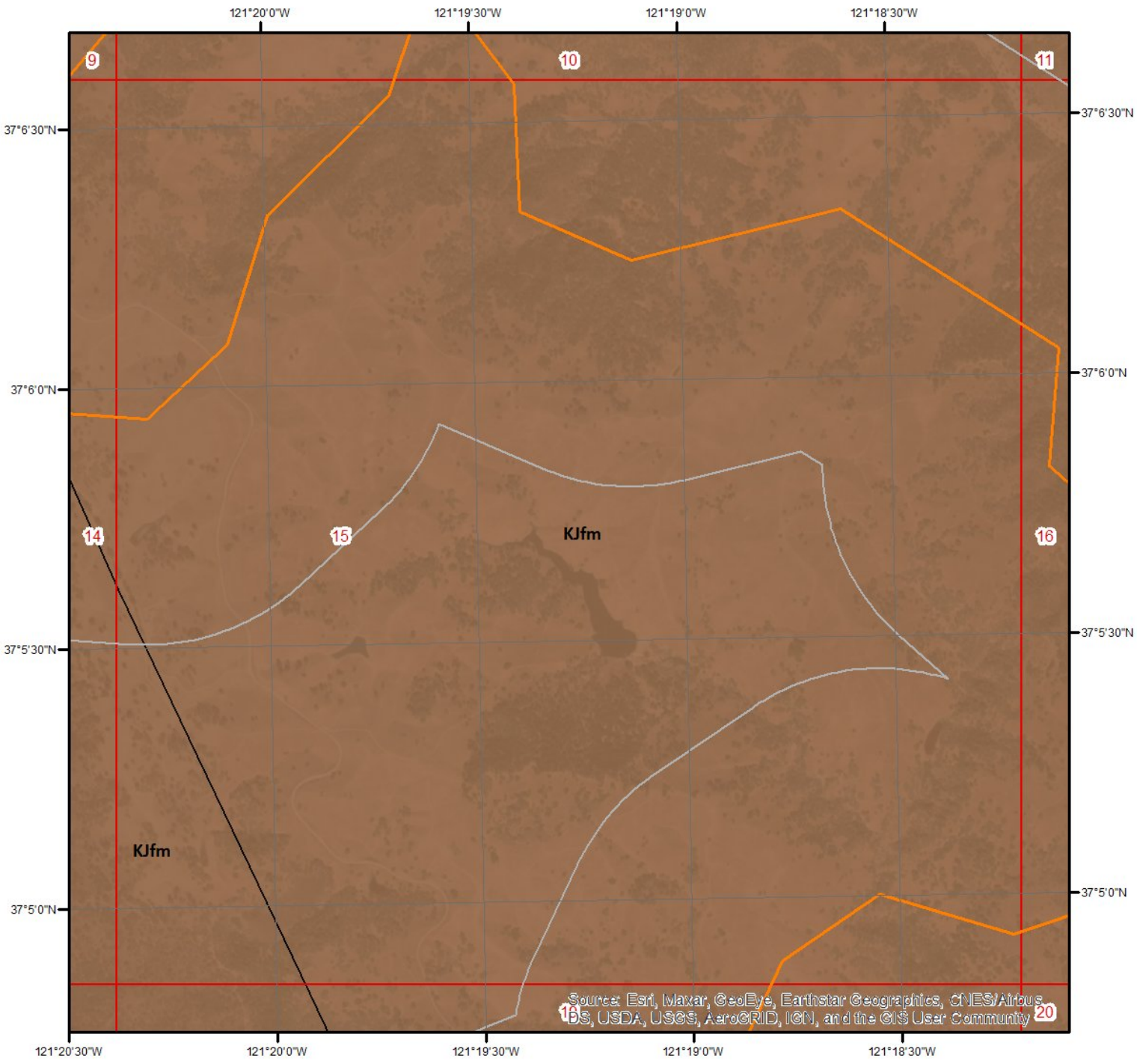
N

Geologic Units - Page 14

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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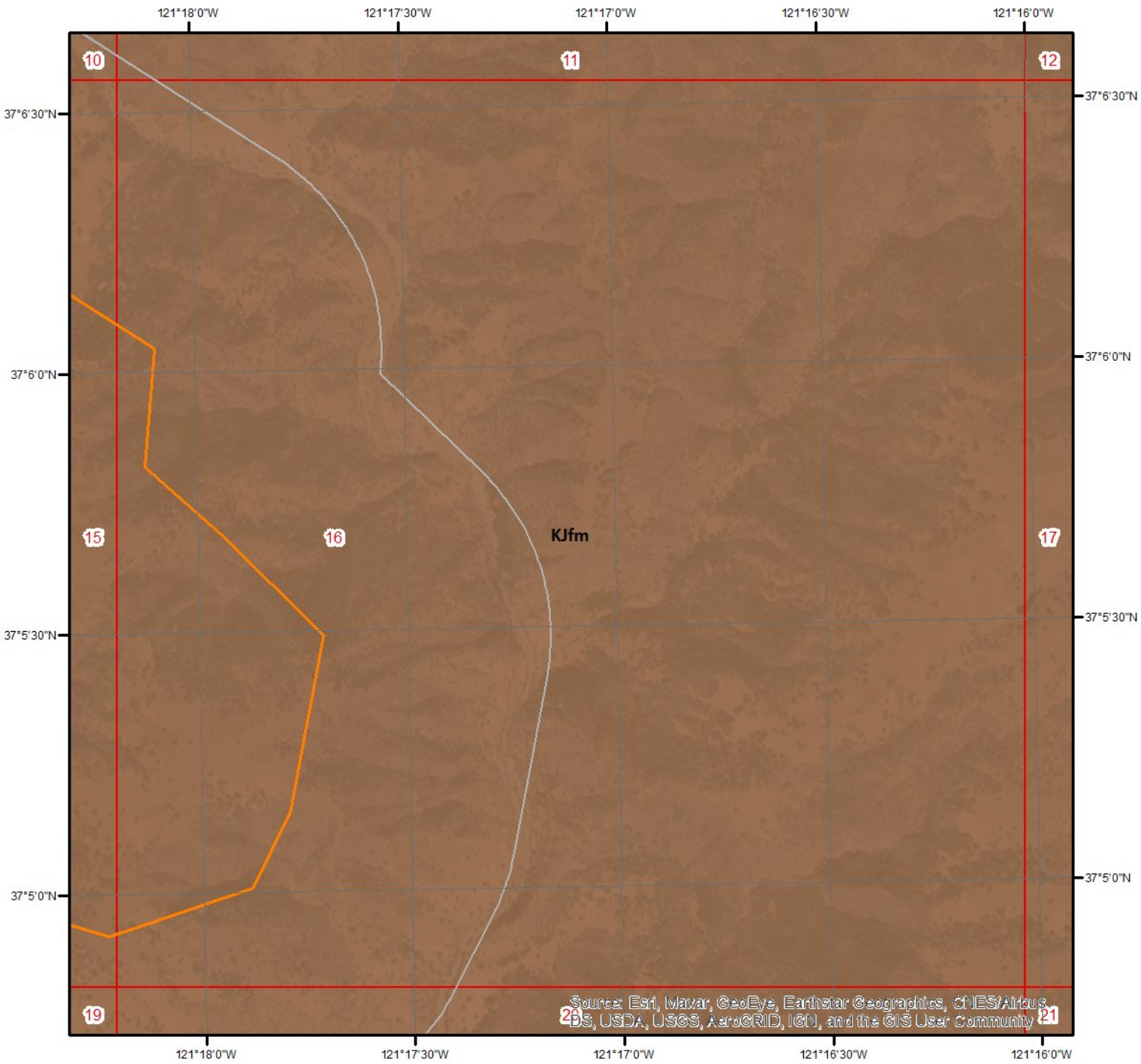


Geologic Units - Page 15

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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0 0.2 0.4 Miles

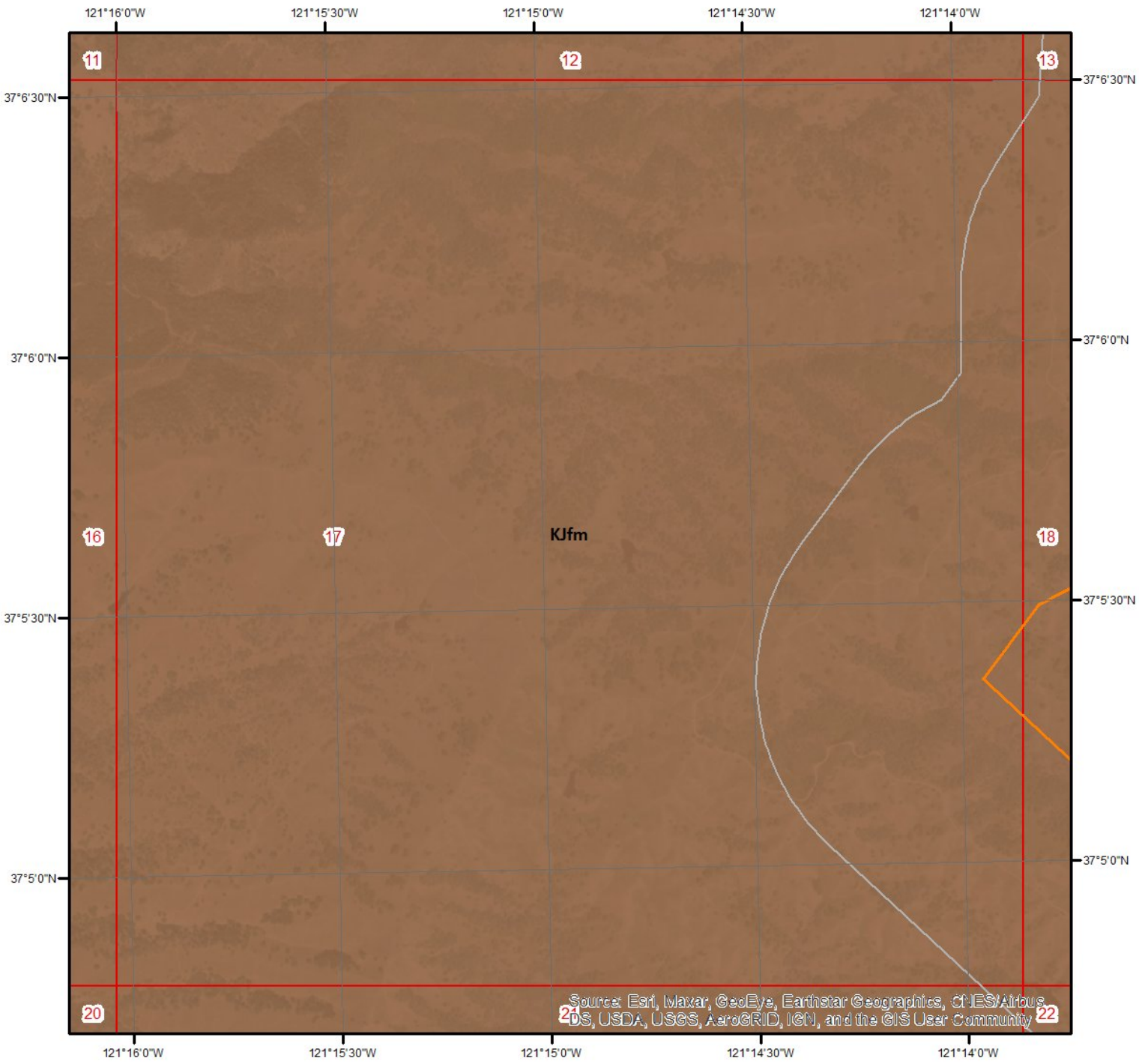
N

Geologic Units - Page 16

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information



Miles
0 0.2 0.4

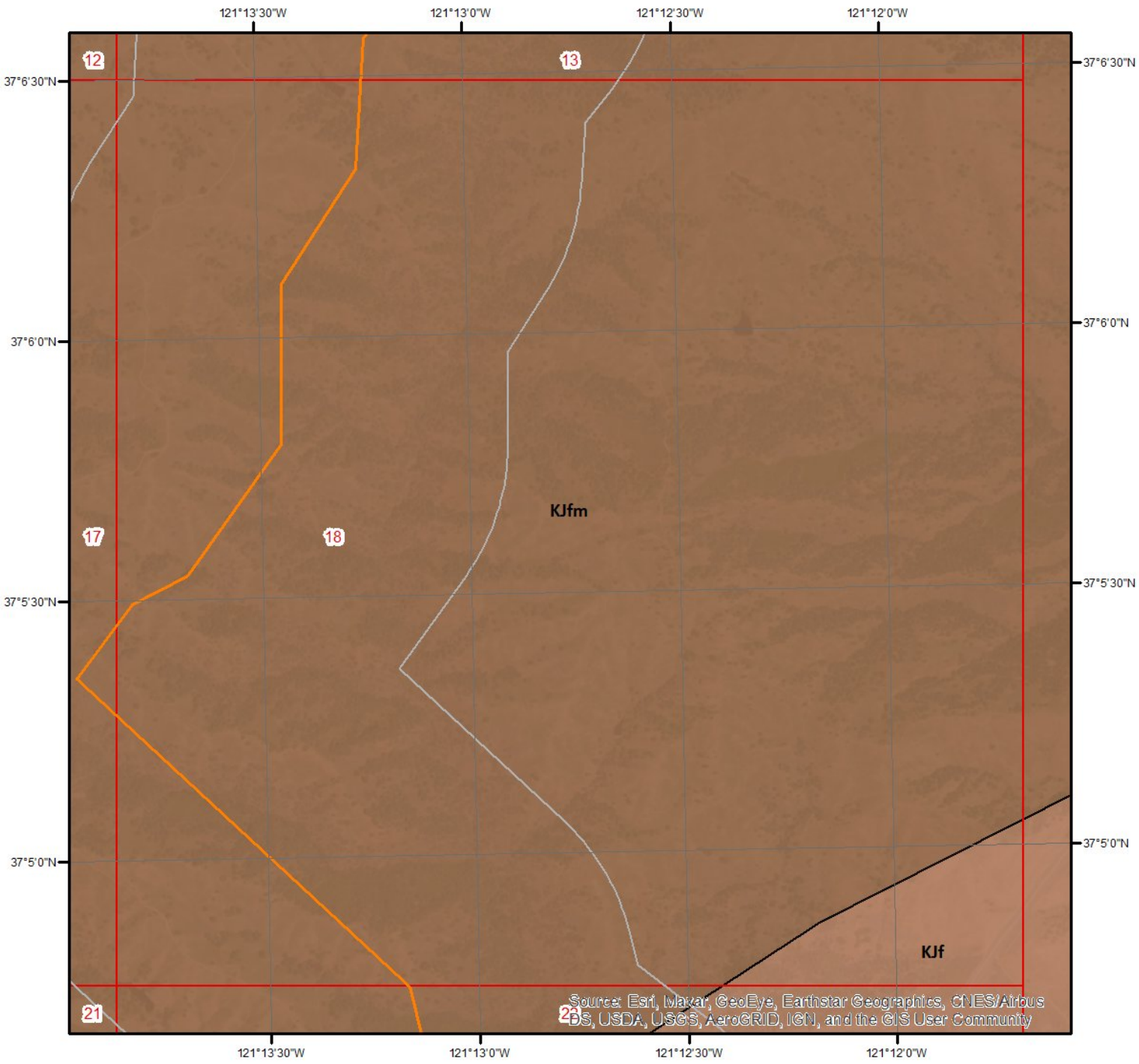
N

Geologic Units - Page 17

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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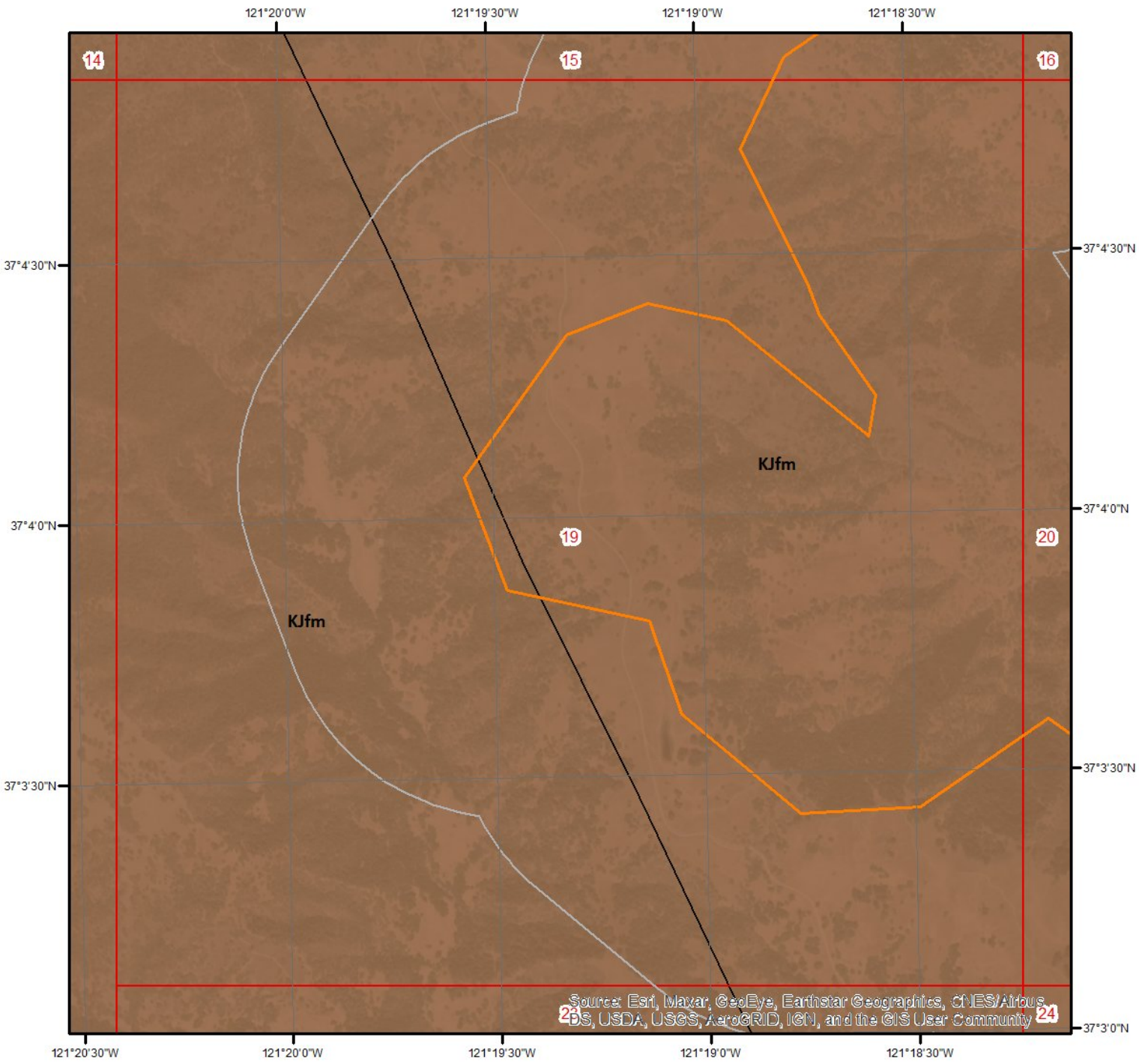


Geologic Units - Page 18

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Geologic Information



Miles
0 0.2 0.4

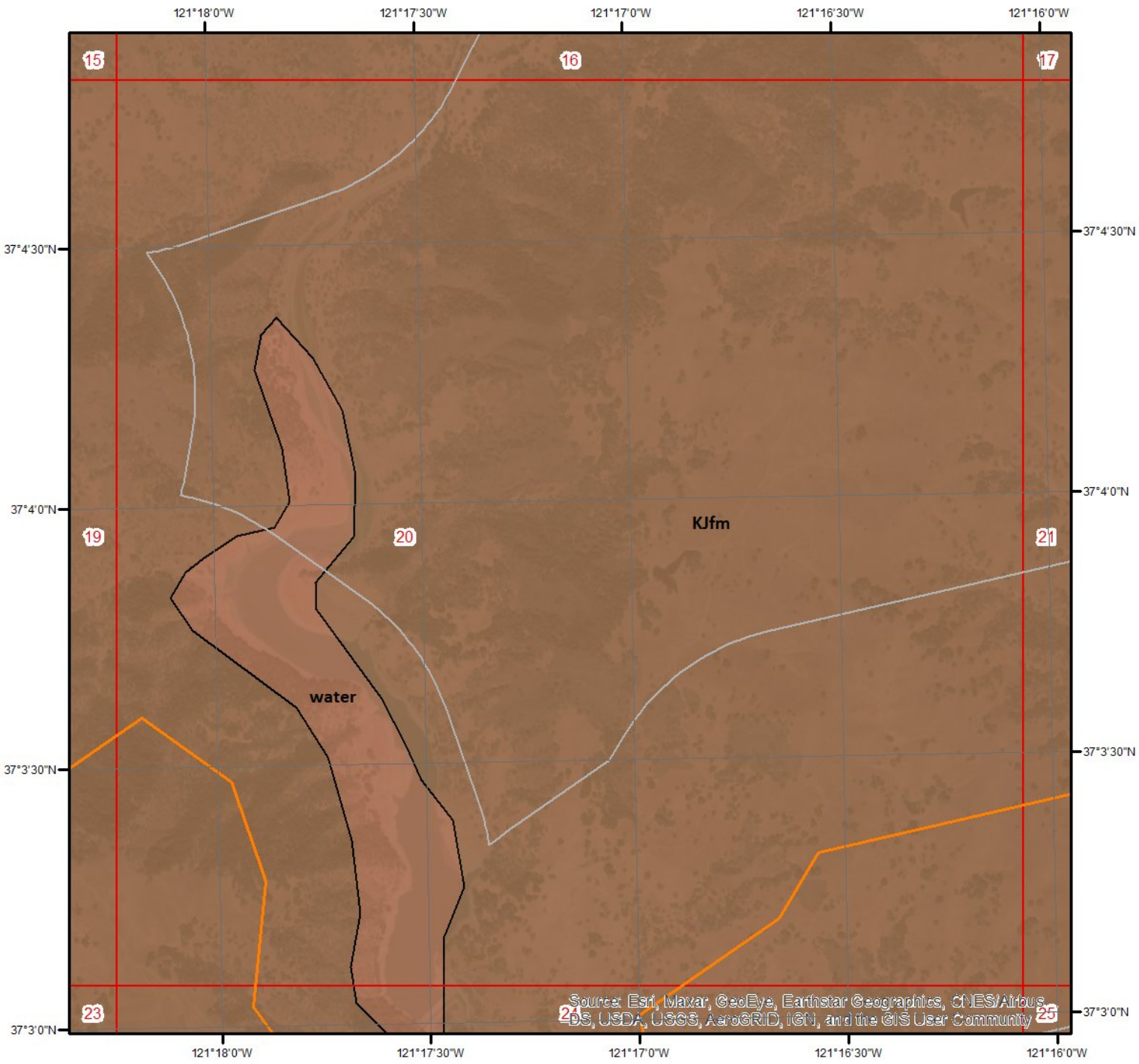
N

Geologic Units - Page 19

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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Miles

0 0.2 0.4

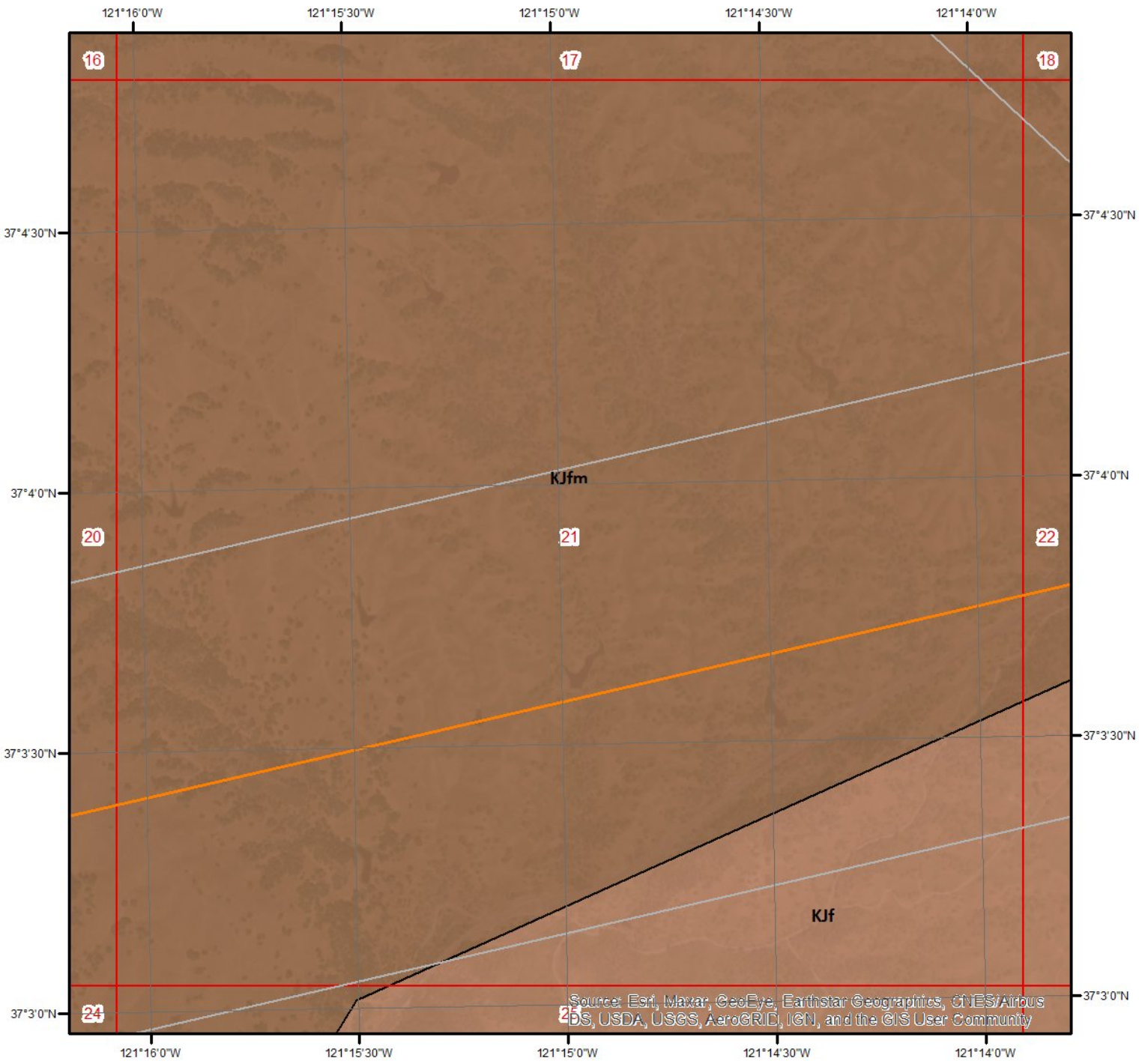
N

Geologic Units - Page 20

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Geologic Information



Miles
0 0.2 0.4

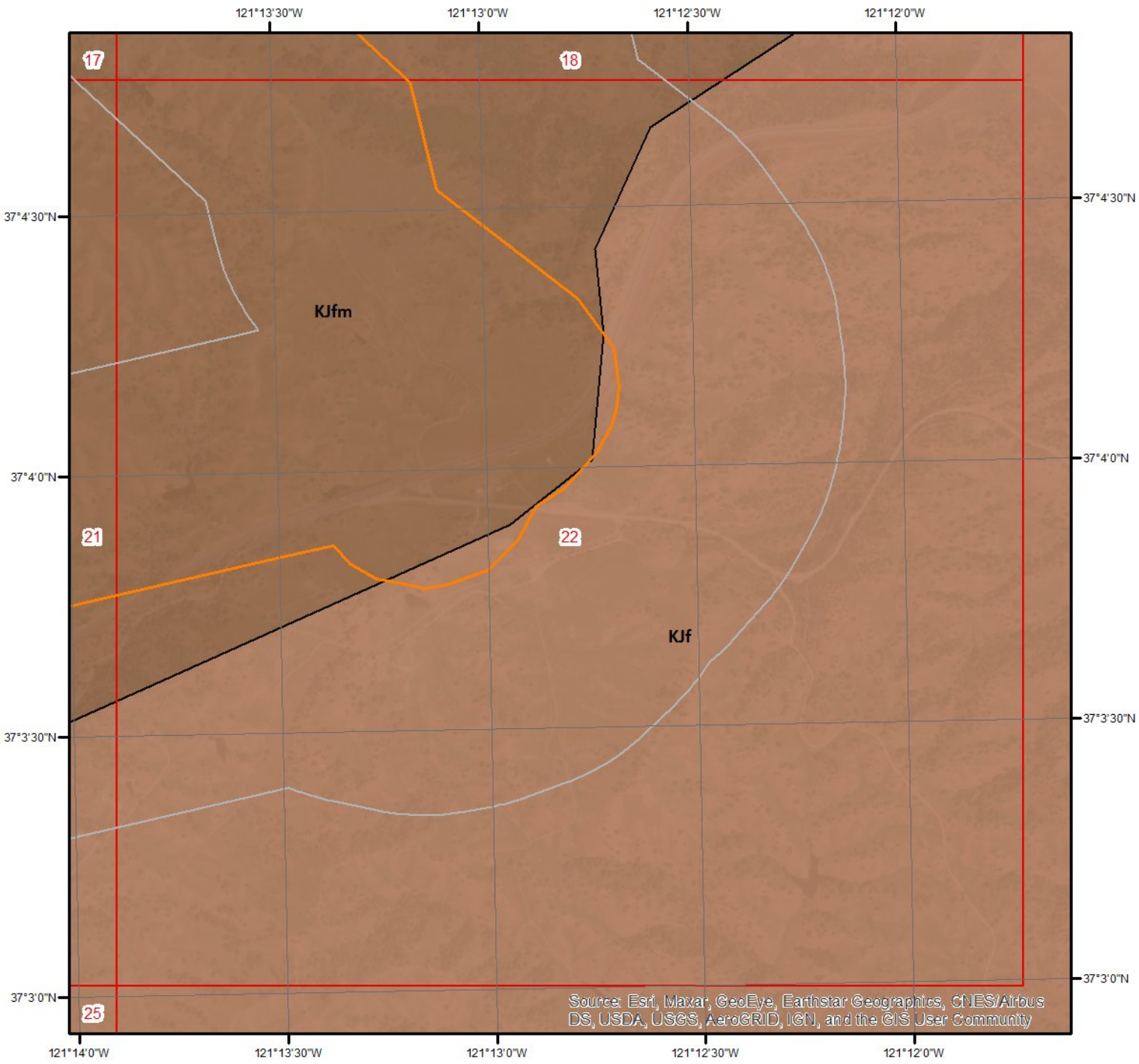
N

Geologic Units - Page 21

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Geologic Information



0 0.2 0.4 Miles

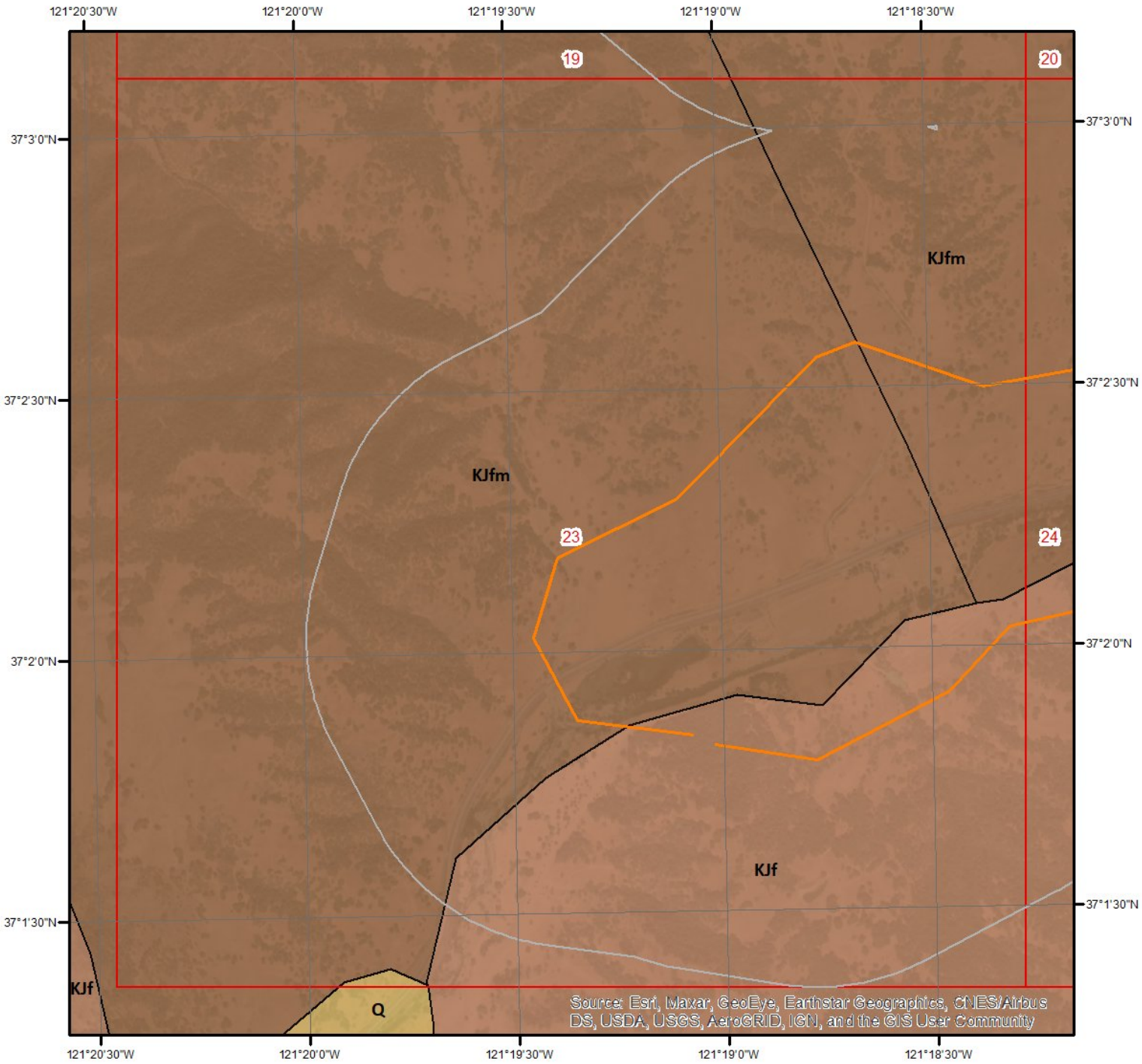
N

Geologic Units - Page 22

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Geologic Information



Miles
0 0.2 0.4

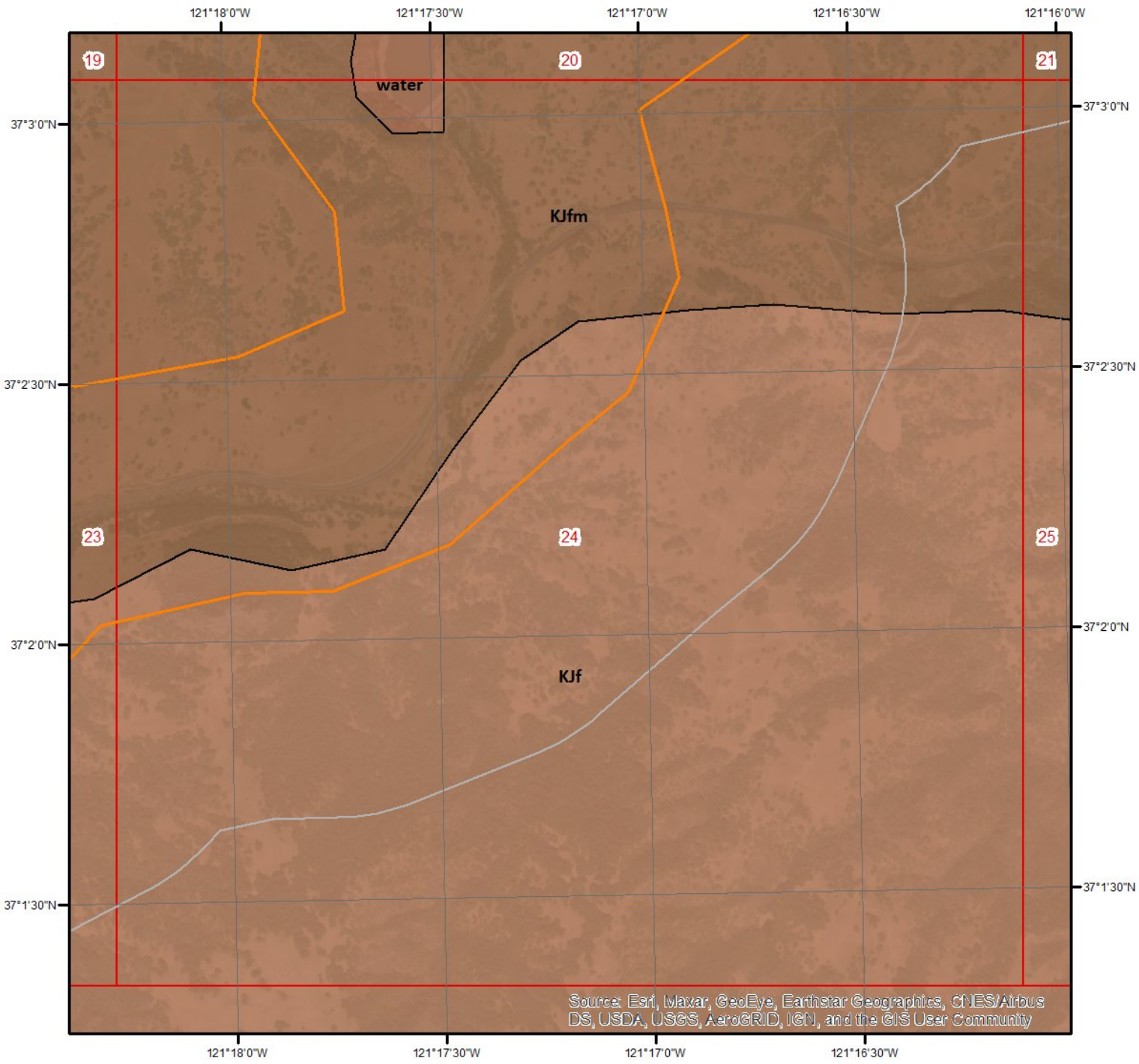
N

Geologic Units - Page 23

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Geologic Information



Miles
0 0.2 0.4

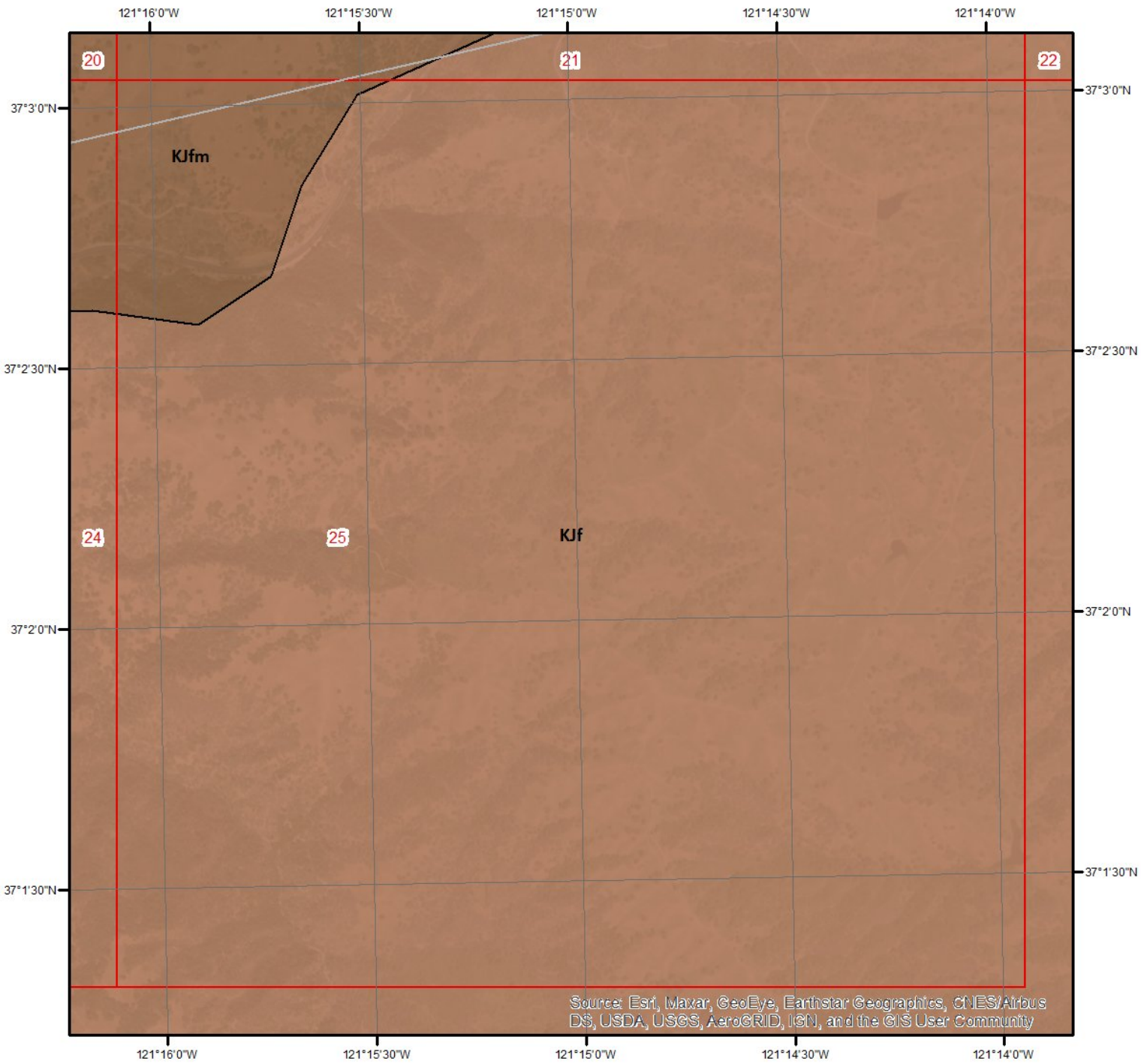
N

Geologic Units - Page 24

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Geologic Information



Miles
0 0.2 0.4

N

Geologic Units - Page 25

This maps shows geologic units in the area. Please refer to the report for detailed descriptions.

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ENVIRONMENTAL RISK INFORMATION SERVICES

Geologic Information

The previous page shows USGS geology information. Detailed information about each unit is provided below.

Geologic Unit KJfm

Unit Name:	Franciscan melange
Unit Age:	Jurassic to Cretaceous
Primary Rock Type:	melange
Secondary Rock Type:	
Unit Description:	Melange of fragmented and sheared Franciscan complex rocks.

Geologic Unit KJfm

Unit Name:	Franciscan melange
Unit Age:	Jurassic to Cretaceous
Primary Rock Type:	melange
Secondary Rock Type:	
Unit Description:	Melange of fragmented and sheared Franciscan complex rocks.

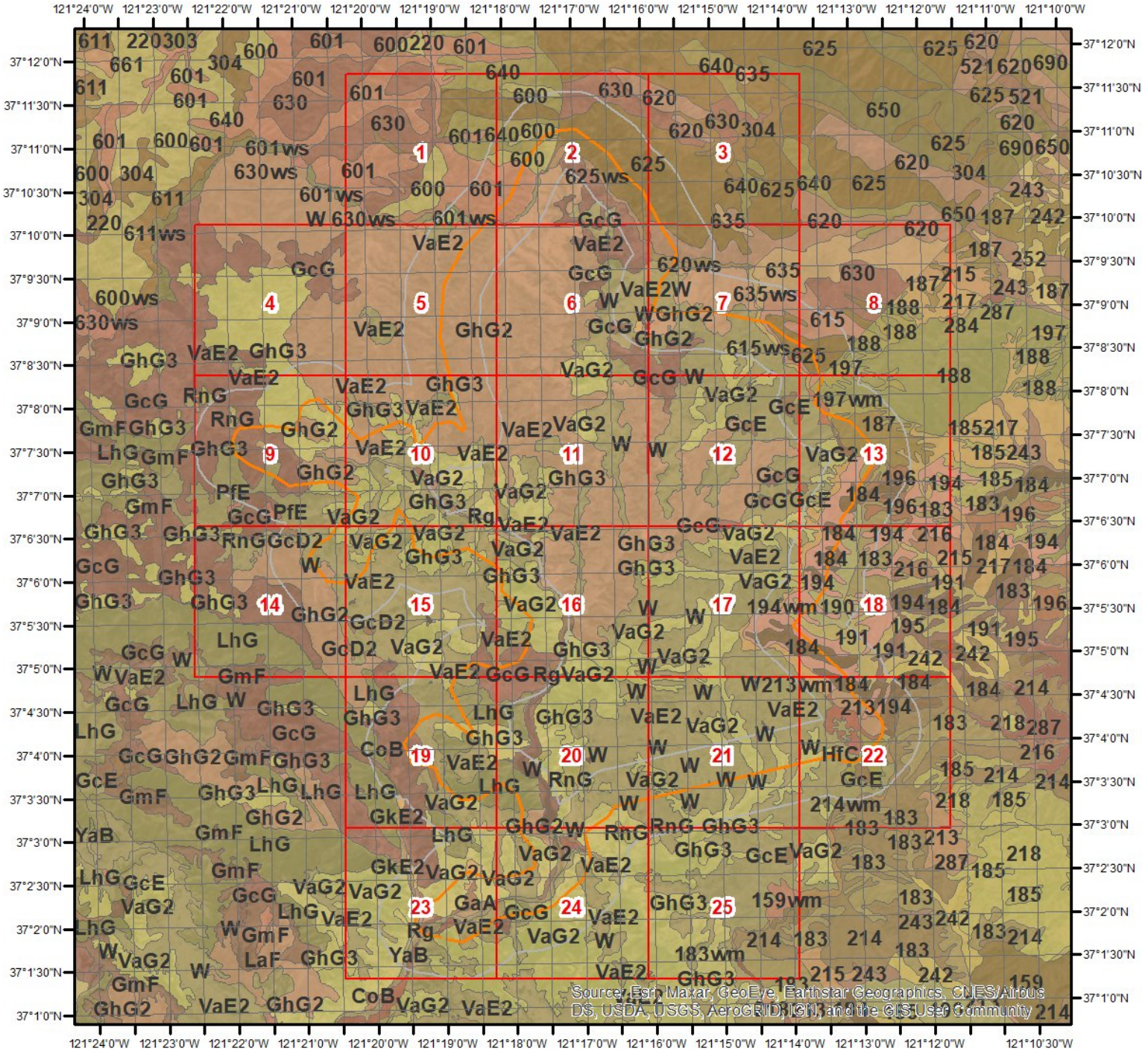
Geologic Unit KJf

Unit Name:	Franciscan Complex, unit 1 (Coast Ranges)
Unit Age:	Jurassic to Cretaceous
Primary Rock Type:	sandstone
Secondary Rock Type:	mudstone
Unit Description:	Franciscan complex: Cretaceous and Jurassic sandstone with smaller amounts of shale, chert, limestone, and conglomerate. Includes Franciscan melange, except where separated--see KJfm.

Geologic Unit water

Unit Name:	water
Unit Age:	Holocene
Primary Rock Type:	water
Secondary Rock Type:	
Unit Description:	water

Soil Information



SSURGO Soils

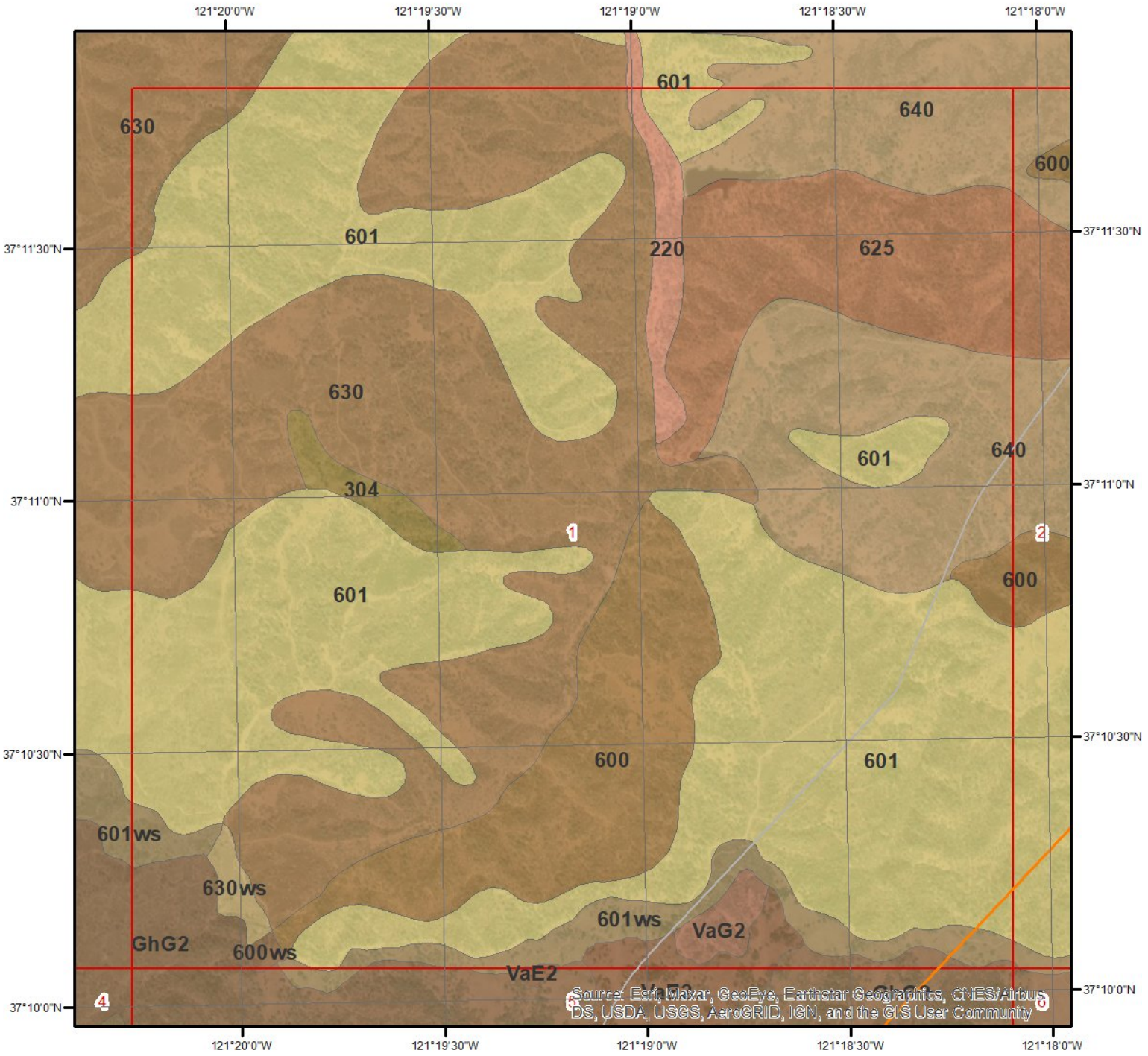
Miles
0 0.2 0.4 0.8 1.2 1.6 2 2.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 1

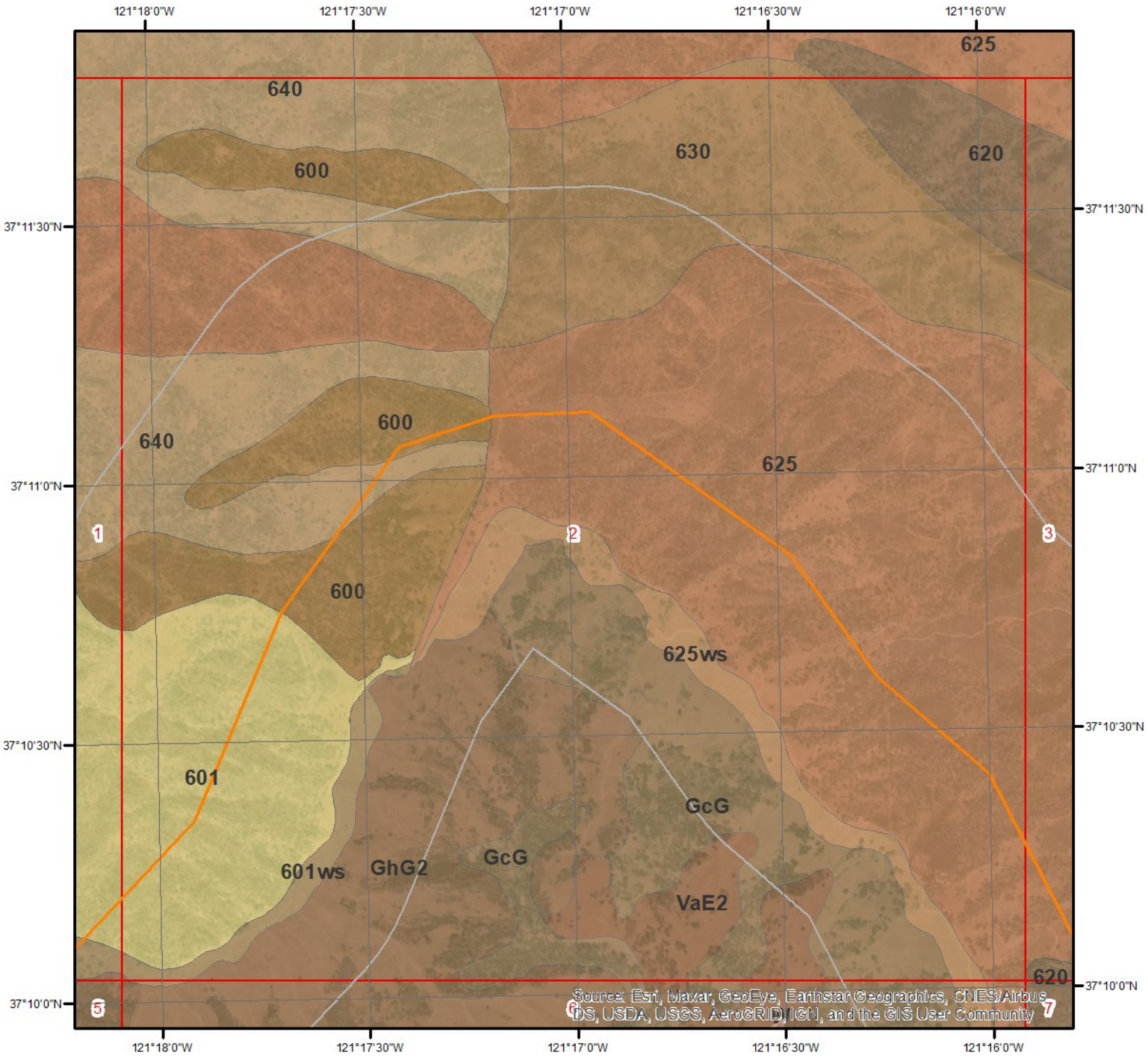
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 2

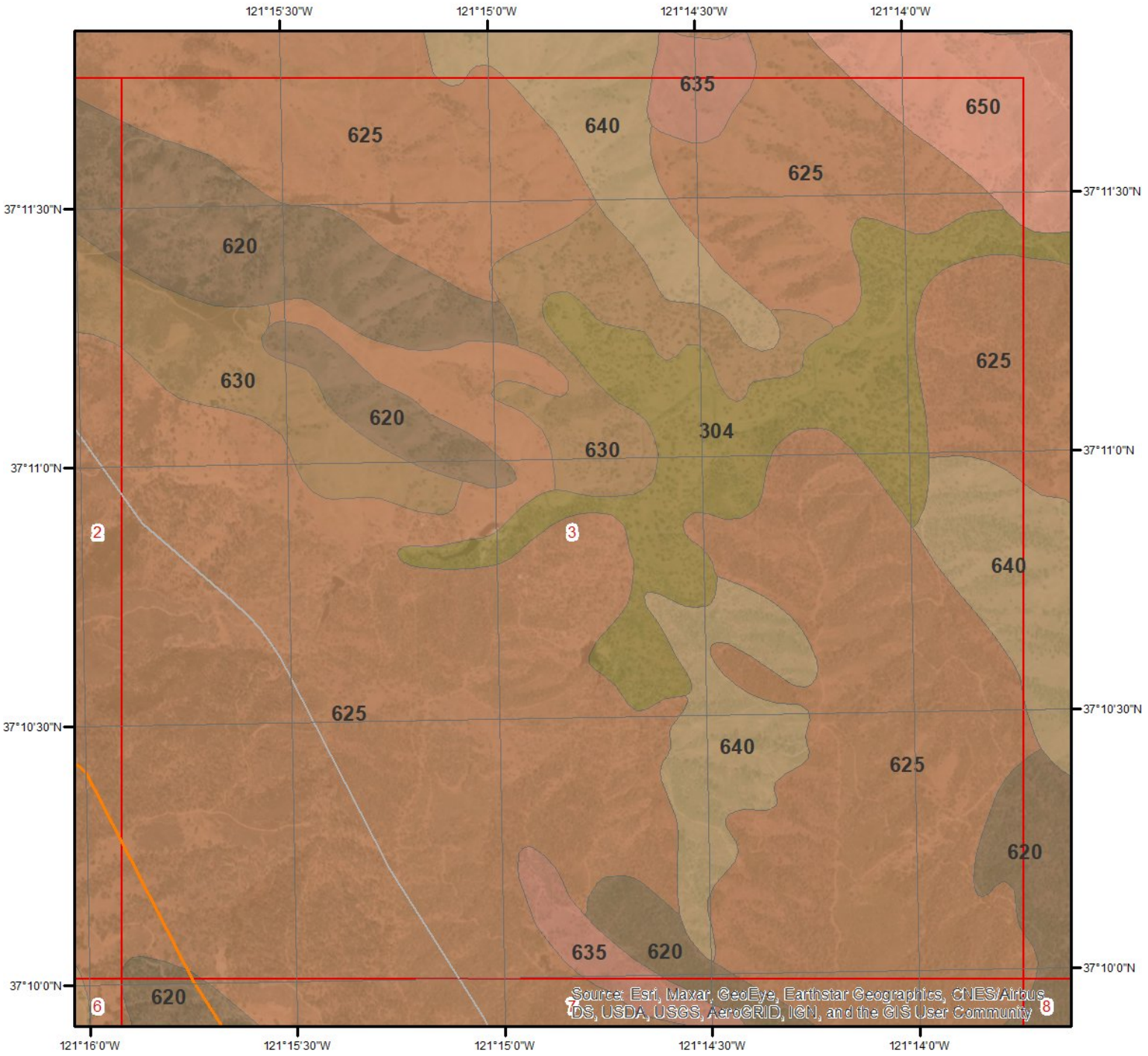
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 3

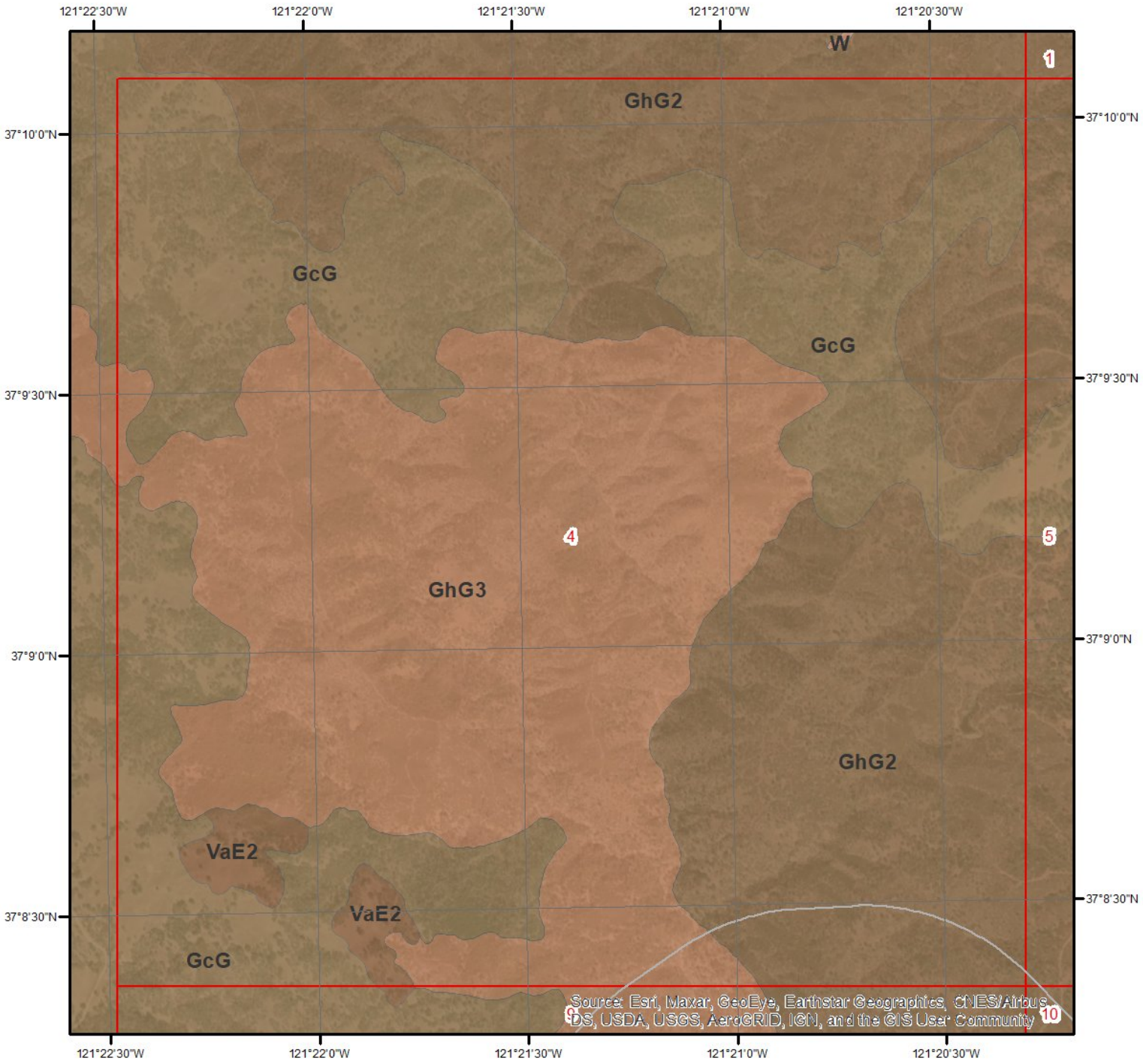
0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 4

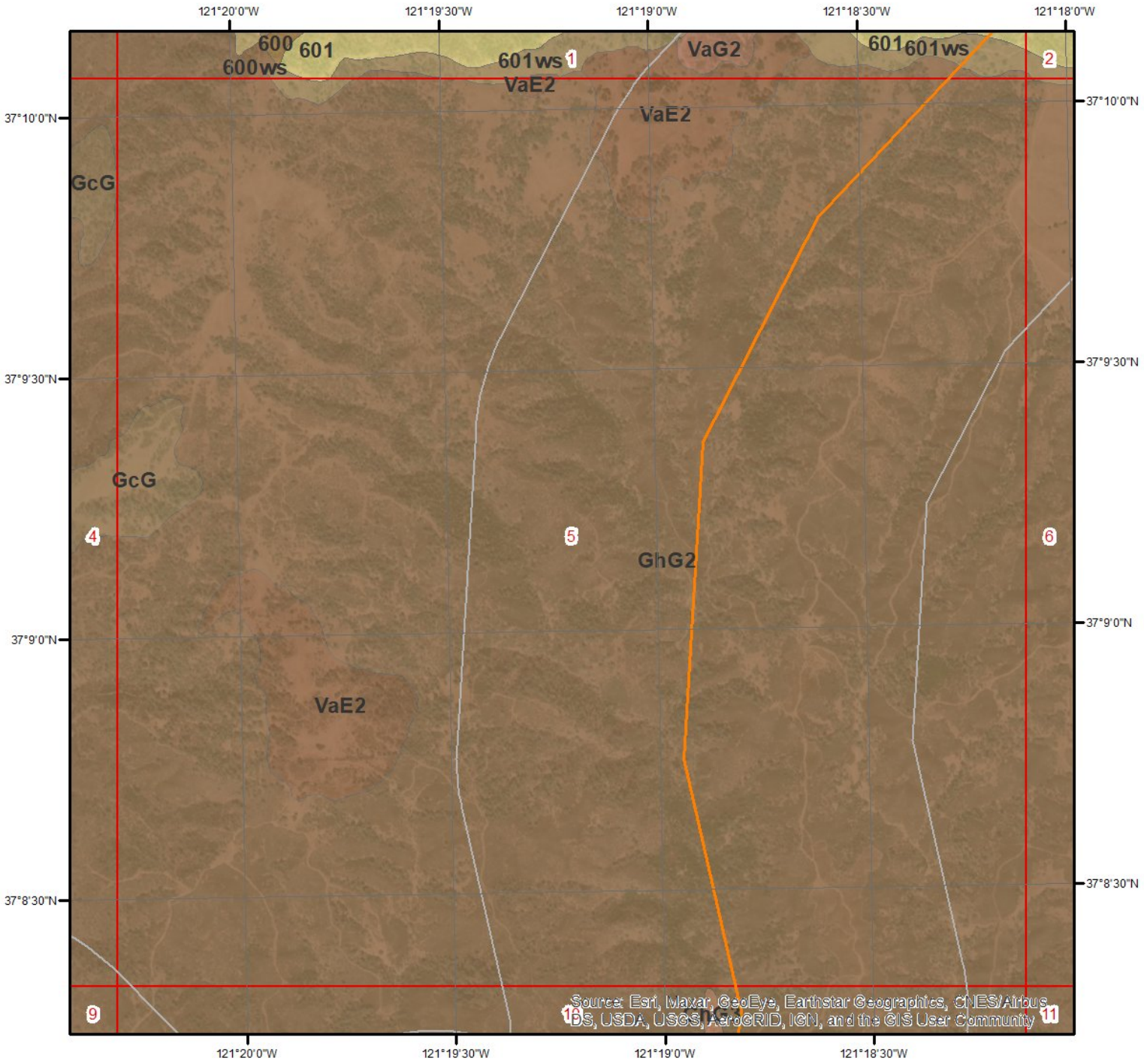
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 5

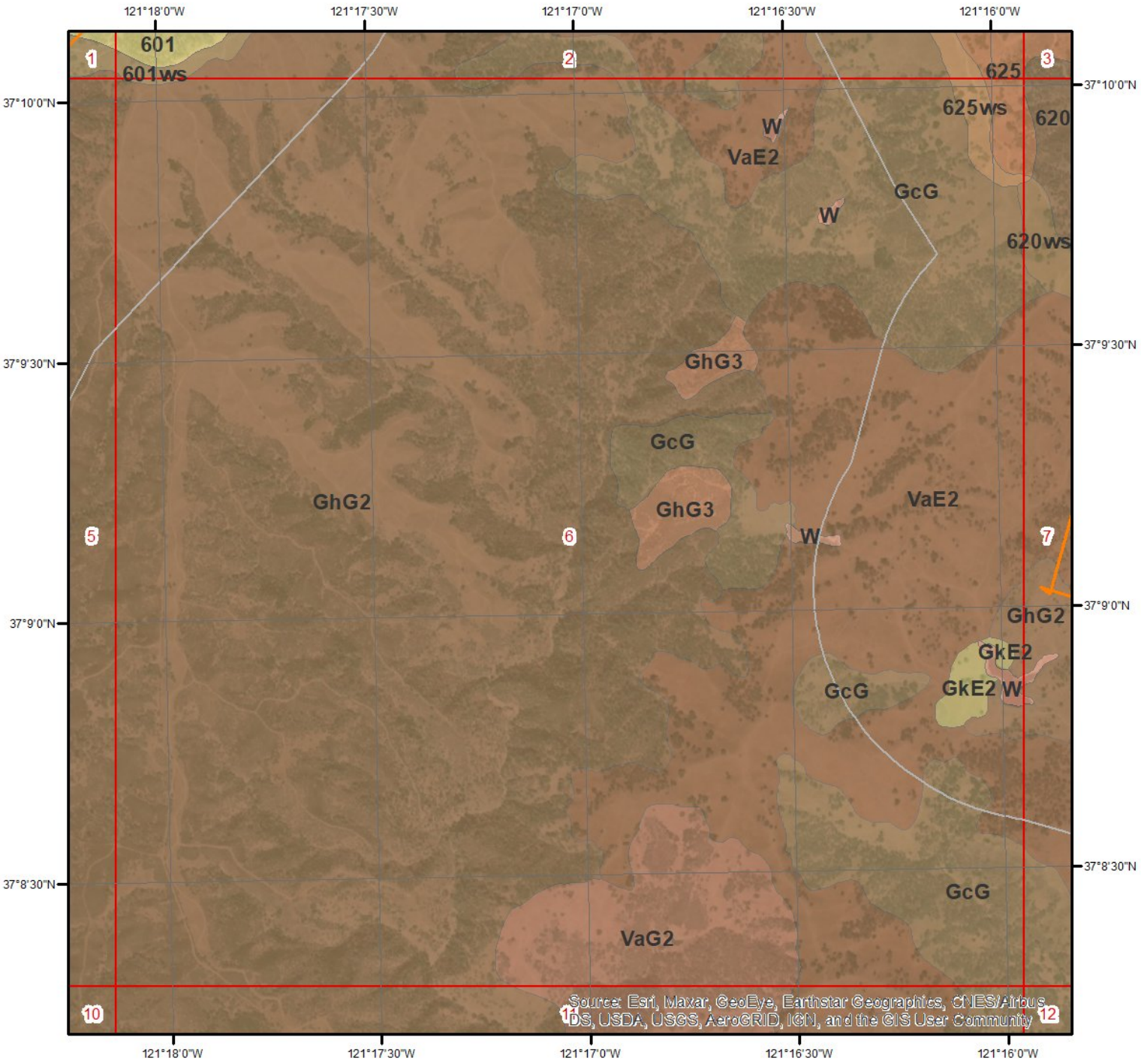
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 6

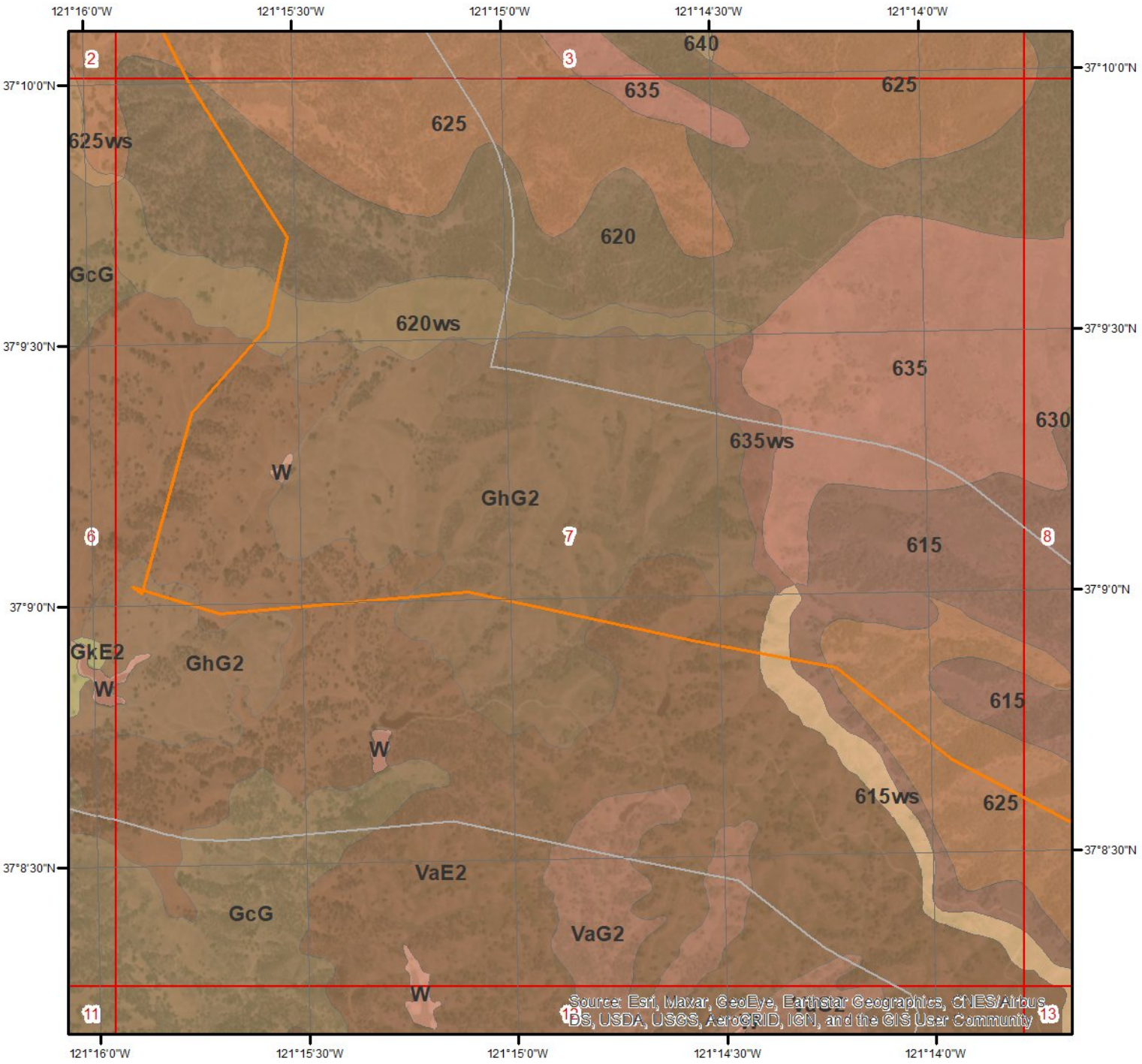
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 7

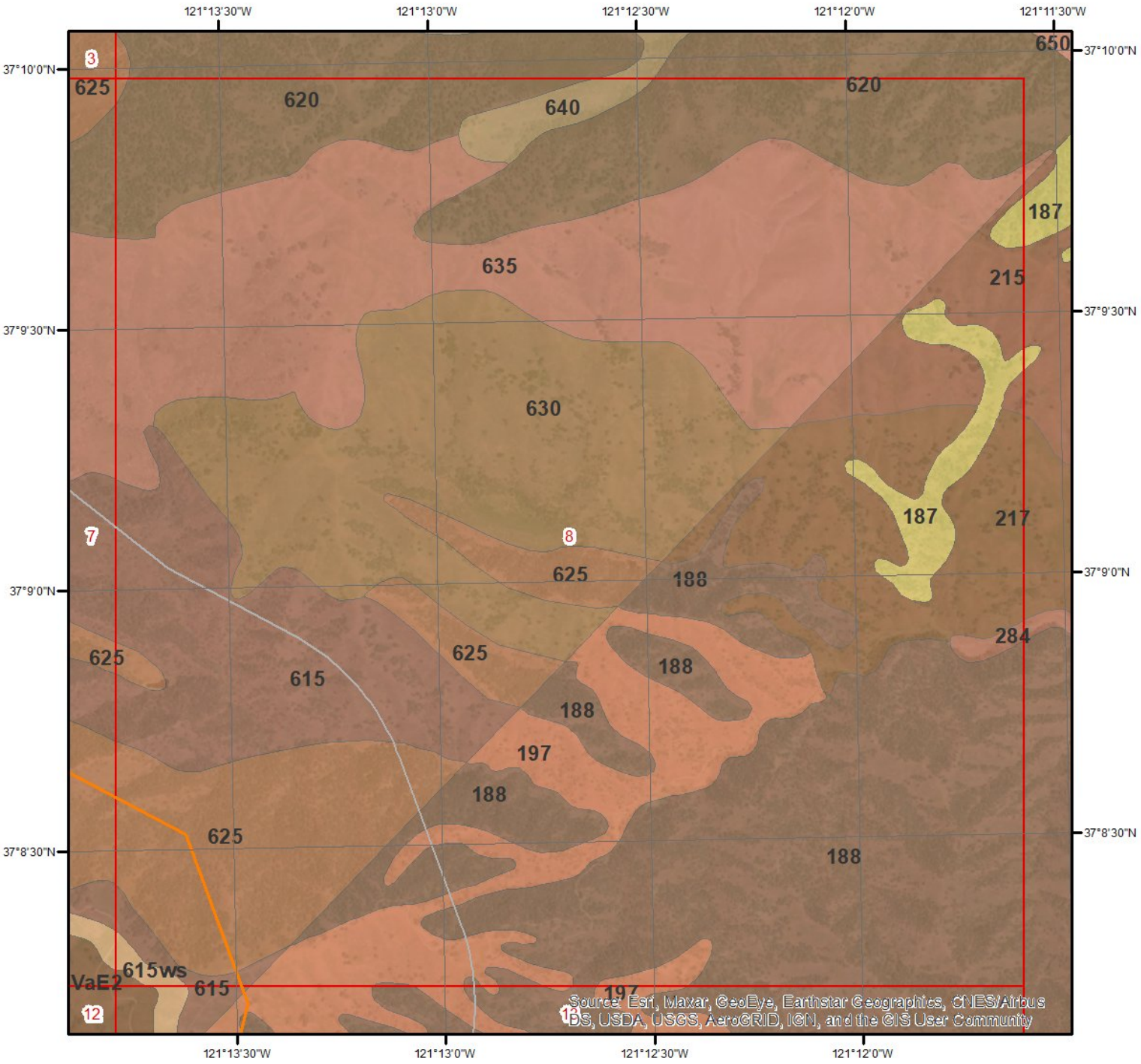
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 8

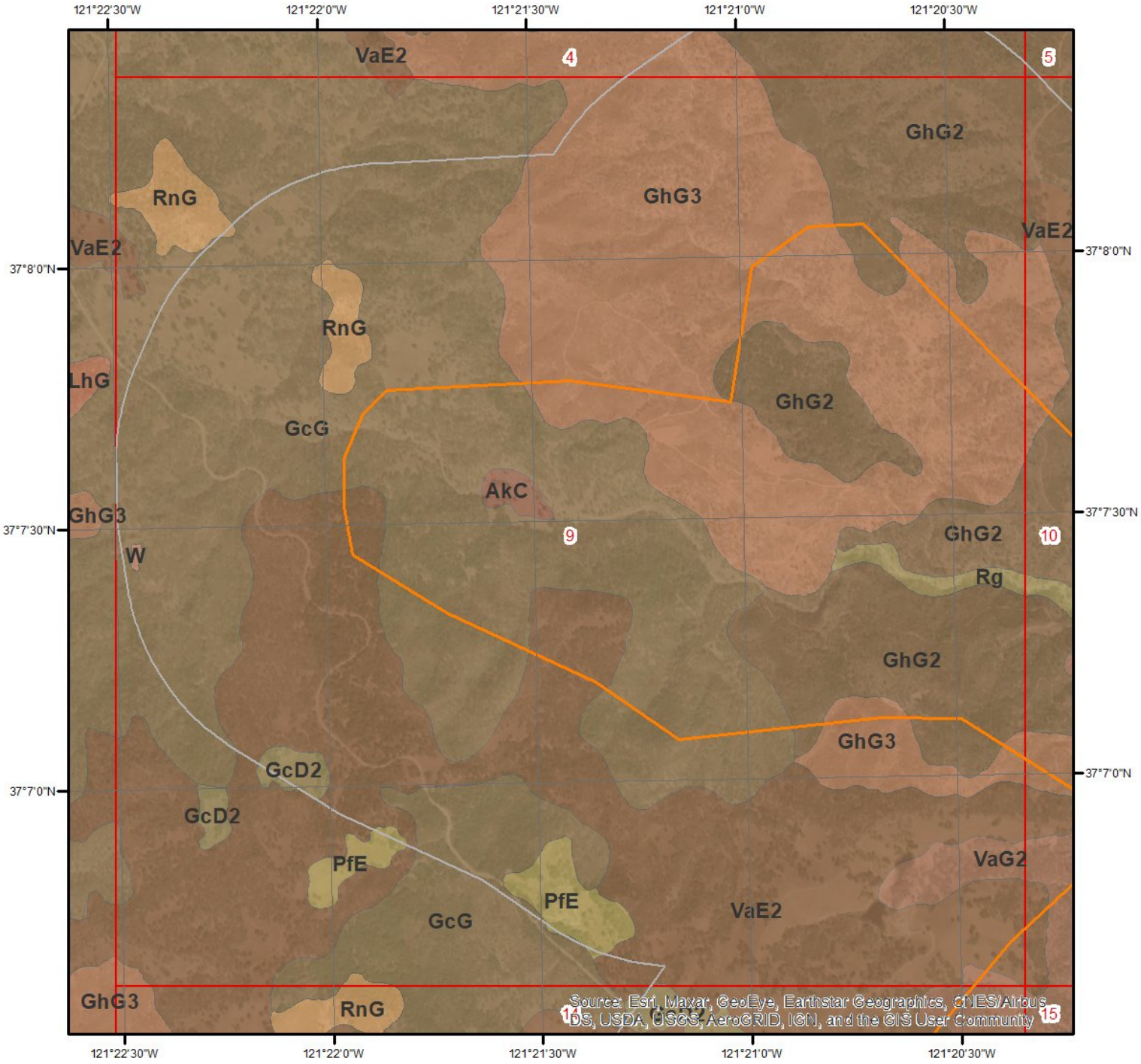
0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 9

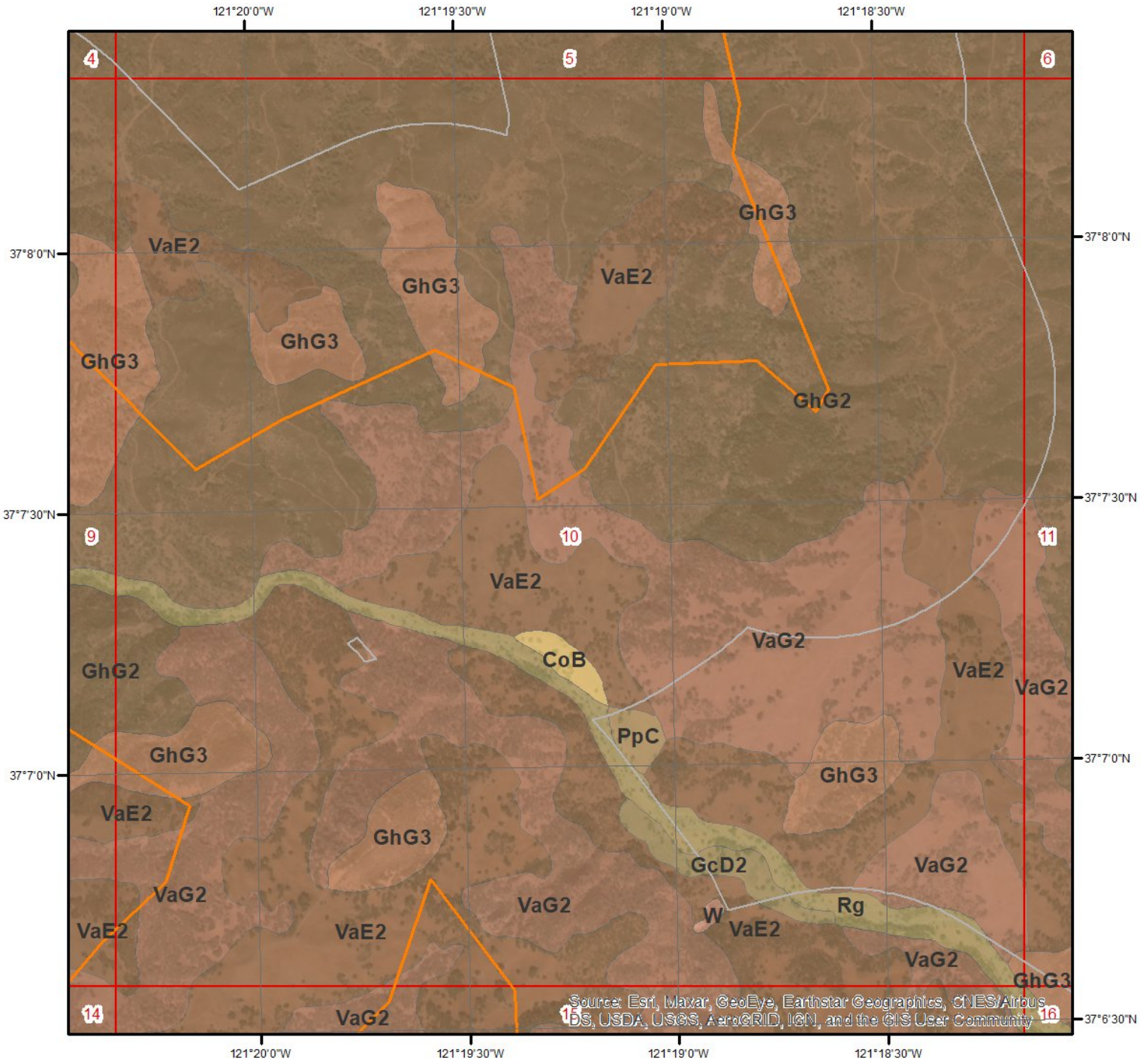
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 10

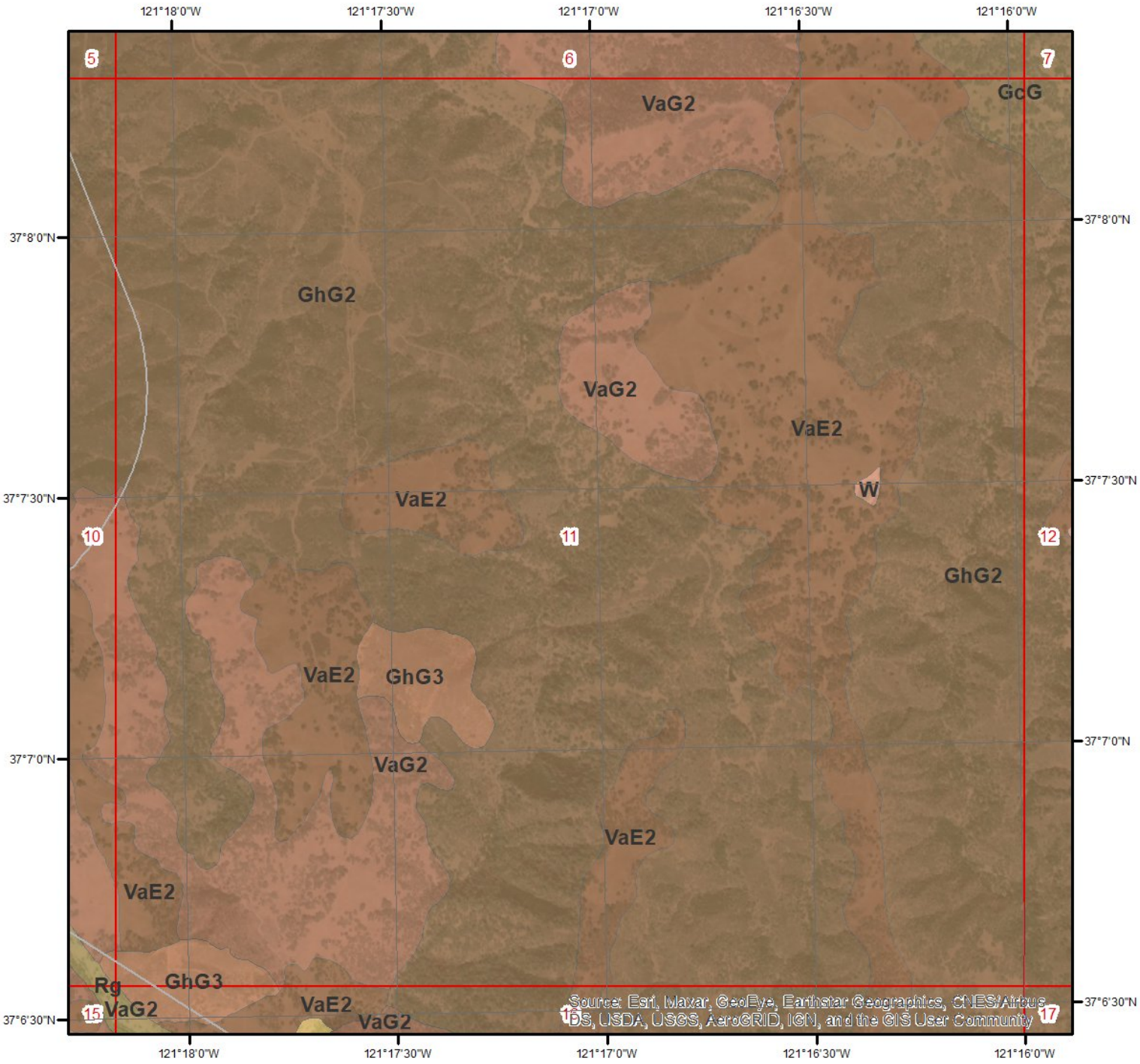
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 11

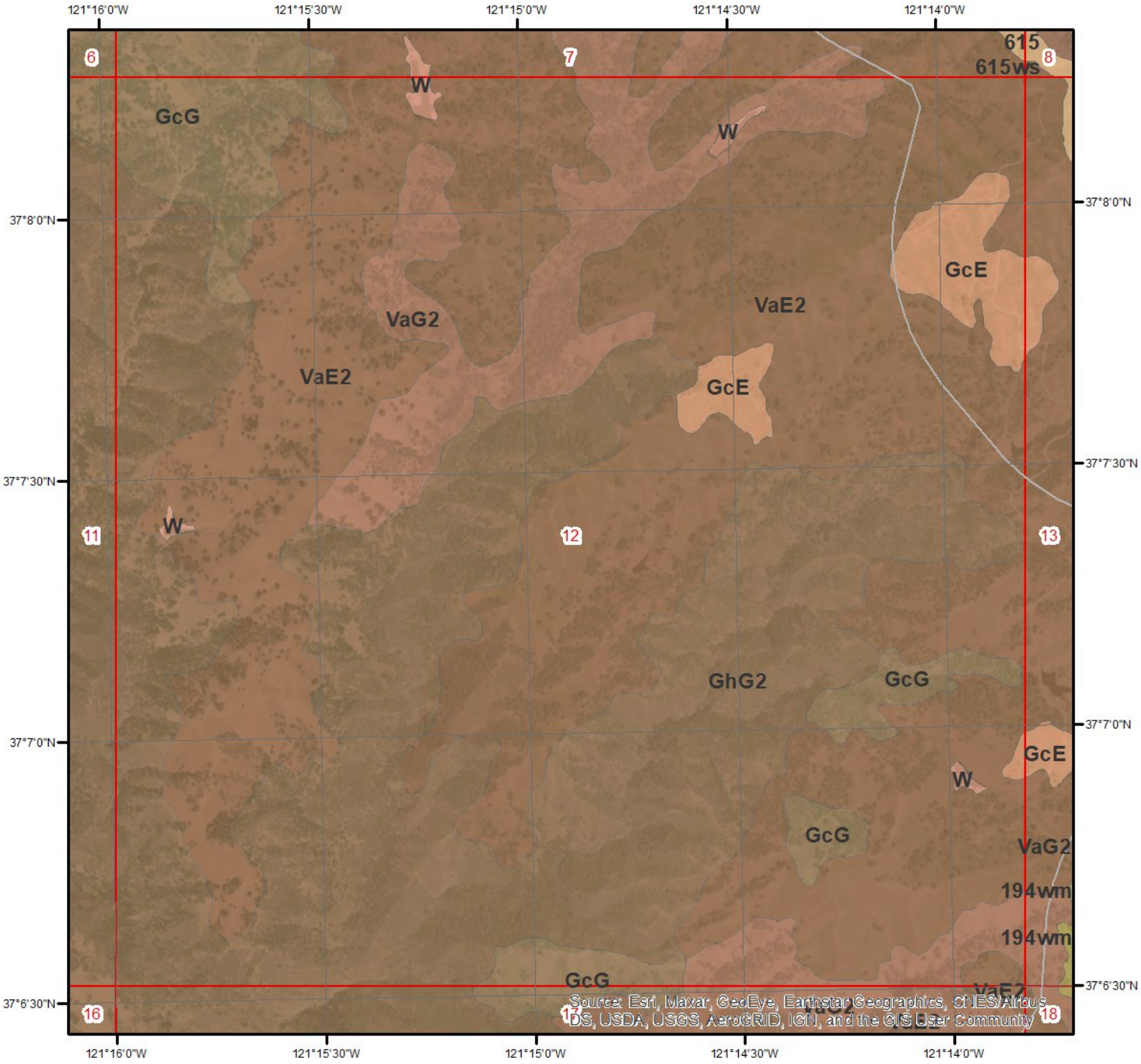
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 12

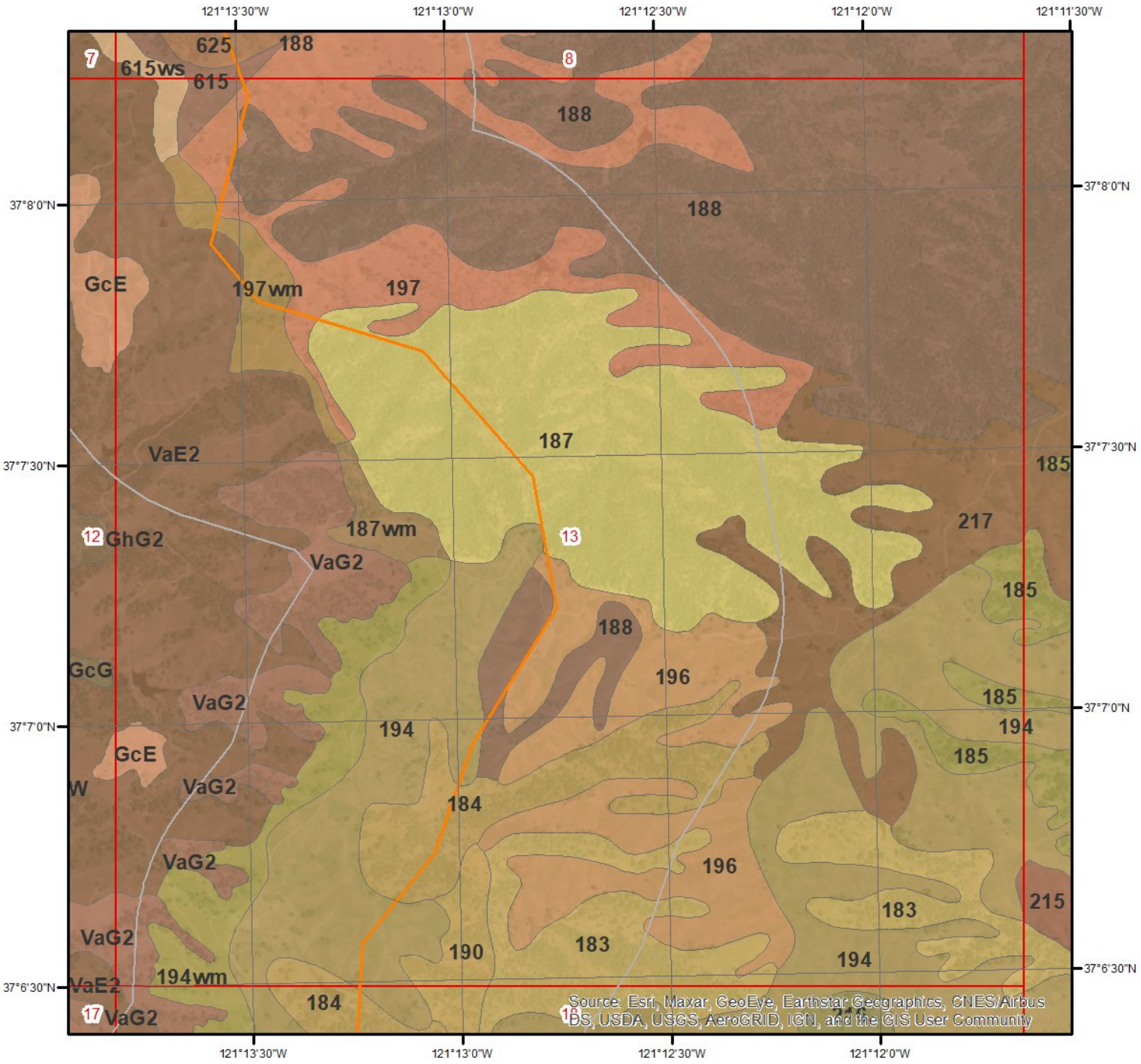
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 13

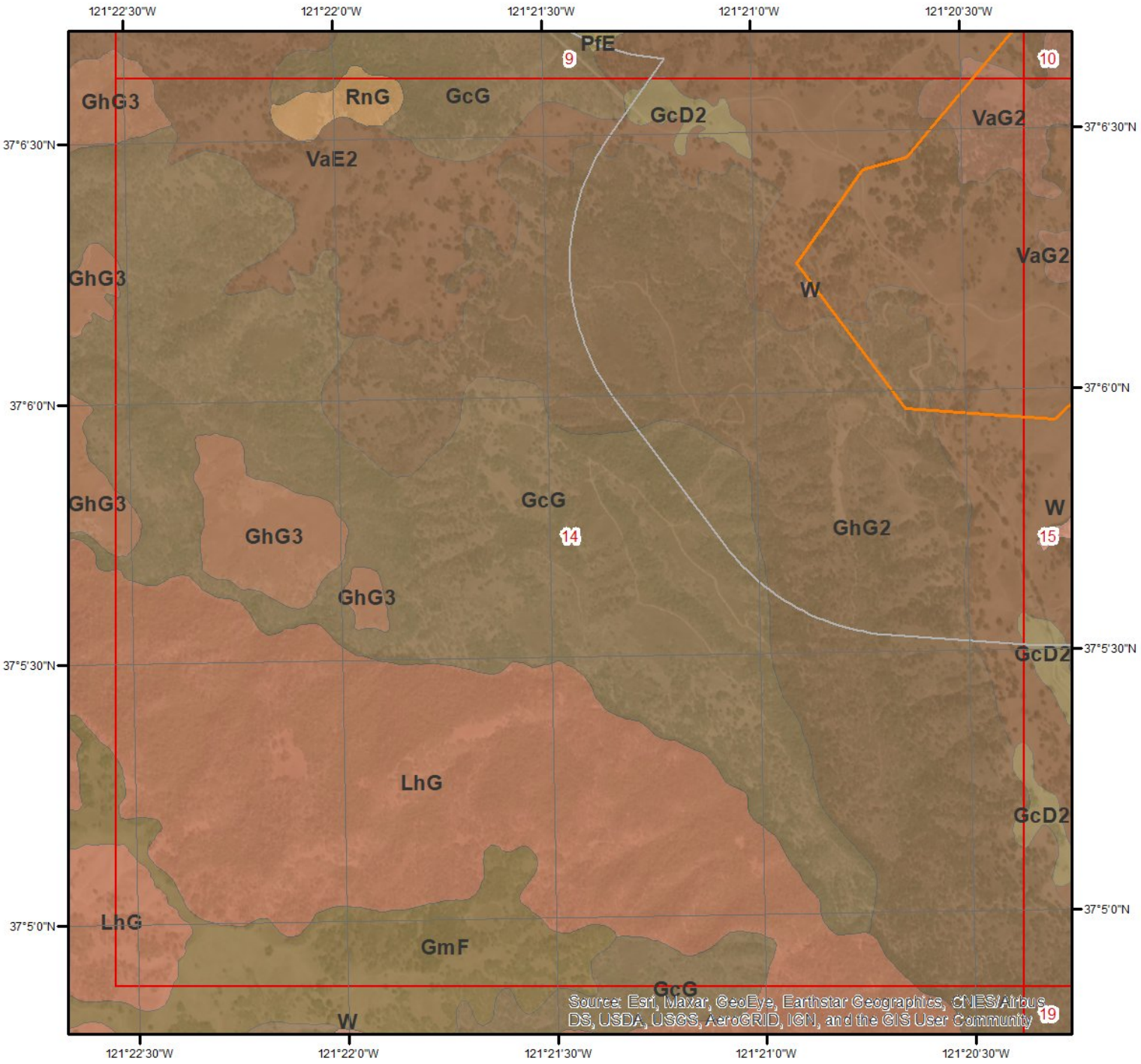
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 14

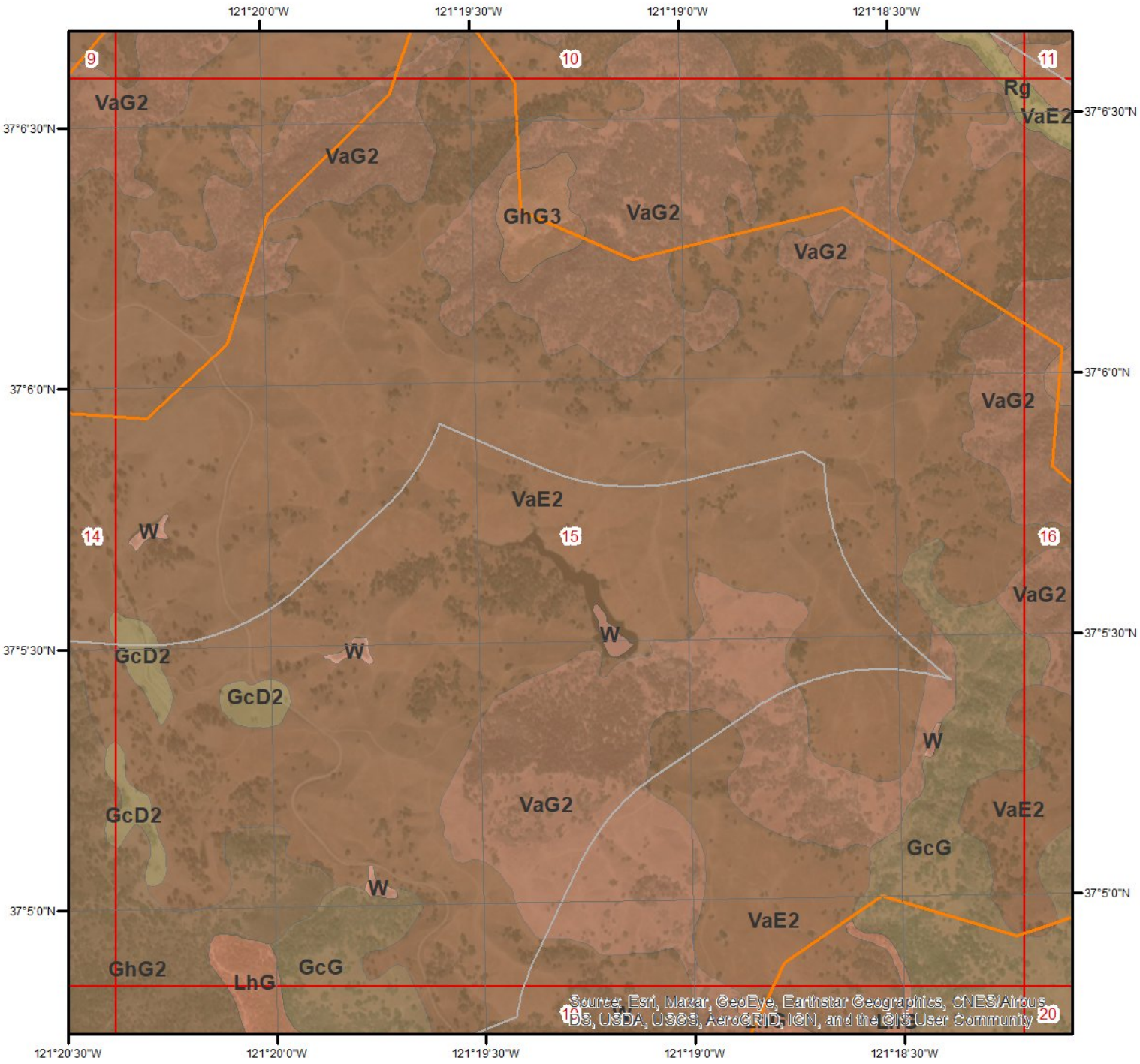
0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 15

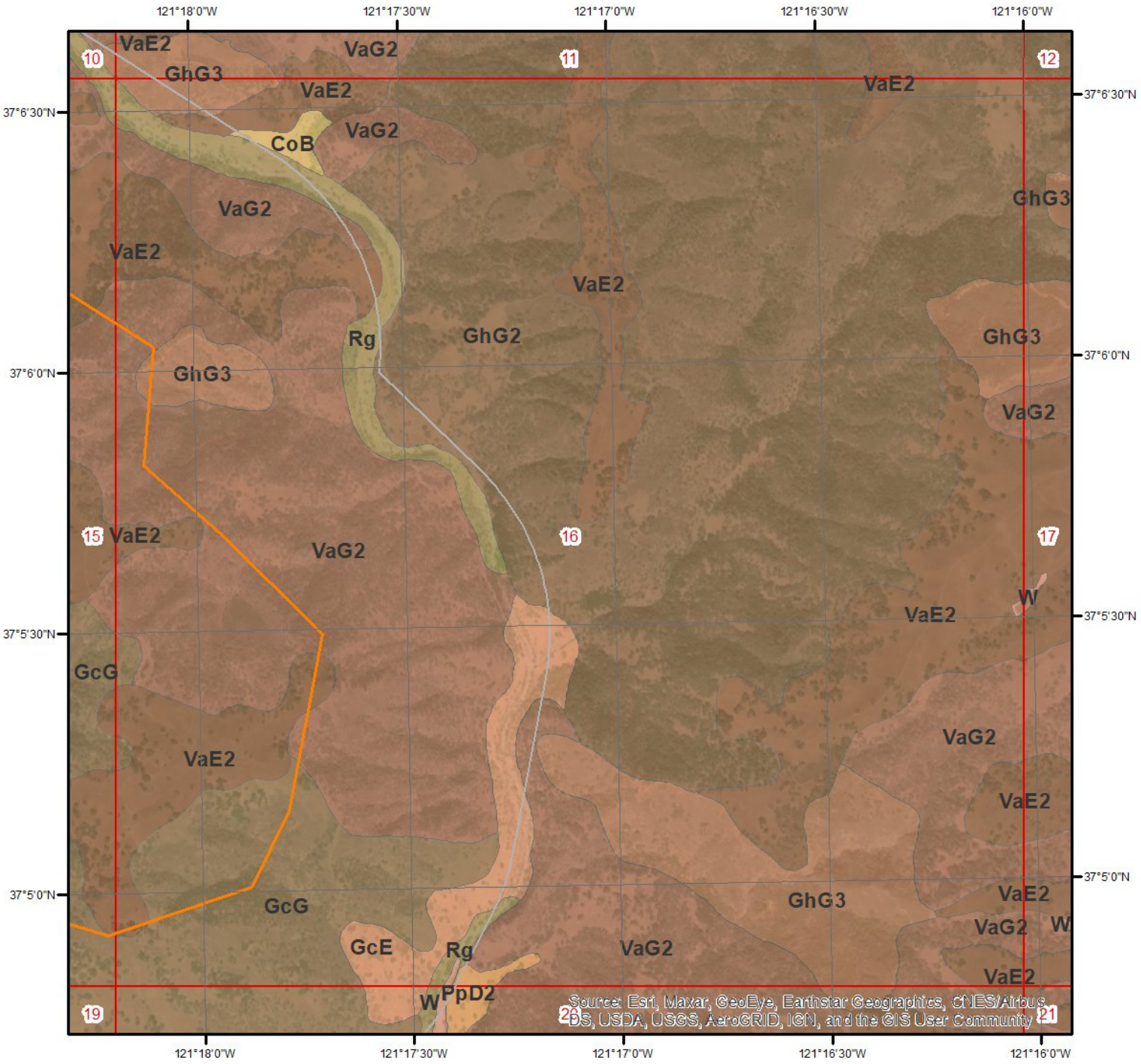
0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 16

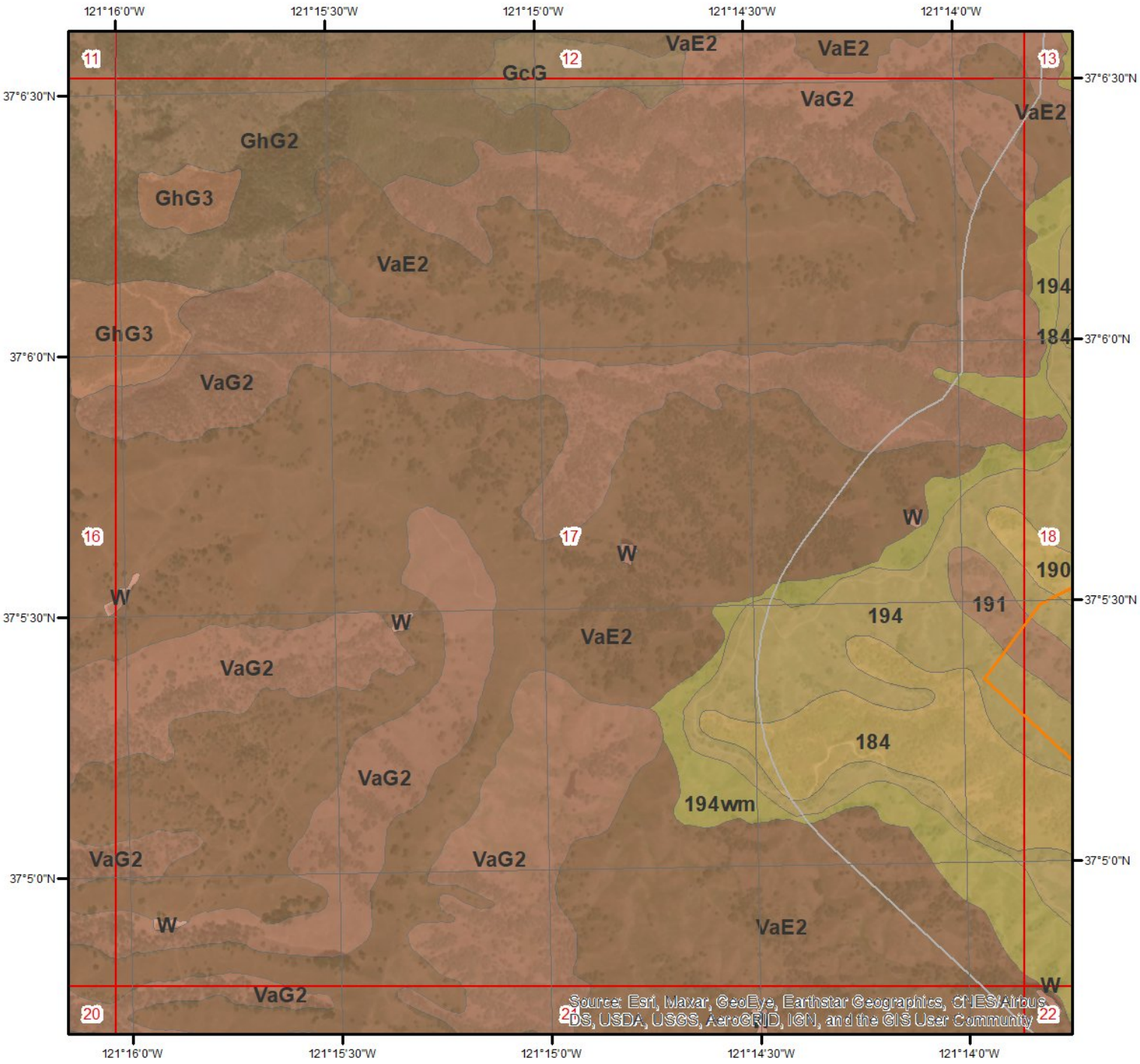
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 17

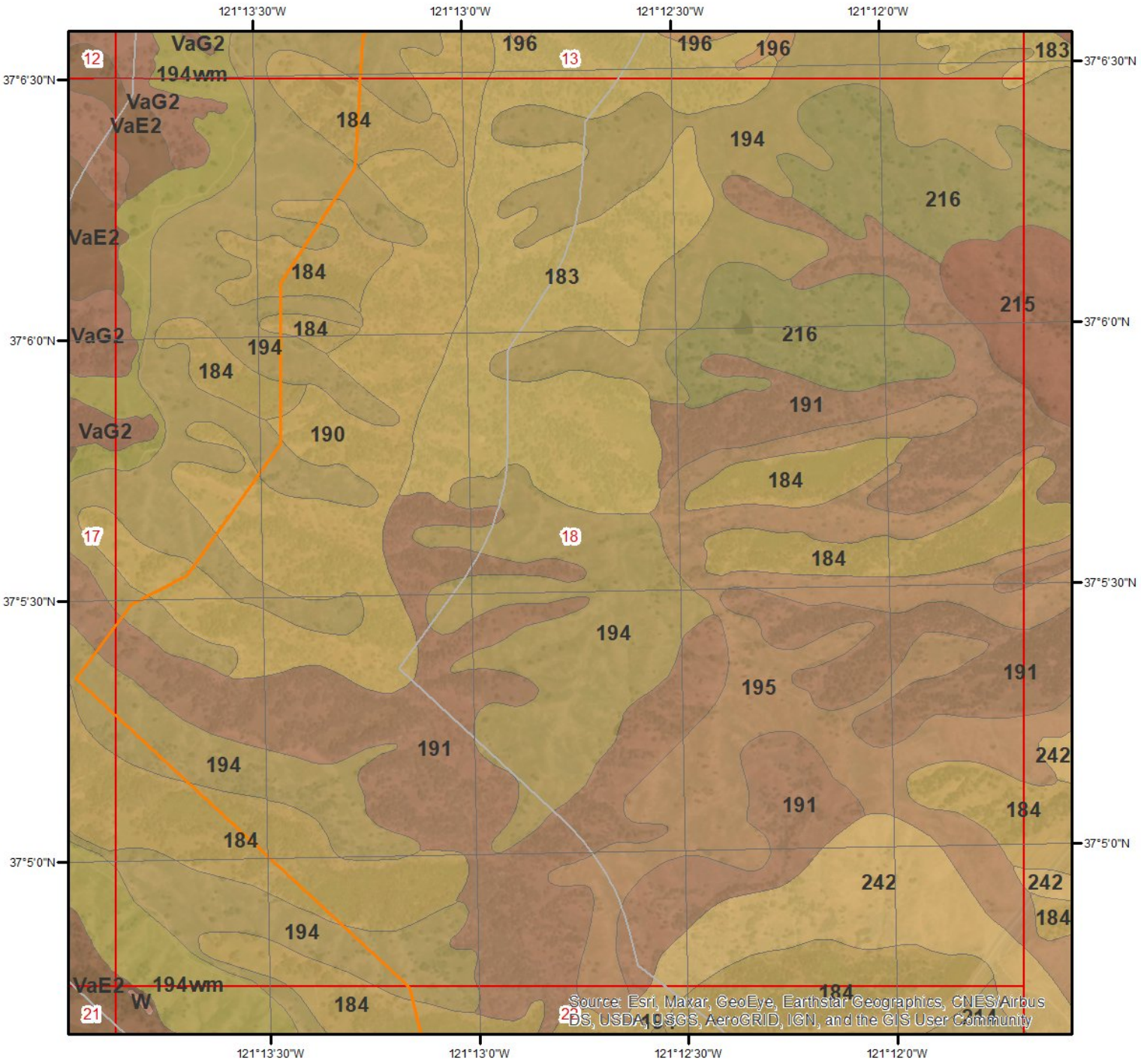
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 18

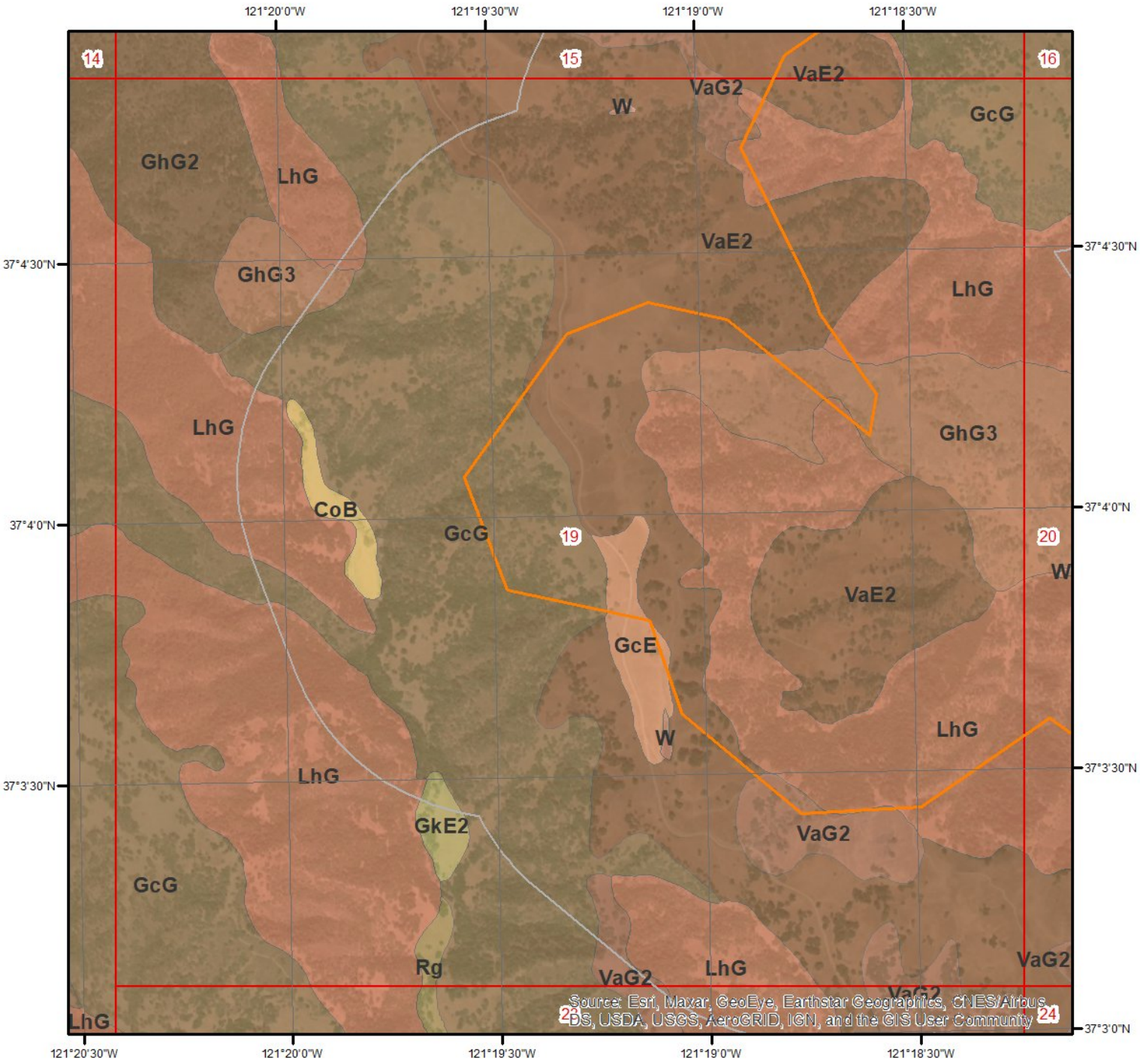
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 19

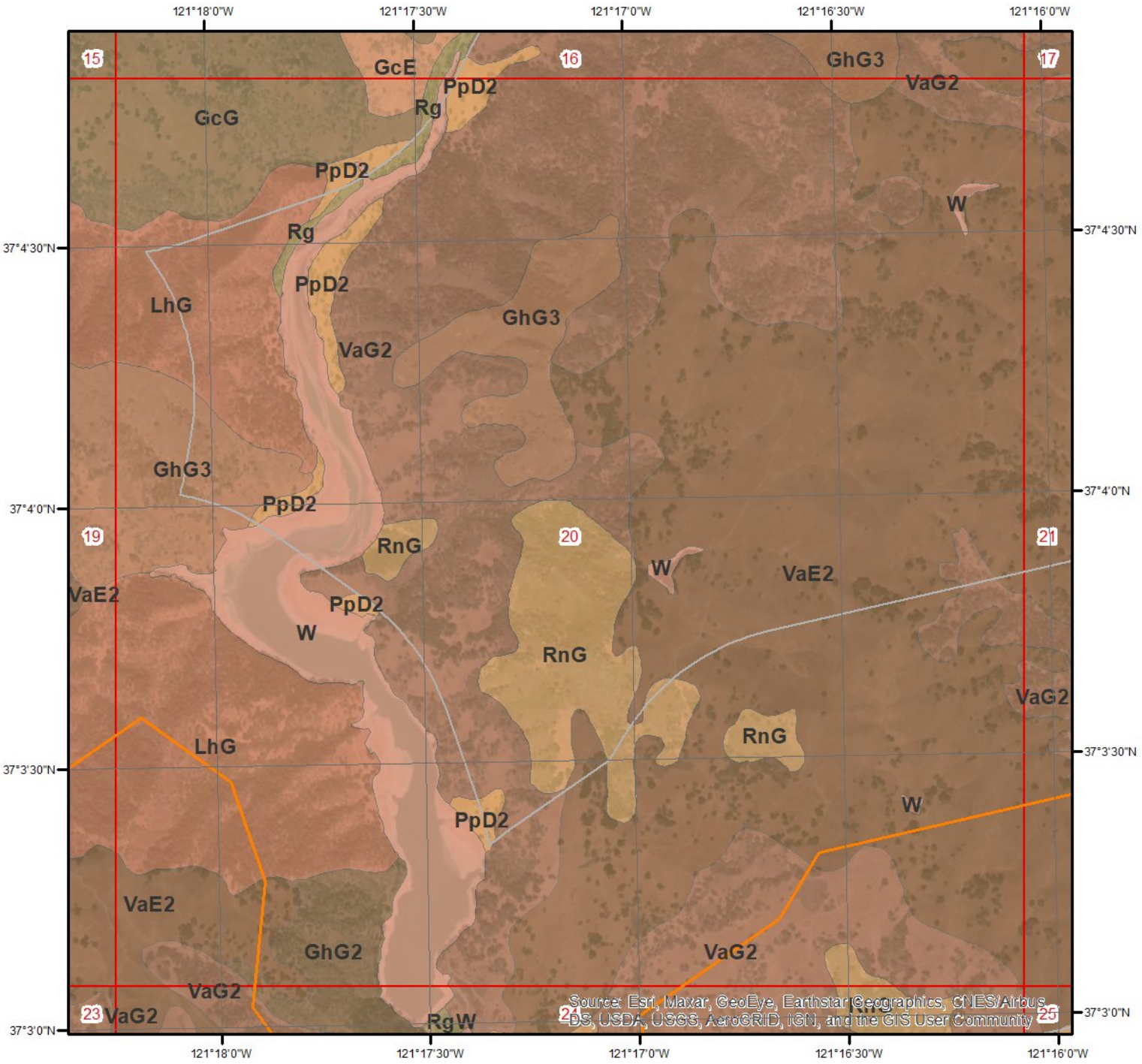
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 20

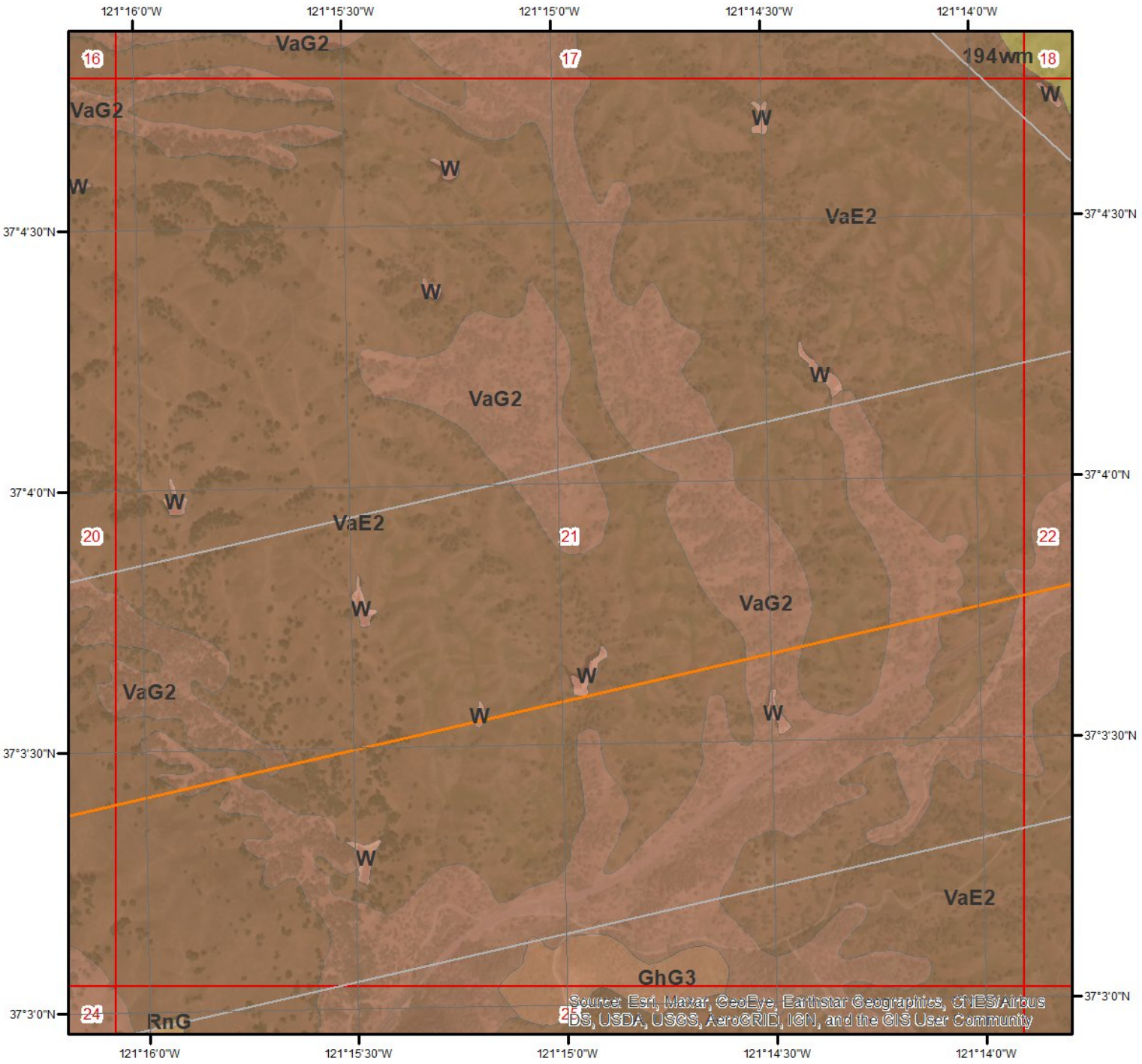
0 0.2 0.4 Miles

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 21

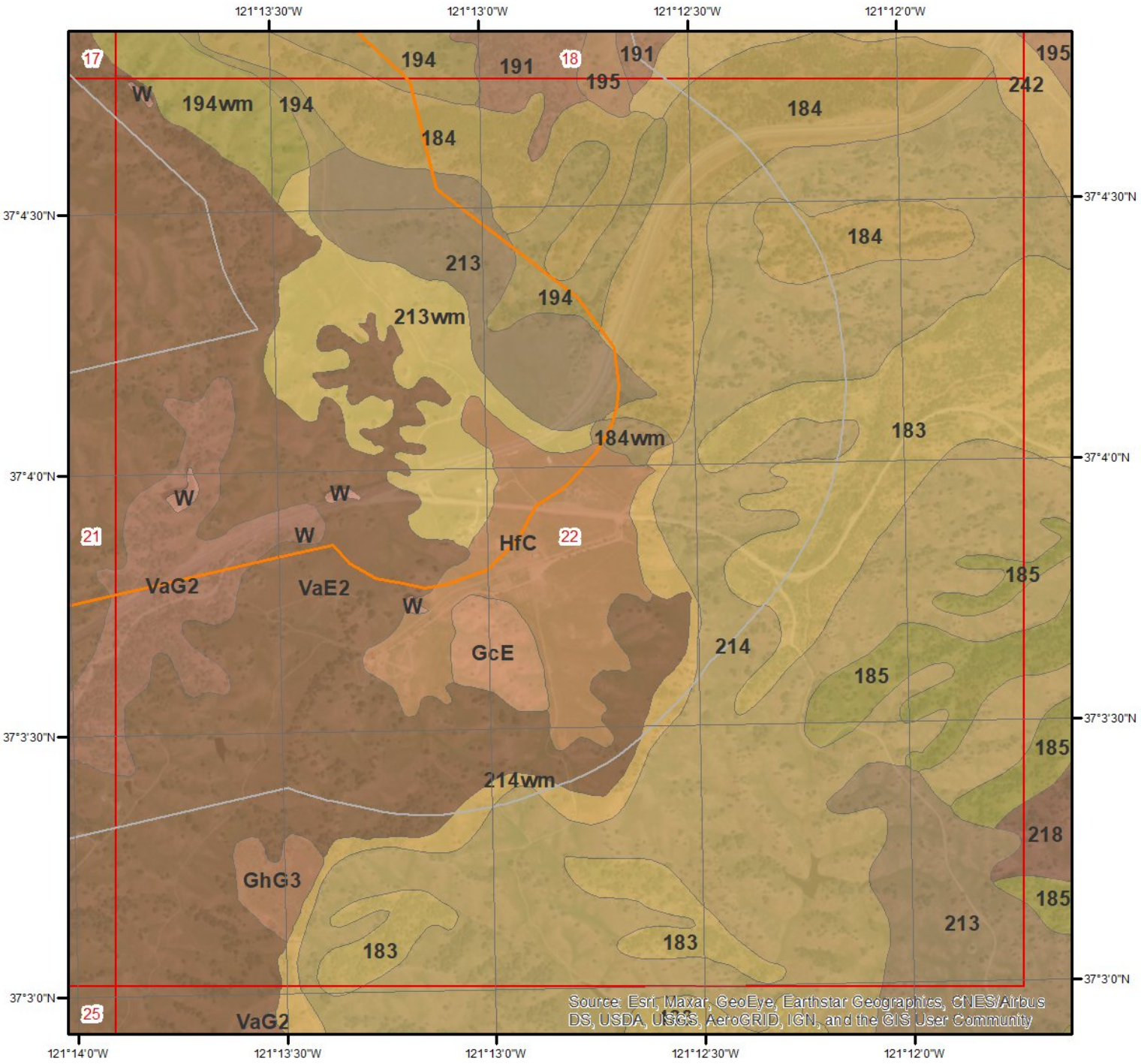
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 22

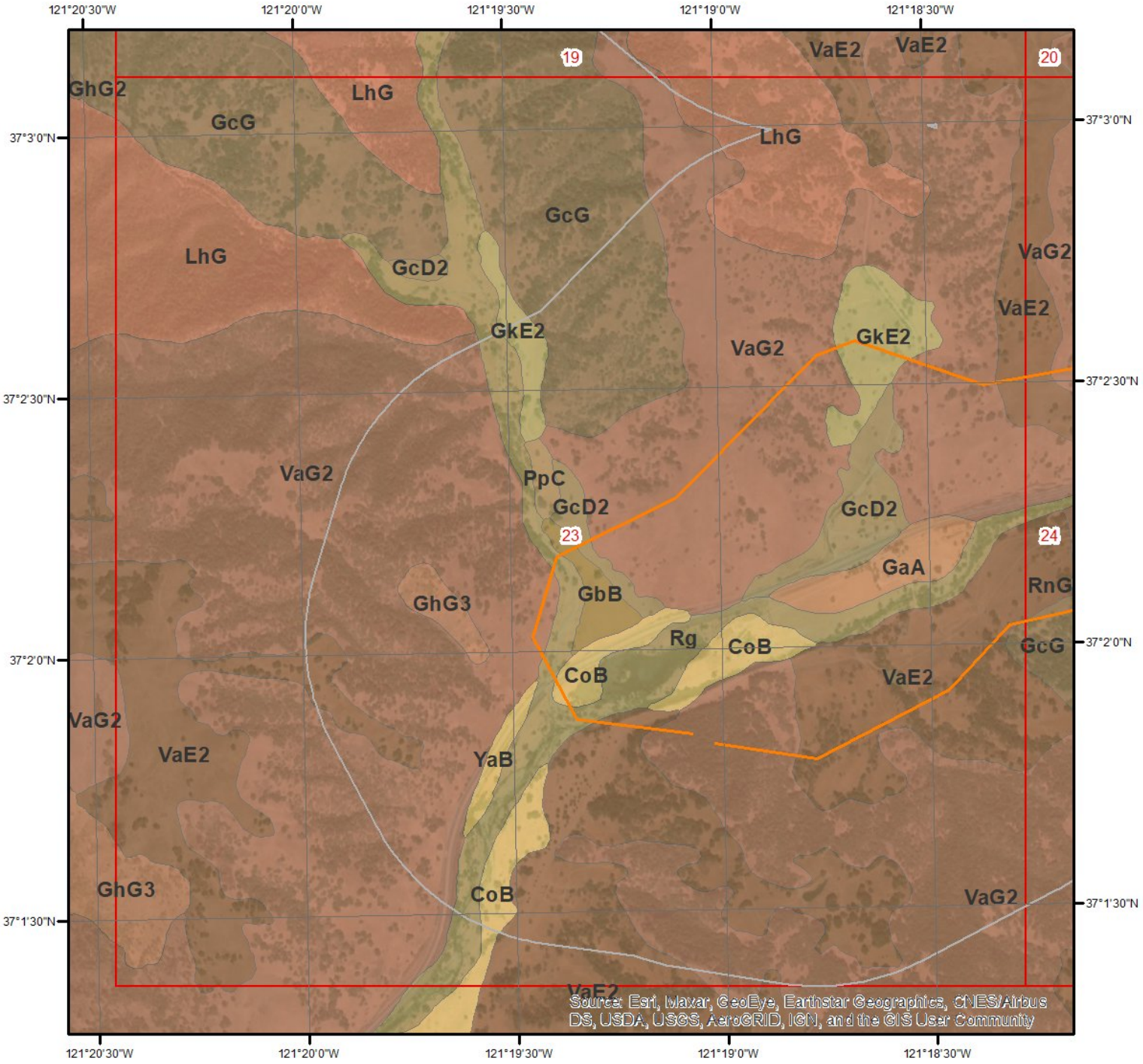
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 23

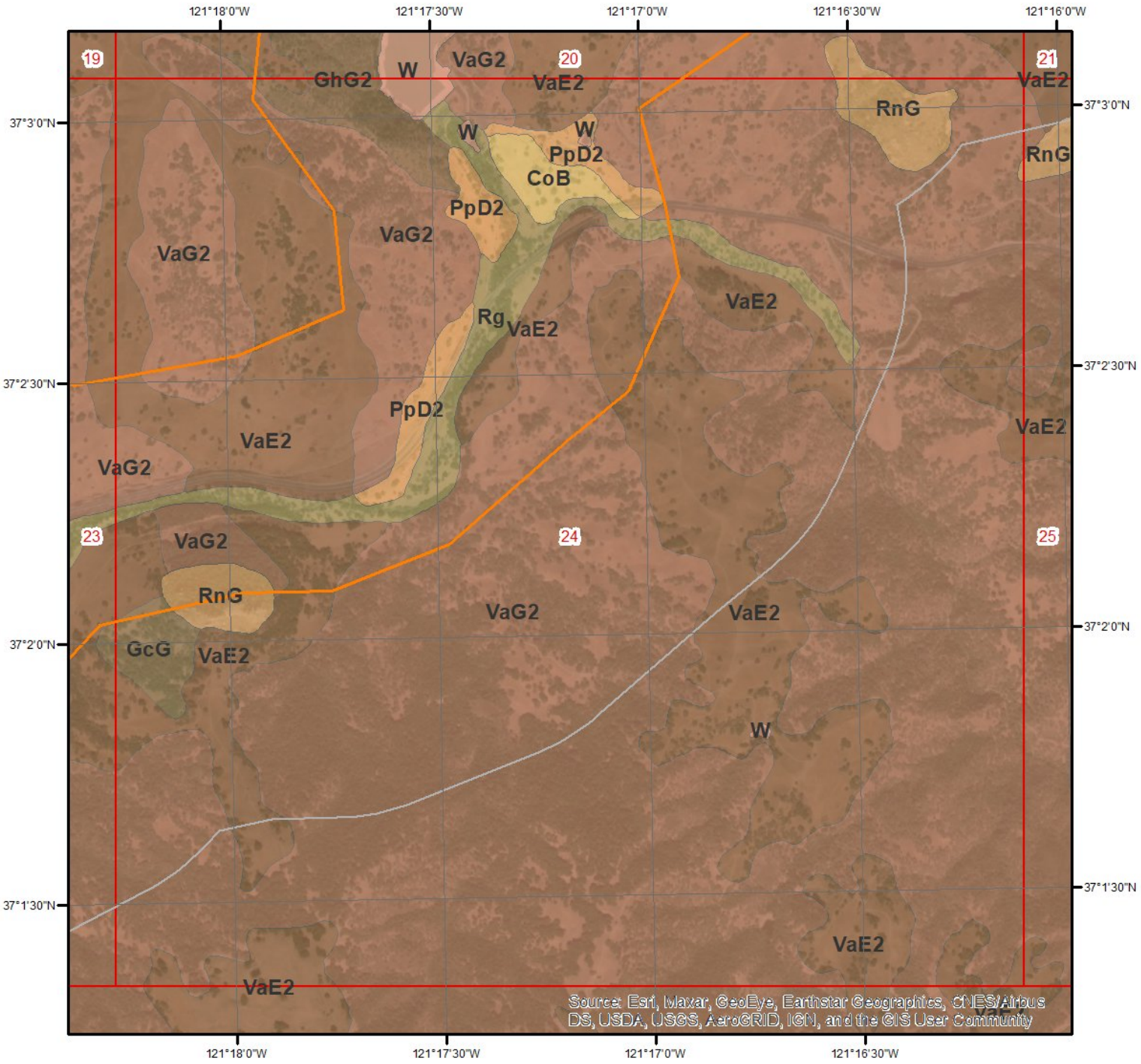
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 24

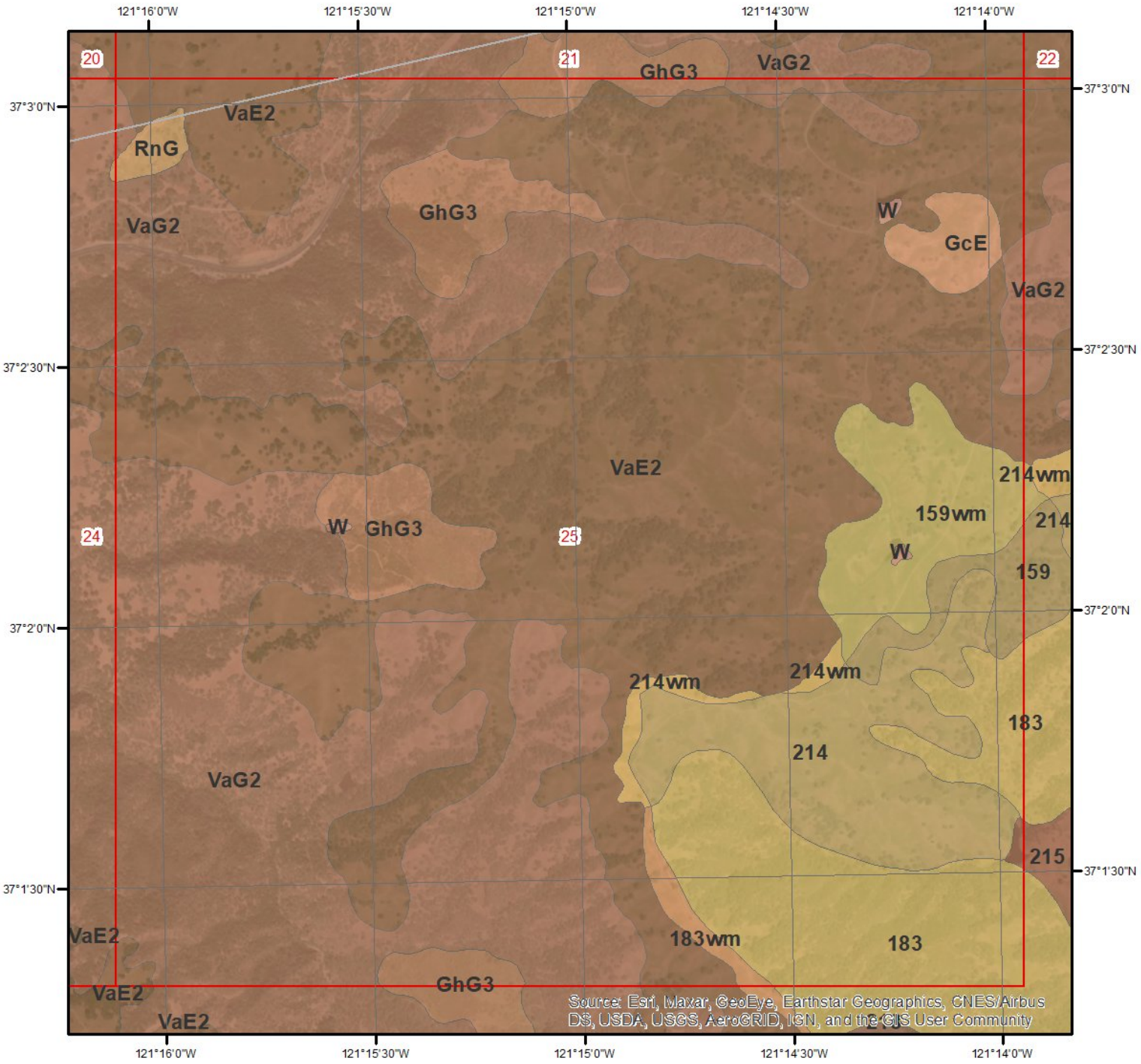
Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information



SSURGO Soils - Page 25

Miles
0 0.2 0.4

N

This maps shows SSURGO soil units around the target property. Please refer to the report for detailed soil descriptions.

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ENVIRONMENTAL RISK INFORMATION SERVICES

Soil Information

The previous page shows a soil map using SSURGO data from USDA Natural Resources Conservation Service. Detailed information about each unit is provided below.

Map Unit 183 (0.83%)

Map Unit Name:	Fifield-Gonzaga complex, 30 to 50 percent slopes
Bedrock Depth - Min:	76cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
Major components are printed below	
Fifield(60%)	
horizon H1(0cm to 13cm)	Sandy loam
horizon H2(13cm to 38cm)	Very gravelly loam
horizon H3(38cm to 76cm)	Extremely gravelly loam
horizon H4(76cm to 86cm)	Unweathered bedrock
Gonzaga(25%)	
horizon H1(0cm to 41cm)	Loam
horizon H2(41cm to 56cm)	Gravelly loam
horizon H3(56cm to 99cm)	Gravelly clay loam
horizon H4(99cm to 109cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 183 - Fifiled-Gonzaga complex, 30 to 50 percent slopes, MLRA 15

Component: Fifield (60%)
The Fifield component makes up 60 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from metamorphic and sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 20 to 35 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Gonzaga (25%)
The Gonzaga component makes up 25 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from metamorphic and sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Honker (3%)
Generated brief soil descriptions are created for major soil components. The Honker soil is a minor component.

Component: Fifield (3%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Component: Gonzaga (3%)
Generated brief soil descriptions are created for major soil components. The Gonzaga soil is a minor component.

Component: Rock outcrop (2%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Soil Information

Component: Franciscan (2%)
Generated brief soil descriptions are created for major soil components. The Franciscan soil is a minor component.

Component: Fifield (2%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Map Unit 184 (0.87%)

Map Unit Name:	Fifield-Honker-Gonzaga complex, 50 to 65 percent slopes
Bedrock Depth - Min:	76cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Fifield(40%)	
horizon H1(0cm to 13cm)	Sandy loam
horizon H2(13cm to 38cm)	Very gravelly loam
horizon H3(38cm to 76cm)	Extremely gravelly loam
horizon H4(76cm to 86cm)	Unweathered bedrock
Honker(25%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Sandy clay loam
horizon H3(36cm to 76cm)	Clay
horizon H4(76cm to 97cm)	Gravelly clay loam
horizon H5(97cm to 122cm)	Unweathered bedrock
Gonzaga(20%)	
horizon H1(0cm to 41cm)	Loam
horizon H2(41cm to 56cm)	Gravelly loam
horizon H3(56cm to 99cm)	Gravelly clay loam
horizon H4(99cm to 109cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 184 - Fifield-Honker-Gonzaga complex, 50 to 65 percent slopes, MLRA 15

Component: Fifield (40%)
The Fifield component makes up 40 percent of the map unit. Slopes are 50 to 60 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from metamorphic and sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 20 to 35 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Honker (25%)
The Honker component makes up 25 percent of the map unit. Slopes are 50 to 65 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Gonzaga (20%)
The Gonzaga component makes up 20 percent of the map unit. Slopes are 50 to 65 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from metamorphic and sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is

moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Franciscan (3%)
Generated brief soil descriptions are created for major soil components. The Franciscan soil is a minor component.

Component: Gonzaga (3%)
Generated brief soil descriptions are created for major soil components. The Ganzaga soil is a minor component.

Component: Fifield (3%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Component: Millsholm (3%)
Generated brief soil descriptions are created for major soil components. The Millsholm soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Map Unit 184wm (0.01%)

Map Unit Name:	Fifield-Honker-Gonzaga complex, 50 to 65 percent slopes
Bedrock Depth - Min:	76cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Fifield(40%)	
horizon H1(0cm to 13cm)	Sandy loam
horizon H2(13cm to 38cm)	Very gravelly loam
horizon H2(13cm to 38cm)	Very gravelly sandy clay loam
horizon H3(38cm to 76cm)	Extremely gravelly loam
horizon H3(38cm to 76cm)	Extremely gravelly sandy loam
horizon H4(76cm to 86cm)	Unweathered bedrock
Honker(25%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Clay loam
horizon H2(18cm to 36cm)	Loam
horizon H2(18cm to 36cm)	Sandy clay loam
horizon H3(36cm to 76cm)	Clay
horizon H3(36cm to 76cm)	Clay loam
horizon H3(36cm to 76cm)	Sandy clay
horizon H4(76cm to 97cm)	Gravelly clay
horizon H4(76cm to 97cm)	Gravelly clay loam
horizon H4(76cm to 97cm)	Gravelly sandy clay
horizon H5(97cm to 107cm)	Unweathered bedrock
Gonzaga(20%)	
horizon H1(0cm to 41cm)	Loam
horizon H2(41cm to 56cm)	Gravelly loam
horizon H2(41cm to 56cm)	Gravelly sandy clay loam
horizon H3(56cm to 99cm)	Gravelly clay
horizon H3(56cm to 99cm)	Gravelly clay loam
horizon H3(56cm to 99cm)	Gravelly sandy clay
horizon H4(99cm to 109cm)	Unweathered bedrock

Component Description:

Soil Information

Minor map unit components are excluded from this report.

Map Unit: 184wm - Fifield-Honker-Gonzaga complex, 50 to 65 percent slopes, MLRA 15

Component: Fifield (40%)
The Fifield component makes up 40 percent of the map unit. Slopes are 50 to 60 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from metamorphic and sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 20 to 35 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Honker (25%)
The Honker component makes up 25 percent of the map unit. Slopes are 50 to 65 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Gonzaga (20%)
The Gonzaga component makes up 20 percent of the map unit. Slopes are 50 to 65 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from metamorphic and sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Fifield (3%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Component: Millsholm (3%)
Generated brief soil descriptions are created for major soil components. The Millsholm soil is a minor component.

Component: Gonzaga (3%)
Generated brief soil descriptions are created for major soil components. The Ganzaga soil is a minor component.

Component: Franciscan (3%)
Generated brief soil descriptions are created for major soil components. The Franciscan soil is a minor component.

Map Unit 187 (0.49%)

Map Unit Name:	FRANCISCAN SANDY LOAM, 50 TO 70 PERCENT SLOPES
Bedrock Depth - Min:	97cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Franciscan(85%)

horizon H1(0cm to 25cm)	Sandy loam
horizon H2(25cm to 66cm)	Sandy clay loam
horizon H3(66cm to 97cm)	Gravelly sandy clay loam
horizon H4(97cm to 107cm)	Unweathered bedrock

Soil Information

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 187 - Franciscan sandy loam, 50 to 70 percent slopes, MLRA 15

Component: Franciscan (85%)
The Franciscan component makes up 85 percent of the map unit. Slopes are 50 to 70 percent. This component is on mountain slopes, mountains. The parent material consists of residuum weathered from metamorphic and sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Gonzaga (6%)
Generated brief soil descriptions are created for major soil components. The Gonzaga soil is a minor component.

Component: Quinto (4%)
Generated brief soil descriptions are created for major soil components. The Quinto soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Ayar (1%)
Generated brief soil descriptions are created for major soil components. The Ayar soil is a minor component.

Component: Fifield (1%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Map Unit 187wm (0.02%)

Map Unit Name:	Franciscan sandy loam, 50 to 70 percent slopes
Bedrock Depth - Min:	97cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Franciscan(85%)

horizon H1(0cm to 25cm)	Sandy loam
horizon H2(25cm to 66cm)	Sandy clay loam
horizon H3(66cm to 97cm)	Gravelly sandy clay loam
horizon H4(97cm to 107cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 187wm - Franciscan sandy loam, 50 to 70 percent slopes, MLRA 15

Component: Franciscan (85%)
The Franciscan component makes up 85 percent of the map unit. Slopes are 50 to 70 percent. This component is on mountain slopes, mountains. The parent material consists of residuum weathered from metamorphic and sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Soil Information

Component: Gonzaga (6%)
Generated brief soil descriptions are created for major soil components. The Gonzaga soil is a minor component.

Component: Quinto (4%)
Generated brief soil descriptions are created for major soil components. The Quinto soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Fifield (1%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Component: Ayar (1%)
Generated brief soil descriptions are created for major soil components. The Ayar soil is a minor component.

Map Unit 188 (2.87%)

Map Unit Name:	FRANCISCAN-QUINTO-HONKER COMPLEX, 50 TO 75 PERCENT SLOPES
Bedrock Depth - Min:	43cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Franciscan(40%)	
horizon H1(0cm to 25cm)	Sandy loam
horizon H2(25cm to 66cm)	Sandy clay loam
horizon H3(66cm to 97cm)	Gravelly sandy clay loam
horizon H4(97cm to 107cm)	Unweathered bedrock
Quinto(25%)	
horizon H1(0cm to 15cm)	Gravelly sandy loam
horizon H2(15cm to 43cm)	Gravelly sandy clay loam
horizon H3(43cm to 53cm)	Unweathered bedrock
Honker(20%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Sandy clay loam
horizon H3(36cm to 76cm)	Clay
horizon H4(76cm to 97cm)	Gravelly clay loam
horizon H5(97cm to 122cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 188 - Franciscan-Quinto-Honker complex, 50 to 75 percent slopes, MLRA 15

Component: Franciscan (40%)
The Franciscan component makes up 40 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Quinto (25%)
The Quinto component makes up 25 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not

flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE080CA Shallow Coarse Loamy 10-16 ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Honker (20%)
The Honker component makes up 20 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Millsholm (7%)
Generated brief soil descriptions are created for major soil components. The Millsholm soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Gonzaga (3%)
Generated brief soil descriptions are created for major soil components. The Gonzaga soil is a minor component.

Component: Fifield (2%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Map Unit 190 (0.33%)

Map Unit Name:	GONZAGA-HONKER COMPLEX, 30 TO 50 PERCENT SLOPES
Bedrock Depth - Min:	97cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.
Major components are printed below	
Gonzaga(60%)	
horizon H1(0cm to 41cm)	Loam
horizon H2(41cm to 56cm)	Gravelly loam
horizon H3(56cm to 99cm)	Gravelly clay loam
horizon H4(99cm to 109cm)	Unweathered bedrock
Honker(25%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Sandy clay loam
horizon H3(36cm to 76cm)	Clay
horizon H4(76cm to 97cm)	Gravelly clay loam
horizon H5(97cm to 122cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 190 - Gonzaga-Honker , 30 to 50 percent slopes

Component: Gonzaga (60%)
The GONZAGA component makes up 60 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains. The parent material consists of residuum weathered from metamorphic and sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 39 to 43 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Honker (25%)
The HONKER component makes up 25 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains. The parent material consists of residuum weathered from sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 38 to 42 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Franciscan (4%)
Generated brief soil descriptions are created for major components. The FRANCISCAN soil is a minor component.

Component: Contra Costa (4%)
Generated brief soil descriptions are created for major components. The CONTRA COSTA soil is a minor component.

Component: Rock outcrop (4%)
Generated brief soil descriptions are created for major components. The ROCK OUTCROP soil is a minor component.

Component: Millsholm (3%)
Generated brief soil descriptions are created for major components. The MILLSHOLM soil is a minor component.

Map Unit 191 (0.48%)

Map Unit Name:	GONZAGA-HONKER COMPLEX, 50 TO 65 PERCENT SLOPES
Bedrock Depth - Min:	97cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Gonzaga(60%)	
horizon H1(0cm to 41cm)	Loam
horizon H2(41cm to 56cm)	Gravelly loam
horizon H3(56cm to 99cm)	Gravelly clay loam
horizon H4(99cm to 109cm)	Unweathered bedrock
Honker(25%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Sandy clay loam
horizon H3(36cm to 76cm)	Clay
horizon H4(76cm to 97cm)	Gravelly clay loam
horizon H5(97cm to 122cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 191 - Gonzaga-Honker , 50 to 65 percent slopes

Component: Gonzaga (60%)
The GONZAGA component makes up 60 percent of the map unit. Slopes are 50 to 65 percent. This component is on mountains. The parent material consists of residuum weathered from metamorphic and sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 39 to 43 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Honker (25%)
The HONKER component makes up 25 percent of the map unit. Slopes are 50 to 60 percent. This component is on mountains. The parent material consists of residuum weathered from sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 38 to 42 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a

depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Rock 0utcrop (4%)
Generated brief soil descriptions are created for major components. The ROCK 0UTCROP soil is a minor component.

Component: Franciscan (4%)
Generated brief soil descriptions are created for major components. The FRANCISCAN soil is a minor component.

Component: Contra Costa (4%)
Generated brief soil descriptions are created for major components. The CONTRA COSTA soil is a minor component.

Component: Millsholm (3%)
Generated brief soil descriptions are created for major components. The MILLSHOLM soil is a minor component.

Map Unit 194 (1.46%)

Map Unit Name:	HONKER SANDY LOAM, 30 TO 50 PERCENT SLOPES
Bedrock Depth - Min:	97cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Honker(85%)

horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Sandy clay loam
horizon H3(36cm to 76cm)	Clay
horizon H4(76cm to 97cm)	Gravelly clay loam
horizon H5(97cm to 122cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 194 - Honker sandy loam, 30 to 50 percent slopes

Component: Honker (85%)
The HONKER component makes up 85 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains. The parent material consists of residuum weathered from sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 38 to 42 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Rock outcrop (4%)
Generated brief soil descriptions are created for major components. The ROCK OUTCROP soil is a minor component.

Component: Millsholm (4%)
Generated brief soil descriptions are created for major components. The MILLSHOLM soil is a minor component.

Component: Honker (4%)
Generated brief soil descriptions are created for major components. The HONKER soil is a minor component.

Component: Contra Costa (3%)
Generated brief soil descriptions are created for major components. The CONTRA COSTA soil is a minor component.

Map Unit 194wm (0.34%)

Map Unit Name:	Honker sandy loam, 30 to 50 percent slopes

Soil Information

Bedrock Depth - Min:	97cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Honker(85%)

horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Clay loam
horizon H2(18cm to 36cm)	Loam
horizon H2(18cm to 36cm)	Sandy clay loam
horizon H3(36cm to 76cm)	Clay
horizon H3(36cm to 76cm)	Clay loam
horizon H3(36cm to 76cm)	Sandy clay
horizon H4(76cm to 97cm)	Gravelly clay
horizon H4(76cm to 97cm)	Gravelly clay loam
horizon H4(76cm to 97cm)	Gravelly sandy clay
horizon H5(97cm to 107cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 194wm - Honker sandy loam, 30 to 50 percent slopes

Component: Honker (85%)
The Honker component makes up 85 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountain slopes. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Rock outcrop (4%)
Generated brief soil descriptions are created for major components. The Rock outcrop soil is a minor component.

Component: Millsholm (4%)
Generated brief soil descriptions are created for major components. The Millsholm soil is a minor component.

Component: Honker (4%)
Generated brief soil descriptions are created for major components. The Honker soil is a minor component.

Component: Contra Costa (3%)
Generated brief soil descriptions are created for major components. The Contra Costa soil is a minor component.

Map Unit 195 (0.45%)

Map Unit Name:	Honker sandy loam, 50 to 65 percent slopes
Bedrock Depth - Min:	97cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Honker(85%)

horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Sandy clay loam

horizon H3(36cm to 76cm)	Clay
horizon H4(76cm to 97cm)	Gravelly clay loam
horizon H5(97cm to 122cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 195 - Honker sandy loam, 50 to 65 percent slopes

Component: Honker (85%)
The HONKER component makes up 85 percent of the map unit. Slopes are 50 to 65 percent. This component is on mountains. The parent material consists of residuum weathered from sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 38 to 42 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Millsholm (4%)
Generated brief soil descriptions are created for major components. The MILLSHOLM soil is a minor component.

Component: Honker (4%)
Generated brief soil descriptions are created for major components. The HONKER, 30 TO 50% SLOPES soil is a minor component.

Component: Rock outcrop (4%)
Generated brief soil descriptions are created for major components. The ROCK OUTCROP soil is a minor component.

Component: Contra Costa (3%)
Generated brief soil descriptions are created for major components. The CONTRA COSTA soil is a minor component.

Map Unit 196 (0.23%)

Map Unit Name:	Honker-Millsholm-Rock outcrop complex, 30 to 50 percent slopes
Bedrock Depth - Min:	0cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Honker(45%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Sandy clay loam
horizon H3(36cm to 76cm)	Clay
horizon H4(76cm to 97cm)	Gravelly clay loam
horizon H5(97cm to 122cm)	Unweathered bedrock
Millsholm(20%)	
horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock
Rock outcrop(20%)	
horizon H1(0cm to 25cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 196 - Honker-Millsholm-Rock outcrop complex, 30 to 50 percent slopes

Component: Honker (45%)
The HONKER component makes up 45 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains. The parent material consists of residuum weathered from sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 38 to 42

inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Rock outcrop (20%)
Generated brief soil descriptions are created for major soil components. The ROCK OUTCROP is a miscellaneous area.

Component: Millsholm (20%)
The MILLSHOLM component makes up 20 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 19 to 23 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE083CA Shallow Loamy Hills 13-18" P.z. ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Millsholm (5%)
Generated brief soil descriptions are created for major components. The MILLSHOLM, 50 TO 65% SLOPES soil is a minor component.

Component: Contra Costa (5%)
Generated brief soil descriptions are created for major components. The CONTRA COSTA soil is a minor component.

Component: Honker (5%)
Generated brief soil descriptions are created for major components. The HONKER, 50 TO 65% SLOPES soil is a minor component.

Map Unit 197 (0.47%)

Map Unit Name:	Honker-Quinto complex, 30 to 50 percent slopes
Bedrock Depth - Min:	43cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.
Major components are printed below	
Honker(45%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Sandy clay loam
horizon H3(36cm to 76cm)	Clay
horizon H4(76cm to 97cm)	Gravelly clay
horizon H5(97cm to 122cm)	Unweathered bedrock
Quinto(40%)	
horizon H1(0cm to 15cm)	Gravelly sandy loam
horizon H2(15cm to 43cm)	Gravelly sandy clay loam
horizon H3(43cm to 53cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 197 - Honker-Quinto complex, 30 to 50 percent slopes

Component: Honker (45%)
The Honker component makes up 45 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountain slopes. The parent material consists of residuum weathered from sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 38 to 42 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet

hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Quinto (40%)
The Quinto component makes up 40 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountain slopes. The parent material consists of residuum weathered from conglomerate. Depth to a root restrictive layer, bedrock, lithic, is 17 to 21 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE080CA Shallow Coarse Loamy 10-16 ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Quinto (4%)
Generated brief soil descriptions are created for major components. The Quinto soil is a minor component.

Component: Rock outcrop (4%)
Generated brief soil descriptions are created for major components. The Rock outcrop soil is a minor component.

Component: Millsholm (4%)
Generated brief soil descriptions are created for major components. The Millsholm soil is a minor component.

Component: Honker (3%)
Generated brief soil descriptions are created for major components. The Honker soil is a minor component.

Map Unit 197wm (0.04%)

Map Unit Name:	Honker-Quinto complex, 30 to 50 percent slopes
Bedrock Depth - Min:	43cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Honker(45%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Sandy clay loam
horizon H3(36cm to 76cm)	Clay
horizon H4(76cm to 97cm)	Gravelly clay
horizon H5(97cm to 122cm)	Unweathered bedrock
Quinto(40%)	
horizon H1(0cm to 15cm)	Gravelly sandy loam
horizon H2(15cm to 43cm)	Gravelly sandy clay loam
horizon H3(43cm to 53cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 197wm - Honker-Quinto complex, 30 to 50 percent slopes

Component: Honker (45%)
The Honker component makes up 45 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountain slopes. The parent material consists of residuum weathered from sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 38 to 42 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Quinto (40%)
The Quinto component makes up 40 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountain slopes.

Soil Information

The parent material consists of residuum weathered from conglomerate. Depth to a root restrictive layer, bedrock, lithic, is 17 to 21 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE080CA Shallow Coarse Loamy 10-16 ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Millsholm (4%)
Generated brief soil descriptions are created for major components. The Millsholm soil is a minor component.

Component: Quinto (4%)
Generated brief soil descriptions are created for major components. The Quinto soil is a minor component.

Component: Rock outcrop (4%)
Generated brief soil descriptions are created for major components. The Rock outcrop soil is a minor component.

Component: Honker (3%)
Generated brief soil descriptions are created for major components. The Honker soil is a minor component.

Map Unit 213 (0.14%)

Map Unit Name:	Millsholm loam, 8 to 15 percent slopes
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Millsholm(85%)

horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 213 - Millsholm loam, 4 to 30 percent slopes, MLRA 15

Component: Millsholm (90%)
The Millsholm component makes up 90 percent of the map unit. Slopes are 4 to 30 percent. This component is on mountain slopes on mountains. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE083CA Shallow Loamy Hills ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Unnamed (6%)
Generated brief soil descriptions are created for major components. The UNNAMED, SHALLOW soil is a minor component.

Component: Rock outcrop (4%)
Generated brief soil descriptions are created for major components. The ROCK OUTCROP soil is a minor component.

Map Unit 213wm (0.16%)

Map Unit Name:	Millsholm loam, 8 to 15 percent slopes
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained

Soil Information

Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Millsholm(85%)

horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 213wm - Millsholm loam, 4 to 30 percent slopes, MLRA 15

Component: Millsholm (90%)
The Millsholm component makes up 90 percent of the map unit. Slopes are 4 to 30 percent. This component is on mountain slopes on mountains. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE083CA Shallow Loamy Hills ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Unnamed (6%)
Generated brief soil descriptions are created for major components. The UNNAMED, SHALLOW soil is a minor component.

Component: Rock outcrop (4%)
Generated brief soil descriptions are created for major components. The ROCK OUTCROP soil is a minor component.

Map Unit 214 (3.11%)

Map Unit Name:	MILLSHOLM LOAM, 30 TO 50 PERCENT SLOPES
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Millsholm(85%)

horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 214 - Millsholm loam, 15 to 45 percent slopes, dry, MLRA 15

Component: Millsholm (85%)
The Millsholm, dry component makes up 85 percent of the map unit. Slopes are 15 to 45 percent. This component is on mountain slopes on mountains. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE083CA Shallow Loamy Hills ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Contra Costa (4%)
Generated brief soil descriptions are created for major components. The CONTRA COSTA soil is a minor component.

Component: Fifield (4%)
Generated brief soil descriptions are created for major components. The FIFIELD soil is a minor component.

Soil Information

Component: Honker (4%)
Generated brief soil descriptions are created for major components. The HONKER soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major components. The ROCK OUTCROP soil is a minor component.

Map Unit 214wm (0.16%)

Map Unit Name:	Millsholm loam, 30 to 50 percent slopes
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Millsholm(85%)

horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 214wm - Millsholm loam, 15 to 45 percent slopes, dry, MLRA 15

Component: Millsholm (85%)
The Millsholm, dry component makes up 85 percent of the map unit. Slopes are 15 to 45 percent. This component is on mountain slopes on mountains. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE083CA Shallow Loamy Hills ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Contra Costa (4%)
Generated brief soil descriptions are created for major components. The CONTRA COSTA soil is a minor component.

Component: Fifield (4%)
Generated brief soil descriptions are created for major components. The FIFIELD soil is a minor component.

Component: Honker (4%)
Generated brief soil descriptions are created for major components. The HONKER soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major components. The ROCK OUTCROP soil is a minor component.

Map Unit 217 (1.81%)

Map Unit Name:	Millsholm-Honker-Rock outcrop complex, 30 to 50 percent slopes
Bedrock Depth - Min:	0cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Millsholm(45%)

horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock

Rock outcrop(20%)

horizon H1(0cm to 25cm)	Unweathered bedrock

Honker(20%)

horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 36cm)	Sandy clay loam
horizon H3(36cm to 76cm)	Clay
horizon H4(76cm to 97cm)	Gravelly clay loam
horizon H5(97cm to 122cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 217 - Millsholm-Honker-Rock outcrop complex, 15 to 50 percent slopes, MLRA 15

Component: Millsholm (45%)
The Millsholm component makes up 45 percent of the map unit. Slopes are 15 to 50 percent. This component is on mountain slopes on mountains. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE083CA Shallow Loamy Hills ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Honker (20%)
The Honker component makes up 20 percent of the map unit. Slopes are 15 to 50 percent. This component is on mountain slopes on mountains. The parent material consists of colluvium derived from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Rock outcrop (20%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop is a miscellaneous area.

Component: Contra Costa (4%)
Generated brief soil descriptions are created for major soil components. The Contra Costa soil is a minor component.

Component: Quinto (4%)
Generated brief soil descriptions are created for major soil components. The Quinto soil is a minor component.

Component: Honker (4%)
Generated brief soil descriptions are created for major soil components. The Honker soil is a minor component.

Component: Millsholm (3%)
Generated brief soil descriptions are created for major soil components. The Millsholm soil is a minor component.

Map Unit 242 (0.17%)

Map Unit Name:	Quinto-Millsholm-Rock outcrop complex, 40 to 75 percent slopes
Bedrock Depth - Min:	0cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Quinto(35%)

horizon H1(0cm to 15cm)	Gravelly sandy loam
horizon H2(15cm to 43cm)	Gravelly sandy clay loam

horizon H3(43cm to 53cm)	Unweathered bedrock
Millsholm(30%)	
horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock
Rock outcrop(20%)	
horizon H1(0cm to 25cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 242 - Quinto-Millsholm-Rock outcrop complex, 40 to 75 percent slopes

Component: Quinto (35%)
The QUINTO component makes up 35 percent of the map unit. Slopes are 40 to 75 percent. This component is on mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 17 to 21 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE080CA Shallow Coarse Loamy 10-16" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Millsholm (30%)
The MILLSHOLM component makes up 30 percent of the map unit. Slopes are 40 to 75 percent. This component is on mountains. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 19 to 23 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE083CA Shallow Loamy Hills 13-18" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Rock outcrop (20%)
Generated brief soil descriptions are created for major soil components. The ROCK OUTCROP is a miscellaneous area.

Component: Contra Costa (3%)
Generated brief soil descriptions are created for major components. The CONTRA COSTA soil is a minor component.

Component: Quinto (3%)
Generated brief soil descriptions are created for major components. The QUINTO, 25 TO 40% SLOPES soil is a minor component.

Component: Millsholm (3%)
Generated brief soil descriptions are created for major components. The MILLSHOLM, 25 TO 40% SLOPES soil is a minor component.

Component: Honker (3%)
Generated brief soil descriptions are created for major components. The HONKER soil is a minor component.

Component: Wisflat (3%)
Generated brief soil descriptions are created for major components. The WISFLAT soil is a minor component.

Map Unit 600 (0.3%)

Map Unit Name:	Gonzaga-Honker-Franciscan complex, 30 to 50 percent slopes
Bedrock Depth - Min:	74cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Gonzaga(35%)

horizon H1(0cm to 46cm)	Loam
horizon H2(46cm to 74cm)	Gravelly loam
horizon H3(74cm to 97cm)	Gravelly clay
horizon H4(97cm to 107cm)	Unweathered bedrock
Honker(30%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 41cm)	Clay loam
horizon H3(41cm to 91cm)	Gravelly clay
horizon H4(91cm to 102cm)	Unweathered bedrock
Franciscan(20%)	
horizon H1(0cm to 36cm)	Gravelly sandy loam
horizon H2(36cm to 74cm)	Cobbly clay loam
horizon H3(74cm to 84cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 600 - Gonzaga-Honker-Franciscan complex, 30 to 50 percent slopes, MLRA 15

Component: Gonzaga (35%)
The Gonzaga component makes up 35 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from shale. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Honker (30%)
The Honker component makes up 30 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Franciscan (20%)
The Franciscan component makes up 20 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 4 within 30 inches of the soil surface.

Component: Vallecitos (10%)
Generated brief soil descriptions are created for major soil components. The Vallecitos soil is a minor component.

Component: Rock outcrop (5%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Map Unit 601 (0.85%)

Map Unit Name:	Gonzaga-Honker-Franciscan complex, 50 to 75 percent slopes
Bedrock Depth - Min:	74cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained

Soil Information

Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Gonzaga(35%)	
horizon H1(0cm to 46cm)	Loam
horizon H2(46cm to 74cm)	Gravelly loam
horizon H3(74cm to 97cm)	Gravelly clay
horizon H4(97cm to 107cm)	Unweathered bedrock
Honker(30%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 41cm)	Clay loam
horizon H3(41cm to 91cm)	Gravelly clay
horizon H4(91cm to 102cm)	Unweathered bedrock
Franciscan(20%)	
horizon H1(0cm to 36cm)	Gravelly sandy loam
horizon H2(36cm to 74cm)	Cobbly clay loam
horizon H3(74cm to 84cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 601 - Gonzaga-Honker-Franciscan complex, 50 to 75 percent slopes, MLRA 15

Component: Gonzaga (35%)
The Gonzaga component makes up 35 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from shale. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Honker (30%)
The Honker component makes up 30 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Franciscan (20%)
The Franciscan component makes up 20 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 4 within 30 inches of the soil surface.

Component: Rock outcrop (8%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Vallecitos (7%)
Generated brief soil descriptions are created for major soil components. The Vallecitos soil is a minor component.

Map Unit 601ws (0.13%)

Map Unit Name:	Gonzaga-Honker-Franciscan complex, 50 to 75 percent slopes

Soil Information

Bedrock Depth - Min:	74cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Gonzaga(35%)	
horizon H1(0cm to 46cm)	Loam
horizon H2(46cm to 74cm)	Gravelly loam
horizon H2(46cm to 74cm)	Gravelly sandy clay loam
horizon H3(74cm to 97cm)	Gravelly clay
horizon H3(74cm to 97cm)	Gravelly clay loam
horizon H3(74cm to 97cm)	Gravelly sandy clay
horizon H4(97cm to 107cm)	Unweathered bedrock
Honker(30%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 41cm)	Clay loam
horizon H2(18cm to 41cm)	Loam
horizon H2(18cm to 41cm)	Sandy clay loam
horizon H3(41cm to 91cm)	Gravelly clay
horizon H3(41cm to 91cm)	Gravelly clay loam
horizon H3(41cm to 91cm)	Gravelly sandy clay
horizon H4(91cm to 102cm)	Unweathered bedrock
Franciscan(20%)	
horizon H1(0cm to 36cm)	Gravelly sandy loam
horizon H2(36cm to 74cm)	Cobbly clay loam
horizon H2(36cm to 74cm)	Cobbly loam
horizon H2(36cm to 74cm)	Gravelly loam
horizon H3(74cm to 84cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 601ws - Gonzaga-Honker-Franciscan complex, 50 to 75 percent slopes, MLRA 15

Component: Gonzaga (35%)
The Gonzaga component makes up 35 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from shale. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Honker (30%)
The Honker component makes up 30 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Franciscan (20%)
The Franciscan component makes up 20 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in

the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 4 within 30 inches of the soil surface.

Component: Rock outcrop (8%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Vallecitos (7%)
Generated brief soil descriptions are created for major soil components. The Vallecitos soil is a minor component.

Map Unit 615 (0.49%)

Map Unit Name:	Honker-Quinto complex, 30 to 50 percent slopes
Bedrock Depth - Min:	43cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Honker(45%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 41cm)	Clay loam
horizon H3(41cm to 91cm)	Gravelly clay
horizon H4(91cm to 102cm)	Unweathered bedrock
Quinto(40%)	
horizon H1(0cm to 15cm)	Gravelly sandy loam
horizon H2(15cm to 43cm)	Gravelly sandy clay loam
horizon H3(43cm to 48cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 615 - Honker-Quinto complex, 30 to 50 percent slopes

Component: Honker (45%)
The Honker component makes up 45 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Quinto (40%)
The Quinto component makes up 40 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountains. The parent material consists of sandstone conglomerate. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE080CA Shallow Coarse Loamy 10-16 ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Vallecitos (7%)
Generated brief soil descriptions are created for major soil components. The Vallecitos soil is a minor component.

Component: Rock outcrop (5%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Millsholm (3%)
Generated brief soil descriptions are created for major soil components. The Millsholm soil is a minor component.

Soil Information

Map Unit 615ws (0.06%)

Map Unit Name:	Honker-Quinto complex, 30 to 50 percent slopes
Bedrock Depth - Min:	43cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Honker(45%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 41cm)	Clay loam
horizon H2(18cm to 41cm)	Loam
horizon H2(18cm to 41cm)	Sandy clay loam
horizon H3(41cm to 91cm)	Gravelly clay
horizon H3(41cm to 91cm)	Gravelly clay loam
horizon H3(41cm to 91cm)	Gravelly sandy clay
horizon H4(91cm to 102cm)	Unweathered bedrock
Quinto(40%)	
horizon H1(0cm to 15cm)	Gravelly sandy loam
horizon H2(15cm to 43cm)	Gravelly sandy clay loam
horizon H3(43cm to 48cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 615ws - Honker-Quinto complex, 30 to 50 percent slopes

Component: Honker (45%)
The Honker component makes up 45 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountain slopes. The parent material consists of sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria.

Component: Quinto (40%)
The Quinto component makes up 40 percent of the map unit. Slopes are 30 to 50 percent. This component is on mountain slopes. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE080CA Shallow Coarse Loamy 10-16 ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Vallecitos (5%)
Generated brief soil descriptions are created for major components. The Vallecitos soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major components. The Rock outcrop soil is a minor component.

Component: Millsholm (2%)
Generated brief soil descriptions are created for major components. The Millsholm soil is a minor component.

Map Unit 620 (0.87%)

Map Unit Name:	Franciscan sandy loam, 50 to 70 percent slopes

Soil Information

Bedrock Depth - Min:	97cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Franciscan(80%)

horizon H1(0cm to 25cm)	Sandy loam
horizon H2(25cm to 66cm)	Sandy clay loam
horizon H3(66cm to 97cm)	Gravelly sandy clay loam
horizon H4(97cm to 102cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 620 - Franciscan sandy loam, 50 to 70 percent slopes, MLRA 15

Component: Franciscan (85%)
The Franciscan component makes up 85 percent of the map unit. Slopes are 50 to 70 percent. This component is on mountain slopes, mountains. The parent material consists of residuum weathered from metamorphic and sedimentary rock. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Gonzaga (6%)
Generated brief soil descriptions are created for major soil components. The Gonzaga soil is a minor component.

Component: Quinto (4%)
Generated brief soil descriptions are created for major soil components. The Quinto soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Fifield (1%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Component: Ayar (1%)
Generated brief soil descriptions are created for major soil components. The Ayar soil is a minor component.

Map Unit 620ws (0.13%)

Map Unit Name:	Franciscan sandy loam, 50 to 70 percent slopes
Bedrock Depth - Min:	97cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Franciscan(80%)

horizon H1(0cm to 25cm)	Sandy loam
horizon H2(25cm to 66cm)	Clay loam
horizon H2(25cm to 66cm)	Sandy clay loam
horizon H3(66cm to 97cm)	Gravelly clay loam
horizon H3(66cm to 97cm)	Gravelly sandy clay loam
horizon H4(97cm to 102cm)	Unweathered bedrock

Soil Information

Map Unit 625 (3.06%)

Map Unit Name:	Franciscan-Quinto-Honker complex, 50 to 75 percent slopes
Bedrock Depth - Min:	43cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Franciscan(40%)	
horizon H1(0cm to 25cm)	Sandy loam
horizon H2(25cm to 66cm)	Sandy clay loam
horizon H3(66cm to 97cm)	Gravelly sandy clay loam
horizon H4(97cm to 102cm)	Unweathered bedrock
Quinto(25%)	
horizon H1(0cm to 15cm)	Gravelly sandy loam
horizon H2(15cm to 43cm)	Gravelly sandy clay loam
horizon H3(43cm to 46cm)	Unweathered bedrock
Honker(20%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 41cm)	Clay loam
horizon H3(41cm to 91cm)	Gravelly clay
horizon H4(91cm to 102cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 625 - Franciscan-Quinto-Honker complex, 50 to 75 percent slopes, MLRA 15

Component: Franciscan (40%)
The Franciscan component makes up 40 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Quinto (25%)
The Quinto component makes up 25 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE080CA Shallow Coarse Loamy 10-16 ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Honker (20%)
The Honker component makes up 20 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Millsholm (7%)
Generated brief soil descriptions are created for major soil components. The Millsholm soil is a minor component.

Soil Information

Component: Gonzaga (3%)
Generated brief soil descriptions are created for major soil components. The Gonzaga soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Fifield (2%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Map Unit 625ws (0.11%)

Map Unit Name:	Franciscan-Quinto-Honker complex, 50 to 75 percent slopes
Bedrock Depth - Min:	43cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Franciscan(40%)	
horizon H1(0cm to 25cm)	Sandy loam
horizon H2(25cm to 66cm)	Clay loam
horizon H2(25cm to 66cm)	Sandy clay loam
horizon H3(66cm to 97cm)	Gravelly clay loam
horizon H3(66cm to 97cm)	Gravelly sandy clay loam
horizon H4(97cm to 102cm)	Unweathered bedrock
Quinto(25%)	
horizon H1(0cm to 15cm)	Gravelly sandy loam
horizon H2(15cm to 43cm)	Gravelly sandy clay loam
horizon H3(43cm to 46cm)	Unweathered bedrock
Honker(20%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 41cm)	Clay loam
horizon H2(18cm to 41cm)	Loam
horizon H2(18cm to 41cm)	Sandy clay loam
horizon H3(41cm to 91cm)	Gravelly clay
horizon H3(41cm to 91cm)	Gravelly clay loam
horizon H3(41cm to 91cm)	Gravelly sandy clay
horizon H4(91cm to 102cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 625ws - Franciscan-Quinto-Honker complex, 50 to 75 percent slopes, MLRA 15

Component: Franciscan (40%)
The Franciscan component makes up 40 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. This component is in the F015XE078CA Unspecified ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Quinto (25%)
The Quinto component makes up 25 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not

flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE080CA Shallow Coarse Loamy 10-16 ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Honker (20%)
The Honker component makes up 20 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountains, mountains. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Millsholm (7%)
Generated brief soil descriptions are created for major soil components. The Millsholm soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Gonzaga (3%)
Generated brief soil descriptions are created for major soil components. The Gonzaga soil is a minor component.

Component: Fifield (2%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Map Unit 630 (0.49%)

Map Unit Name:	Millsholm-Honker-Rock outcrop complex, 30 to 50 percent slopes
Bedrock Depth - Min:	0cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.
Major components are printed below	
Millsholm(45%)	
horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock
Rock outcrop(20%)	
horizon H1(0cm to 152cm)	Unweathered bedrock
Honker(20%)	
horizon H1(0cm to 18cm)	Sandy loam
horizon H2(18cm to 41cm)	Clay loam
horizon H3(41cm to 91cm)	Gravelly clay
horizon H4(91cm to 102cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 630 - Millsholm-Honker-Rock outcrop complex, 15 to 50 percent slopes, MLRA 15

Component: Millsholm (45%)
The Millsholm component makes up 45 percent of the map unit. Slopes are 15 to 50 percent. This component is on mountain slopes on mountains. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE083CA Shallow Loamy Hills ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Soil Information

Component: Rock outcrop (20%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop is a miscellaneous area.

Component: Honker (20%)
The Honker component makes up 20 percent of the map unit. Slopes are 15 to 50 percent. This component is on mountain slopes on mountains. The parent material consists of colluvium derived from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 20 to 40 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE001CA Clayey Hills 10-14" P.z. ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Contra Costa (4%)
Generated brief soil descriptions are created for major soil components. The Contra Costa soil is a minor component.

Component: Honker (4%)
Generated brief soil descriptions are created for major soil components. The Honker soil is a minor component.

Component: Quinto (4%)
Generated brief soil descriptions are created for major soil components. The Quinto soil is a minor component.

Component: Millsholm (3%)
Generated brief soil descriptions are created for major soil components. The Millsholm soil is a minor component.

Map Unit 635 (0.92%)

Map Unit Name:	Millsholm loam, 50 to 65 percent slopes
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Millsholm(85%)

horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 635 - Millsholm loam, 25 to 55 percent slopes, dry, MLRA 15

Component: Millsholm (85%)
The Millsholm, dry component makes up 85 percent of the map unit. Slopes are 25 to 55 percent. This component is on mountain slopes on mountains. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE083CA Shallow Loamy Hills ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Contra Costa (3%)
Generated brief soil descriptions are created for major soil components. The Contra Costa soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Honker (3%)
Generated brief soil descriptions are created for major soil components. The Honker soil is a minor component.

Component: Quinto (3%)

Soil Information

Generated brief soil descriptions are created for major soil components. The Quinto soil is a minor component.

Component: Fifield (3%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Map Unit 635ws (0.03%)

Map Unit Name:	Millsholm loam, 50 to 65 percent slopes
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Millsholm(85%)

horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 635ws - Millsholm loam, 25 to 55 percent slopes, dry, MLRA 15

Component: Millsholm (85%)
The Millsholm, dry component makes up 85 percent of the map unit. Slopes are 25 to 55 percent. This component is on mountain slopes on mountains. The parent material consists of residuum weathered from sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE083CA Shallow Loamy Hills ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Quinto (3%)
Generated brief soil descriptions are created for major soil components. The Quinto soil is a minor component.

Component: Fifield (3%)
Generated brief soil descriptions are created for major soil components. The Fifield soil is a minor component.

Component: Contra Costa (3%)
Generated brief soil descriptions are created for major soil components. The Contra Costa soil is a minor component.

Component: Honker (3%)
Generated brief soil descriptions are created for major soil components. The Honker soil is a minor component.

Component: Rock outcrop (3%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Map Unit 640 (1.63%)

Map Unit Name:	Quinto-Millsholm-Rock outcrop complex, 40 to 75 percent slopes
Bedrock Depth - Min:	0cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Quinto(35%)

horizon H1(0cm to 15cm)	Gravelly sandy loam
horizon H2(15cm to 43cm)	Gravelly sandy clay loam
horizon H3(43cm to 48cm)	Unweathered bedrock
Millsholm(30%)	
horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock
Rock outcrop(20%)	
horizon H1(0cm to 152cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: 640 - Quinto-Millsholm-Rock outcrop complex, 40 to 75 percent slopes

Component: Quinto (35%)
The Quinto component makes up 35 percent of the map unit. Slopes are 40 to 75 percent. This component is on mountains. The parent material consists of sandstone conglomerate. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XE080CA Shallow Coarse Loamy 10-16 ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Millsholm (30%)
The Millsholm component makes up 30 percent of the map unit. Slopes are 40 to 75 percent. This component is on mountains. The parent material consists of fractured sandstone and shale. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XG009CA Shallow Loamy 5-8 ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria.

Component: Rock outcrop (20%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop is a miscellaneous area.

Component: Vallecitos (5%)
Generated brief soil descriptions are created for major soil components. The Vallecitos soil is a minor component.

Component: Wisflat (5%)
Generated brief soil descriptions are created for major soil components. The Wisflat soil is a minor component.

Component: Honker (3%)
Generated brief soil descriptions are created for major soil components. The Honker soil is a minor component.

Component: Contra Costa (2%)
Generated brief soil descriptions are created for major soil components. The Contra Costa soil is a minor component.

Map Unit AkC (0.01%)

Map Unit Name:	Arbuckle loam, deep, 5 to 9 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.
Major components are printed below	
Arbuckle(85%)	
horizon H1(0cm to 51cm)	Loam
horizon H2(51cm to 102cm)	Gravelly loam

horizon H3(102cm to 127cm)	Very gravelly sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: AkC - Arbuckle loam, deep, 5 to 9 percent slopes

Component: Arbuckle (85%)
The Arbuckle component makes up 85 percent of the map unit. Slopes are 5 to 9 percent. This component is on terraces. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Hillgate (4%)
Generated brief soil descriptions are created for major components. The Hillgate soil is a minor component.

Map Unit CoB (0.29%)

Map Unit Name:	Cortina very gravelly loam, 0 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	183cm
Drainage Class - Dominant:	Somewhat excessively drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Cortina(85%)

horizon H1(0cm to 20cm)	Very gravelly loam
horizon H2(20cm to 152cm)	SR to very gravelly sandy loam to very gravelly loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: CoB - Cortina very gravelly loam, 0 to 5 percent slopes, MLRA 15

Component: Cortina (85%)
The Cortina component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on flood plains on valleys. The parent material consists of gravelly alluvium derived from metamorphic and sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is somewhat excessively drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is occasionally flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 4w. Irrigated land capability classification is 4w. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Riverwash (8%)
Generated brief soil descriptions are created for major components. The Riverwash soil is a minor component.

Component: Garretson (7%)
Generated brief soil descriptions are created for major components. The Garretson soil is a minor component.

Map Unit GaA (0.04%)

Map Unit Name:	Garretson loam, gravel substratum, 0 to 2 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null

Soil Information

Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Garretson(85%)

horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 102cm)	Very fine sandy loam
horizon H3(102cm to 152cm)	Stratified sand

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GaA - Garretson loam, gravel substratum, 0 to 2 percent slopes

Component: Garretson (85%)
The Garretson component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans, stream terraces. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3c. Irrigated land capability classification is 1 This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Garretson (85%)
The Garretson component makes up 85 percent of the map unit. Slopes are 0 to 2 percent. This component is on alluvial fans, stream terraces. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3c. Irrigated land capability classification is 1 This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Cortina (5%)
Generated brief soil descriptions are created for major components. The Cortina soil is a minor component.

Component: Cortina (5%)
Generated brief soil descriptions are created for major components. The Cortina soil is a minor component.

Map Unit GbB (0.02%)

Map Unit Name:	Garretson gravelly loam, 0 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	B - Soils in this group have moderately low runoff potential when thoroughly wet. Water transmission through the soil is unimpeded.

Major components are printed below

Garretson(85%)

horizon H1(0cm to 15cm)	Gravelly loam
horizon H2(15cm to 152cm)	Gravelly clay loam
horizon H2(15cm to 152cm)	Gravelly loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GbB - Garretson gravelly loam, 0 to 5 percent slopes

Component: Garretson (85%)

Soil Information

The Garretson component makes up 85 percent of the map unit. Slopes are 0 to 5 percent. This component is on stream terraces, alluvial fans. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: UNNAMED (2%)
Generated brief soil descriptions are created for major components. The UNNAMED soil is a minor component.

Map Unit GcD2 (0.13%)

Map Unit Name:	Gaviota loam, 5 to 15 percent slopes, eroded
Bedrock Depth - Min:	41cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Gaviota(85%)

horizon H1(0cm to 41cm)	Loam
horizon H2(41cm to 51cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GcD2 - Gaviota loam, 5 to 15 percent slopes, eroded

Component: Gaviota (85%)
The Gaviota component makes up 85 percent of the map unit. Slopes are 5 to 15 percent. This component is on mountain slopes. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R015XD093CA Shallow Loamy ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Vallecitos (4%)
Generated brief soil descriptions are created for major components. The Vallecitos soil is a minor component.

Component: Hillgate (3%)
Generated brief soil descriptions are created for major components. The Hillgate soil is a minor component.

Component: Pleasanton (3%)
Generated brief soil descriptions are created for major components. The Pleasanton soil is a minor component.

Map Unit GcE (0.24%)

Map Unit Name:	Gaviota loam, 15 to 30 percent slopes
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Gaviota(85%)

horizon A1(0cm to 13cm)	Gravelly loam
horizon A2(13cm to 48cm)	Gravelly loam
horizon R(48cm to 58cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GcE - Gaviota loam, 15 to 30 percent slopes

Component: Gaviota (85%)
The Gaviota component makes up 85 percent of the map unit. Slopes are 15 to 30 percent. This component is on mountain slopes. The parent material consists of residuum weathered from shale and/or residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R015XD093CA Shallow Loamy ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Vallecitos (10%)
Generated brief soil descriptions are created for major components. The Vallecitos soil is a minor component.

Component: Rock outcrop (5%)
Generated brief soil descriptions are created for major components. The Rock outcrop soil is a minor component.

Map Unit GcG (11.9%)

Map Unit Name:	Gaviota loam, 30 to 75 percent slopes
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Gaviota(88%)

horizon A1(0cm to 13cm)	Gravelly loam
horizon A2(13cm to 48cm)	Gravelly loam
horizon R(48cm to 58cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GcG - Gaviota loam, 30 to 75 percent slopes

Component: Gaviota (88%)
The Gaviota, loam component makes up 88 percent of the map unit. Slopes are 30 to 75 percent. This component is on mountain slopes. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R015XD093CA Shallow Loamy ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Vallecitos (10%)
Generated brief soil descriptions are created for major components. The Vallecitos soil is a minor component.

Component: Rock outcrop (2%)
Generated brief soil descriptions are created for major components. The Rock outcrop soil is a minor component.

Map Unit GhG2 (16.55%)

Map Unit Name:	Gaviota gravelly loam, 30 to 75 percent slopes, eroded, MLRA 15
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Gaviota(80%)

horizon A1(0cm to 13cm)	Gravelly loam
horizon A2(13cm to 48cm)	Gravelly loam
horizon R(48cm to 73cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GhG2 - Gaviota gravelly loam, 30 to 75 percent slopes, eroded, MLRA 15

Component: Gaviota (80%)
The Gaviota component makes up 80 percent of the map unit. Slopes are 30 to 75 percent. This component is on mountain slopes, hills, mountains, ridges. The parent material consists of residuum weathered from shale and/or residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R015XE077CA Shallow Gravelly Loam, Shallow Loamy, Shallow Loamy Hills 10-15" P.z. Gravelly ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Vallecitos (10%)
Generated brief soil descriptions are created for major soil components. The Vallecitos soil is a minor component.

Component: Rock outcrop (5%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Honker (5%)
Generated brief soil descriptions are created for major soil components. The Honker soil is a minor component.

Map Unit GhG3 (2.69%)

Map Unit Name:	Gaviota gravelly loam, 30 to 75 percent slopes, severely eroded
Bedrock Depth - Min:	25cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Gaviota(85%)

horizon A(0cm to 25cm)	Gravelly loam
horizon R(25cm to 36cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GhG3 - Gaviota gravelly loam, 30 to 75 percent slopes, severely eroded

Soil Information

Component: Gaviota (85%)
The Gaviota, gravelly loam component makes up 85 percent of the map unit. Slopes are 30 to 75 percent. This component is on mountain slopes. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R015XD092CA Shallow Gravelly Loam ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Vallecitos (8%)
Generated brief soil descriptions are created for major soil components. The Vallecitos soil is a minor component.

Component: Rock outcrop (7%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Map Unit GkE2 (0.1%)

Map Unit Name:	Gaviota rocky loam, 5 to 30 percent slopes, eroded
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Gaviota(85%)

horizon H1(0cm to 48cm)	Gravelly loam
horizon H1(0cm to 48cm)	Loam
horizon H2(48cm to 58cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: GkE2 - Gaviota rocky loam, 5 to 30 percent slopes, eroded

Component: Gaviota (85%)
The Gaviota component makes up 85 percent of the map unit. Slopes are 5 to 30 percent. This component is on mountain slopes. The parent material consists of residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R015XD093CA Shallow Loamy ecological site. Nonirrigated land capability classification is 6e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Rock outcrop (10%)
Generated brief soil descriptions are created for major components. The Rock outcrop soil is a minor component.

Component: Vallecitos (3%)
Generated brief soil descriptions are created for major components. The Vallecitos soil is a minor component.

Component: Esparto (2%)
Generated brief soil descriptions are created for major components. The Esparto soil is a minor component.

Map Unit HfC (0.18%)

Map Unit Name:	Hillgate silt loam, 2 to 9 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained

Soil Information

Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Hillgate(85%)

horizon H1(0cm to 25cm)	Silt loam
horizon H2(25cm to 102cm)	Clay
horizon H2(25cm to 102cm)	Clay loam
horizon H3(102cm to 152cm)	Gravelly clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: HfC - Hillgate silt loam, 2 to 9 percent slopes

Component: Hillgate (85%)
The Hillgate component makes up 85 percent of the map unit. Slopes are 2 to 9 percent. This component is on terraces. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is low. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Pleasanton (3%)
Generated brief soil descriptions are created for major components. The Pleasanton soil is a minor component.

Component: San Ysidro (2%)
Generated brief soil descriptions are created for major components. The San Ysidro soil is a minor component.

Map Unit LhG (3.88%)

Map Unit Name:	Los Gatos-Gaviota complex, 50 to 75 percent slopes
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Los Gatos(60%)

horizon A1(0cm to 7cm)	Gravelly loam
horizon A2(7cm to 25cm)	Gravelly loam
horizon Bt1(25cm to 41cm)	Gravelly clay loam
horizon Bt2(41cm to 69cm)	Gravelly clay loam
horizon Bt3(69cm to 89cm)	Gravelly clay loam
horizon R(89cm to 99cm)	Bedrock

Gaviota(25%)

horizon A1(0cm to 13cm)	Gravelly loam
horizon A2(13cm to 48cm)	Gravelly loam
horizon R(48cm to 58cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: LhG - Los Gatos-Gaviota complex, 50 to 75 percent slopes

Component: Los Gatos (60%)
The Los Gatos component makes up 60 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountain slopes. The parent material consists of residuum weathered from shale and/or residuum weathered from sandstone. Depth to a root restrictive

layer, bedrock, lithic, is 25 to 50 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 3 percent. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Gaviota (25%)
The Gaviota component makes up 25 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountain slopes. The parent material consists of residuum weathered from shale and/or residuum weathered from sandstone. Depth to a root restrictive layer, bedrock, lithic, is 10 to 20 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the R015XD093CA Shallow Loamy ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Altamont (4%)
Generated brief soil descriptions are created for major soil components. The Altamont soil is a minor component.

Component: Los Osos (4%)
Generated brief soil descriptions are created for major soil components. The Los Osos soil is a minor component.

Component: Rock outcrop (4%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Vallecitos (3%)
Generated brief soil descriptions are created for major soil components. The Vallecitos soil is a minor component.

Map Unit PfE (0.04%)

Map Unit Name:	Parrish gravelly clay loam, 9 to 30 percent slopes
Bedrock Depth - Min:	97cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Parrish(85%)

horizon H1(0cm to 20cm)	Gravelly clay loam
horizon H2(20cm to 48cm)	Gravelly clay loam
horizon H3(48cm to 97cm)	Gravelly clay
horizon H3(48cm to 97cm)	Gravelly clay loam
horizon H4(97cm to 107cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: PfE - Parrish gravelly clay loam, 9 to 30 percent slopes

Component: Parrish (85%)
The Parrish component makes up 85 percent of the map unit. Slopes are 9 to 30 percent. This component is on mountain slopes. The parent material consists of shale. Depth to a root restrictive layer, bedrock, lithic, is 24 to 42 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 4 percent. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Los Gatos (3%)
Generated brief soil descriptions are created for major components. The Los Gatos soil is a minor component.

Component: Gaviota (2%)

Soil Information

Generated brief soil descriptions are created for major components. The Gaviota soil is a minor component.

Map Unit PpC (0.02%)

Map Unit Name:	Pleasanton gravelly loam, 2 to 9 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Pleasanton(85%)

horizon H1(0cm to 46cm)	Gravelly loam
horizon H2(46cm to 112cm)	Gravelly clay loam
horizon H3(112cm to 168cm)	Gravelly sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: PpC - Pleasanton gravelly loam, 2 to 9 percent slopes

Component: Pleasanton (85%)
The Pleasanton component makes up 85 percent of the map unit. Slopes are 2 to 9 percent. This component is on terraces, alluvial fans. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 2s. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Cropley (3%)
Generated brief soil descriptions are created for major components. The Cropley soil is a minor component.

Component: Hillgate (3%)
Generated brief soil descriptions are created for major components. The Hillgate soil is a minor component.

Component: Garretson (3%)
Generated brief soil descriptions are created for major components. The Garretson soil is a minor component.

Map Unit PpD2 (0.09%)

Map Unit Name:	Pleasanton gravelly loam, 9 to 15 percent slopes, eroded
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Major components are printed below

Pleasanton(85%)

horizon H1(0cm to 46cm)	Gravelly loam
horizon H2(46cm to 112cm)	Gravelly clay loam
horizon H3(112cm to 168cm)	Gravelly sandy clay loam

Component Description:

Minor map unit components are excluded from this report.

Soil Information

Map Unit: PpD2 - Pleasanton gravelly loam, 9 to 15 percent slopes, eroded

Component: Pleasanton (85%)
The Pleasanton component makes up 85 percent of the map unit. Slopes are 9 to 15 percent. This component is on alluvial fans, terraces. The parent material consists of alluvium. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 3e. Irrigated land capability classification is 3e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: HILLGATE (3%)
Generated brief soil descriptions are created for major components. The HILLGATE soil is a minor component.

Map Unit Rg (0.88%)

Map Unit Name:	Riverwash
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	31cm
Drainage Class - Dominant:	null
Hydrologic Group - Dominant:	null

Major components are printed below

Riverwash(100%)

horizon H1(0cm to 15cm)	Sand
horizon H2(15cm to 152cm)	SR to coarse sand to sandy loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: Rg - Riverwash

Component: Riverwash (100%)
Generated brief soil descriptions are created for major soil components. The Riverwash is a miscellaneous area.

Map Unit RnG (0.29%)

Map Unit Name:	Rock land
Bedrock Depth - Min:	0cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	null
Hydrologic Group - Dominant:	null

Major components are printed below

Component Description:

Minor map unit components are excluded from this report.

Map Unit: RnG - Rock land

Component: Rock land (50%)
Generated brief soil descriptions are created for major soil components. The Rock land is a miscellaneous area.

Component: Lithic Xerorthents (40%)
The Lithic Xerorthents component makes up 40 percent of the map unit. Slopes are 50 to 75 percent. This component is on mountain slopes. The parent material consists of alluvium. Depth to a root restrictive layer, bedrock, lithic, is 8 to 20 inches. The natural drainage class is excessively drained. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Nonirrigated land

capability classification is 7e. This soil does not meet hydric criteria.

Component: GAVIOTA (4%)
Generated brief soil descriptions are created for major soil components. The GAVIOTA, LOAM soil is a minor component.

Component: Vallecitos (3%)
Generated brief soil descriptions are created for major soil components. The Vallecitos, rocky loam soil is a minor component.

Component: Montara (3%)
Generated brief soil descriptions are created for major soil components. The Montara, rocky cl soil is a minor component.

Map Unit VaE2 (23.42%)

Map Unit Name:	Vallecitos rocky loam, 15 to 30 percent slopes, eroded
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Major components are printed below

Vallecitos(85%)

horizon A1(0cm to 5cm)	Loam
horizon A2(5cm to 25cm)	Loam
horizon Bt1(25cm to 41cm)	Clay
horizon Bt2(41cm to 48cm)	Clay
horizon R(48cm to 58cm)	Bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: VaE2 - Vallecitos rocky loam, 15 to 30 percent slopes, eroded

Component: Vallecitos (85%)
The Vallecitos component makes up 85 percent of the map unit. Slopes are 15 to 30 percent. This component is on mountains. The parent material consists of residuum weathered from shale. Depth to a root restrictive layer, bedrock, lithic, is 16 to 30 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is high. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XD093CA Shallow Loamy ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Rock outcrop (10%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Gaviota (3%)
Generated brief soil descriptions are created for major soil components. The Gaviota soil is a minor component.

Component: Montara (2%)
Generated brief soil descriptions are created for major soil components. The Montara soil is a minor component.

Map Unit VaG2 (15.46%)

Map Unit Name:	Vallecitos rocky loam, 50 to 75 percent slopes, eroded
Bedrock Depth - Min:	48cm
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	D - Soils in this group have high runoff potential when thoroughly wet. Water movement through the soil is restricted or very restricted.

Soil Information

Major components are printed below

Vallecitos(85%)

horizon H1(0cm to 25cm)	Loam
horizon H2(25cm to 48cm)	Clay
horizon H3(48cm to 58cm)	Unweathered bedrock

Component Description:

Minor map unit components are excluded from this report.

Map Unit: VaG2 - Vallecitos loam, 30 to 75 percent slopes, eroded, MLRA 15

Component: Vallecitos (80%)
The Vallecitos component makes up 80 percent of the map unit. Slopes are 30 to 75 percent. This component is on ridges on mountains, hillslopes on hills, mountain slopes on mountains. The parent material consists of residuum weathered from shale. Depth to a root restrictive layer, bedrock, lithic, is 12 to 24 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is very low. Available water to a depth of 60 inches (or restricted depth) is very low. Shrink-swell potential is moderate. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. This component is in the R015XD130CA Shallow Loamy, Steep Shallow Loamy Uplands ecological site. Nonirrigated land capability classification is 7e. This soil does not meet hydric criteria. There are no saline horizons within 30 inches of the soil surface.

Component: Rock outcrop (10%)
Generated brief soil descriptions are created for major soil components. The Rock outcrop soil is a minor component.

Component: Los Osos (3%)
Generated brief soil descriptions are created for major soil components. The Los Osos soil is a minor component.

Component: Los Gatos (3%)
Generated brief soil descriptions are created for major soil components. The Los Gatos soil is a minor component.

Component: Henneke (3%)
Generated brief soil descriptions are created for major soil components. The Henneke soil is a minor component.

Component: Gaviota (1%)
Generated brief soil descriptions are created for major soil components. The Gaviota soil is a minor component.

Map Unit W (0.29%)

Map Unit Name:	WATER

No more attributes available for this map unit

Component Description:

Minor map unit components are excluded from this report.

Map Unit: W - WATER

Component: Water (100%)
Generated brief soil descriptions are created for major soil components. The Water is a miscellaneous area.

Map Unit YaB (0.01%)

Map Unit Name:	Yolo loam, 2 to 5 percent slopes
Bedrock Depth - Min:	null
Watertable Depth - Annual Min:	null
Drainage Class - Dominant:	Well drained
Hydrologic Group - Dominant:	C - Soils in this group have moderately high runoff potential when thoroughly wet. Water transmission through the soil is somewhat restricted.

Soil Information

Major components are printed below

Yolo(85%)

horizon H1(0cm to 74cm)	Loam
horizon H2(74cm to 152cm)	SR to loam to silty clay loam

Component Description:

Minor map unit components are excluded from this report.

Map Unit: YaB - Yolo loam, 0 to 8 percent slopes, MLRA 15

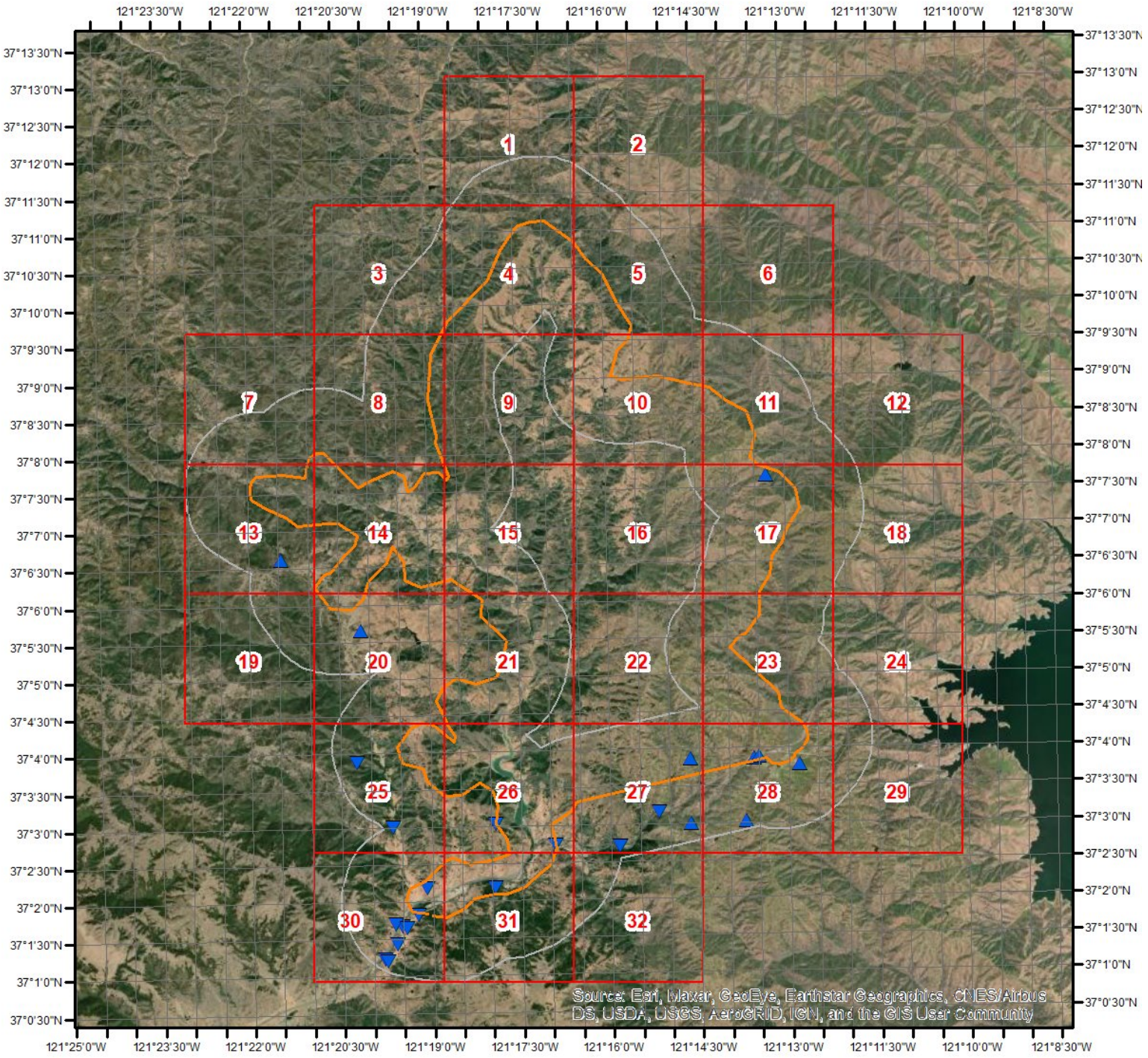
Component: Yolo (85%)
The Yolo component makes up 85 percent of the map unit. Slopes are 0 to 8 percent. This component is on high flood plains on valleys. The parent material consists of loamy alluvium derived from metamorphic and sedimentary rock. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is rarely flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 2 percent. Nonirrigated land capability classification is 4e. Irrigated land capability classification is 2e. This soil does not meet hydric criteria. The calcium carbonate equivalent within 40 inches, typically, does not exceed 1 percent. There are no saline horizons within 30 inches of the soil surface. The soil has a maximum sodium adsorption ratio of 1 within 30 inches of the soil surface.

Component: Unnamed (5%)
Generated brief soil descriptions are created for major soil components. The Unnamed soil is a minor component.

Component: Sycamore (5%)
Generated brief soil descriptions are created for major soil components. The Sycamore soil is a minor component.

Component: Livermore (5%)
Generated brief soil descriptions are created for major soil components. The Livermore soil is a minor component.

Wells and Additional Sources



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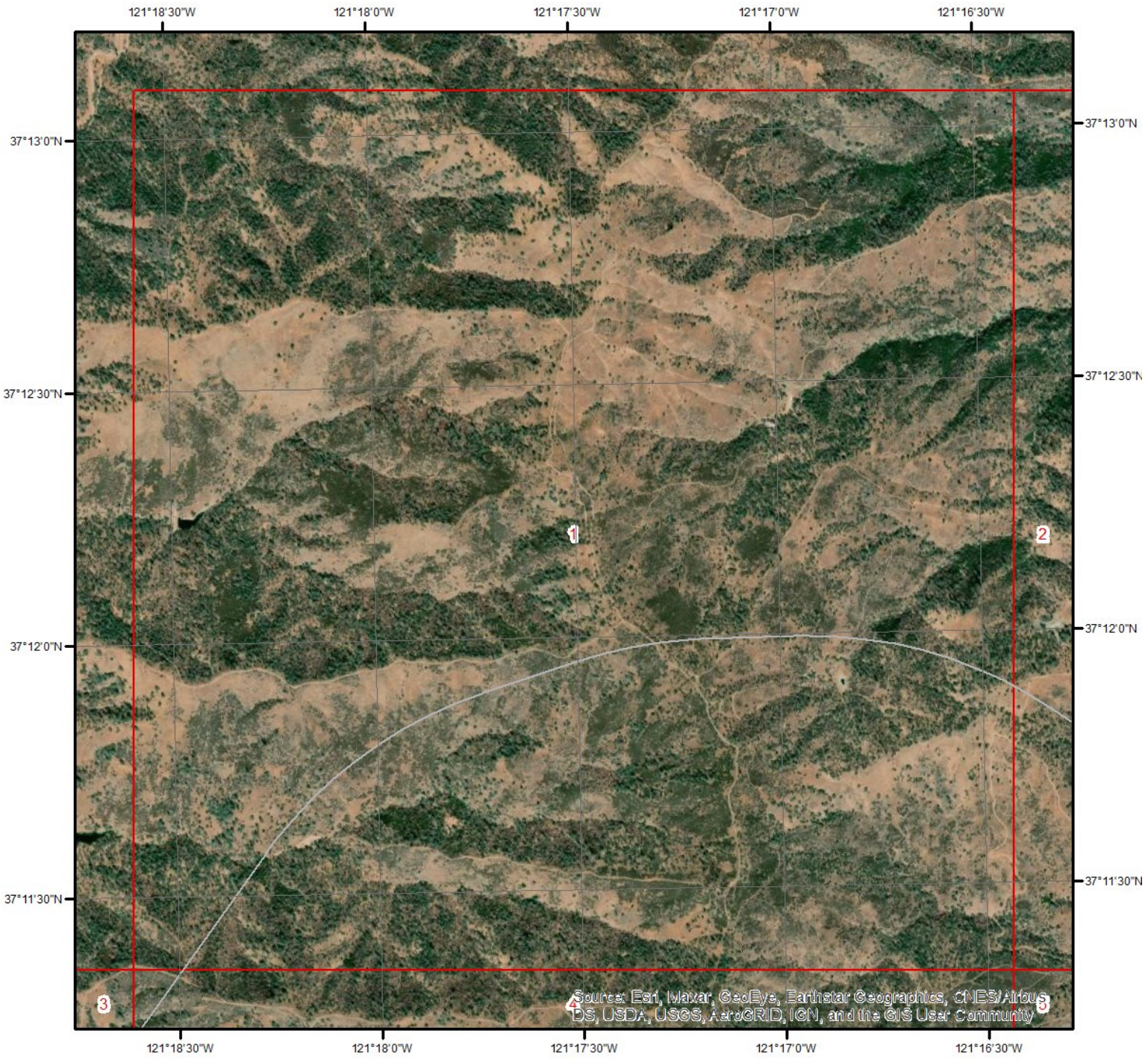
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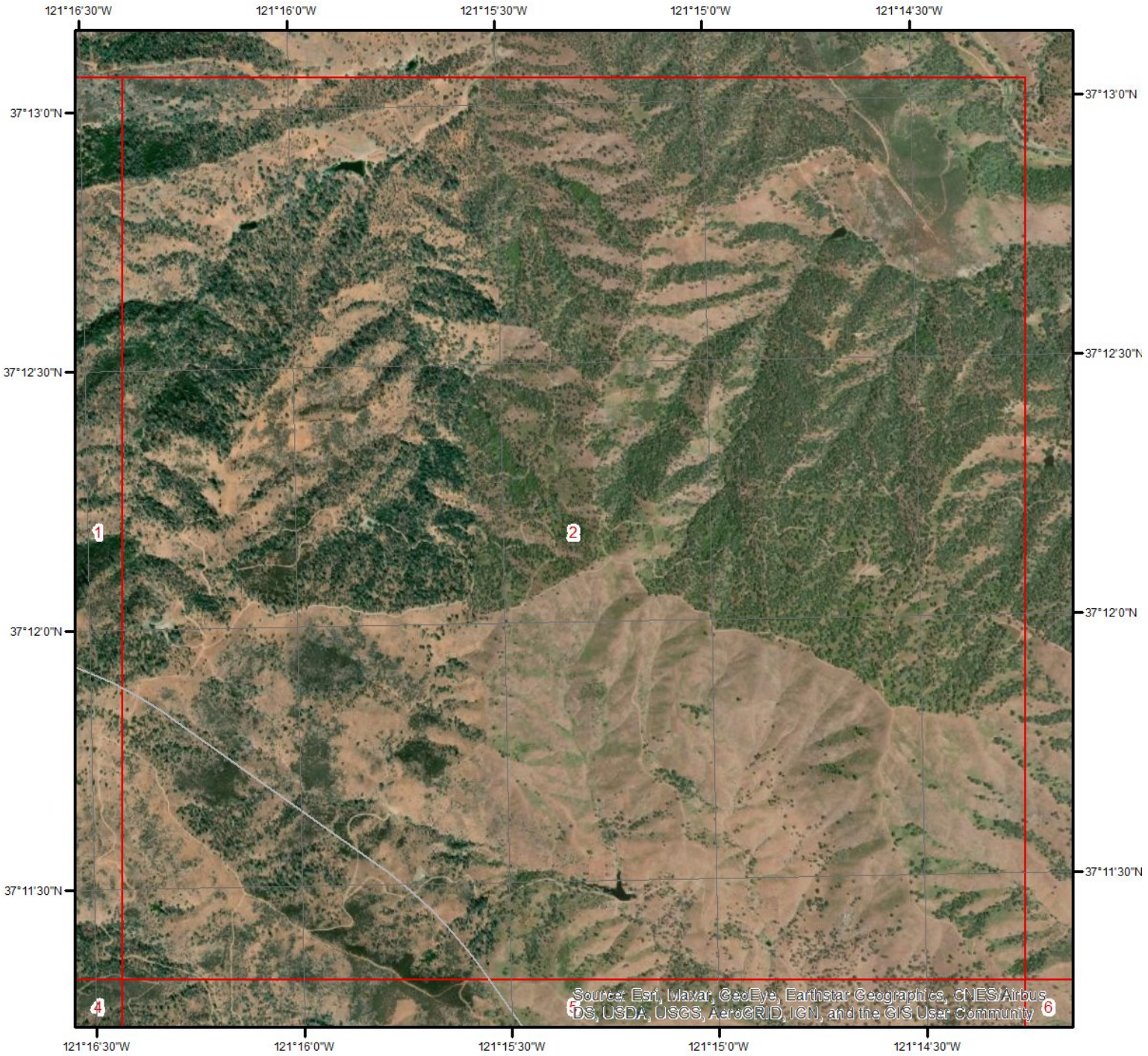
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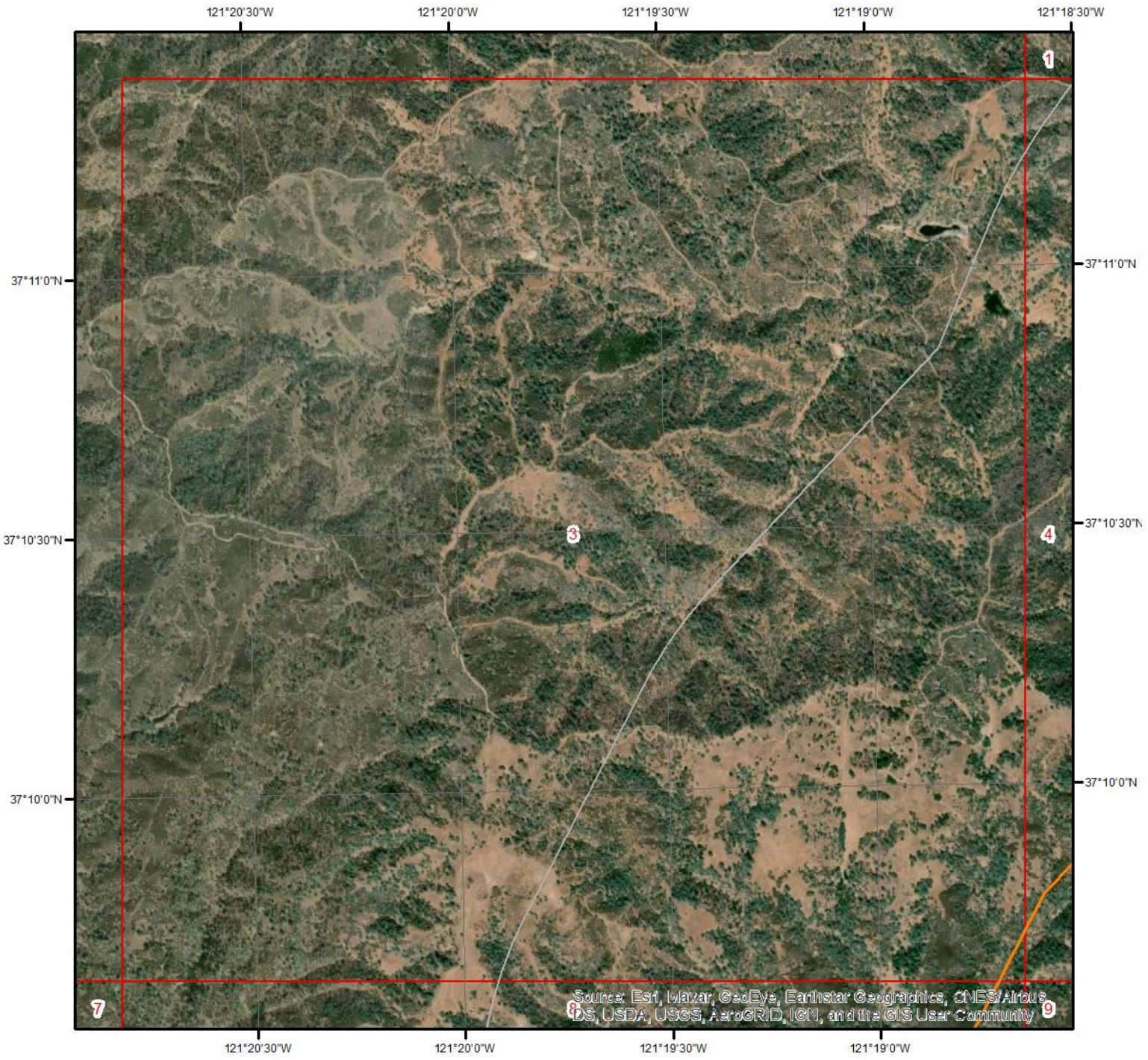
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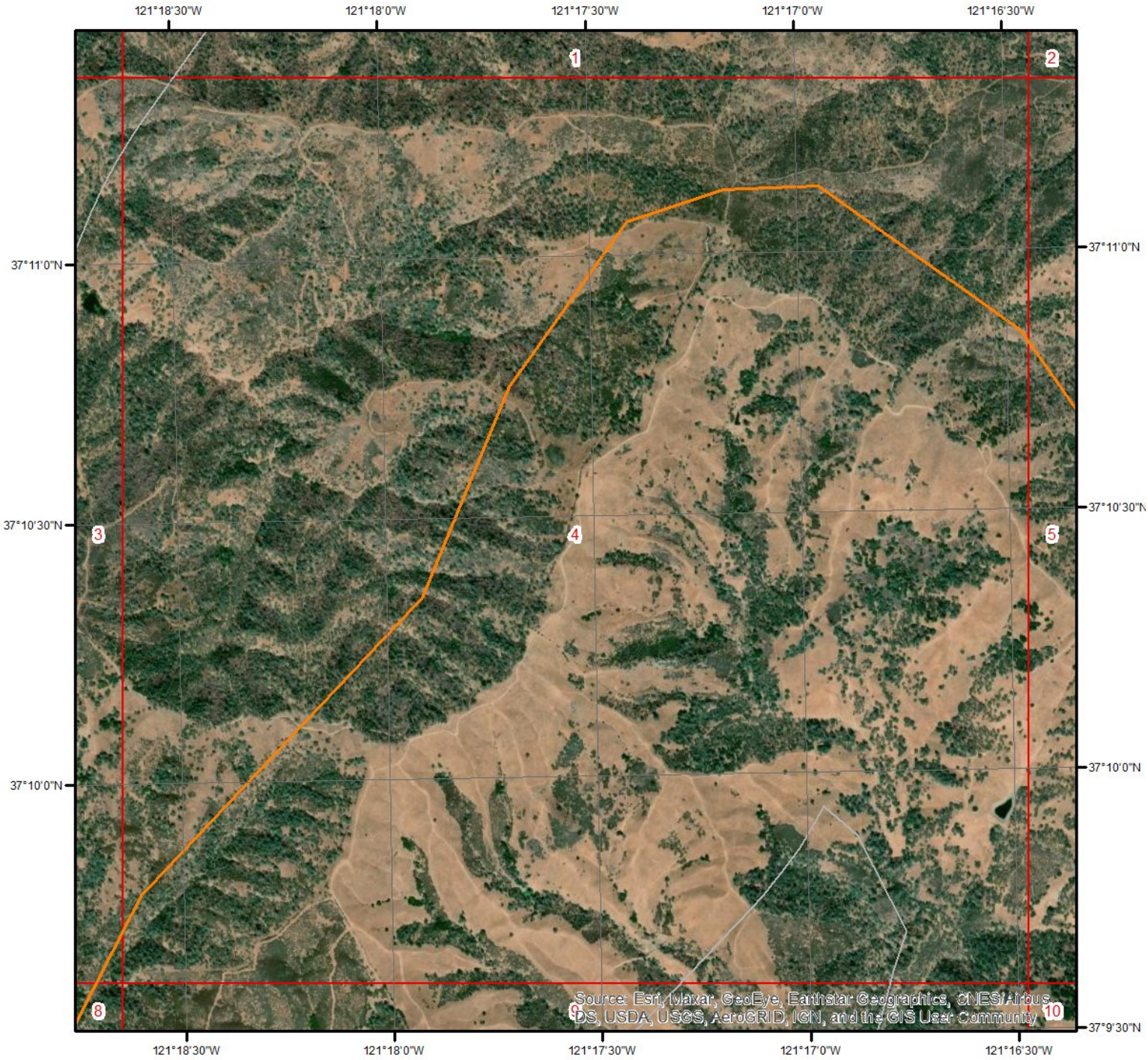
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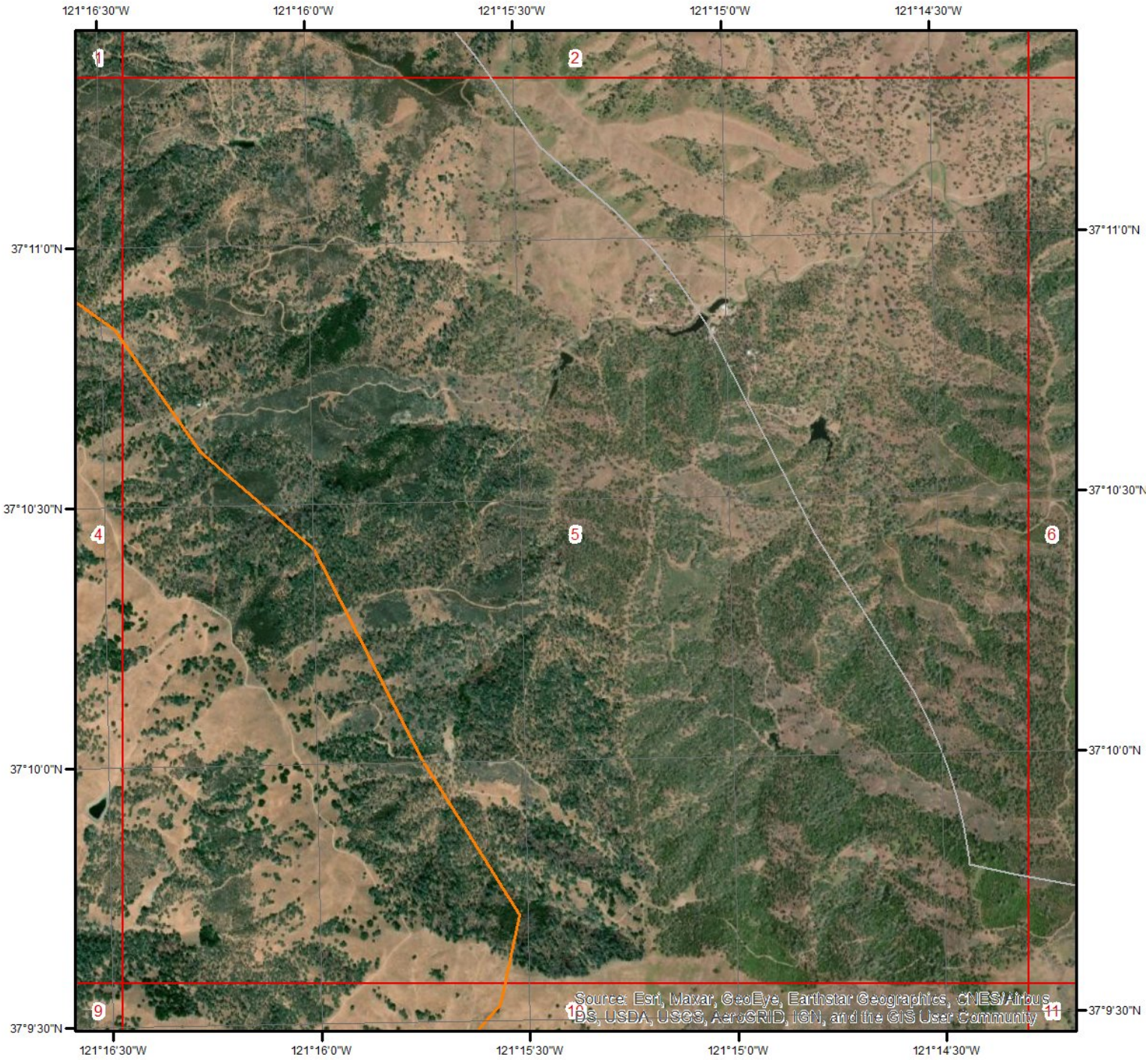
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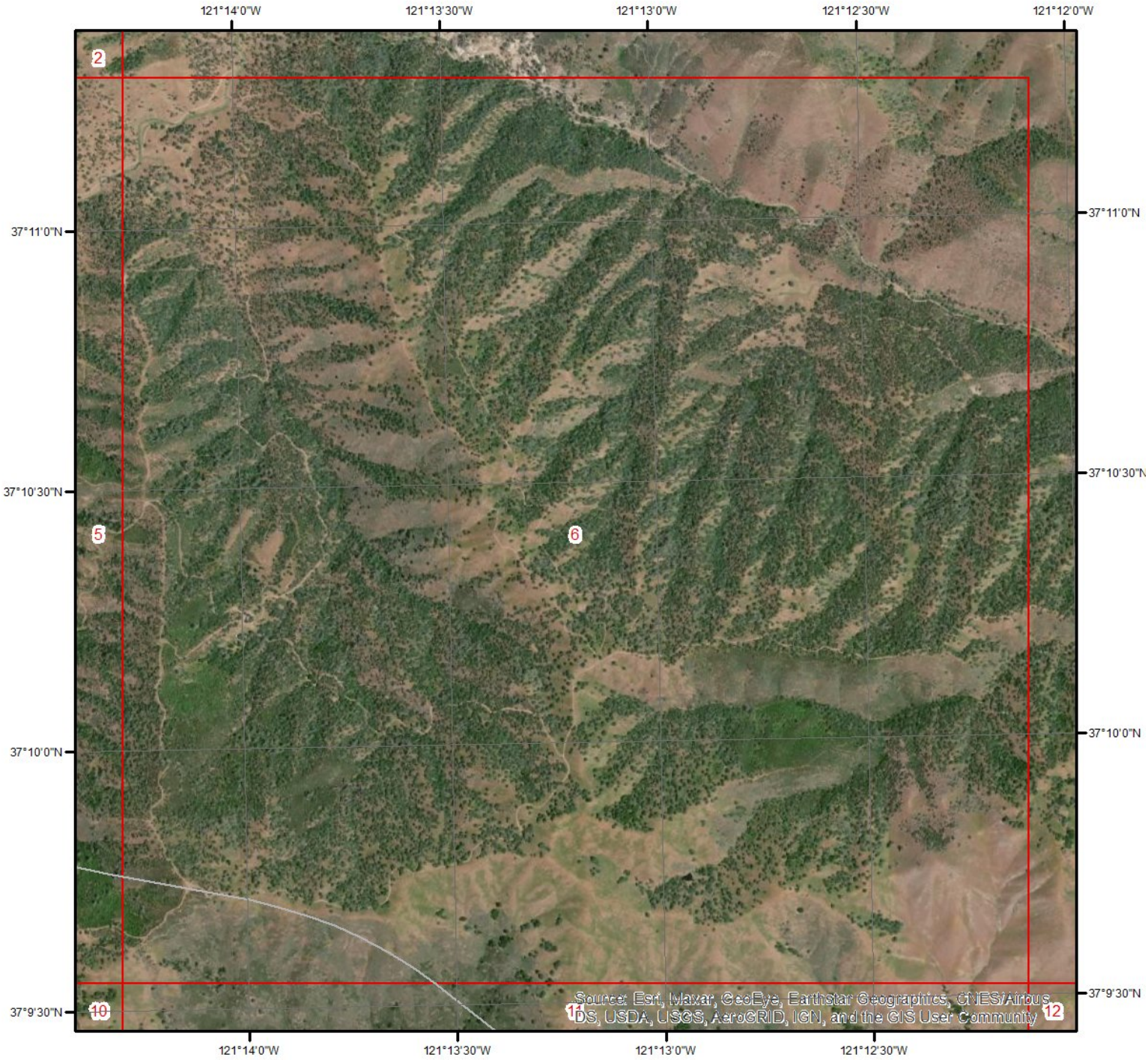
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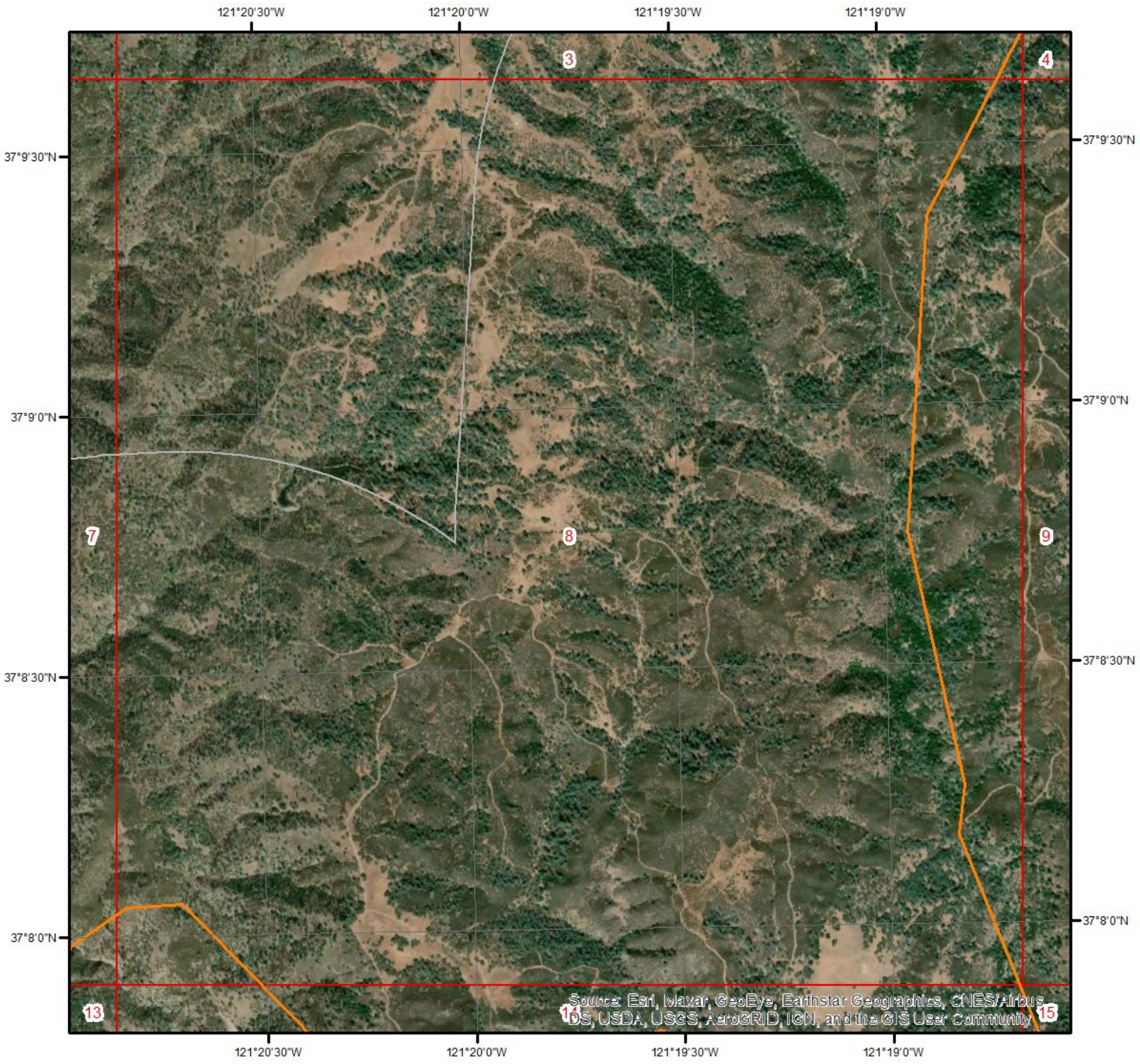
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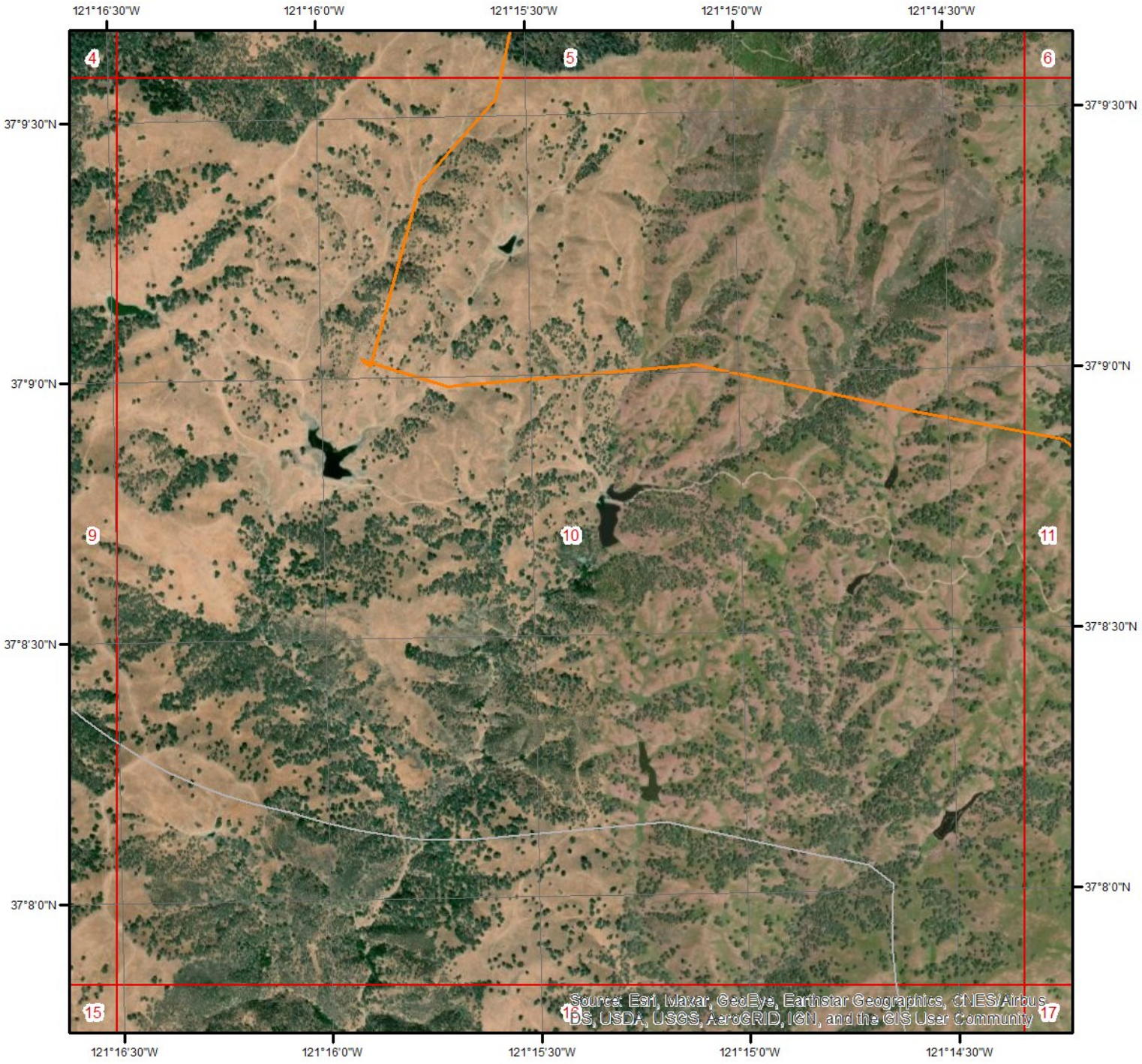
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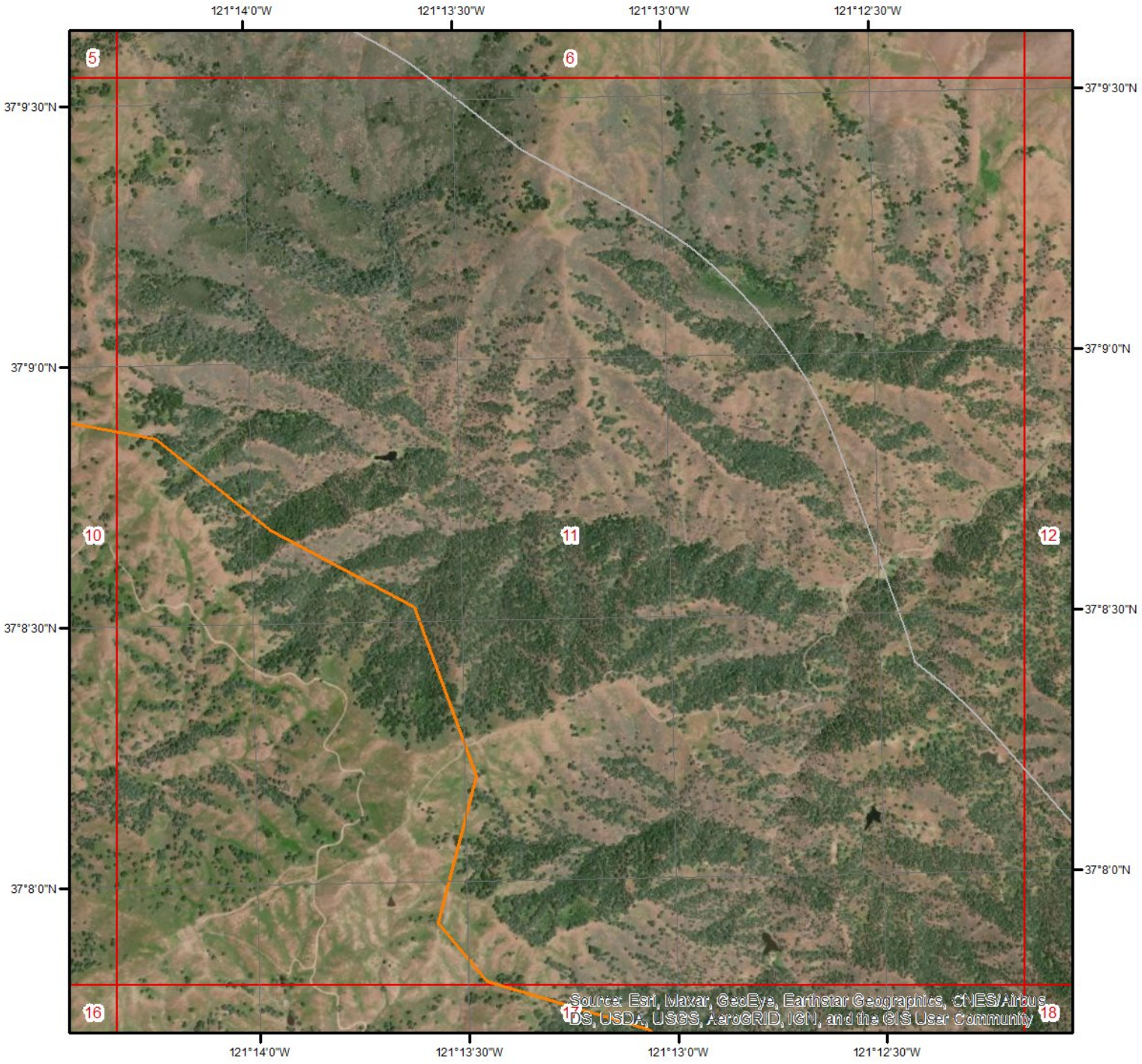
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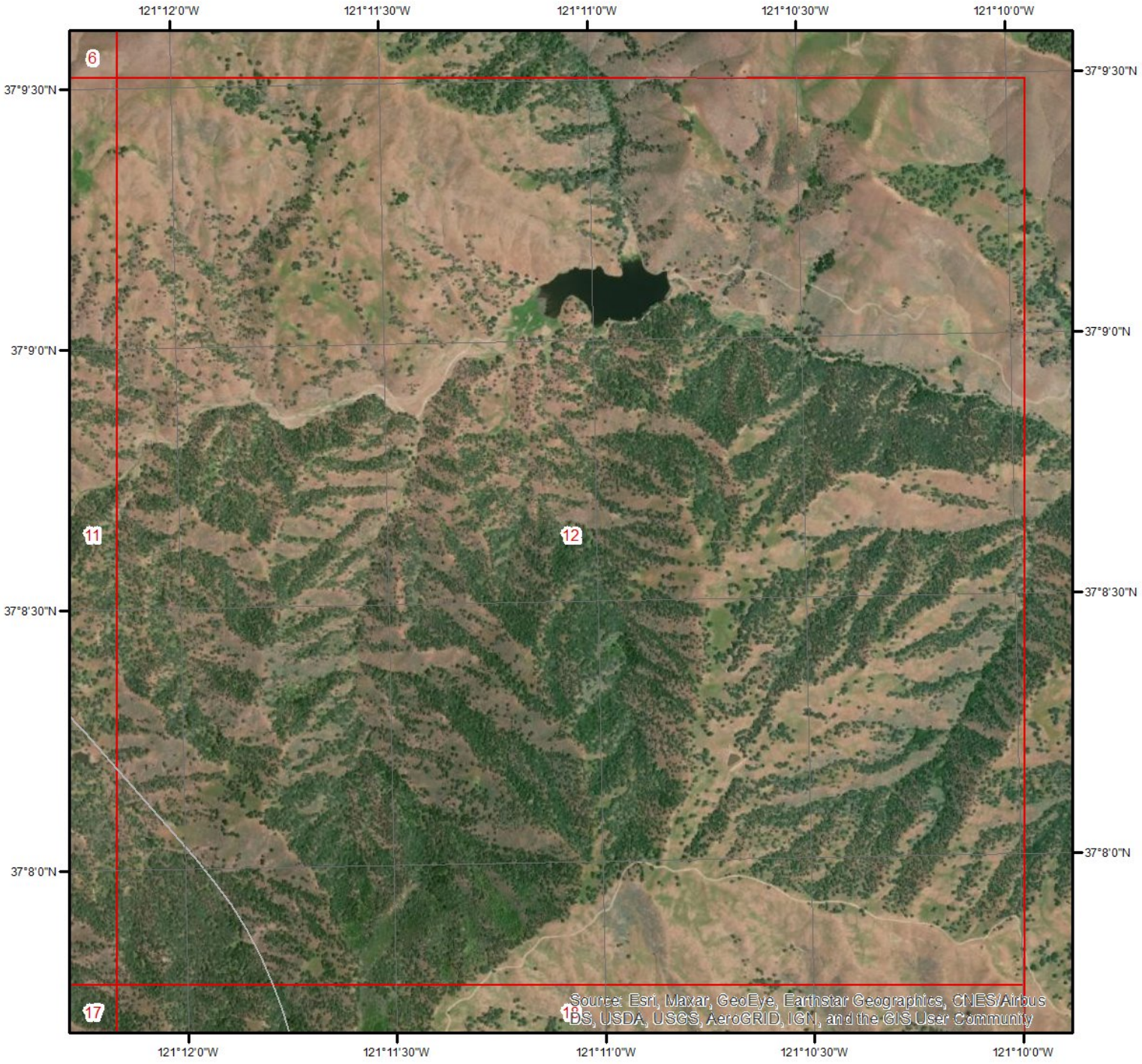
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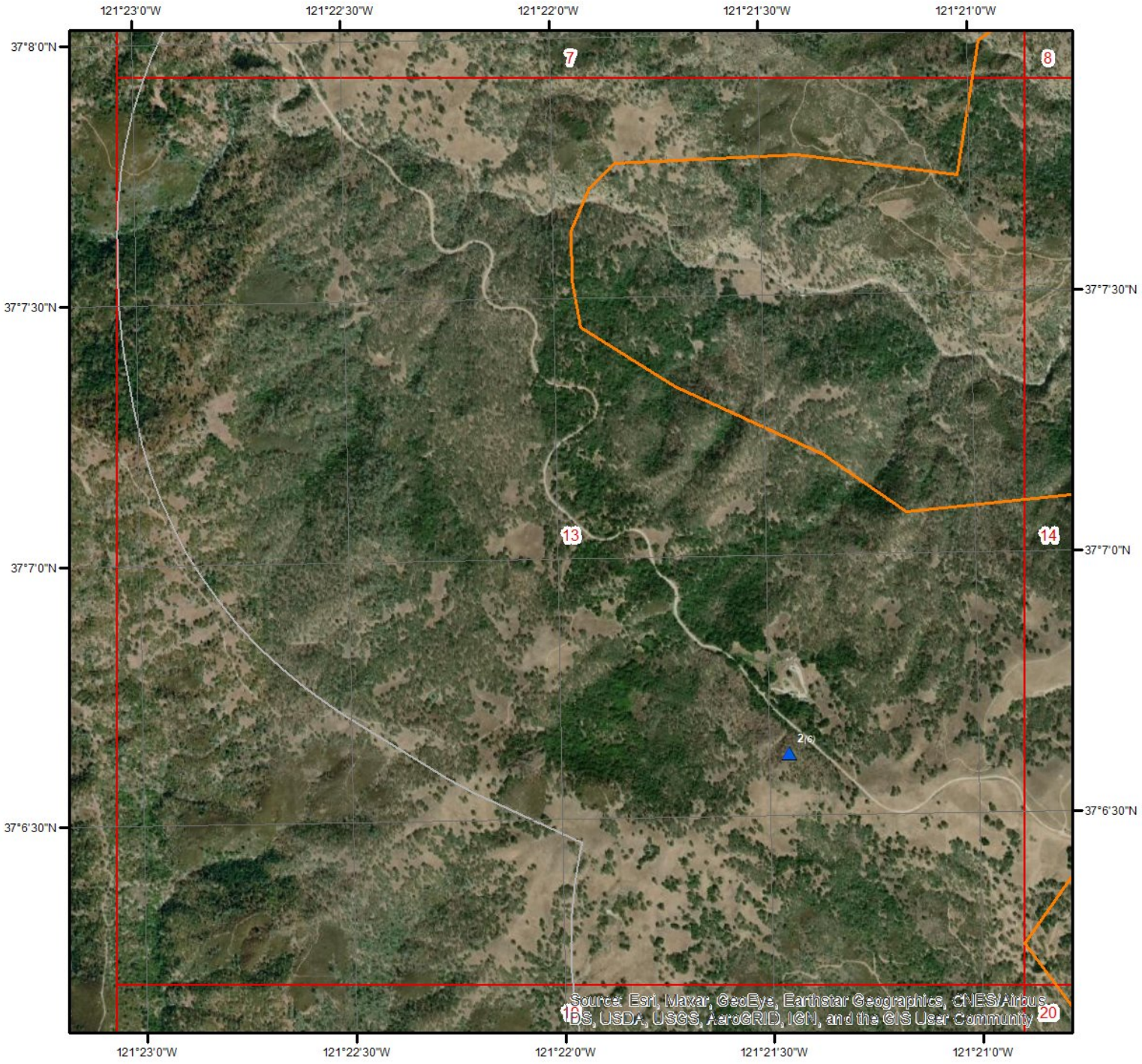
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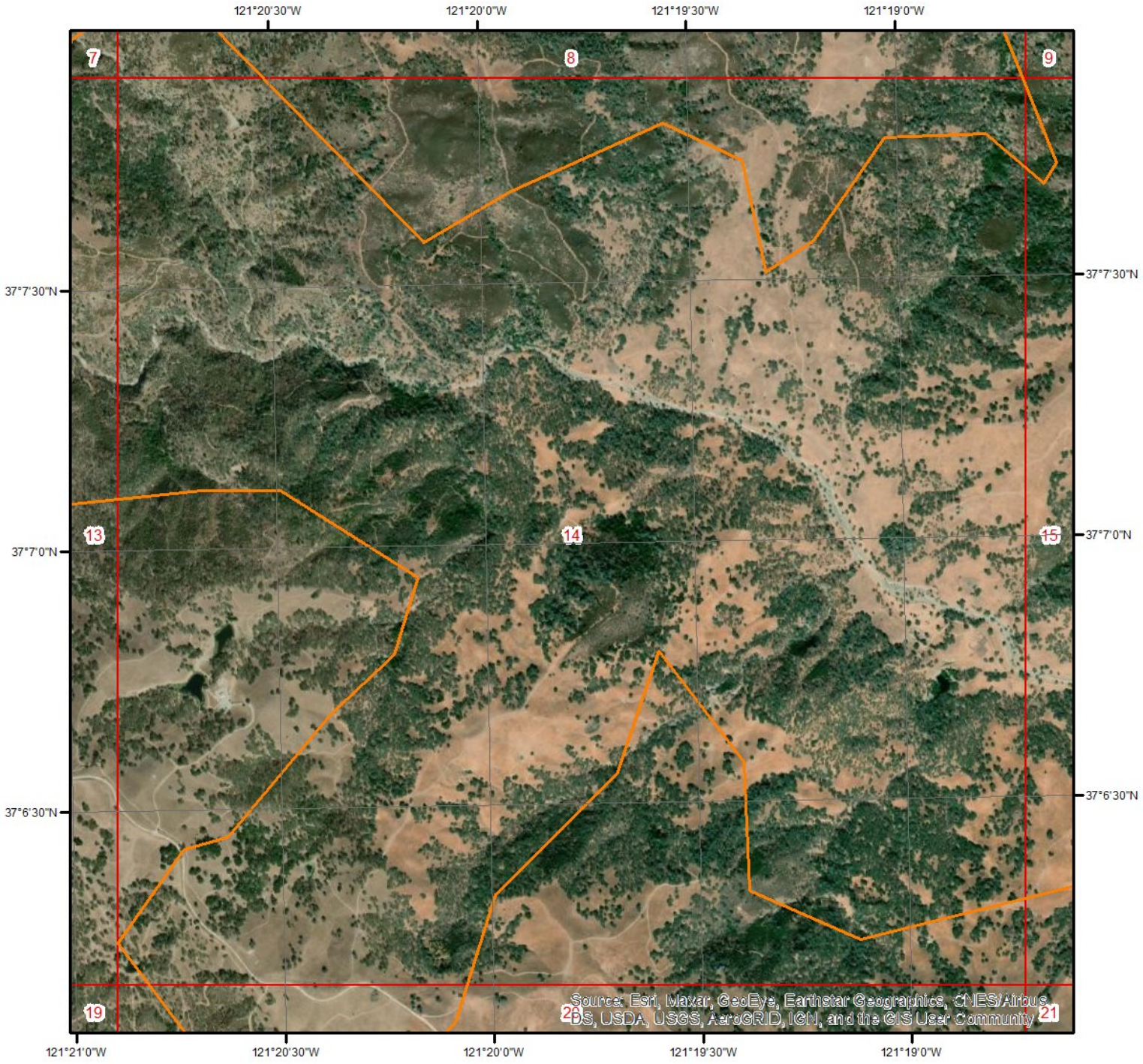
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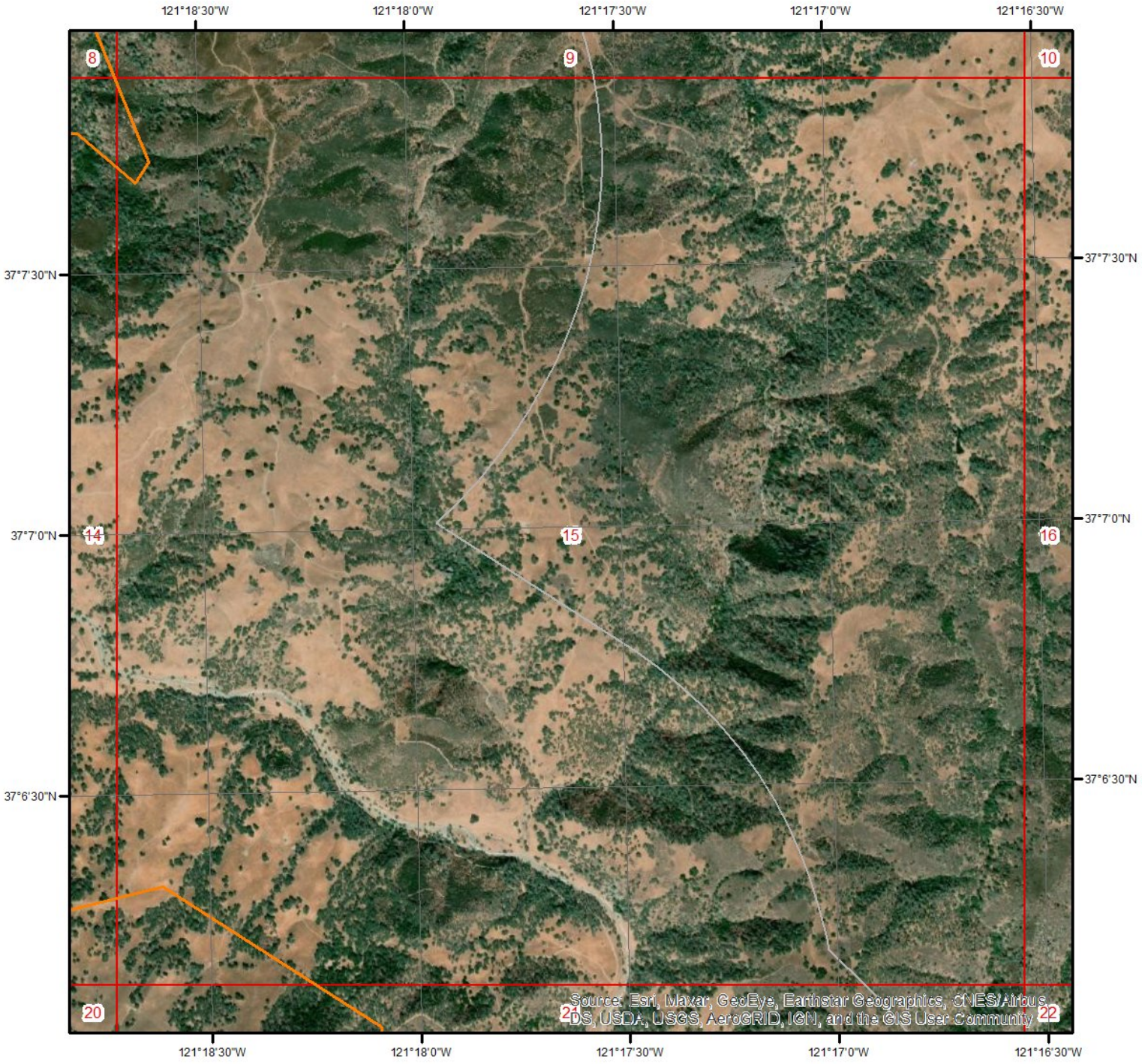
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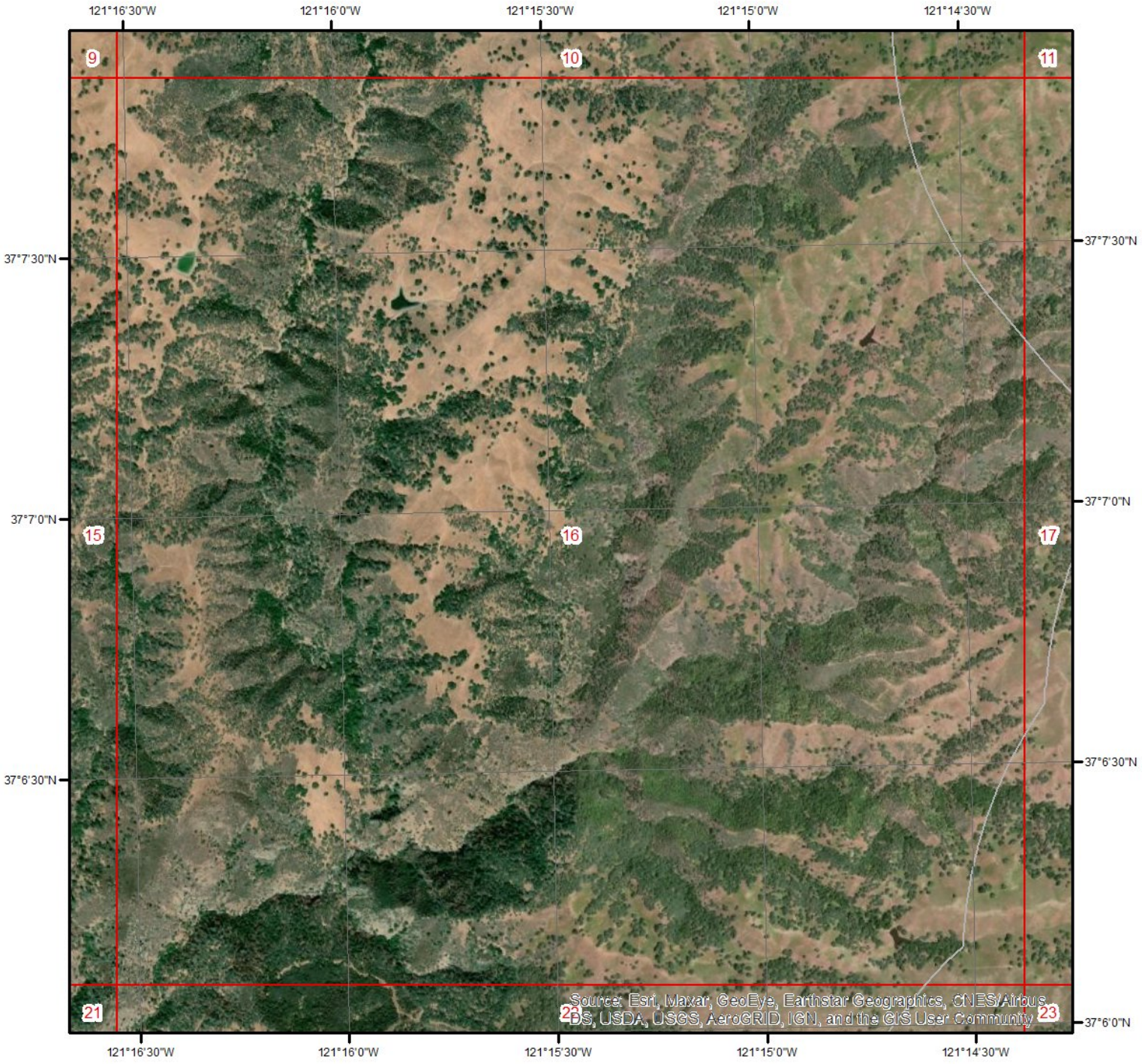
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Miles
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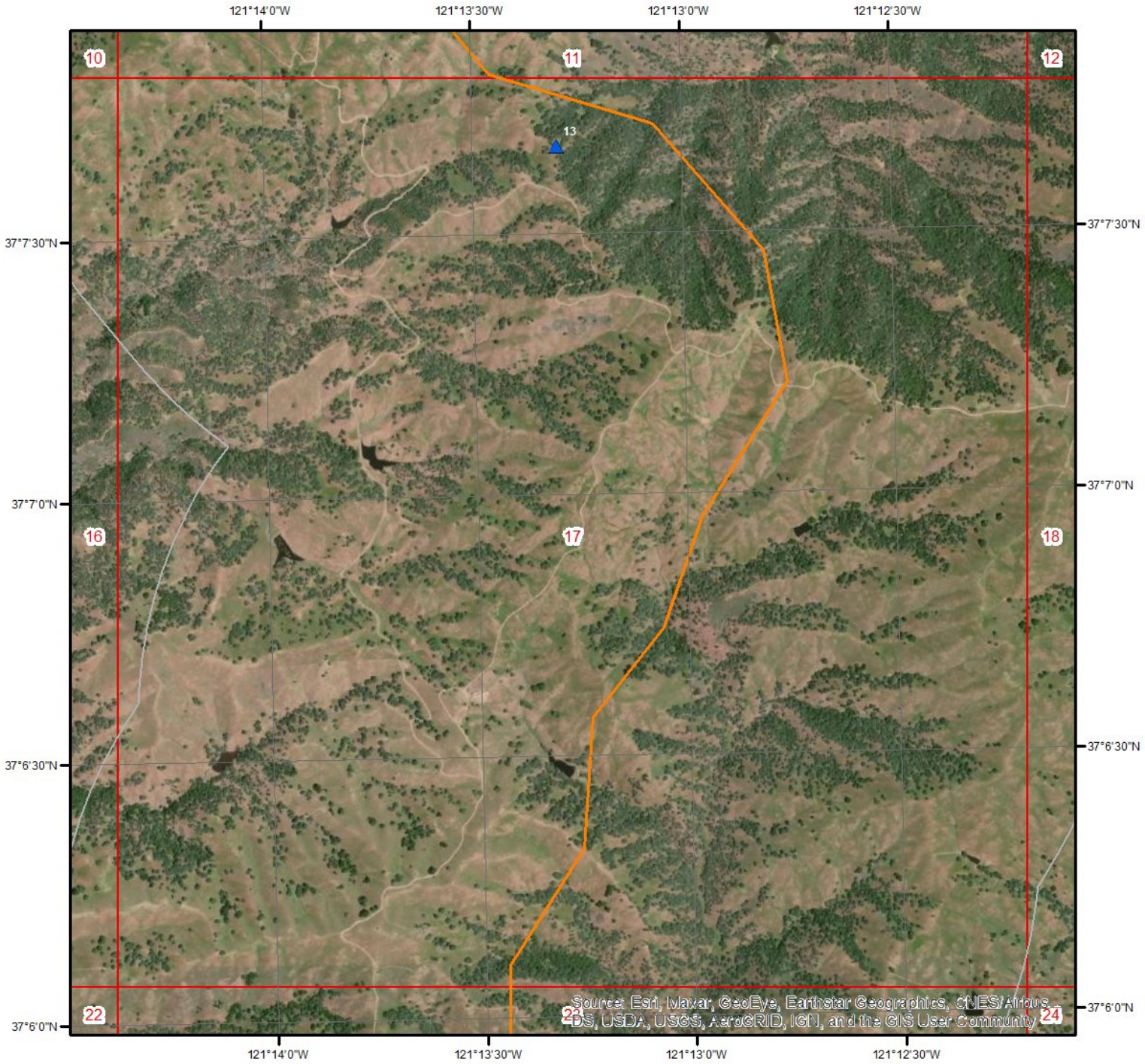
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Miles
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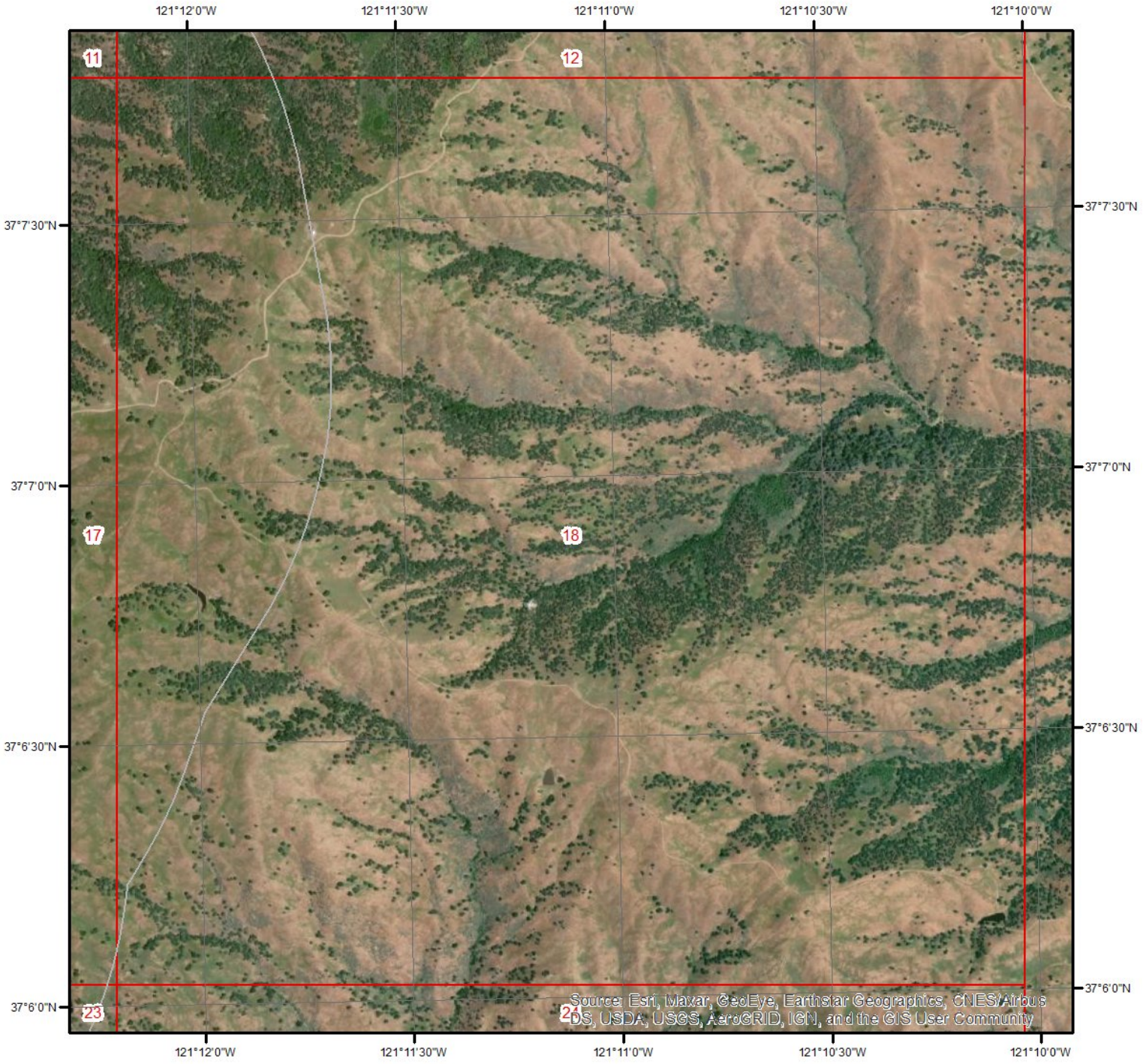
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- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 18

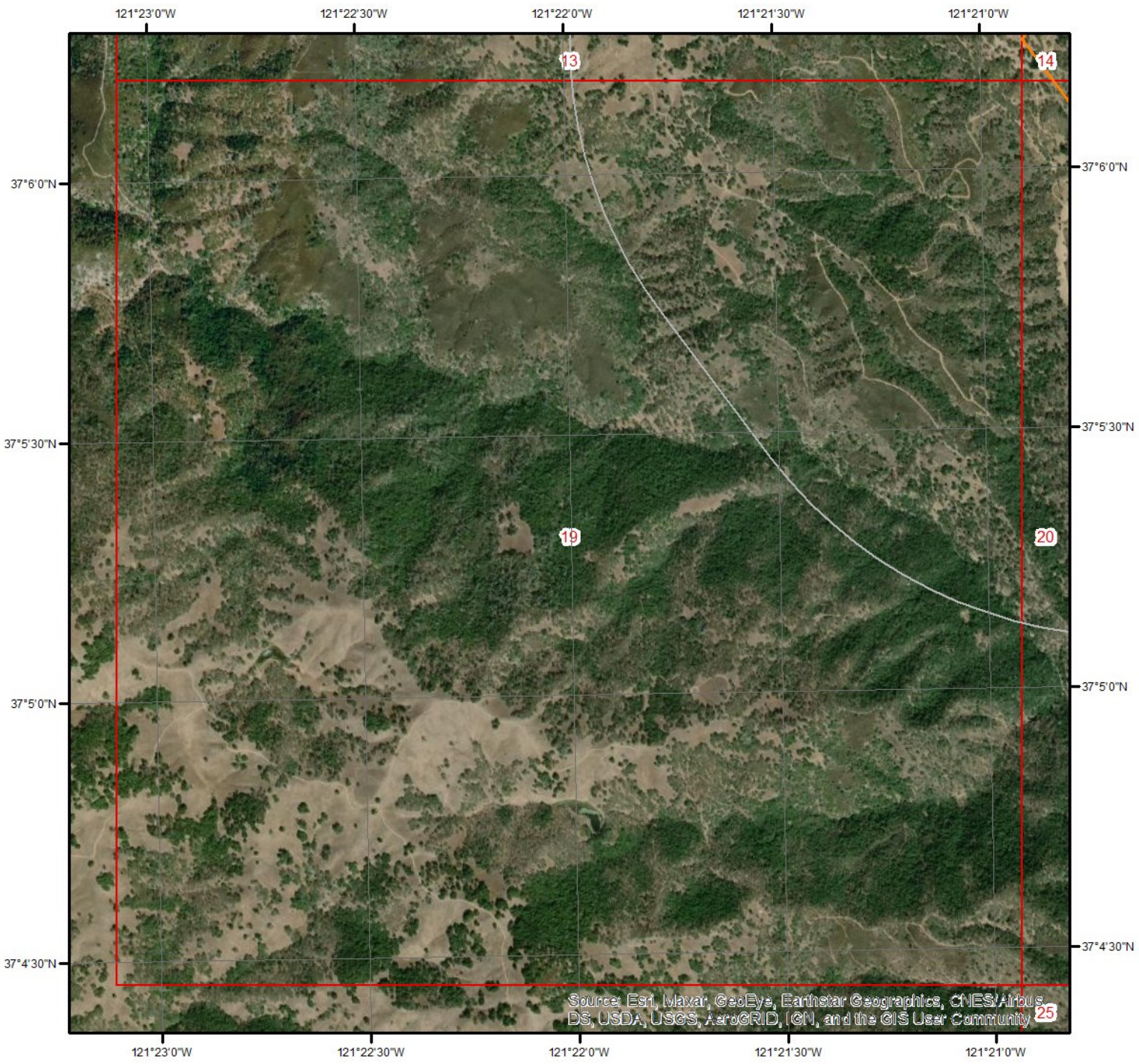
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 19

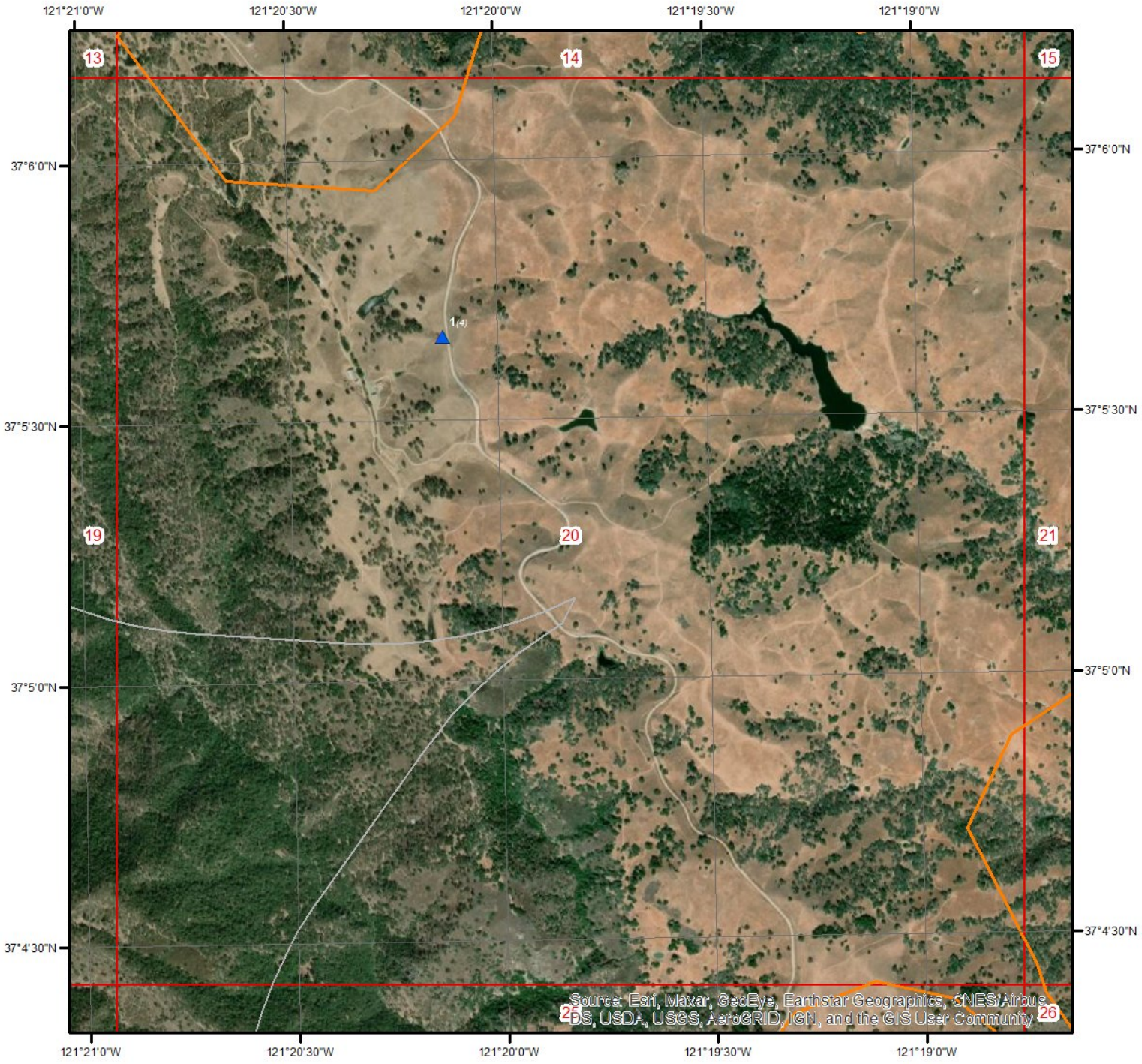
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 20

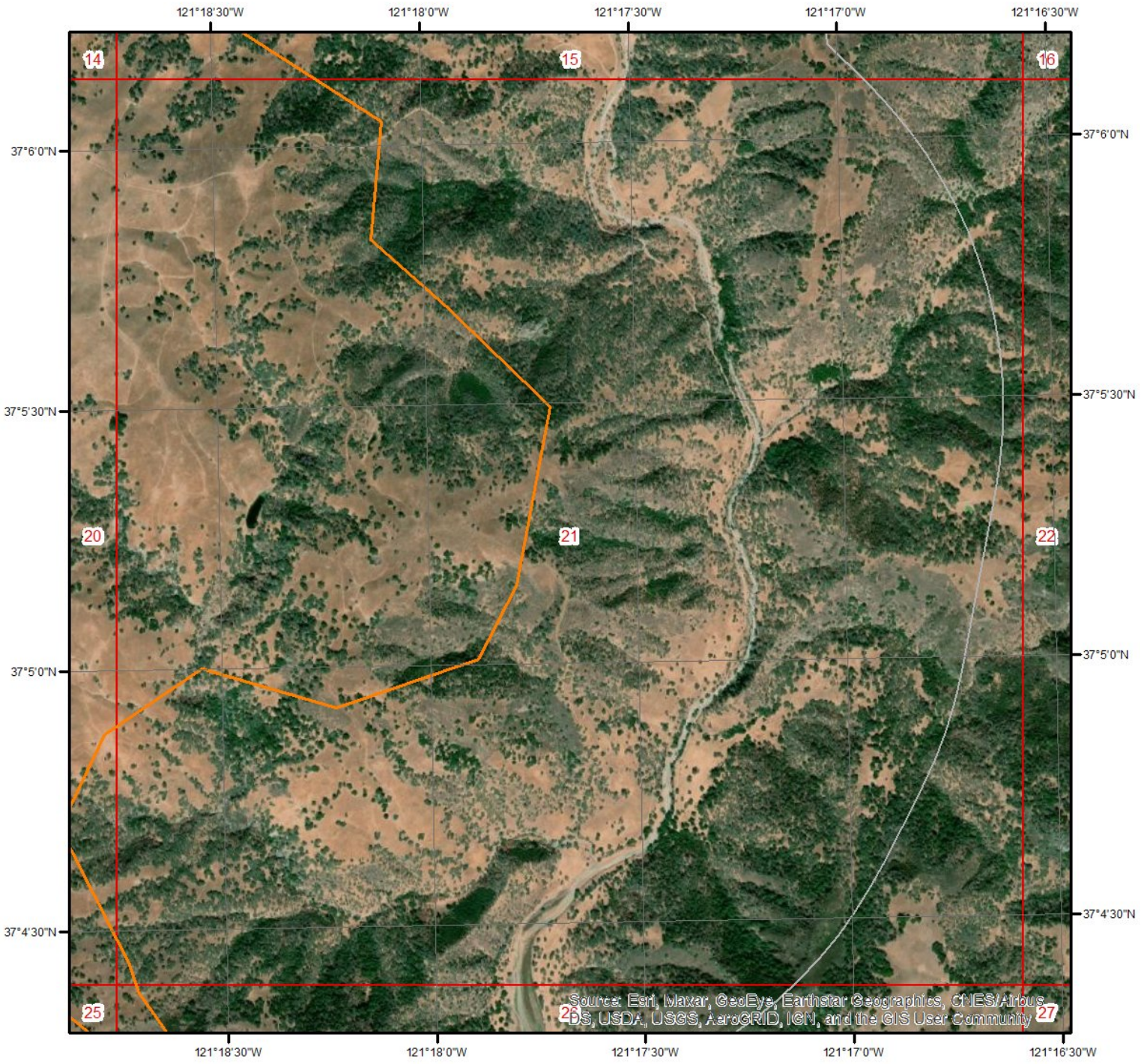
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 21

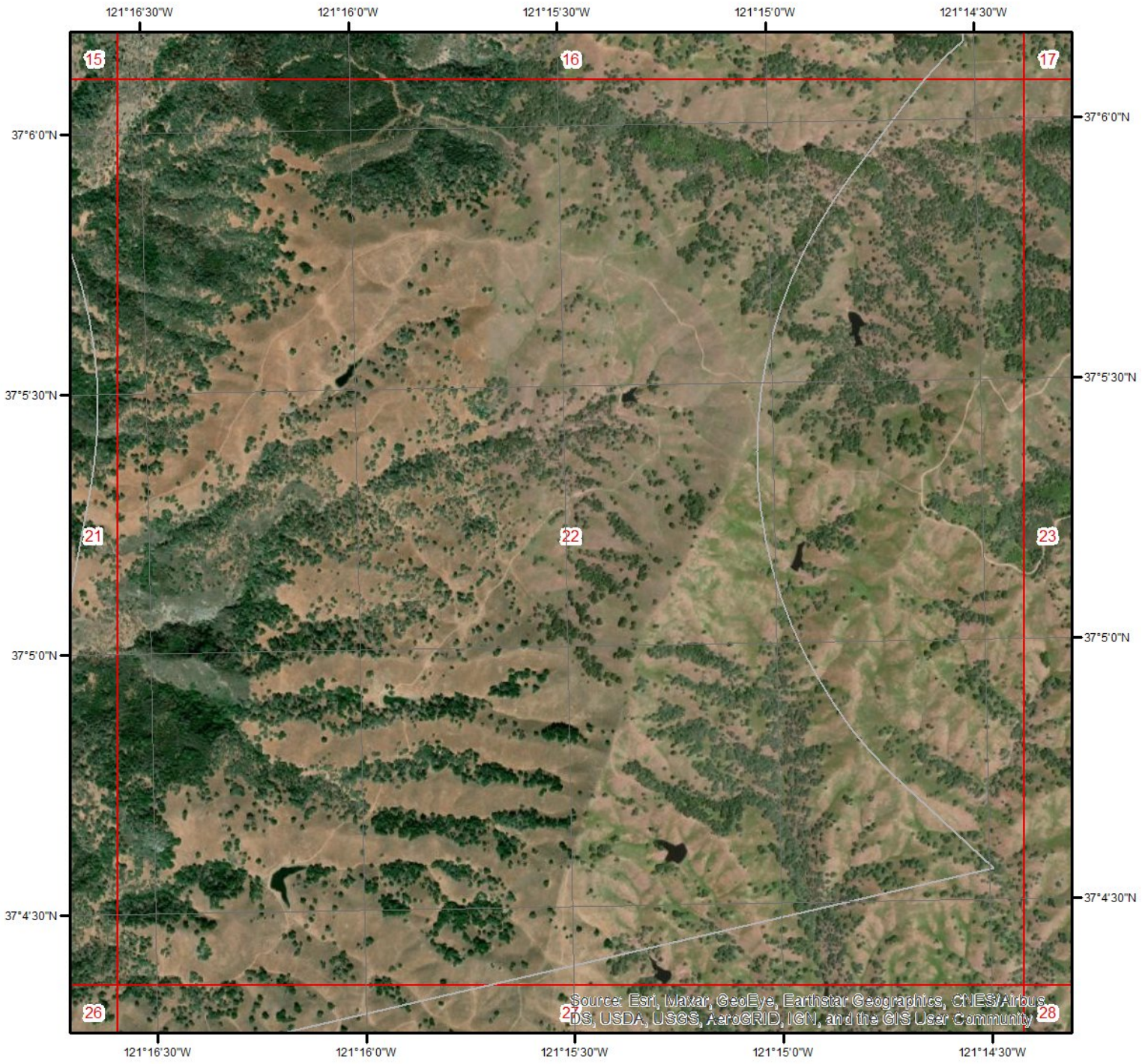
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

0 0.15 0.3 0.6 Miles

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 22

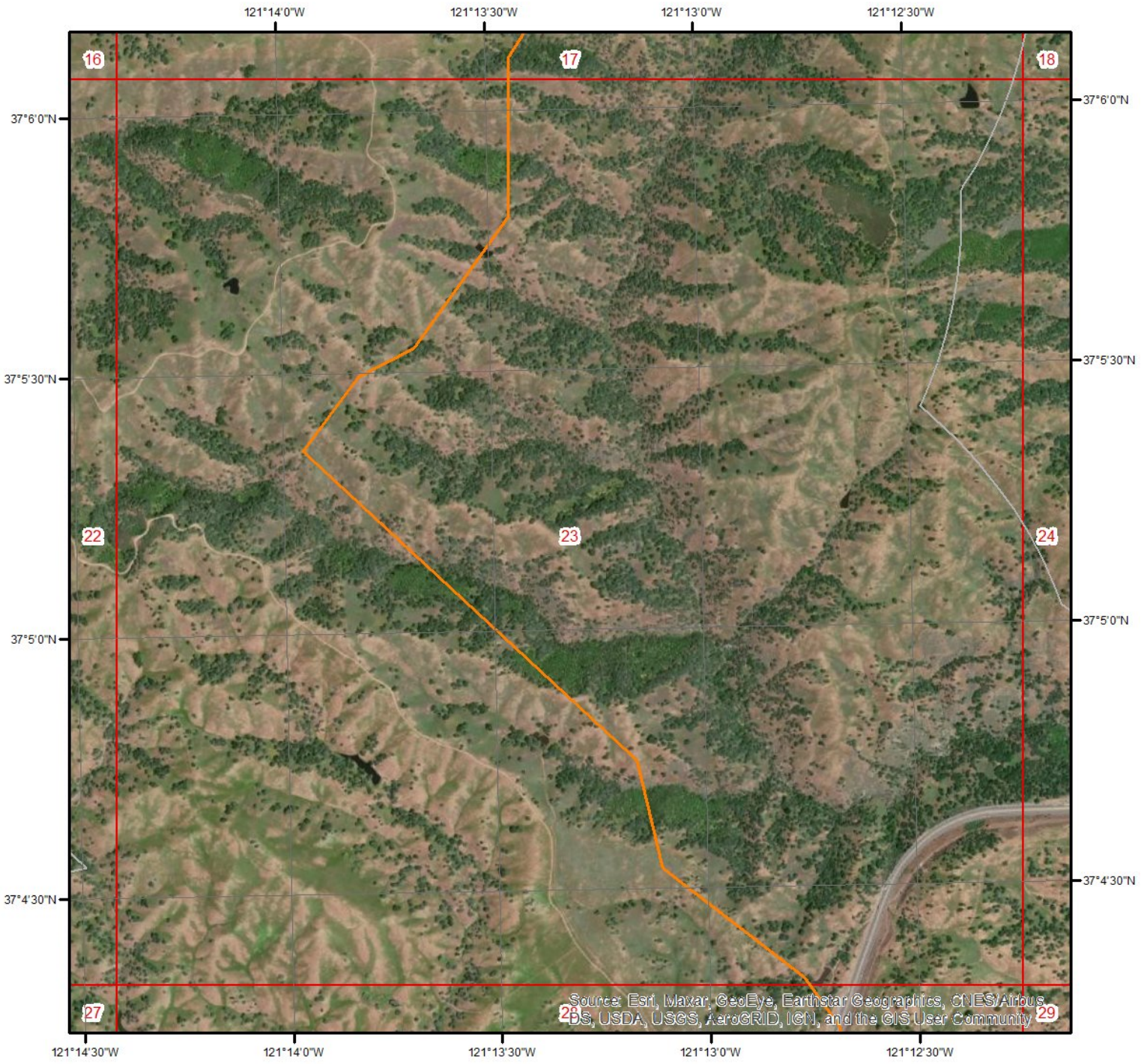
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

0 0.15 0.3 0.6 Miles

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 23

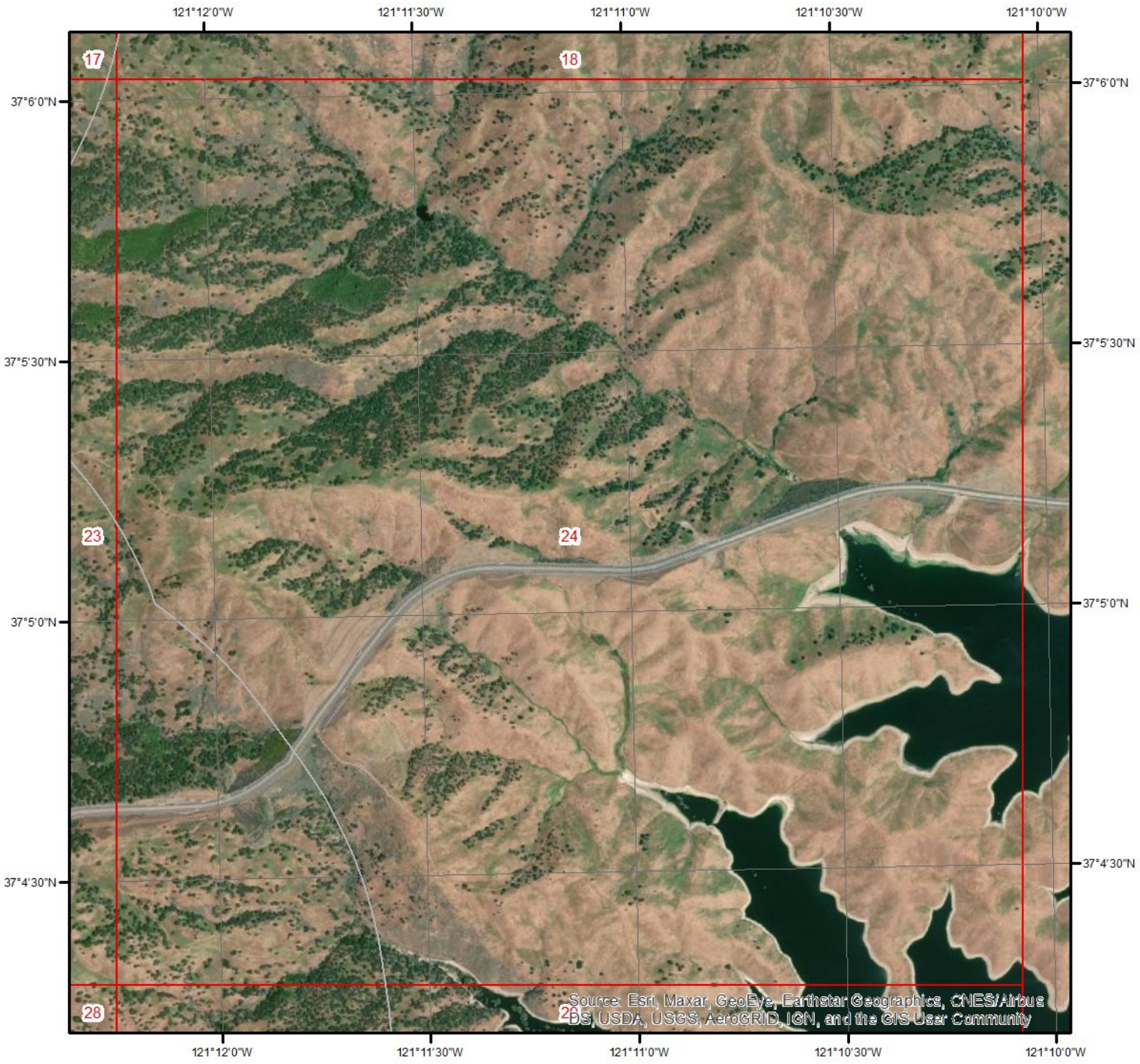
- Sites with Higher Elevation
- Sites with Same Elevation
- Sites with Lower Elevation
- Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 24

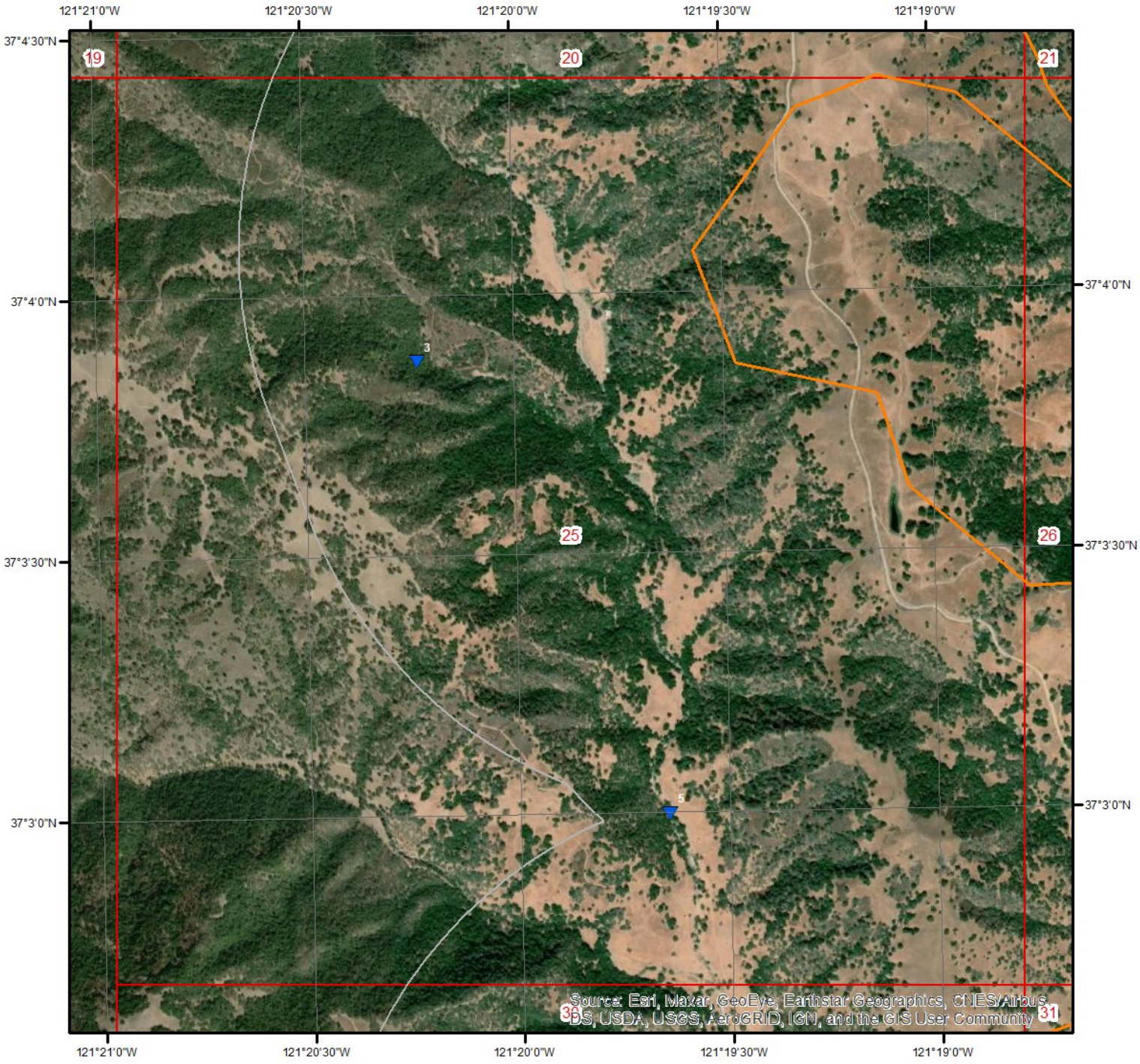
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 25

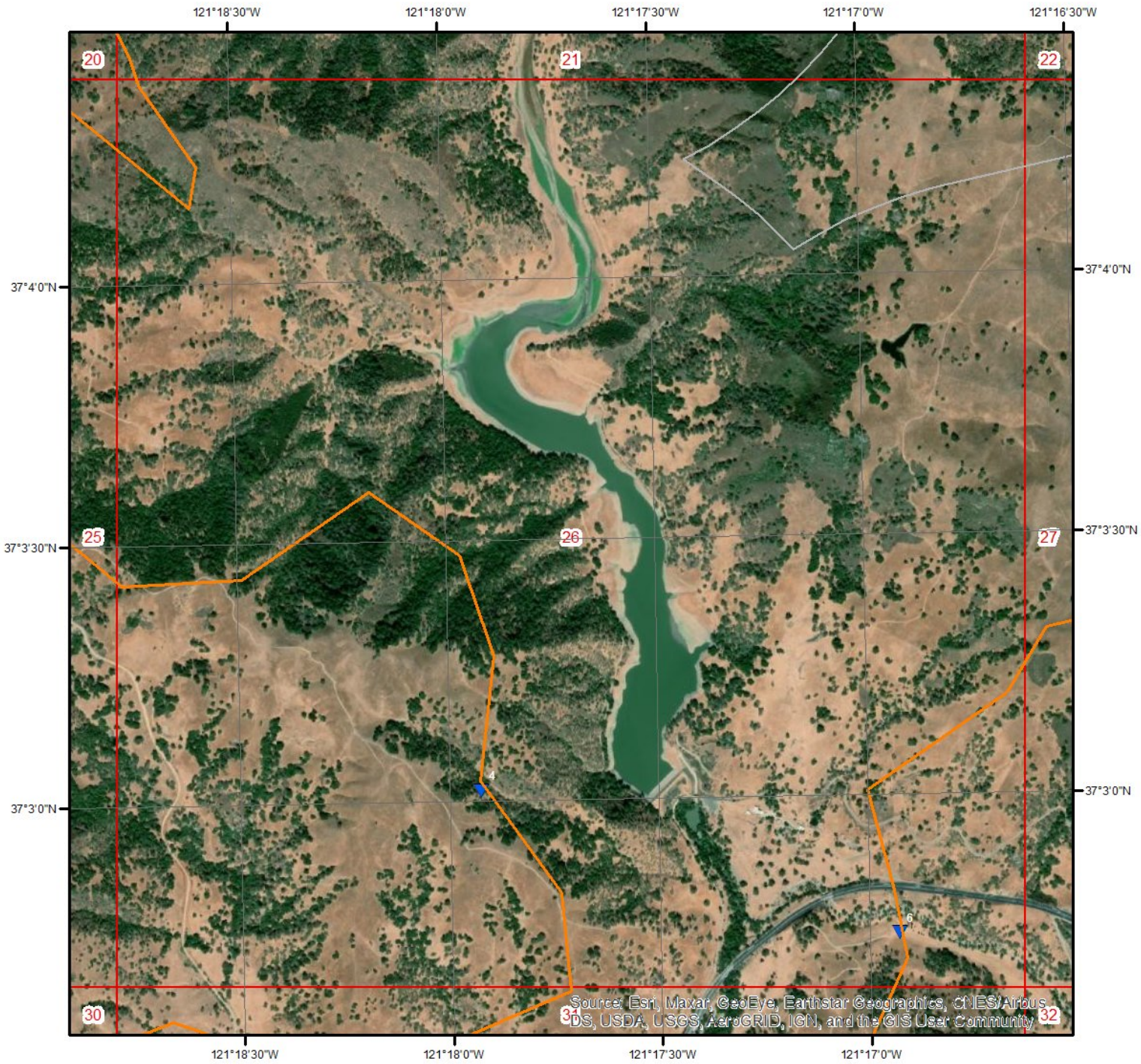
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 26

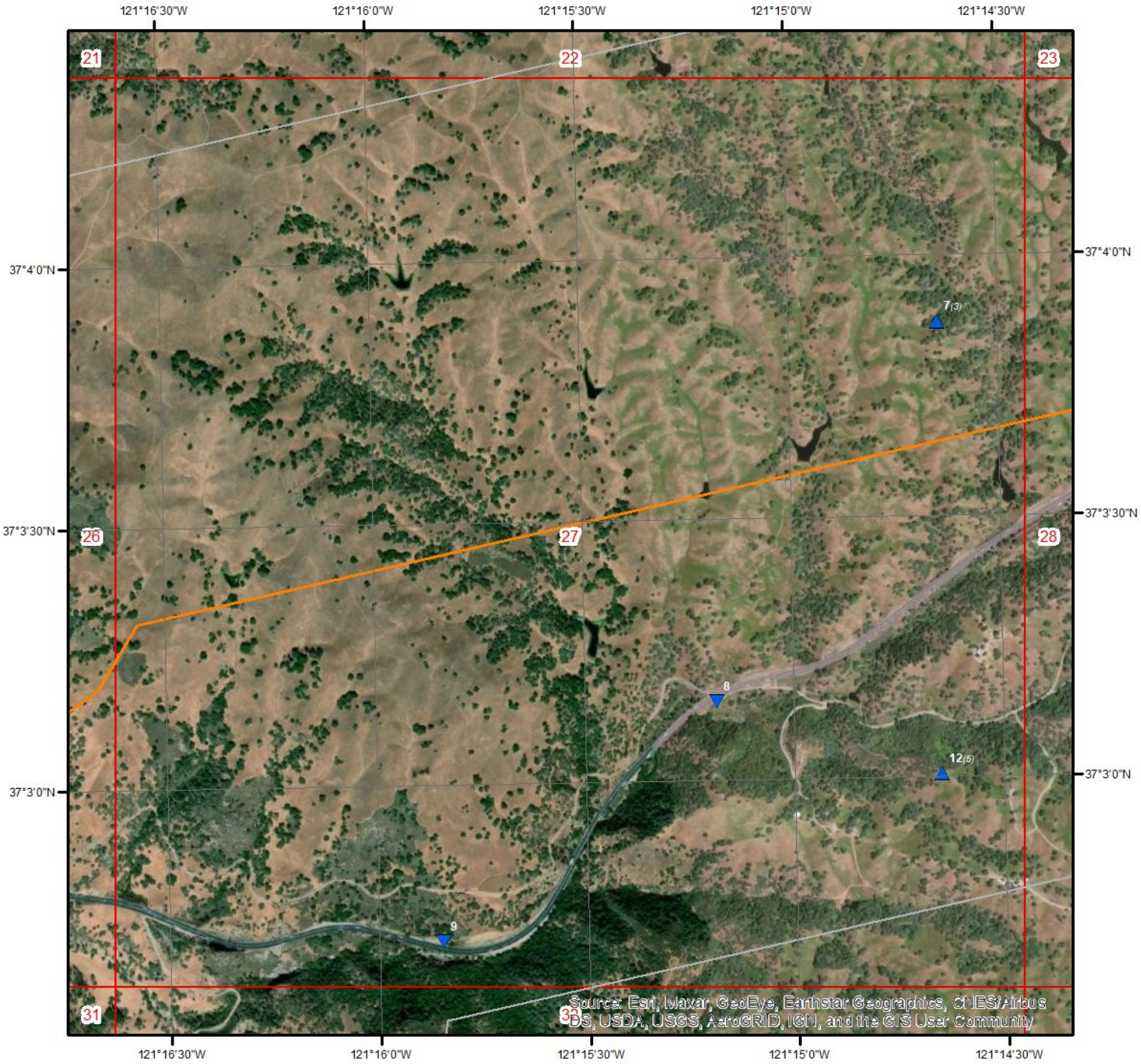
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 27

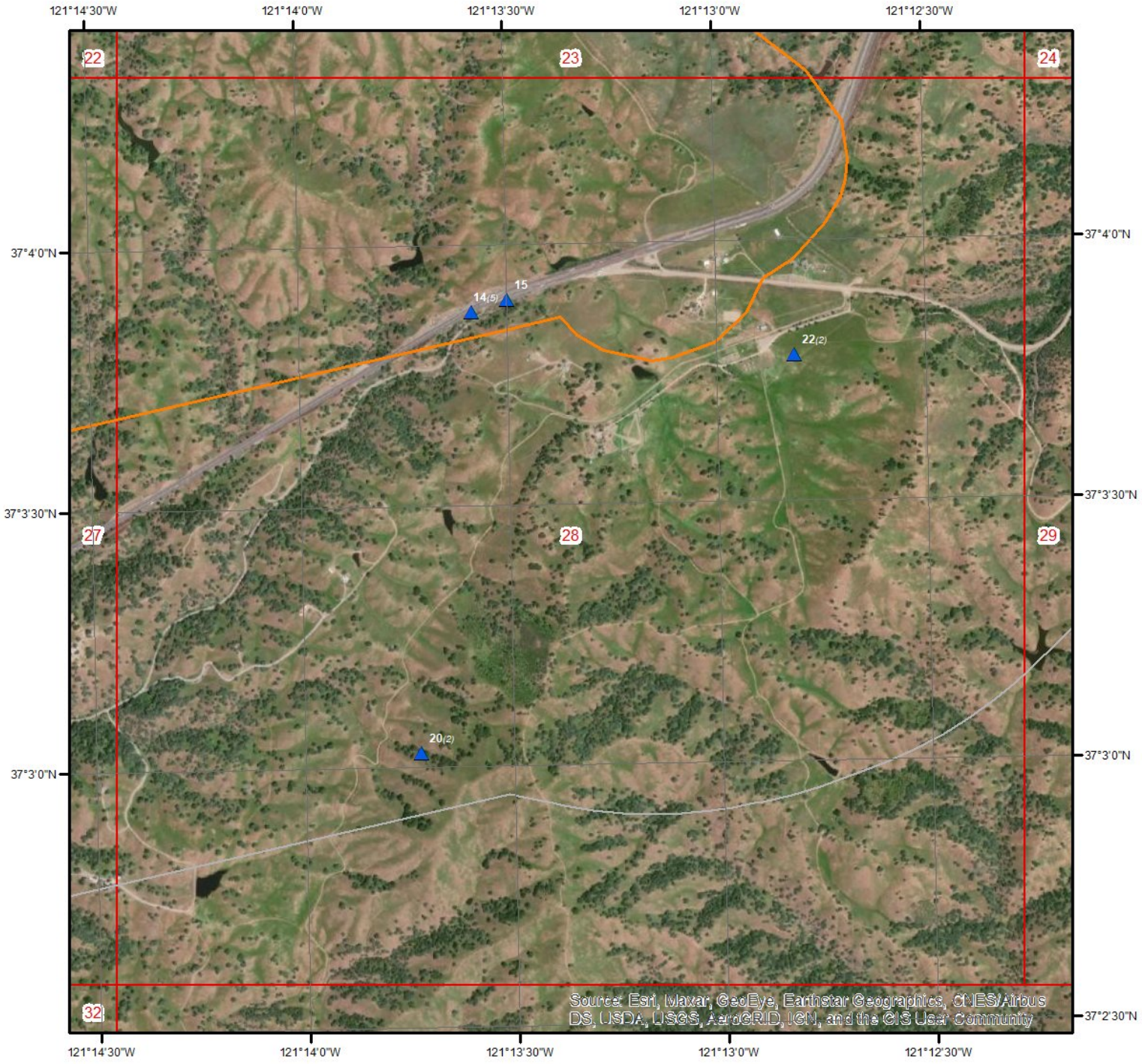
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 28

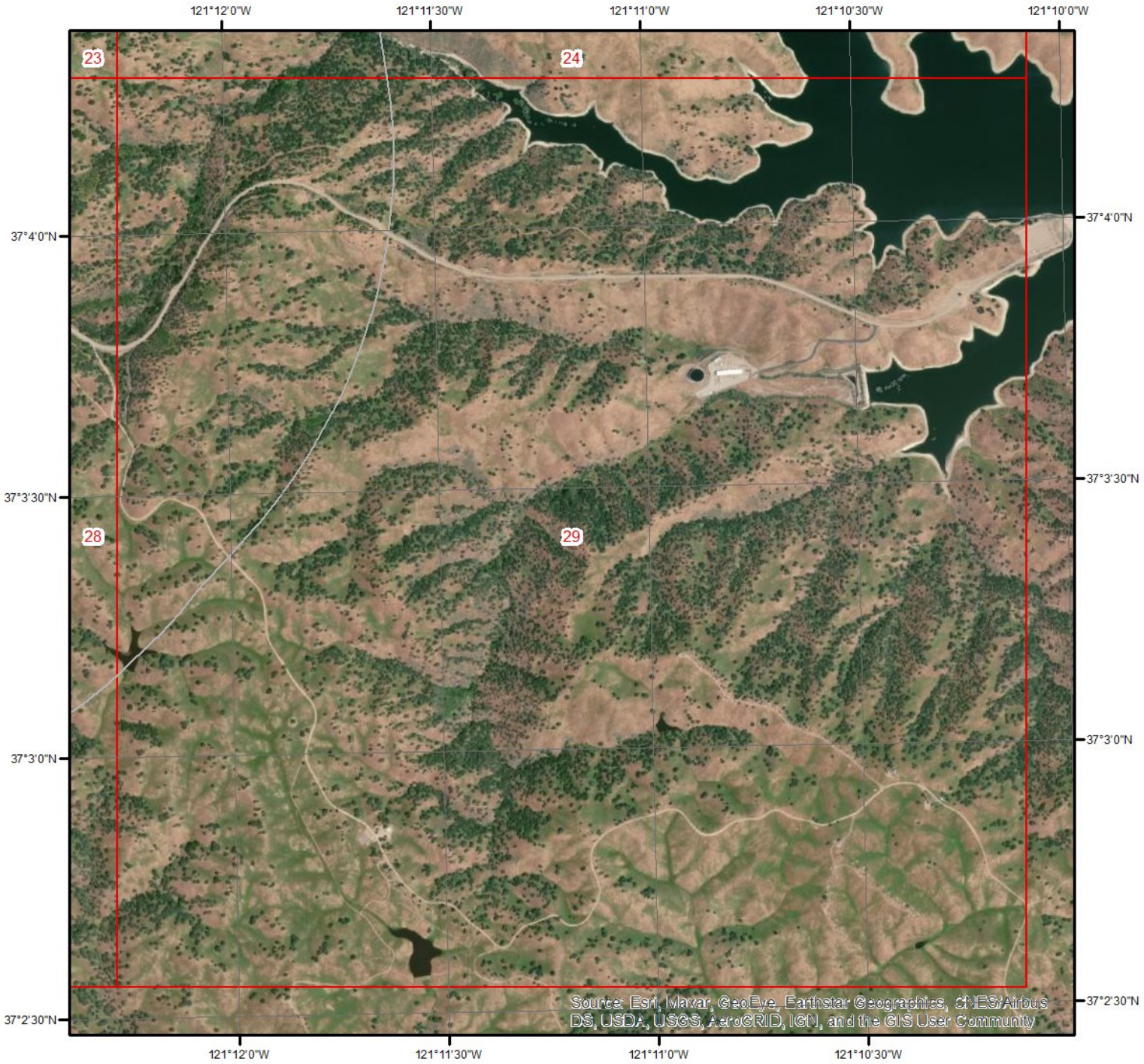
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 29

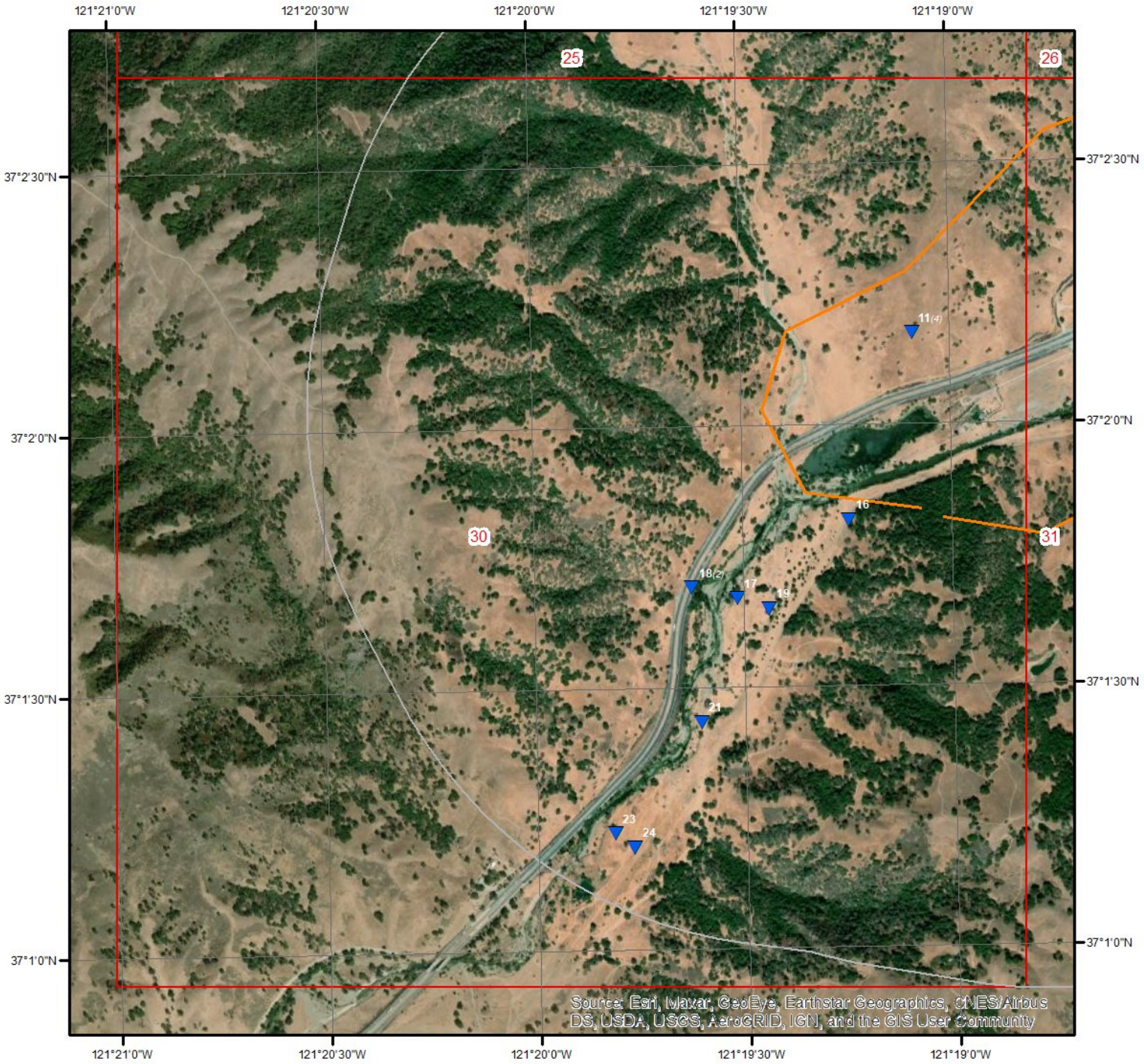
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 30

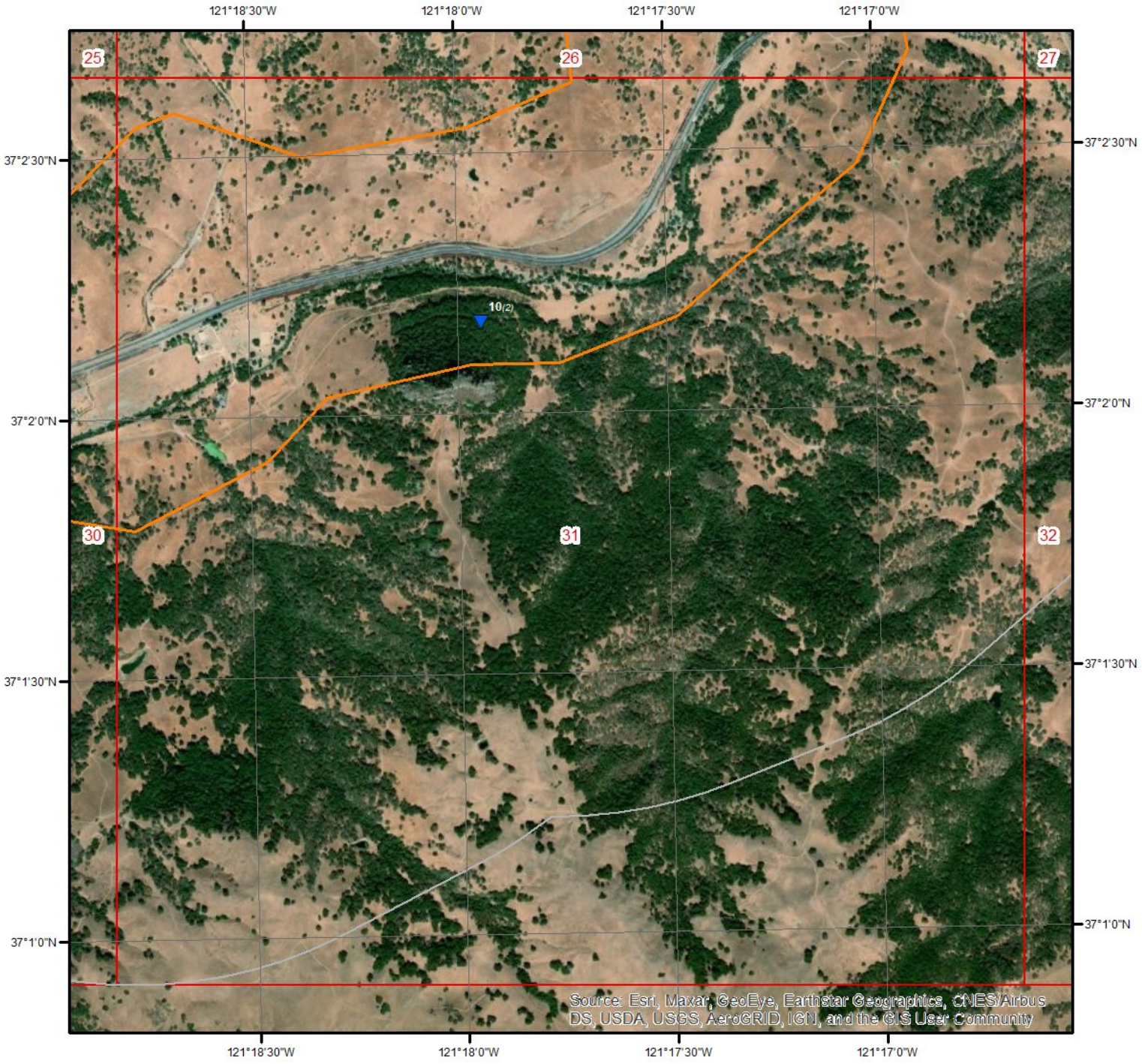
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 31

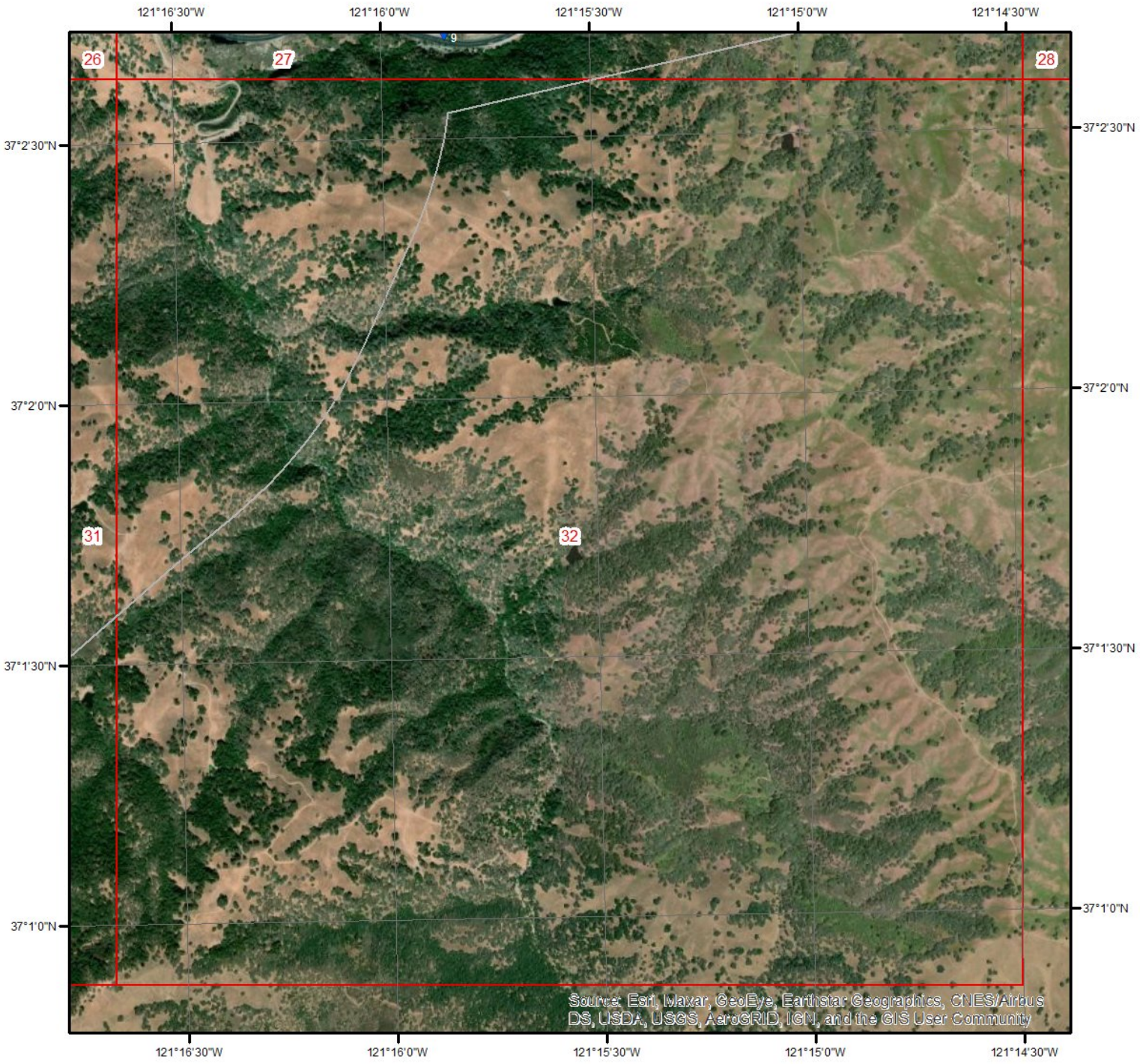
- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources



Wells & Additional Sources - Page 32

- ▲ Sites with Higher Elevation
- ■ Sites with Same Elevation
- ▼ Sites with Lower Elevation
- ○ Sites with Unknown Elevation

Miles
0 0.15 0.3 0.6

N

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Wells and Additional Sources Summary

Federal Sources

Public Water Systems Violations and Enforcement Data

Map Key	PWS ID	Distance (ft)	Direction
18	CA4300824	1,725.68	SSW
18	CA4300852	1,725.68	SSW

Safe Drinking Water Information System (SDWIS)

Map Key	ID	Distance (ft)	Direction
	No records found		

USGS National Water Information System

Map Key	Monitoring Loc Identifier	Distance (ft)	Direction
5	USGS-11152900	4,709.64	SSW

State Sources

Oil and Gas Wells

Map Key	ID	Distance (ft)	Direction
	No records found		

Periodic Groundwater Level Measurement Locations

Map Key	ID	Distance (ft)	Direction
	No records found		

Well Completion Reports

Map Key	WCR No	Distance (ft)	Direction
1	WCR0211532	1,879.33	WSW
1	WCR0058870	1,879.33	WSW
1	WCR1989-002957	1,879.33	WSW
1	WCR2000-004390	1,879.33	WSW
2	WCR2004-004175	3,117.15	W
2	WCR0199958	3,117.15	W
2	WCR2004-004176	3,117.15	W
2	WCR2004-004177	3,117.15	W
2	WCR2004-004178	3,117.15	W
2	WCR2000-003759	3,117.15	W
3	WCR1994-007062	3,458.17	SW
4	WCR0035442	62.24	S
6	WCR2017-010736	33.45	SSE
7	WCR1990-008937	1,357.94	SE
7	WCR0289048	1,357.94	SE
7	WCR1994-005874	1,357.94	SE

Wells and Additional Sources Summary

8	WCR2017-005094	2,377.18	SE
9	WCR2016-012265	4,382.47	SSE
10	WCR0224074	493.66	S
10	WCR2007-005723	493.66	S
11	WCR0080984	677.82	S
11	WCR2005-000766	677.82	S
11	WCR0227975	677.82	S
11	WCR2003-005209	677.82	S
12	WCR0289049	3,775.17	SE
12	WCR1977-000696	3,775.17	SE
12	WCR1977-000697	3,775.17	SE
12	WCR2001-006130	3,775.17	SE
12	WCR1977-000695	3,775.17	SE
13	WCR2015-005566	578.94	ENE
14	WCR0023981	285.82	ESE
14	WCR0128925	285.82	ESE
14	WCR0116383	285.82	ESE
14	WCR0239504	285.82	ESE
14	WCR2004-000766	285.82	ESE
15	WCR2017-005090	333.03	ESE
16	WCR2017-010735	251.59	SSW
17	WCR2019-007861	1,466.46	SSW
19	WCR2019-007863	1,416.93	SSW
20	WCR2002-004925	4,589.78	SE
20	WCR2005-007569	4,589.78	SE
21	WCR2019-007857	2,932.09	SSW
22	WCR0303723	750.18	ESE
22	WCR0265267	750.18	ESE
23	WCR2019-006477	4,542.04	SSW
24	WCR2019-006475	4,579.75	SSW

Public Water Systems Violations and Enforcement Data

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	SSW	0.33	1,725.68	342.35	PWSV

Address Line 2: 13151 PACHECO PASS HWY
State Code: CA
Zip Code: 95046
City Name: SAN MARTIN
Address Line 1: ROLL ON INN WATER SYSTEM
PWS ID: CA4300824
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/06/1993
Phone Number:

--Details--
Population Served Count: 125
City Served:
County Served:
State Served: CA
Zip Code Served:

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
18	SSW	0.33	1,725.68	342.35	PWSV

Address Line 2: 13151 PACHECO PASS HWY
State Code: CA
Zip Code: 95046
City Name: SAN MARTIN
Address Line 1: CANCILLA'S COUNTRY INN
PWS ID: CA4300852
PWS Type Code: TNCWS
PWS Type Description: Transient Non-Community Water System
Primary Source Code: GW
Primary Source Desc: Groundwater
PWS Activity Code: I
PWS Activity Description: Inactive
PWS Deactivation Date: 01/06/1993
Phone Number:

Wells and Additional Sources Detail Report

--Details--

Population Served Count: 125
City Served:
County Served:
State Served: CA
Zip Code Served:

USGS National Water Information System

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
5	SSW	0.89	4,709.64	383.87	FED USGS

Organiz Identifier: USGS-CA
Organiz Name: USGS California Water Science Center
Well Depth:
Well Depth Unit:
Well Hole Depth:
W Hole Depth Unit:
Construction Date:
Source Map Scale:
Monitoring Loc Name: CEDAR C NR BELL STATION CA
Monitoring Loc Identifier: USGS-11152900
Monitoring Loc Type: Stream
Monitoring Loc Desc:
HUC Eight Digit Code: 18060002
Drainage Area: 12.8
Drainage Area Unit: sq mi
Contrib Drainage Area:
Contrib Drainage Area Unit:
Horizontal Accuracy: 5
Horizontal Accuracy Unit: seconds
Horizontal Collection Mthd: Interpolated from MAP.
Horiz Coord Refer System: NAD83
Vertical Measure:
Vertical Measure Unit:
Vertical Accuracy:
Vertical Accuracy Unit:
Vertical Collection Mthd:
Vert Coord Refer System:
Formation Type:
Aquifer Name:
Aquifer Type:
Country Code: US
Provider Name: NWIS
County: SANTA CLARA
Latitude: 37.0499451
Longitude: -121.327431

Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.36	1,879.33	1,519.56	WATER WELLS

WCR No: WCR0211532
County: Santa Clara

County(OSWCR):	Santa Clara	Decimal Latitude:	37.09432
Decimal Lat(OSWCR):	37.09432	Decimal Longitude:	-121.33556
Decim Long(OSWCR):	-121.33556		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.36	1,879.33	1,519.56	WATER WELLS

WCR No:	WCR0058870	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.09432
Decimal Lat(OSWCR):	37.09432	Decimal Longitude:	-121.33556
Decim Long(OSWCR):	-121.33556		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.36	1,879.33	1,519.56	WATER WELLS

WCR No:	WCR1989-002957	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.09432
Decimal Lat(OSWCR):	37.09432	Decimal Longitude:	-121.33556
Decim Long(OSWCR):	-121.33556		
Location(OSWCR):	None		
City(OSWCR):	HOLLISTER		
Location:	None		
City:	HOLLISTER		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
1	WSW	0.36	1,879.33	1,519.56	WATER WELLS

WCR No:	WCR2000-004390	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.09432
Decimal Lat(OSWCR):	37.09432	Decimal Longitude:	-121.33556
Decim Long(OSWCR):	-121.33556		
Location(OSWCR):	None		
City(OSWCR):	GILROY		

Location: None
City: GILROY
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	W	0.59	3,117.15	1,934.68	WATER WELLS

WCR No: WCR2004-004175
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.11033
Decimal Lat(OSWCR): 37.11033
Decimal Longitude: -121.35756
Decim Long(OSWCR): -121.35756
Location(OSWCR): DOWDY RANCH HENRY COE PARK
City(OSWCR): GILROY
Location: DOWDY RANCH HENRY COE PARK
City: GILROY
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	W	0.59	3,117.15	1,934.68	WATER WELLS

WCR No: WCR0199958
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.11033
Decimal Lat(OSWCR): 37.11033
Decimal Longitude: -121.35756
Decim Long(OSWCR): -121.35756
Location(OSWCR): None
City(OSWCR): None
Location: None
City: None
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	W	0.59	3,117.15	1,934.68	WATER WELLS

WCR No: WCR2004-004176
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.11033
Decimal Lat(OSWCR): 37.11033
Decimal Longitude: -121.35756
Decim Long(OSWCR): -121.35756
Location(OSWCR): DOWDY RANCH HENRY COE PARK
City(OSWCR): GILROY
Location: DOWDY RANCH HENRY COE PARK
City: GILROY
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	W	0.59	3,117.15	1,934.68	WATER WELLS

WCR No:	WCR2004-004177	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.11033
Decimal Lat(OSWCR):	37.11033	Decimal Longitude:	-121.35756
Decim Long(OSWCR):	-121.35756		
Location(OSWCR):	DOWDY RANCH, HENRY COE PARK		
City(OSWCR):	GILROY		
Location:	DOWDY RANCH, HENRY COE PARK		
City:	GILROY		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	W	0.59	3,117.15	1,934.68	WATER WELLS

WCR No:	WCR2004-004178	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.11033
Decimal Lat(OSWCR):	37.11033	Decimal Longitude:	-121.35756
Decim Long(OSWCR):	-121.35756		
Location(OSWCR):	DOWDY RANCH HENRY COE PARK		
City(OSWCR):	GILROY		
Location:	DOWDY RANCH HENRY COE PARK		
City:	GILROY		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
2	W	0.59	3,117.15	1,934.68	WATER WELLS

WCR No:	WCR2000-003759	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.11033
Decimal Lat(OSWCR):	37.11033	Decimal Longitude:	-121.35756
Decim Long(OSWCR):	-121.35756		
Location(OSWCR):	None		
City(OSWCR):	GILROY		
Location:	None		
City:	GILROY		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
3	SW	0.65	3,458.17	799.57	WATER WELLS

WCR No:	WCR1994-007062	County:	Santa Clara

County(OSWCR):	Santa Clara	Decimal Latitude:	37.06451
Decimal Lat(OSWCR):	37.06451	Decimal Longitude:	-121.33723
Decim Long(OSWCR):	-121.33723		
Location(OSWCR):	None		
City(OSWCR):	PACHECO PASS		
Location:	None		
City:	PACHECO PASS		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
4	S	0.01	62.24	964.13	WATER WELLS

WCR No:	WCR0035442	County:	Monterey
County(OSWCR):	Monterey	Decimal Latitude:	37.05033
Decimal Lat(OSWCR):	37.05033	Decimal Longitude:	-121.29879
Decim Long(OSWCR):	-121.29879		
Location(OSWCR):	RELIZ CANYON (ANTHONY RANCH)		
City(OSWCR):	GREENFIELD		
Location:	RELIZ CANYON (ANTHONY RANCH)		
City:	GREENFIELD		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
6	SSE	0.01	33.45	430.87	WATER WELLS

WCR No:	WCR2017-010736	County:	San Benito
County(OSWCR):	San Benito	Decimal Latitude:	37.045555
Decimal Lat(OSWCR):	37.045555	Decimal Longitude:	-121.282222
Decim Long(OSWCR):	-121.282222		
Location(OSWCR):	ACROSS FROM CA 152 AND EI TORO		
City(OSWCR):	HOLLISTER		
Location:	ACROSS FROM CA 152 AND EI TORO		
City:	HOLLISTER		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SE	0.26	1,357.94	1,315.68	WATER WELLS

WCR No:	WCR1990-008937	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.06453
Decimal Lat(OSWCR):	37.06453	Decimal Longitude:	-121.24411
Decim Long(OSWCR):	-121.24411		
Location(OSWCR):	None		
City(OSWCR):	None		

Location: None
City: None
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SE	0.26	1,357.94	1,315.68	WATER WELLS

WCR No: WCR0289048
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.06453
Decimal Lat(OSWCR): 37.06453
Decimal Longitude: -121.24411
Decim Long(OSWCR): -121.24411
Location(OSWCR): None
City(OSWCR): None
Location: None
City: None
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
7	SE	0.26	1,357.94	1,315.68	WATER WELLS

WCR No: WCR1994-005874
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.06453
Decimal Lat(OSWCR): 37.06453
Decimal Longitude: -121.24411
Decim Long(OSWCR): -121.24411
Location(OSWCR): None
City(OSWCR): SANTA CLARA
Location: None
City: SANTA CLARA
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
8	SE	0.45	2,377.18	1,079.59	WATER WELLS

WCR No: WCR2017-005094
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.0525051
Decimal Lat(OSWCR): 37.0525051
Decimal Longitude: -121.2531505
Decim Long(OSWCR): -121.2531505
Location(OSWCR): 0 Pacheco Pass Hwy 152 HWY
City(OSWCR): Santa Clara County
Location: 0 Pacheco Pass Hwy 152 HWY
City: Santa Clara County
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
9	SSE	0.83	4,382.47	799.56	WATER WELLS

WCR No:	WCR2016-012265	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.045
Decimal Lat(OSWCR):	37.045	Decimal Longitude:	-121.264167
Decim Long(OSWCR):	-121.264167		
Location(OSWCR):	17652-17664 PACHECO PASS HIGHWAY		
City(OSWCR):	HOLLISTER		
Location:	17652-17664 PACHECO PASS HIGHWAY		
City:	HOLLISTER		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	S	0.09	493.66	510.28	WATER WELLS

WCR No:	WCR0224074	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.03626
Decimal Lat(OSWCR):	37.03626	Decimal Longitude:	-121.29909
Decim Long(OSWCR):	-121.29909		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
10	S	0.09	493.66	510.28	WATER WELLS

WCR No:	WCR2007-005723	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.03626
Decimal Lat(OSWCR):	37.03626	Decimal Longitude:	-121.29909
Decim Long(OSWCR):	-121.29909		
Location(OSWCR):	PACHECO PASS HWY		
City(OSWCR):	GILROY		
Location:	PACHECO PASS HWY		
City:	GILROY		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	S	0.13	677.82	599.43	WATER WELLS

WCR No:	WCR0080984	County:	Santa Clara

County(OSWCR):	Santa Clara	Decimal Latitude:	37.03621
Decimal Lat(OSWCR):	37.03621	Decimal Longitude:	-121.3182
Decim Long(OSWCR):	-121.3182		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	S	0.13	677.82	599.43	WATER WELLS

WCR No:	WCR2005-000766	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.03621
Decimal Lat(OSWCR):	37.03621	Decimal Longitude:	-121.3182
Decim Long(OSWCR):	-121.3182		
Location(OSWCR):	14880 PACHECO PASS HWY		
City(OSWCR):	HOLLISTER		
Location:	14880 PACHECO PASS HWY		
City:	HOLLISTER		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	S	0.13	677.82	599.43	WATER WELLS

WCR No:	WCR0227975	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.03621
Decimal Lat(OSWCR):	37.03621	Decimal Longitude:	-121.3182
Decim Long(OSWCR):	-121.3182		
Location(OSWCR):	PACHECO PASS MAINT STA ROUTE 152		
City(OSWCR):	None		
Location:	PACHECO PASS MAINT STA ROUTE 152		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
11	S	0.13	677.82	599.43	WATER WELLS

WCR No:	WCR2003-005209	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.03621
Decimal Lat(OSWCR):	37.03621	Decimal Longitude:	-121.3182
Decim Long(OSWCR):	-121.3182		
Location(OSWCR):	None		
City(OSWCR):	SAN JOSE		

Location: None
City: SAN JOSE
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SE	0.71	3,775.17	1,322.89	WATER WELLS

WCR No: WCR0289049
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.0501
Decimal Lat(OSWCR): 37.0501
Decimal Longitude: -121.24421
Decim Long(OSWCR): -121.24421
Location(OSWCR): None
City(OSWCR): None
Location: None
City: None
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SE	0.71	3,775.17	1,322.89	WATER WELLS

WCR No: WCR1977-000696
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.0501
Decimal Lat(OSWCR): 37.0501
Decimal Longitude: -121.24421
Decim Long(OSWCR): -121.24421
Location(OSWCR): None
City(OSWCR): PACHECO PASS
Location: None
City: PACHECO PASS
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SE	0.71	3,775.17	1,322.89	WATER WELLS

WCR No: WCR1977-000697
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.0501
Decimal Lat(OSWCR): 37.0501
Decimal Longitude: -121.24421
Decim Long(OSWCR): -121.24421
Location(OSWCR): None
City(OSWCR): PACHECO PASS
Location: None
City: PACHECO PASS
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SE	0.71	3,775.17	1,322.89	WATER WELLS

WCR No:	WCR2001-006130	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.0501
Decimal Lat(OSWCR):	37.0501	Decimal Longitude:	-121.24421
Decim Long(OSWCR):	-121.24421		
Location(OSWCR):	None		
City(OSWCR):	GILROY		
Location:	None		
City:	GILROY		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
12	SE	0.71	3,775.17	1,322.89	WATER WELLS

WCR No:	WCR1977-000695	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.0501
Decimal Lat(OSWCR):	37.0501	Decimal Longitude:	-121.24421
Decim Long(OSWCR):	-121.24421		
Location(OSWCR):	None		
City(OSWCR):	PACHECO PASS		
Location:	None		
City:	PACHECO PASS		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
13	ENE	0.11	578.94	1,610.80	WATER WELLS

WCR No:	WCR2015-005566	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.127778
Decimal Lat(OSWCR):	37.127778	Decimal Longitude:	-121.221667
Decim Long(OSWCR):	-121.221667		
Location(OSWCR):	640 EAST DUNNE AVENUE		
City(OSWCR):	MORGAN HILL		
Location:	640 EAST DUNNE AVENUE		
City:	MORGAN HILL		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	ESE	0.05	285.82	1,334.20	WATER WELLS

WCR No:	WCR0023981	County:	Merced

County(OSWCR):	Merced	Decimal Latitude:	37.06452
Decimal Lat(OSWCR):	37.06452	Decimal Longitude:	-121.22645
Decim Long(OSWCR):	-121.22645		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	ESE	0.05	285.82	1,334.20	WATER WELLS

WCR No:	WCR0128925	County:	Merced
County(OSWCR):	Merced	Decimal Latitude:	37.06452
Decimal Lat(OSWCR):	37.06452	Decimal Longitude:	-121.22645
Decim Long(OSWCR):	-121.22645		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	ESE	0.05	285.82	1,334.20	WATER WELLS

WCR No:	WCR0116383	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.06452
Decimal Lat(OSWCR):	37.06452	Decimal Longitude:	-121.22645
Decim Long(OSWCR):	-121.22645		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	ESE	0.05	285.82	1,334.20	WATER WELLS

WCR No:	WCR0239504	County:	Merced
County(OSWCR):	Merced	Decimal Latitude:	37.06452
Decimal Lat(OSWCR):	37.06452	Decimal Longitude:	-121.22645
Decim Long(OSWCR):	-121.22645		
Location(OSWCR):	None		
City(OSWCR):	None		

Location: None
City: None
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
14	ESE	0.05	285.82	1,334.20	WATER WELLS

WCR No: WCR2004-000766
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.06452
Decimal Lat(OSWCR): 37.06452
Decimal Longitude: -121.22645
Decim Long(OSWCR): -121.22645
Location(OSWCR): DINOSOAR PT RD.PARLECO ST PARK
City(OSWCR): HOLLISTER
Location: DINOSOAR PT RD.PARLECO ST PARK
City: HOLLISTER
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
15	ESE	0.06	333.03	1,335.21	WATER WELLS

WCR No: WCR2017-005090
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.0648926
Decimal Lat(OSWCR): 37.0648926
Decimal Longitude: -121.2250329
Decim Long(OSWCR): -121.2250329
Location(OSWCR): 0 Pacheco Pass Hwy 152 HWY
City(OSWCR): Santa Clara County
Location: 0 Pacheco Pass Hwy 152 HWY
City: Santa Clara County
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
16	SSW	0.05	251.59	343.14	WATER WELLS

WCR No: WCR2017-010735
County: San Benito
County(OSWCR): San Benito
Decimal Latitude: 37.030277
Decimal Lat(OSWCR): 37.030277
Decimal Longitude: -121.320833
Decim Long(OSWCR): -121.320833
Location(OSWCR): ACROSS FROM CA 152 AND KAISER AETNA RD.
City(OSWCR): HOLLISTER
Location: ACROSS FROM CA 152 AND KAISER AETNA RD.
City: HOLLISTER
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Wells and Additional Sources Detail Report

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
17	SSW	0.28	1,466.46	324.72	WATER WELLS

WCR No:	WCR2019-007861	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.0278182
Decimal Lat(OSWCR):	37.0278182	Decimal Longitude:	-121.32531771
Decim Long(OSWCR):	-121.32531771		
Location(OSWCR):	14610 Pacheco Pass HWY		
City(OSWCR):	Gilroy		
Location:	14610 Pacheco Pass HWY		
City:	Gilroy		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
19	SSW	0.27	1,416.93	327.44	WATER WELLS

WCR No:	WCR2019-007863	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.02747599
Decimal Lat(OSWCR):	37.02747599	Decimal Longitude:	-121.32405231
Decim Long(OSWCR):	-121.32405231		
Location(OSWCR):	14610 Pacheco Pass HWY		
City(OSWCR):	Gilroy		
Location:	14610 Pacheco Pass HWY		
City:	Gilroy		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	SE	0.87	4,589.78	1,555.41	WATER WELLS

WCR No:	WCR2002-004925	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.05044
Decimal Lat(OSWCR):	37.05044	Decimal Longitude:	-121.22875
Decim Long(OSWCR):	-121.22875		
Location(OSWCR):	None		
City(OSWCR):	GILROY		
Location:	None		
City:	GILROY		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
20	SE	0.87	4,589.78	1,555.41	WATER WELLS

WCR No:	WCR2005-007569	County:	Santa Clara

County(OSWCR):	Santa Clara	Decimal Latitude:	37.05044
Decimal Lat(OSWCR):	37.05044	Decimal Longitude:	-121.22875
Decim Long(OSWCR):	-121.22875		
Location(OSWCR):	OLD PACHECO PASS HWY		
City(OSWCR):	GILROY		
Location:	OLD PACHECO PASS HWY		
City:	GILROY		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
21	SSW	0.56	2,932.09	319.21	WATER WELLS

WCR No:	WCR2019-007857	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.02388265
Decimal Lat(OSWCR):	37.02388265	Decimal Longitude:	-121.32680531
Decim Long(OSWCR):	-121.32680531		
Location(OSWCR):	14610 Pacheco Pass HWY		
City(OSWCR):	Gilroy		
Location:	14610 Pacheco Pass HWY		
City:	Gilroy		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	ESE	0.14	750.18	1,380.94	WATER WELLS

WCR No:	WCR0303723	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.06299
Decimal Lat(OSWCR):	37.06299	Decimal Longitude:	-121.21359
Decim Long(OSWCR):	-121.21359		
Location(OSWCR):	None		
City(OSWCR):	None		
Location:	None		
City:	None		
Original Source:	California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports		

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
22	ESE	0.14	750.18	1,380.94	WATER WELLS

WCR No:	WCR0265267	County:	Santa Clara
County(OSWCR):	Santa Clara	Decimal Latitude:	37.06299
Decimal Lat(OSWCR):	37.06299	Decimal Longitude:	-121.21359
Decim Long(OSWCR):	-121.21359		
Location(OSWCR):	None		
City(OSWCR):	None		

Wells and Additional Sources Detail Report

Location: None
City: None
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
23	SSW	0.86	4,542.04	317.31	WATER WELLS

WCR No: WCR2019-006477
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.02036837
Decimal Lat(OSWCR): 37.02036837
Decimal Longitude: -121.33031693
Decim Long(OSWCR): -121.33031693
Location(OSWCR): 12163 Pacheco Pass HWY
City(OSWCR): Gilroy
Location: 12163 Pacheco Pass HWY
City: Gilroy
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Map Key	Direction	Distance (mi)	Distance (ft)	Elevation (ft)	DB
24	SSW	0.87	4,579.75	316.63	WATER WELLS

WCR No: WCR2019-006475
County: Santa Clara
County(OSWCR): Santa Clara
Decimal Latitude: 37.01992158
Decimal Lat(OSWCR): 37.01992158
Decimal Longitude: -121.32955354
Decim Long(OSWCR): -121.32955354
Location(OSWCR): 12163 Pacheco Pass HWY
City(OSWCR): Gilroy
Location: 12163 Pacheco Pass HWY
City: Gilroy
Original Source: California Department of Water Resources - OSWCR(Well Numbers), as of Apr 29, 2020; California Department of Water Resources - Well Completion Reports

Radon Information

This section lists any relevant radon information found for the target property.

Federal EPA Radon Zone for *MERCED* County: **3**
Federal EPA Radon Zone for *STANISLAUS* County: **3**
Federal EPA Radon Zone for *SANTA CLARA* County: **2**

Zone 1: Counties with predicted average indoor radon screening levels greater than 4 pCi/L
Zone 2: Counties with predicted average indoor radon screening levels from 2 to 4 pCi/L
Zone 3: Counties with predicted average indoor radon screening levels less than 2 pCi/L

Federal Area Radon Information for *SANTA CLARA* County

No Measures/Homes:	77
Geometric Mean:	0.7
Arithmetic Mean:	1.4
Median:	1
Standard Deviation:	1.9
Maximum:	9.2
% >4 pCi/L:	9
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Federal Area Radon Information for *MERCED* County

No Measures/Homes:	10
Geometric Mean:	1.3
Arithmetic Mean:	2.1
Median:	1.7
Standard Deviation:	1.8
Maximum:	6.1
% >4 pCi/L:	10
% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Federal Area Radon Information for *STANISLAUS* County

No Measures/Homes:	14
Geometric Mean:	1.2
Arithmetic Mean:	1.8
Median:	1.3
Standard Deviation:	1.5
Maximum:	5.9
% >4 pCi/L:	7

Radon Information

% >20 pCi/L:	0
Notes on Data Table:	TABLE 1. Screening indoor radon data from the EPA/State Residential Radon Survey of California conducted during 1989-90. Data represent 2-7 day charcoal canister measurements from the lowest level of each home tested.

Appendix

Federal Sources

FEMA National Flood Hazard Layer — **FEMA FLOOD**

The National Flood Hazard Layer (NFHL) data incorporates Flood Insurance Rate Map (FIRM) databases published by the Federal Emergency Management Agency (FEMA), and any Letters Of Map Revision (LOMRs) that have been issued against those databases since their publication date. The FIRM Database is the digital, geospatial version of the flood hazard information shown on the published paper FIRMs. The FIRM Database depicts flood risk information and supporting data used to develop the risk data. The FIRM Database is derived from Flood Insurance Studies (FISs), previously published FIRMs, flood hazard analyses performed in support of the FISs and FIRMs, and new mapping data, where available.

Indoor Radon Data — **INDOOR RADON**

Indoor radon measurements tracked by the Environmental Protection Agency(EPA) and the State Residential Radon Survey.

Public Water Systems Violations and Enforcement Data — **PWSV**

List of drinking water violations and enforcement actions from the Safe Drinking Water Information System (SDWIS) made available by the Drinking Water Protection Division of the US EPA's Office of Groundwater and Drinking Water. Enforcement sensitive actions are not included in the data released by the EPA. Address information provided in SWDIS may correspond either with the physical location of the water system, or with a contact address.

Radon Zone Level — **RADON ZONE**

Areas showing the level of Radon Zones (level 1, 2 or 3) by county. This data is maintained by the Environmental Protection Agency (EPA).

Safe Drinking Water Information System (SDWIS) — **SDWIS**

The Safe Drinking Water Information System (SDWIS) contains information about public water systems as reported to US Environmental Protection Agency (EPA) by the states. Addresses may correspond with the location of the water system, or with a contact address.

Soil Survey Geographic database — **SSURGO**

The Soil Survey Geographic database (SSURGO) contains information about soil as collected by the National Cooperative Soil Survey at the Natural Resources Conservation Service (NRCS). Soil maps outline areas called map units. The map units are linked to soil properties in a database. Each map unit may contain one to three major components and some minor components.

U.S. Fish & Wildlife Service Wetland Data — **US WETLAND**

The U.S. Fish & Wildlife Service Wetland layer represents the approximate location and type of wetlands and deepwater habitats in the United States.

USGS Current Topo — **US TOPO**

US Topo topographic maps are produced by the National Geospatial Program of the U.S. Geological Survey (USGS). The project was launched in late 2009, and the term "US Topo" refers specifically to quadrangle topographic maps published in 2009 and later.

USGS Geology — **US GEOLOGY**

Seamless maps depicting geological information provided by the United States Geological Survey (USGS).

USGS National Water Information System — **FED USGS**

The U.S. Geological Survey (USGS)'s National Water Information System (NWIS) is the nation's principal repository of water resources data. This database includes comprehensive information of well-construction details, time-series data for gage height, streamflow, groundwater level, and precipitation and water use data.

State Sources

Oil and Gas Wells — **OGW**

A list of Oil and Gas well locations. This is provided by California's Department of Conservation Division of

Appendix

Oil, Gas and Geothermal Resources.

Periodic Groundwater Level Measurement Locations **MONITOR WELLS**

Locations of groundwater level monitoring wells in the Department of Water Resources (DWR)'s Periodic Groundwater Levels dataset. The DWR Periodic Groundwater Levels dataset contains seasonal and long-term groundwater level measurements collected by the Department of Water Resources and cooperating agencies.

Well Completion Reports **WATER WELLS**

List of wells from the Well Completion Reports data made available by the California Department of Water Resources' (DWR) Online System for Well Completion Reports (OSWCR). Please note that the majority of well completion reports have been spatially registered to the center of the 1x1 mile Public Land Survey System section that the well is located in.

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Draft Environmental Impact Report

Appendix

Hazards and Hazardous Materials Appendix

Attachment B

Environmental Risk Information Services Database Report

Pacheco Reservoir Expansion Project

November 2021

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Pacheco Dam* *Pacheco Dam* *Pacheco Creek CA 95023*
Project No:	*184030902 task 006.061.6.*
Report Type:	*Database Report*
Order No:	*21012500379*
Requested by:	*Stantec Consulting Ltd.*
Date Completed:	*January 26, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Executive Summary

Property Information:

Project Property:		*Pacheco Dam* *Pacheco Dam Pacheco Creek CA 95023*
Project No:		*184030902 task 006.061.6.*
Coordinates:		
	Latitude:	*36.9771708*
	Longitude:	*-121.4602147*
	UTM Northing:	*4,107,402.53*
	UTM Easting:	*650,919.78*
	UTM Zone:	*UTM Zone 10S*
Elevation:		*1,224 FT*

Order Information:

Order No:	*21012500379*
Date Requested:	*January 25, 2021*
Requested by:	*Stantec Consulting Ltd.*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials (Boundaries)*
City Directory Search	*CD - 2 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Fire Insurance Maps	*US Fire Insurance Maps*
Physical Setting Report (PSR)	*Physical Setting Report (PSR)*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
FRP	Y	0.25	0	0	0	-	-	0
NPL	Y	1	0	0	0	0	0	0
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	0	-	0
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	0	-	0
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	0	-	0
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	**1**	0	-	-	**1**
FED ENG	Y	0.5	0	0	0	0	-	0
FED INST	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
SUPERFUND ROD	Y	1	0	0	0	0	0	0
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	0	0	0	0
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	**1**	0	-	**1**
DELISTED LST	Y	0.5	0	0	0	0	-	0
SWRCB SWF	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	0	0	0	-	-	0
AST	Y	0.25	0	0	0	-	-	0
AST SWRCB	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	0	0	0	-	-	0
LUR	Y	0.5	0	0	0	0	-	0
HLUR	Y	0.5	0	0	0	0	-	0
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
DELISTED CTNK	Y	0.25	0	0	0	-	-	0
HIST TANK	Y	0.25	0	0	0	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County								

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
MERCED CUPA	Y	0.25	0	**1**	0	-	-	**1**
SANTACLARA HSOL	Y	0.5	0	0	0	0	-	0
SANTACLARA LO	Y	0.5	0	0	0	0	-	0
UST SANTACLARA	Y	0.25	0	0	0	-	-	0
SANTACLARA CUPA	Y	0.25	0	**1**	**2**	-	-	**3**
SANJOSE HM	Y	0.25	0	0	0	-	-	0
GILROY CUPA	Y	0.25	0	**1**	0	-	-	**1**
SUNNYVALE CUPA	Y	0.25	0	0	0	-	-	0
STANISLAUS CUPA	Y	0.25	0	0	0	-	-	0

Additional Environmental Records

Federal

PFAS NPL	Y	0.5	0	0	0	0	-	0
FINDS/FRS	Y	PO	0	-	-	-	-	0
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS WATER	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
State								
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	0	0	-	-	-	0
DELISTED HAZ	Y	0.5	0	0	0	0	-	0
GEOTRACKER	Y	0.125	0	0	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	0	0	0	-	-	0
CDL	Y	0.125	0	0	-	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County	***No County additional environmental databases were selected to be included in the search.***							
	Total:		0	**4**	**3**	0	0	**7**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	SANTACLARA CUPA	SCVWD-NORTH FORK DAM	17610 PACHECO PASS HY HOLLISTER CA 95023	S	0.02 / 124.12	-775	17
2	GILROY CUPA	T-Mobile West Corporation SF04719A	28890 Pacheco Pass Hwy Gilroy CA 95020	SE	0.07 / 375.29	113	17
3	SANTACLARA CUPA	SPRINT PCS-SF72XC805	38777 DINOSAUR POINT RD HOLLISTER CA 95023	ESE	0.20 / 1,049.81	130	19
3	SANTACLARA CUPA	NEXTEL-SITE CA1511	38777 DINOSAUR POINT RD HOLLISTER CA 94023	ESE	0.20 / 1,049.81	130	19
4	MERCED CUPA	AT&T Mobility - INTERNATIONAL TURBINE RESEARCH (USID79713)	38787 Dinosaur Point Road Santa Nella, CA 95322 CA	ESE	0.12 / 615.27	140	20
4	RCRA NON GEN	CALIFORNIA STATE PARKS PACHECO SP	38787 DINOSAUR POINT RD HOLLISTER CA 95023-9525 ***EPA Handler ID:*** CAL000361493	ESE	0.12 / 615.27	140	20
5	LUST	PACHECO STATE PARK	38778 DINOSAUR POINT GILROY CA 95020 ***Global ID | Status | Status Date:*** T0608531207 | COMPLETED - CASE CLOSED | 1/31/2006	ESE	0.16 / 819.94	157	21

Executive Summary: Summary by Data Source

Standard

Federal

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Oct 19, 2020 has found that there are 1 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
CALIFORNIA STATE PARKS PACHECO SP	38787 DINOSAUR POINT RD HOLLISTER CA 95023-9525	ESE	0.12 / 615.27	4
	***EPA Handler ID**: CAL000361493*			

State

LUST - Leaking Underground Fuel Tank Reports

A search of the LUST database, dated Nov 16, 2020 has found that there are 1 LUST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
PACHECO STATE PARK	38778 DINOSAUR POINT GILROY CA 95020	ESE	0.16 / 819.94	5
	***Global ID** | **Status** | **Status Date**: T0608531207 | COMPLETED - CASE CLOSED | 1/31/2006*			

County

MERCED CUPA - Merced County - CUPA Facilities List

A search of the MERCED CUPA database, dated Sep 19, 2019 has found that there are 1 MERCED CUPA site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
AT&T Mobility - INTERNATIONAL TURBINE RESEARCH (USID79713)	38787 Dinosaur Point Road Santa Nella, CA 95322 CA	ESE	0.12 / 615.27	4

SANTACLARA CUPA - Santa Clara County - CUPA Facilities List

A search of the SANTACLARA CUPA database, dated Dec 9, 2020 has found that there are 3 SANTACLARA CUPA site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SPRINT PCS-SF72XC805	38777 DINOSAUR POINT RD HOLLISTER CA 95023	ESE	0.20 / 1,049.81	3

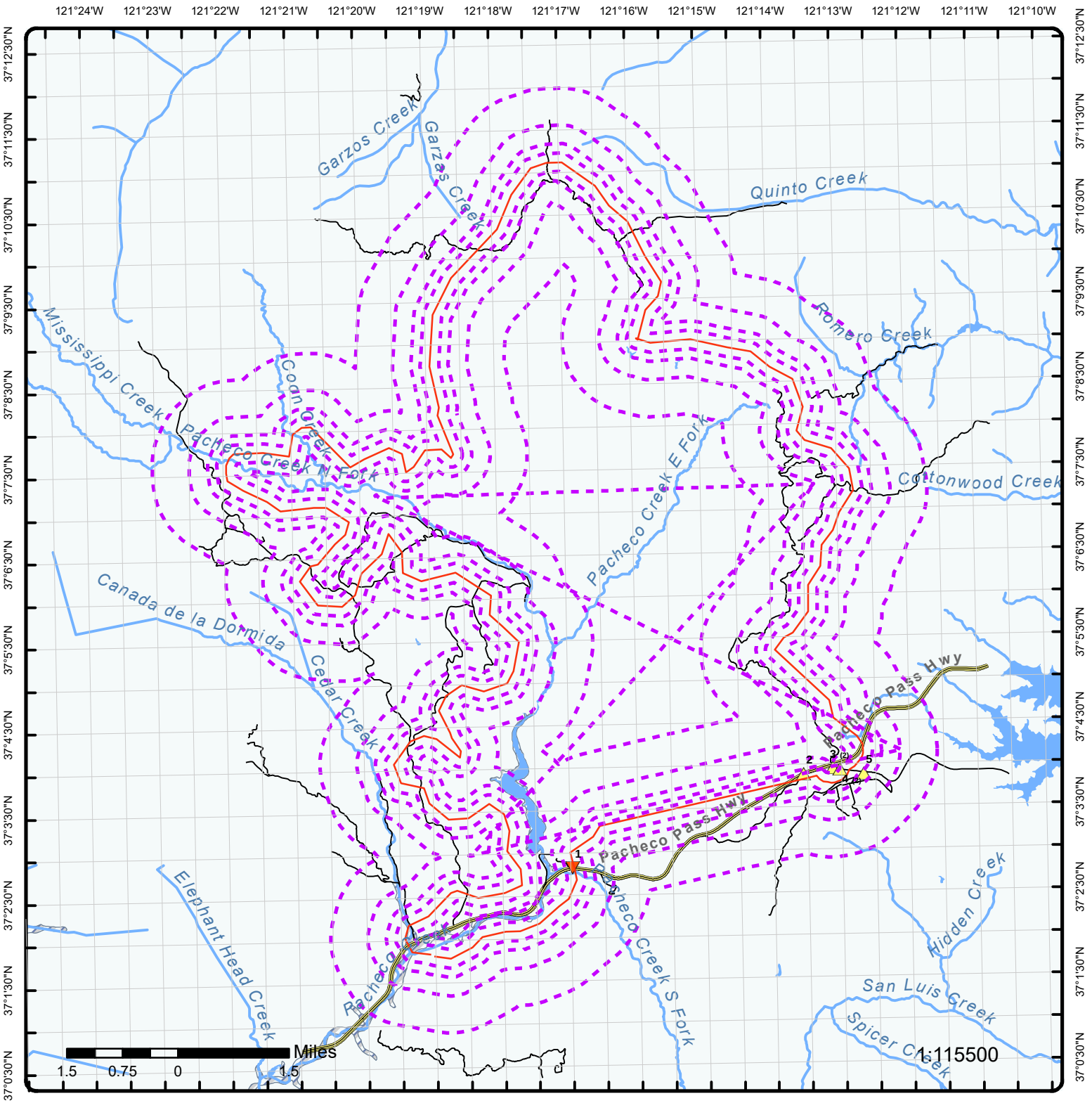
Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
NEXTEL-SITE CA1511	38777 DINOSAUR POINT RD HOLLISTER CA 94023	ESE	0.20 / 1,049.81	3

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
SCVWD-NORTH FORK DAM	17610 PACHECO PASS HY HOLLISTER CA 95023	S	0.02 / 124.12	1

GILROY CUPA - Santa Clara County - Gilroy City CUPA Facilities List

A search of the GILROY CUPA database, dated Sep 21, 2020 has found that there are 1 GILROY CUPA site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
T-Mobile West Corporation SF04719A	28890 Pacheco Pass Hwy Gilroy CA 95020	SE	0.07 / 375.29	2



Map : 1.0 Mile Radius

Order Number: 21012500379

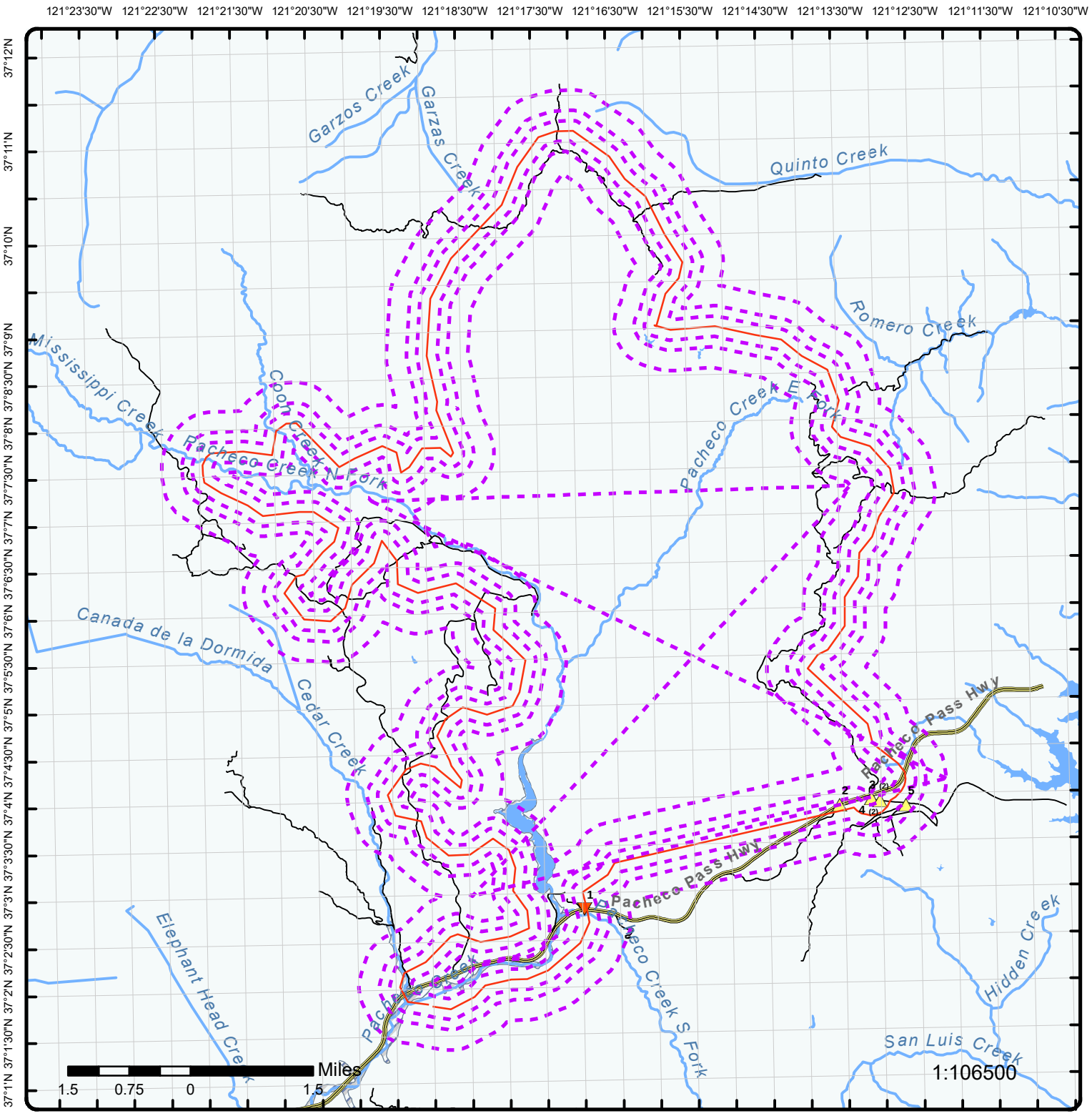
Address: Pacheco Dam, Pacheco Creek, CA

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)

Source: © 2016 ESRI

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Map : 0.5 Mile Radius

Order Number: 21012500379

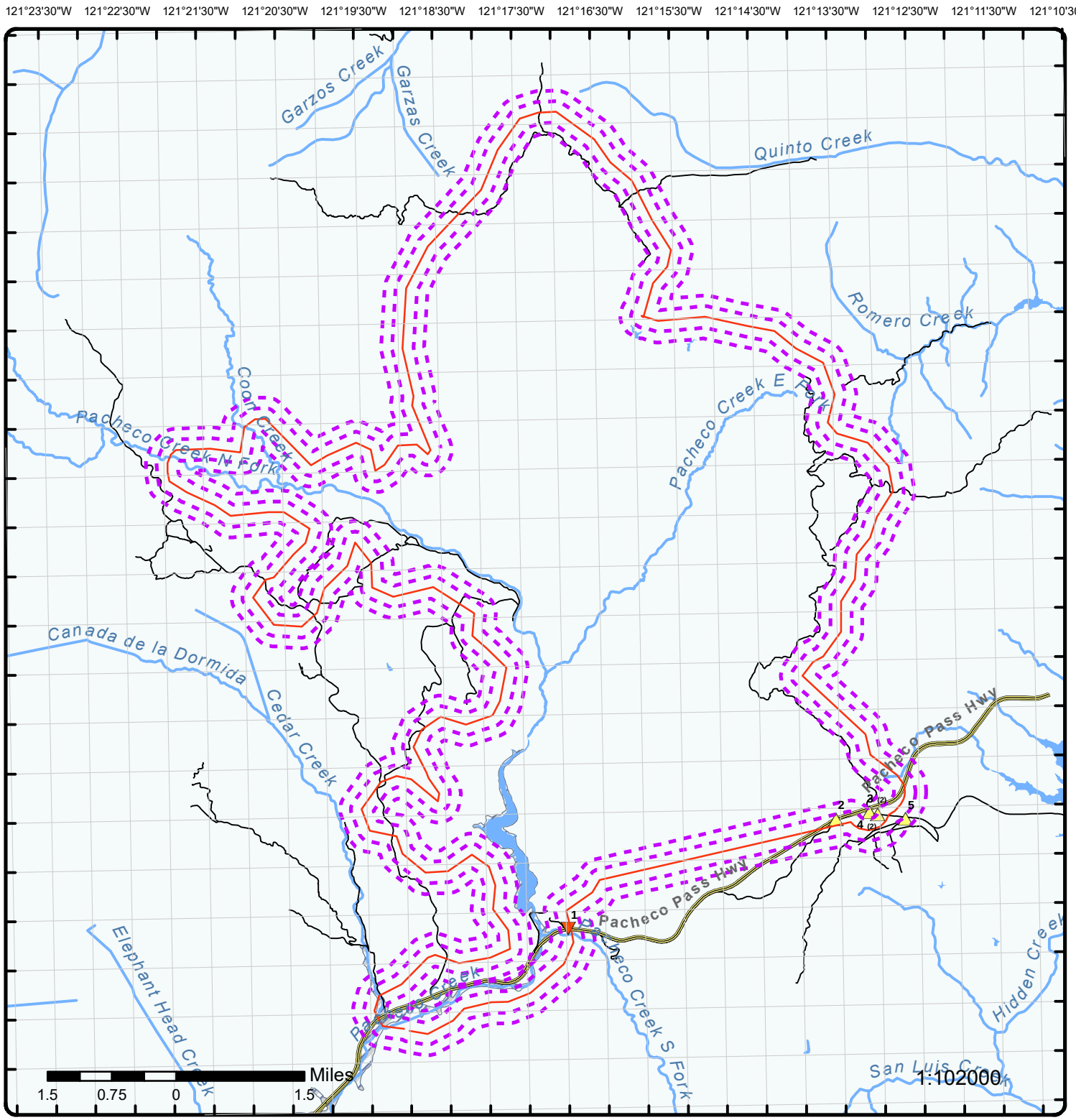
Address: Pacheco Dam, Pacheco Creek, CA

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)

Source: © 2016 ESRI

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Map : 0.25 Mile Radius

Order Number: 21012500379

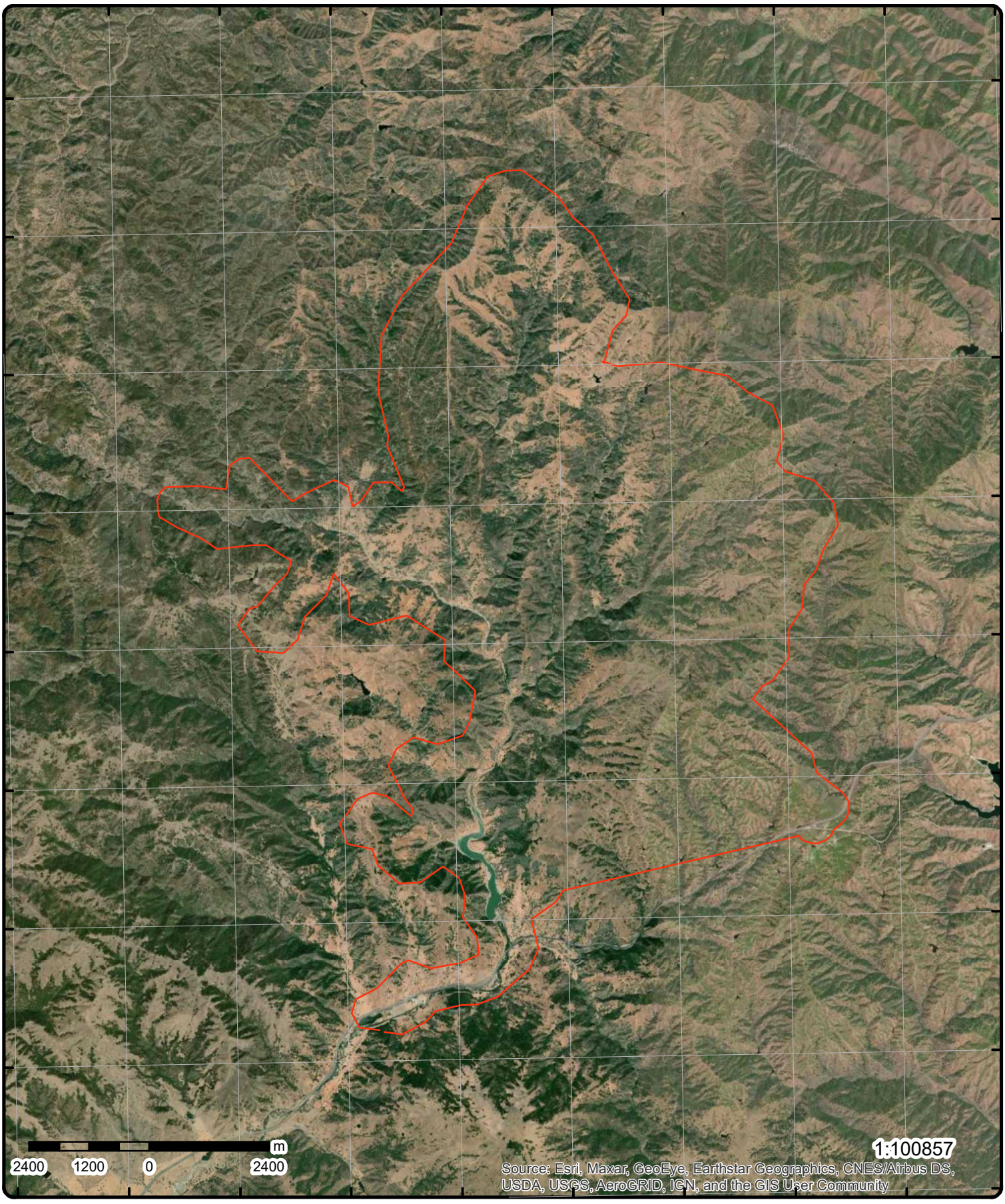
Address: Pacheco Dam, Pacheco Creek, CA

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- County Boundary
- Rails
- Major Highways
- Major Highways Ramps
- Major Roads
- Major Roads Ramps
- Secondary Roads
- Secondary Roads Ramps
- Local Roads and Ramps
- State Boundary
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- State Brownfield Sites
- State Brownfield Areas
- State Superfund Areas:Dept. of Defense
- State Superfund Areas:NPL
- WQARF Areas
- Federal Lands: Dept. of Defense (owned/administered areas)

Source: © 2016 ESRI

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Aerial **Year: 2015**

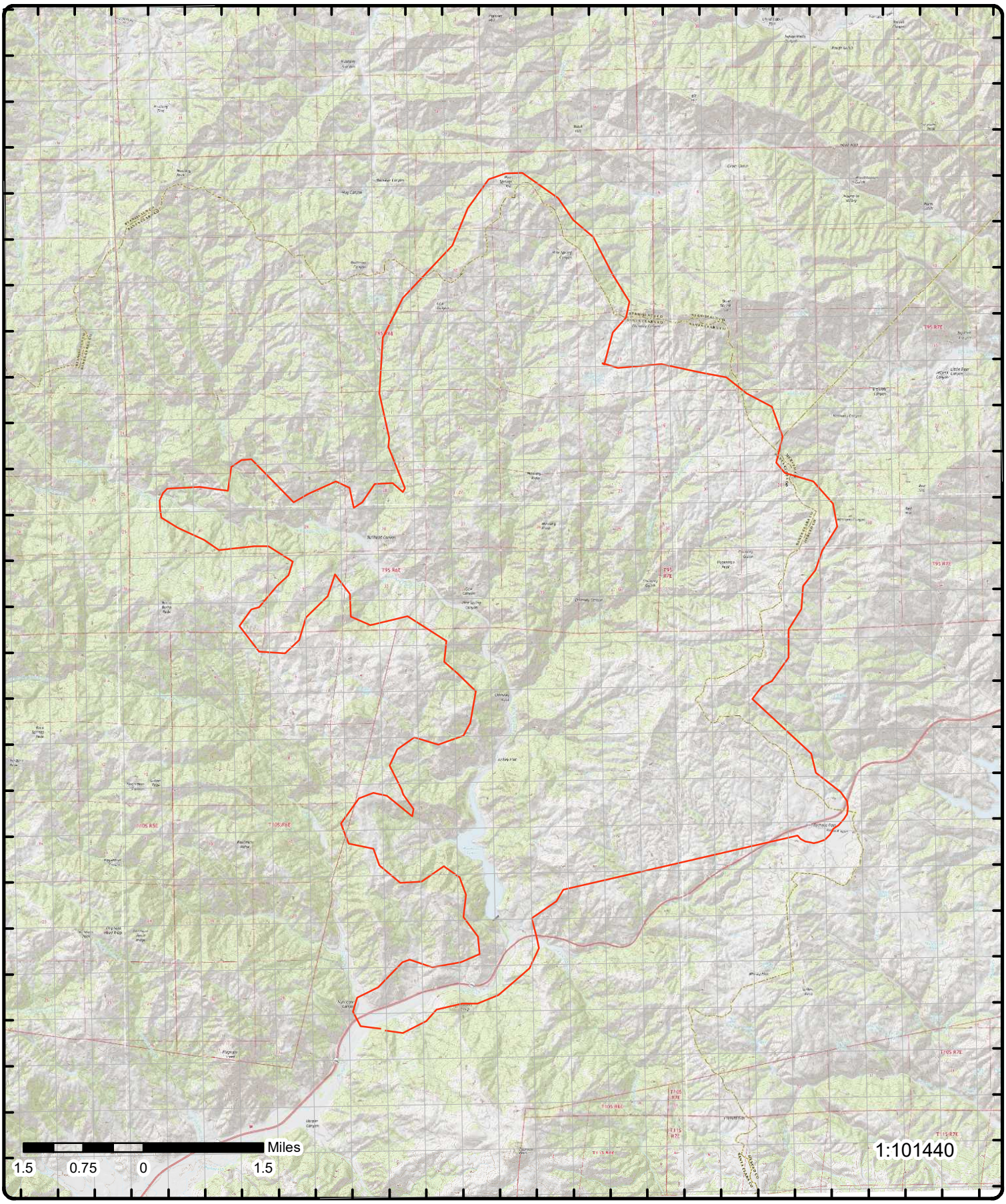
Address: Pacheco Dam, Pacheco Creek, CA

Source: ESRI World Imagery

Order Number: 21012500379

ENVIRONMENTAL RISK INFORMATION SERVICES

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Topographic Map

Year: 2015

Order Number: 21012500379

Address: Pacheco Dam, CA

Quadrangle(s): Mustang Peak,CA; Mississippi Creek,CA; Pacheco Pass,CA; Gilroy Hot Springs,CA; Crevison Peak,CA; Pacheco Pe

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Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 1	S	0.02 / 124.12	448.81 / -775	SCVWD-NORTH FORK DAM 17610 PACHECO PASS HY HOLLISTER CA 95023	SANTACLARA CUPA

Facility ID: FA0257034
GIS Latitude: 37.045347
GIS Longitude: -121.265941

Details

Record ID: PR0375542
PE: 2502
Description: HAZMAT STORAGE FACILITY-MINIMAL STORAGE SITE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 1	SE	0.07 / 375.29	1,337.57 / 113	T-Mobile West Corporation SF04719A 28890 Pacheco Pass Hwy Gilroy CA 95020	GILROY CUPA

CERS ID: 10720354
Facility ID:
Facility Regltr Key:
HM on Site:
HW Generator:
On Site HW Trtmnt:
CALARP Reg Subst:
RCRA Lrg Qnty Gen:
Recycle:
Own/Op UST:
Own/Op PST:
Organization Code: 90128011
Origin: Business
MJB: Yes
Business Name: T-Mobile West, LLC
Cnt of Bus CERS User Accts: 8
Facility Count for Business: 4896
Count of Submitted Elements: 0
Last Submit Dt (Any Element):
Small Quantity Generator Fac: No
Local Facility Grouping:

Remote Facility: No
Fac Info Rpt Req: Not Applicable
Inv Rpt Req: Not Applicable
UST Rpt Req: Not Applicable
RMR Rpt Req: Not Applicable
APSA Rpt Req: Not Applicable
CALARP Rpt Req: Not Applicable
HW Treat Rpt Req: Not Applicable
Consolid Rpt Req: Not Applicable
ER training Rpt Req: Not Applicable
Tank Close Rpt Req: Not Applicable
Latitude Measure: 37.00143
Longitude Measure: -121.52221

Owner/Operator Fields

SIC Code:
NAICS Code:
Dun and Brad Str:
Beginning Date:
Ending Date:
Phone:
Fax:
Operator Name:
Operator Phone:
Owner Name:
Owner Phone:
Owner Mail Address:
Owner City:

SEC Name:
SEC Title:
SEC Business Phone:
SEC 24 Hr Phone:
SEC Pager:
Billing Contact Nm:
Billing Contact Pho:
Billing Contact Eml:
Billing Address:
Billing Adr City:
Billing Adr State:
Billing Adr ZIP Cd:
Billing Adr Country:

Owner State:
Owner ZIP Code:
Owner Country:
Mailing Address:
Mailing Adr City:
Mailing Adr State:
Mailing Adr ZIP Cd:
PEC Name:
PEC Business Phone:
PEC 24 Hr Phone:
PEC Pager:
Owner Opr Reglr Key:
Document Preparer Name:
Identification Signer Name:
Identification Signer Title:
PEC Title:
Identification Signed Date:
AL Collected Info:

EContact Name:
EContact Phone:
EContact Mailing Adr:
EContact Email Adr:
EContact City:
EContact State:
EContact ZIP Code:
EContact Country:
County ID:
Suppl Loc Txt:

Facility Information Local Fields

Assessor Parcel No:
No of Employees:
Property Owner Name:
Property Owner Phone:
Property Owner Mailing Adr:
Property Owner City:
Property Owner State:
Property Owner Country:
Property Owner ZIP Code:

Business Activities

EPAID:
HHW Collection:
HW Tank Closure:
RW Consolidation Site:
Financial Assurance:
Comments:

Submittal Information

Submittal Action:
Submitted Date Time:
BP Activities Last Updated on:
BP Owner Opr Last Updtd on:
Next Due Date Fac Info:
Biz Activities Regulator Key:
Submitter Comments:
Submittal Action Comments:

Supplemental Geographic Data

Geographic Reference Point: Facility Center/Centroid
Horizontal Accuracy Measure: 300
Horizontal Collection Method: Address Matching
Horizontal Reference Datum: WGS84 (World Geodetic System of 1984)
Data Collection Date: 12/15/2016

Submittal Element Regulator Codes

CUPA Code: 4302
Cal ARP Regltr Cd: 4302
RMR Last Accptd Dt:
UST Regulator Code: 4302

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Cal ARP Next Due Dt:
APSA Regltr Cd: 4302
APSA Next Due Date:
APSA Lst Submttd Dt:
APSA Last Accptd Dt:
RMR Regulator Code: 4302
RMR Next Due Date:
RMR Last Submttd Dt:
Fac Info Next Due Date:
Fac Info Last Submttd Dt:
Fac Info Last Accepted Date:
Cal ARP Last Submitted Dt:
Cal ARP Last Accepted Dt:
Tank Closure Regulator Cd: 4302
Tank Closure Next Due Dt:
Tank Closure Last Submttd Dt:
Tank Closure Last Accepted Dt:
Invntry Last Submitted Dt:
Inventory Last Accepted Dt:
HW Treat Last Submitted Dt:
HW Treat Last Accepted Dt:
Consolidation Regulator Code: 4302
Consolidation Next Due Date:
Consolidation Last Submttd Dt:
Consolidation Last Accptd Dt:
ER Training Regulator Cd: 4302
ER Training Next Due Dt:
ER Training Last Submitted Dt:
ER Training Last Accepted Dt:

UST Next Due Date:
UST Last Submttd Dt:
UST Last Accptd Dt:
Inventory Regltr Cd: 4302
Invntry Next Due Dt:
HW Treat Regltr Cd: 4302
HW Treat Next Due Dt:

Inspections

Cal ARP Last Inspection Date:
APSA Last Inspection Date:
CA Last Inspection Date:
CE Last Inspection Date:
HHW Last Inspection Date:
HMRRP Last Inspection Date:
HW Last Inspection Date:
HWLQG Last Inspection Date:
HW Rec Last Inspection Date:
PBR Last Inspection Date:
UST Last Inspection Date:

3	*1 of 2*	*ESE*	*0.20 / 1,049.81*	*1,353.72 / 130*	***SPRINT PCS-SF72XC805*** ***38777 DINOSAUR POINT RD*** ***HOLLISTER CA 95023***	***SANTACLARA CUPA***

Facility ID: FA0264368
GIS Latitude: 37.0652935
GIS Longitude: -121.2140049

Details

Record ID: PR0413486
PE: 2502
Description: HAZMAT STORAGE FACILITY-MINIMAL STORAGE SITE

3	*2 of 2*	*ESE*	*0.20 / 1,049.81*	*1,353.72 / 130*	***NEXTEL-SITE CA1511*** ***38777 DINOSAUR POINT RD*** ***HOLLISTER CA 94023***	***SANTACLARA CUPA***

Facility ID: FA0257040
GIS Latitude: 37.065118
GIS Longitude: -121.2138

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Details

Record ID: PR0375553
PE: 2502
Description: HAZMAT STORAGE FACILITY-MINIMAL STORAGE SITE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of 2	ESE	0.12 / 615.27	1,364.04 / 140	AT&T Mobility - INTERNATIONAL TURBINE RESEARCH (USID79713) 38787 Dinosaur Point Road Santa Nella, CA 95322 CA	MERCED CUPA

Facility ID: FA0007619
Latitude: 0
Longitude: 0

Detail(s)

Account ID: AR0013848
Permit No:
Units: 13
Phone: 8006382822
Billing Status: 01 - 01 Active, billable
Program Element: 2502 - 2502 HAZ MAT STOR 1-5 CHEM. LG VOL/HG RISK
Contact Name: Sheila Caballero
Record ID: PR0015341
Prior Inspection Dt: 2/19/2014
Current Inspection Dt: 2/19/2017
Designated Emplo: Melissa Palomino

Account ID: AR0013848
Permit No:
Units: 0
Phone: 8006382822
Billing Status: 01 - 01 Active, billable
Program Element: 2301 - 2301 SMALL QTY. GENERATOR UP TO 2,199 LBS/MO.
Contact Name:
Record ID: PR0018912
Prior Inspection Dt:
Current Inspection Dt:
Designated Emplo: Melissa Palomino

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	2 of 2	ESE	0.12 / 615.27	1,364.04 / 140	CALIFORNIA STATE PARKS PACHECO SP 38787 DINOSAUR POINT RD HOLLISTER CA 95023-9525	RCRA NON GEN

EPA Handler ID: CAL000361493
Gen Status Universe: No Report
Contact Name: MICHAEL STEPHENS
Contact Address: 704 O STREET, , SACRAMENTO, CA, 95814,
Contact Phone No and Ext: 916-324-0412
Contact Email: MICHAEL.STEPHENS@PARKS.CA.GOV
Contact Country:
County Name: SAN BENITO
EPA Region: 09
Land Type:
Receive Date: 20110304

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No

Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20110304
Handler Name:	CALIFORNIA STATE PARKS PACHECO SP
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	704 O STREET
Name:	MICHAEL STEPHENS	***Street 2:***	
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-324-0412	***Country:***	
Source Type:	Implementer	***Zip Code:***	95814

Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	704 O STREET
Name:	CALIF DEPT OF PARKS & RECREATION	***Street 2:***	1 CAPITOL MALL STE 410
Date Became Current:		***City:***	SACRAMENTO
Date Ended Current:		***State:***	CA
Phone:	916-324-0412	***Country:***	
Source Type:	Implementer	***Zip Code:***	95814-0000

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
5	1 of 1	ESE	0.16 / 819.94	1,381.11 / 157	PACHECO STATE PARK 38778 DINOSAUR POINT GILROY CA 95020	LUST

Global ID:	T0608531207	***County:***	SANTA CLARA
Status:	COMPLETED - CASE CLOSED	***Latitude:***	37.0650444152137
Status Date:	1/31/2006	***Longitude:***	-121.220543653618
Case Type:	LUST CLEANUP SITE		
Date Source:	LUST Cleanup Sites from GeoTracker Search; LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download		

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Facilities Detail(as Nov 16 2020)

RB Case No:	3395	***Potential COC:***	Gasoline
Local Case No:	10S4E36Q01f	***How Discovered:***	
Begin Date:	4/1/1998	***Stop Method:***	
Lead Agency:	SANTA CLARA COUNTY LOP	***Stop Description:***	
Local Agency:		***Case Worker:***	
CUF Case:	NO	***File Location:***	All Files are on GeoTracker or in the Local Agency Database
Potential Media of Concern:	Soil		
How Discovered Description:			
Calwater Watershed Name:	Pajaro River - Pacheco-Santa Ana Creek (305.40)		
DWR GW Subbasin Name:			
Disadvantaged Community:			
Site History:			

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Regulatory Activity(as Nov 16 2020)

Action Type: RESPONSE
Date : 1/31/2006
Action: Correspondence

Action Type: ENFORCEMENT
Date : 1/31/2006
Action: Closure/No Further Action Letter

Action Type: RESPONSE
Date : 3/14/2003
Action: Soil and Water Investigation Report

Action Type: RESPONSE
Date : 7/18/2002
Action: Other Report / Document

Action Type: RESPONSE
Date : 2/1/2002
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 10/17/2001
Action: Staff Letter - #17797

Action Type: ENFORCEMENT
Date : 5/12/2000
Action: Warning Letter - #17957

Action Type: RESPONSE
Date : 5/22/1999
Action: Soil and Water Investigation Workplan

Action Type: ENFORCEMENT
Date : 4/7/1999
Action: Staff Letter - #17955

Action Type: RESPONSE
Date : 1/21/1999
Action: Other Report / Document

Action Type: RESPONSE
Date : 6/12/1998
Action: Other Report / Document

Action Type: RESPONSE
Date : 5/4/1998
Action: Unauthorized Release Form

Action Type: RESPONSE
Date : 4/27/1998
Action: Tank Removal Report / UST Sampling Report

Action Type: RESPONSE
Date : 4/1/1998
Action: Other Report / Document

Action Type: Other
Date : 4/1/1998
Action: Leak Reported

Action Type: RESPONSE
Date : 3/2/1998
Action: Correspondence

Action Type: RESPONSE

Date : 1/8/1998
Action: Tank Removal Report / UST Sampling Report

Action Type: RESPONSE
Date : 12/30/1992
Action: Other Report / Document

LUST Cleanup Sites from GeoTracker Cleanup Sites Data Download - Status History(as Nov 16 2020)

Status: Completed - Case Closed
Status Date: 1/31/2006

Status: Open - Case Begin Date
Status Date: 4/1/1998

LUST Sites from GeoTracker Search - Regulatory Profile (as of Oct 06, 2020)

Site Facility Name: PACHECO STATE PARK
Site Facility Type: LUST CLEANUP SITE
Cleanup Status: COMPLETED - CASE CLOSED
Project Status:
WDR Place Type:
WDR File:
WDR Order:
CUF Priority Assig:
CUF Amount Paid:
Potential COC: GASOLINE
Facility Type:
Composting Method:
Address: 38778 DINOSAUR POINT
City: GILROY
Zip: 95020
County: SANTA CLARA
CUF Claim:
File Location: ALL FILES ARE ON GEOTRACKER OR IN THE LOCAL AGENCY DATABASE
Designated Beneficial Use: MUN, AGR, IND, PROC
Project Oversight Agencies:
Report Link: https://geotracker.waterboards.ca.gov/profile_report?global_id=T0608531207
Cleanup Status Detail: COMPLETED - CASE CLOSED AS OF 1/31/2006
Cleanup History Link: https://geotracker.waterboards.ca.gov/profile_report_include?global_id=T0608531207&tabname=regulatoryhistory
Potential Media of Concern: SOIL
User Defined Beneficial Use:
DWR GW Sub Basin:
Calwater Watershed Name: Pajaro River - Pacheco-Santa Ana Creek (305.40)
Post Closure Site Management:
Future Land Use:
Cleanup Oversight Agencies: SANTA CLARA COUNTY LOP (LEAD) - CASE #: 10S4E36Q01f
CENTRAL COAST RWQCB (REGION 3) - CASE #: 3395
Gndwater Monitoring Freque:
Designated Beneficial Use Desc: Municipal and Domestic Supply, Agricultural Supply, Industrial Service Supply, Industrial Process Supply
Site History:

No site history available

LUST Sites from GeoTracker Search - Cleanup Status History (as of Oct 06, 2020)

Status: Completed - Case Closed
Date : 1/31/2006

Status: Open - Case Begin Date
Date : 4/1/1998

LUST Sites from GeoTracker Search - Regulatory Activities (as of Oct 06, 2020)

Action Type: Response Requested - Other
Action Date: 1/31/2006
Received Issue Date: 1/31/2006
Action: Correspondence
Doc Link:
Title Description Comments:

Closure Letter

Action Type: Other Regulatory Actions
Action Date: 1/31/2006
Received Issue Date: 1/31/2006
Action: Closure/No Further Action Letter
Doc Link: http://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&enforcement_id=5942484&temptable=ENFORCEMENT
Title Description Comments:

Action Type: Response Requested - Reports
Action Date: 3/14/2003
Received Issue Date: 3/14/2003
Action: Soil and Water Investigation Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608531207&doc_id=5828755
Title Description Comments:

SOIL & WATER INVESTIGATION REPORT

Action Type: Response Requested - Other
Action Date: 7/18/2002
Received Issue Date: 7/18/2002
Action: Other Report / Document
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608531207&doc_id=5828766
Title Description Comments:

WORK PLAN

Action Type: Response Requested - Workplans
Action Date: 2/1/2002
Received Issue Date: 7/23/2002
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

Soil and Water Investigation Workplan

Action Type: Other Regulatory Actions
Action Date: 10/17/2001
Received Issue Date: 10/17/2001
Action: Staff Letter - #17797
Doc Link:
Title Description Comments:

Action Type: Enforcement/Orders
Action Date: 5/12/2000
Received Issue Date: 5/12/2000
Action: Warning Letter - #17957
Doc Link:
Title Description Comments:

Action Type: Response Requested - Workplans
Action Date: 5/22/1999
Received Issue Date: 7/23/2002
Action: Soil and Water Investigation Workplan
Doc Link:
Title Description Comments:

Soil and Water Investigation Workplan

Action Type: Other Regulatory Actions
Action Date: 4/7/1999
Received Issue Date: 4/7/1999

Action: Staff Letter - #17955
Doc Link:
Title Description Comments:

Action Type: Response Requested - Other
Action Date: 1/21/1999
Received Issue Date: 1/21/1999
Action: Other Report / Document
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608531207&doc_id=5828749
Title Description Comments:

STATE INFO

Action Type: Response Requested - Other
Action Date: 6/12/1998
Received Issue Date: 6/12/1998
Action: Other Report / Document
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608531207&doc_id=5828742
Title Description Comments:

PHONE LOG

Action Type: Response Requested - Other
Action Date: 5/4/1998
Received Issue Date: 5/4/1998
Action: Unauthorized Release Form
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608531207&doc_id=5828764
Title Description Comments:

UNAUTHORIZED RELEASE FORM

Action Type: Response Requested - Reports
Action Date: 4/27/1998
Received Issue Date: 4/27/1998
Action: Tank Removal Report / UST Sampling Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608531207&doc_id=5828761
Title Description Comments:

TANK REMOVAL REPORT

Action Type: Response Requested - Other
Action Date: 4/1/1998
Received Issue Date: 4/1/1998
Action: Other Report / Document
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608531207&doc_id=5828745
Title Description Comments:

SITE VISIT

Action Type: Response Requested - Other
Action Date: 3/2/1998
Received Issue Date: 3/2/1998
Action: Correspondence
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608531207&doc_id=5828739
Title Description Comments:

Correspondence

Action Type: Response Requested - Reports
Action Date: 1/8/1998
Received Issue Date: 1/8/1998
Action: Tank Removal Report / UST Sampling Report
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608531207&doc_id=5828758

Title Description Comments:

TANK REMOVAL REPORT

Action Type: Response Requested - Other
Action Date: 12/30/1992
Received Issue Date: 12/30/1992
Action: Other Report / Document
Doc Link: https://geotracker.waterboards.ca.gov/view_documents_all?global_id=T0608531207&doc_id=5828740
Title Description Comments:

MAPS & METROSCAN INFORMATION

Action Type: Leak Action
Action Date: 4/1/1998
Received Issue Date:
Action: Leak Reported
Doc Link:
Title Description Comments:

LUST Sites from GeoTracker Search - Documents (as of Oct 06, 2020)

Document Type: Site Documents ***Size :***
Document Date: 1/31/2006 ***Submitted By:*** JOANNA KINCAID (REGULATOR)
Type: CLOSURE/NO FURTHER ACTION LETTER ***Submitted:***
Title: UNKNOWN
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&enforcement_id=5942484

Document Type: Site Documents ***Size :***
Document Date: 3/14/2003 ***Submitted By:*** JOANNA KINCAID (REGULATOR)
Type: SOIL AND WATER INVESTIGATION REPORT ***Submitted:***
Title: SOIL & WATER INVESTIGATION REPORT - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&document_id=5828755

Document Type: Site Documents ***Size :***
Document Date: 7/18/2002 ***Submitted By:*** JOANNA KINCAID (REGULATOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: WORK PLAN - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&document_id=5828766

Document Type: Site Documents ***Size :***
Document Date: 1/21/1999 ***Submitted By:*** JOANNA KINCAID (REGULATOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: STATE INFO - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&document_id=5828749

Document Type: Site Documents ***Size :***
Document Date: 6/12/1998 ***Submitted By:*** JOANNA KINCAID (REGULATOR)
Type: OTHER REPORT / DOCUMENT ***Submitted:***
Title: PHONE LOG - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&document_id=5828742

Document Type: Site Documents ***Size :***
Document Date: 5/4/1998 ***Submitted By:*** JOANNA KINCAID (REGULATOR)
Type: UNAUTHORIZED RELEASE FORM ***Submitted:***
Title: UNAUTHORIZED RELEASE FORM - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&document_id=5828764

Document Type: Site Documents ***Size :***
Document Date: 4/27/1998 ***Submitted By:*** JOANNA KINCAID (REGULATOR)
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT ***Submitted:***
Title: TANK REMOVAL REPORT - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&document_id=5828761

Document Type: Site Documents
Size :
Document Date: 4/1/1998
Submitted By: JOANNA KINCAID (REGULATOR)
Type: OTHER REPORT / DOCUMENT
Submitted:
Title: SITE VISIT - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&document_id=5828745

Document Type: Site Documents
Size :
Document Date: 3/2/1998
Submitted By: JOANNA KINCAID (REGULATOR)
Type: CORRESPONDENCE
Submitted:
Title: CORRESPONDENCE - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&document_id=5828739

Document Type: Site Documents
Size :
Document Date: 1/8/1998
Submitted By: JOANNA KINCAID (REGULATOR)
Type: TANK REMOVAL REPORT / UST SAMPLING REPORT
Submitted:
Title: TANK REMOVAL REPORT - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&document_id=5828758

Document Type: Site Documents
Size :
Document Date: 12/30/1992
Submitted By: JOANNA KINCAID (REGULATOR)
Type: OTHER REPORT / DOCUMENT
Submitted:
Title: MAPS & METROSCAN INFORMATION - REGULATOR RESPONSE
Title Link: https://geotracker.waterboards.ca.gov/view_documents?global_id=T0608531207&document_id=5828740

Unplottable Summary

Total: 5 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
DELISTED COUNTY	AT&T Mobility - International Turbine Research (USID79713)	Pacheco Pass HWY	Santa Nella CA		820099373
GEOTRACKER	B&T FARMS - BP CHRISTOPHER (AW1524)	PACHECO PASS HWY.	GILROY CA		875383826
HMIRS		HWY 152	GILROY CA		818419673
MERCED CUPA	SCVWD - PACHECO PUMP STATION	Dinosaur Point Road	Merced County, CA 95322 CA		820099340
RCRA NON GEN	AT&T MOBILITY	PACHECO PASS HWY PACHECO STATE PARK ***EPA Handler ID:*** CAL000423756	SANTA NELLA CA	95322	874009169

Unplottable Report

Site: ***AT&T Mobility - International Turbine Research (USID79713)***
Pacheco Pass HWY Santa Nella CA

DELISTED COUNTY

Original Source Facility ID: FA0007619
Original Source Name: Merced County CUPA Facilities List
Record Date: 15-SEP-2017

Site: ***B&T FARMS - BP CHRISTOPHER (AW1524)***
PACHECO PASS HWY. GILROY CA

GEOTRACKER

Global ID: AGL020020222
Status: TERMINATED
Status Date:
Site Facility Type: IRRIGATED LANDS REGULATORY PROGRAM
Latitude:
Longitude:
County: SANTA CLARA

Site:
HWY 152 GILROY CA

HMIRS

Incident County: SANTA CLARA

HMIR Incident Reports

Report No:	I-1997070967	***Fed DOT Agency Nm:***	
Report Type:	A hazardous material incident	***Fed DOT Report No:***	
Date of Incident:	1997-07-07	***Report Submit Src:***	Paper
Time of Incident:	1200	***Inc Multiple Rows:***	Yes
Haz Class Code:		***Inc Non US State:***	
Hazardous Class:	9	***Mode Transport:***	Highway
Commodity Short Nm:	HAZARDOUS WASTE, SOLID,	***Transport Phase:***	In Transit
Commodity Long Nm:	HAZARDOUS WASTE, SOLID, N.O.S.	***Incident Occrrnce:***	
Trade Name:	SOIL & DEBRIS TPH	***Mat Ship Approval?:***	No
ID No:	NA3077	***Mat Ship Approv No:***	
Haz Waste Ind:	Yes	***Undecl Hazmat Ship?:***	No
Haz Waste EPA No:		***Packaging Type:***	Non-Bulk
HMIS Tox Inhalation?:	No	***Packing Group:***	
TIH Hazard Zone:		***Carrier Reporter:***	ALLWASTE TRANSPORTATION
Qty Released:	8	***CR Street Name:***	12475 LLAGAS AVE
Unit of Measure:	Solid - Pound	***CR City:***	SAN MARTIN
What Failed:	103	***CR State:***	CA
What Failed Desc:	Basic Material	***CR Postal Code:***	95046
How Failed Code:	303	***CR Non US State:***	
How Failed Desc:	Burst or Ruptured	***CR Fed DOT ID:***	216281
Failure Cause Code:		***CR Hazmat Reg ID:***	
Failure Cause Desc:		***CR Country:***	US
Ident. Markings:		***Shipper Name:***	FAST FABRICATORS
Cont1 Pkging Type:		***Shipper Street Name:***	3387 PLUMAS ARBOGA RD
Cont1 Const Mat:		***Shipper City:***	MARYSVILLE
Cont1 Head Type:		***Shipper State:***	CA
Cont1 Pkg Capacity:	700	***Shipper Postal:***	
C1 Capacity UOM:	SLB	***Shipper Non US St:***	
Cont1 Pkg Amt:	0	***Shipper Country:***	US
C1 Pkg Amt UOM:		***Shipper Waybill:***	96852579
Cont1 Pkg No:	8	***Ship Hazmat Reg ID:***	
C1 Pkg NO Failed:	1	***Origin City:***	
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	***Origin State:***	
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	***Origin Postal:***	
Cont1 Pkg Serial NO:		***Origin Non US St:***	
C1 Pkg Last Test Dt:	1987-01-01 00:00:00	***Origin Country:***	US

C1 Test Const Mat:		***Destination City:***	KETTLEMAN CITY
C1 Pkg Dsign Pres.:	0	***Destination State:***	CALIFORNIA
C1 Dsign Press UOM:		***Destination Postal:***	93239
C1 Pkg Shell Thick:	0	***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US
C1 Head Thickness:	0	***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:	0	***Cont2 Pkg Capacity:***	0
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	0
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	0
C1 Device Model:		***Cont2 Pkg No Failed:***	0
NRC No:	394139		

RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:	0	***Employees Evac:***	0
RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:	0	***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	0
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	JAMI DAVIS
Damage > 500:	Yes	***Contact Title:***	COMPLIANCE MANAGER
Material Loss:	0	***Contact Business:***	
Carrier Damage:	0	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	1000	***Contact Postal:***	
Damage Old Form:	300	***Contact Non US St:***	
Total Damages Amt:	1300	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	No
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	No
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	DRUM METAL
Haz Hosp Old Form:	0	***HMIS Container Code:***	1A2
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Removable head steel drum
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	No
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No
Description of Events:			
Recommend Actions Taken:			

HMIR Incident Reports

Report No:	I-1997070967	***Fed DOT Agency Nm:***	
Report Type:	A hazardous material incident	***Fed DOT Report No:***	
Date of Incident:	1997-07-07	***Report Submit Src:***	Paper

Time of Incident:	1200	***Inc Multiple Rows:***	Yes
Haz Class Code:		***Inc Non US State:***	
Hazardous Class:	9	***Mode Transport:***	Highway
Commodity Short Nm:	HAZARDOUS WASTE, LIQUID,	***Transport Phase:***	In Transit
Commodity Long Nm:	HAZARDOUS WASTE, LIQUID, N.O.S.	***Incident Occrrnce:***	
Trade Name:	POLYCHLORINATED BIPH	***Mat Ship Approval?:***	No
ID No:	NA3082	***Mat Ship Approv No:***	
Haz Waste Ind:	Yes	***Undecl Hazmat Ship?:***	No
Haz Waste EPA No:		***Packaging Type:***	Non-Bulk
HMIS Tox Inhalation?:	No	***Packing Group:***	
TIH Hazard Zone:		***Carrier Reporter:***	ALLWASTE TRANSPORTATION
Qty Released:	5	***CR Street Name:***	12475 LLAGAS AVE
Unit of Measure:	Liquid - Gallon	***CR City:***	SAN MARTIN
What Failed:	103	***CR State:***	CA
What Failed Desc:	Basic Material	***CR Postal Code:***	95046
How Failed Code:	303	***CR Non US State:***	
How Failed Desc:	Burst or Ruptured	***CR Fed DOT ID:***	216281
Failure Cause Code:		***CR Hazmat Reg ID:***	
Failure Cause Desc:		***CR Country:***	US
Ident. Markings:		***Shipper Name:***	PACIFIC GAS & ELECTRIC CO
Cont1 Pkging Type:		***Shipper Street Name:***	10900 N. BLANEY AVE
Cont1 Const Mat:		***Shipper City:***	CUPERTINO
Cont1 Head Type:		***Shipper State:***	CA
Cont1 Pkg Capacity:	48.610001	***Shipper Postal:***	95014
C1 Capacity UOM:	LGA	***Shipper Non US St:***	
Cont1 Pkg Amt:	0	***Shipper Country:***	US
C1 Pkg Amt UOM:		***Shipper Waybill:***	96614867
Cont1 Pkg No:	10	***Ship Hazmat Reg ID:***	
C1 Pkg NO Failed:	1	***Origin City:***	
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	***Origin State:***	
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	***Origin Postal:***	
Cont1 Pkg Serial NO:		***Origin Non US St:***	
C1 Pkg Last Test Dt:	1996-01-01 00:00:00	***Origin Country:***	US
C1 Test Const Mat:		***Destination City:***	KETTLEMAN CITY
C1 Pkg Dsign Pres.:	0	***Destination State:***	CALIFORNIA
C1 Dsign Press UOM:		***Destination Postal:***	93239
C1 Pkg Shell Thick:	0	***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US
C1 Head Thickness:	0	***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:	0	***Cont2 Pkg Capacity:***	0
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	0
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	0
C1 Device Model:		***Cont2 Pkg No Failed:***	0
NRC No:	394139		

RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:	0	***Employees Evac:***	0
RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:	0	***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	0
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No

Other Cleanup:	No	***Contact Name:***	JAMI DAVIS
Damage > 500:	Yes	***Contact Title:***	COMPLIANCE MANAGER
Material Loss:	0	***Contact Business:***	
Carrier Damage:	0	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	1000	***Contact Postal:***	
Damage Old Form:	300	***Contact Non US St:***	
Total Damages Amt:	1300	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	No
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	No
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	DRUM METAL
Haz Hosp Old Form:	0	***HMIS Container Code:***	1A1
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Non-removable head steel drum
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	No
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No
Description of Events:			
Recommend Actions Taken:			

HMIR Incident Reports

Report No:	I-1997070967	***Fed DOT Agency Nm:***	
Report Type:	A hazardous material incident	***Fed DOT Report No:***	
Date of Incident:	1997-07-07	***Report Submit Src:***	Paper
Time of Incident:	1200	***Inc Multiple Rows:***	Yes
Haz Class Code:		***Inc Non US State:***	
Hazardous Class:	9	***Mode Transport:***	Highway
Commodity Short Nm:	HAZARDOUS WASTE, SOLID,	***Transport Phase:***	In Transit
Commodity Long Nm:	HAZARDOUS WASTE, SOLID, N.O.S.	***Incident Occrrnce:***	
Trade Name:	SOLID	***Mat Ship Approval?:***	No
ID No:	NA3077	***Mat Ship Approv No:***	
Haz Waste Ind:	Yes	***Undecl Hazmat Ship?:***	No
Haz Waste EPA No:		***Packaging Type:***	Non-Bulk
HMIS Tox Inhalation?:	No	***Packing Group:***	
TIH Hazard Zone:		***Carrier Reporter:***	ALLWASTE TRANSPORTATION
Qty Released:	8	***CR Street Name:***	12475 LLAGAS AVE
Unit of Measure:	Solid - Pound	***CR City:***	SAN MARTIN
What Failed:	103	***CR State:***	CA
What Failed Desc:	Basic Material	***CR Postal Code:***	95046
How Failed Code:	303	***CR Non US State:***	
How Failed Desc:	Burst or Ruptured	***CR Fed DOT ID:***	216281
Failure Cause Code:		***CR Hazmat Reg ID:***	
Failure Cause Desc:		***CR Country:***	US
Ident. Markings:		***Shipper Name:***	TAN THAP INC
Cont1 Pkging Type:		***Shipper Street Name:***	3445 KIFER RD
Cont1 Const Mat:		***Shipper City:***	SANTA CLARA
Cont1 Head Type:		***Shipper State:***	CA
Cont1 Pkg Capacity:	360	***Shipper Postal:***	950510711
C1 Capacity UOM:	SLB	***Shipper Non US St:***	
Cont1 Pkg Amt:	0	***Shipper Country:***	US
C1 Pkg Amt UOM:		***Shipper Waybill:***	90733932
Cont1 Pkg No:	24	***Ship Hazmat Reg ID:***	
C1 Pkg NO Failed:	1	***Origin City:***	
Cont1 Pkg Mnfctr:	NOT REPORTED BY CARRIER	***Origin State:***	
Cont1 Pkg Mnfct Dt:	0-00-00 00:00:00	***Origin Postal:***	
Cont1 Pkg Serial NO:		***Origin Non US St:***	
C1 Pkg Last Test Dt:	1997-01-01 00:00:00	***Origin Country:***	US
C1 Test Const Mat:		***Destination City:***	KETTLEMAN CITY
C1 Pkg Dsign Pres.:	0	***Destination State:***	CALIFORNIA
C1 Dsign Press UOM:		***Destination Postal:***	93239
C1 Pkg Shell Thick:	0	***Destination Non US:***	
C1 Shell Thick UOM:		***Destination Country:***	US

C1 Head Thickness:	0	***Cont2 Package Type:***	
C1 Head Thick UOM:		***Cont2 Const Mat:***	
C1 Pkg Srvc Pres.:	0	***Cont2 Pkg Capacity:***	0
C1 Srvc Press UOM:		***Cont2 Capacity UOM:***	
C1 Valve/Device Fail?:	No	***Cont2 Pkg Amount:***	0
C1 Device Type:		***Cont2 Pkg Amt UOM:***	
C1 Device Mnfctr:		***Cont2 Pkg No:***	0
C1 Device Model:		***Cont2 Pkg No Failed:***	0
NRC No:	394139		

RAM Pkg Category:		***Haz NonHosp Public:***	0
RAM Pkg Cert.:	FALSE	***Haz NonHosp Old:***	
RAM Pkg Cert. NBR:		***Tot Haz Non Hosp Inj:***	
RAM Nuclide S:		***Total Hazmat Injuries:***	0
RAM Transport Index:		***Evacuation Indicator:***	No
RAM UOM:		***Public Evacuated:***	0
RAM Activity Rpted:	0	***Employees Evac:***	0
RAM UOM Rpted:		***Total Evacuated:***	0
RAM Activity:	0	***Total Evacuation Hrs:***	0
RAM Activity UOM:		***Major Artery Closed:***	No
RAM Mat Safety:		***Mjr Artery Hrs Closed:***	0
Spillage Result:	Yes	***Material Involved:***	No
Fire Result:	No	***Estimated Speed:***	0
Explosion Result:	No	***Weather Conditions:***	
Water Sewer Result:	No	***Vehicle Overturn:***	No
Gas Dispersion:	No	***Vehicle Left Roadway:***	No
Environment Damage:	No	***Passenger Aircraft:***	No
No Release Result:	No	***Cargo Baggage:***	
Fire EMS Report:	No	***Ship Non Transport:***	No
Fire EMS EMS Report:		***Ship Air First Flight:***	No
Police Report:	No	***Ship Air Subflight:***	No
Police Report No:		***Ship Init Transport:***	No
In House Cleanup:	No	***Ship Phase Transfer:***	No
Other Cleanup:	No	***Contact Name:***	JAMI DAVIS
Damage > 500:	Yes	***Contact Title:***	COMPLIANCE MANAGER
Material Loss:	0	***Contact Business:***	
Carrier Damage:	0	***Contact Street:***	
Property Damage:	0	***Contact City:***	
Response Cost:	0	***Contact State:***	
Remediation Cost:	1000	***Contact Postal:***	
Damage Old Form:	300	***Contact Non US St:***	
Total Damages Amt:	1300	***Contact Country:***	US
Hazmat Fatality:	No	***Inc. Report Prepared:***	
Haz Fatal Employees:	0	***HMIS Serious Incidnt:***	No
Haz Fatal Respndrs:	0	***HMIS Serious Fatality:***	No
Haz Fatal Gen Public:	0	***HMIS Serious Injury:***	No
Tot Hazmat Fatalities:	0	***HMIS Flight Plan:***	No
Non Hazmat Fatality:	No	***HMIS Serious Evacs:***	No
Non Hazmat Fatals:	0	***HMIS Major Artery:***	No
Hazmat Injury:	No	***HMIS Bulk Release:***	No
Haz Hospital Empl:	0	***HMIS Marine Pollutnt:***	No
Haz Hospital Resp:	0	***HMIS Radioactive:***	No
Haz Hosp Gen Public:	0	***HMIS Gen Pkg Type:***	DRUM METAL
Haz Hosp Old Form:	0	***HMIS Container Code:***	DRUM MTL
Total Haz Hosp Inj:	0	***HMIS Container Desc:***	Metal drum
Haz Non Hosp Empl:	0	***HMIS Bulk Incident:***	No
Haz Non Hosp Resp:	0	***Undeclared Shipment:***	No
Description of Events:			
Recommend Actions Taken:			

Site: ***SCVWD - PACHECO PUMP STATION***
Dinosaur Point Road Merced County, CA 95322 CA

MERCED CUPA

Facility ID:	FA0007936
Latitude:	0
Longitude:	0

Detail(s)

Account ID:	AR0014918	***Record ID:***	PR0016468
Permit No:		***Prior Inspection Dt:***	
Units:	0	***Current Inspection Dt:***	
Phone:	9253371808	***Designated Emplo:***	(none)
Billing Status:	02 - 02 Inactive, non-billable		
Program Element:	2301 - 2301 SMALL QTY. GENERATOR UP TO 2,199 LBS/MO.		
Contact Name:			

Account ID:	AR0014918	***Record ID:***	PR0016470
Permit No:		***Prior Inspection Dt:***	
Units:	0	***Current Inspection Dt:***	
Phone:	9253371808	***Designated Emplo:***	Melissa Palomino
Billing Status:	01 - 01 Active, billable		
Program Element:	2301 - 2301 SMALL QTY. GENERATOR UP TO 2,199 LBS/MO.		
Contact Name:			

Account ID:	AR0014918	***Record ID:***	PR0016471
Permit No:		***Prior Inspection Dt:***	
Units:	0	***Current Inspection Dt:***	
Phone:	9253371808	***Designated Emplo:***	Melissa Palomino
Billing Status:	01 - 01 Active, billable		
Program Element:	2504 - 2504 HAZ MAT STOR 6 OR MORE HG RISK/LG VOL		
Contact Name:			

Account ID:	AR0014918	***Record ID:***	PR0016469
Permit No:		***Prior Inspection Dt:***	
Units:	0	***Current Inspection Dt:***	
Phone:	9253371808	***Designated Emplo:***	(none)
Billing Status:	02 - 02 Inactive, non-billable		
Program Element:	2504 - 2504 HAZ MAT STOR 6 OR MORE HG RISK/LG VOL		
Contact Name:			

Site: ***AT&T MOBILITY***
PACHECO PASS HWY PACHECO STATE PARK SANTA NELLA CA 95322

RCRA NON GEN

EPA Handler ID:	CAL000423756
Gen Status Universe:	No Report
Contact Name:	DERONICA LAMB
Contact Address:	308 S. AKARD ST ROOM 1700, , DALLAS, TX, 75202-0000,
Contact Phone No and Ext:	214-741-0464
Contact Email:	DR1429@ATT.COM
Contact Country:	
County Name:	MERCED
EPA Region:	09
Land Type:	
Receive Date:	20170103

Violation/Evaluation Summary

Note: NO RECORDS: As of Oct 2020, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No

Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20170103
Handler Name: AT&T MOBILITY
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: NEW CINGULAR WIRELESS PCS, LLC
Date Became Current:
Date Ended Current:
Phone: 214-741-0464
Source Type: Implementer
Street No:
Street 1: 308 S. AKARD ST. ROOM 1700
Street 2:
City: DALLAS
State: TX
Country:
Zip Code: 75202-0000

Owner/Operator Ind: Current Operator
Type: Other
Name: DERONICA LAMB
Date Became Current:
Date Ended Current:
Phone: 214-741-0464
Source Type: Implementer
Street No:
Street 1: 308 S. AKARD ST ROOM 1700
Street 2:
City: DALLAS
State: TX
Country:
Zip Code: 75202-0000

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Mar 26, 2020

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Dec 30, 2020

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Dec 30, 2020

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Dec 30, 2020

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Oct 28, 2020

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Oct 28, 2020

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Oct 19, 2020

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Oct 19, 2020

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Oct 19, 2020

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Oct 19, 2020

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Oct 19, 2020

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Oct 19, 2020

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 26, 2020

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Aug 26, 2020

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Nov 9, 2020

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Sep 3, 2019

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Oct 28, 2020

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Sep 22, 2020

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Oct 5, 2020

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Oct 5, 2020

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Oct 5, 2020

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Oct 15, 2020

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Oct 5, 2020

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Nov 16, 2020

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Nov 16, 2020

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Nov 16, 2020

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Nov 16, 2020

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: Oct 7, 2020

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Dec 3, 2020

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Dec 3, 2020

California Environmental Reporting System (CERS) Tanks: CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Oct 26, 2020

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Oct 5, 2020

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Oct 16, 2020

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Nov 16, 2020

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Oct 5, 2020

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Nov 16, 2020

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Jan 5, 2021

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Oct 26, 2020

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

Merced County - CUPA Facilities List: MERCED CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in the County of Merced. This list is made available by Merced County which has been certified by CalEPA to implement the Unified program as a CUPA for the entire county.

Government Publication Date: Sep 19, 2019

Santa Clara County - Historic Solvent Case Listing: SANTACLARA HSOL

The Santa Clara Valley Water District was responsible for the oversight of solvent and toxic release cases and maintained a list of historic solvent cases in Santa Clara County.

Government Publication Date: Aug 22, 2016

Santa Clara County - Local Oversight Program Listing: SANTACLARA LO

A list of Leaking Underground Storage Tanks (LUST) facilities in Santa Clara County Provided by Santa Clara Department of Environmental Health (DEH). Since July 1, 2004 the DEH has served as the oversight agency for investigations and clean-up of petroleum releases from underground storage tanks through implementation of the Local Oversight Program (LOP) contract with the State Water Resources Control Board.

Government Publication Date: Jun 14, 2017

Santa Clara County - Underground Storage Tanks: UST SANTACLARA

List of underground storage tanks made available by the County of Santa Clara's Hazardous Materials Compliance Division.

Government Publication Date: Nov 17, 2020

Santa Clara County - CUPA Facilities List: SANTACLARA CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Santa Clara County. This list is made available by Santa Clara County Department of Environmental health (DEH). DEH's Hazardous Materials Compliance Division (HMCD) is CUPA for the county with jurisdiction within the Cities of Los Altos Hills, Monte Sereno, and Saratoga; and in all unincorporated areas of Santa Clara County, including Moffett Field, San Martin, and Stanford.

Government Publication Date: Dec 9, 2020

Santa Clara County - City of San Jose Hazardous Material Facilities: SANJOSE HM

A list of facilities with hazardous materials, including underground and aboveground tanks. This list is maintained by the City of San Jose Fire Department.

Government Publication Date: Oct 15, 2020

Santa Clara County - Gilroy City CUPA Facilities List: GILROY CUPA

The Gilroy City Fire Marshal's office maintains a list of CUPA Facilities located in Gilroy City.

Government Publication Date: Sep 21, 2020

Santa Clara County - Sunnyvale City CUPA List: SUNNYVALE CUPA

A list of facilities associated with various Certified Unified Program Agency (CUPA) programs in Sunnyvale City, Santa Clara County. This list is made available by the Fire Prevention & Hazardous Materials division of the Sunnyvale Department of Public Safety.

Government Publication Date: Jul 16, 2019

Stanislaus County - CUPA List: STANISLAUS CUPA

The Environmental Resources Department of Stanislaus County maintains a list of Certified Unified Program Agency (CUPA) facilities.

Government Publication Date: Dec 11, 2020

Additional Environmental Record Sources

Federal

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Nov 18, 2020

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Feb 19, 2020

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Oct 5, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).

Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.

The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.

Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN

An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP

An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.

Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP

Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.

Government Publication Date: Dec 30, 2020

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER

The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS

The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.

Government Publication Date: Aug 24, 2020

Drycleaner Facilities: FED DRYCLEANERS

A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.

Government Publication Date: Jan 20, 2020

Delisted Drycleaner Facilities: DELISTED FED DRY

List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).

Government Publication Date: Jan 20, 2020

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: Jan 28, 2020

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: Aug 5, 2020

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 3, 2020

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Sep 24, 2020

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Mar 31, 2020

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 19, 2020

State

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Nov 10, 2020

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Nov 10, 2020

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2018

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

List of sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 16, 2020

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Oct 22, 2020

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: Nov 10, 2020

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Oct 7, 2020

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Oct 5, 2020

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Oct 12, 2020

Hazardous Waste Manifest Data: HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Feb 16, 2012

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Oct 26, 2020

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Nov 16, 2020

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Nov 16, 2020

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2018

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jun 30, 2018

Tribal

No Tribal additional environmental record sources available for this State.

County

No County additional environmental databases were selected to be included in the search.

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.