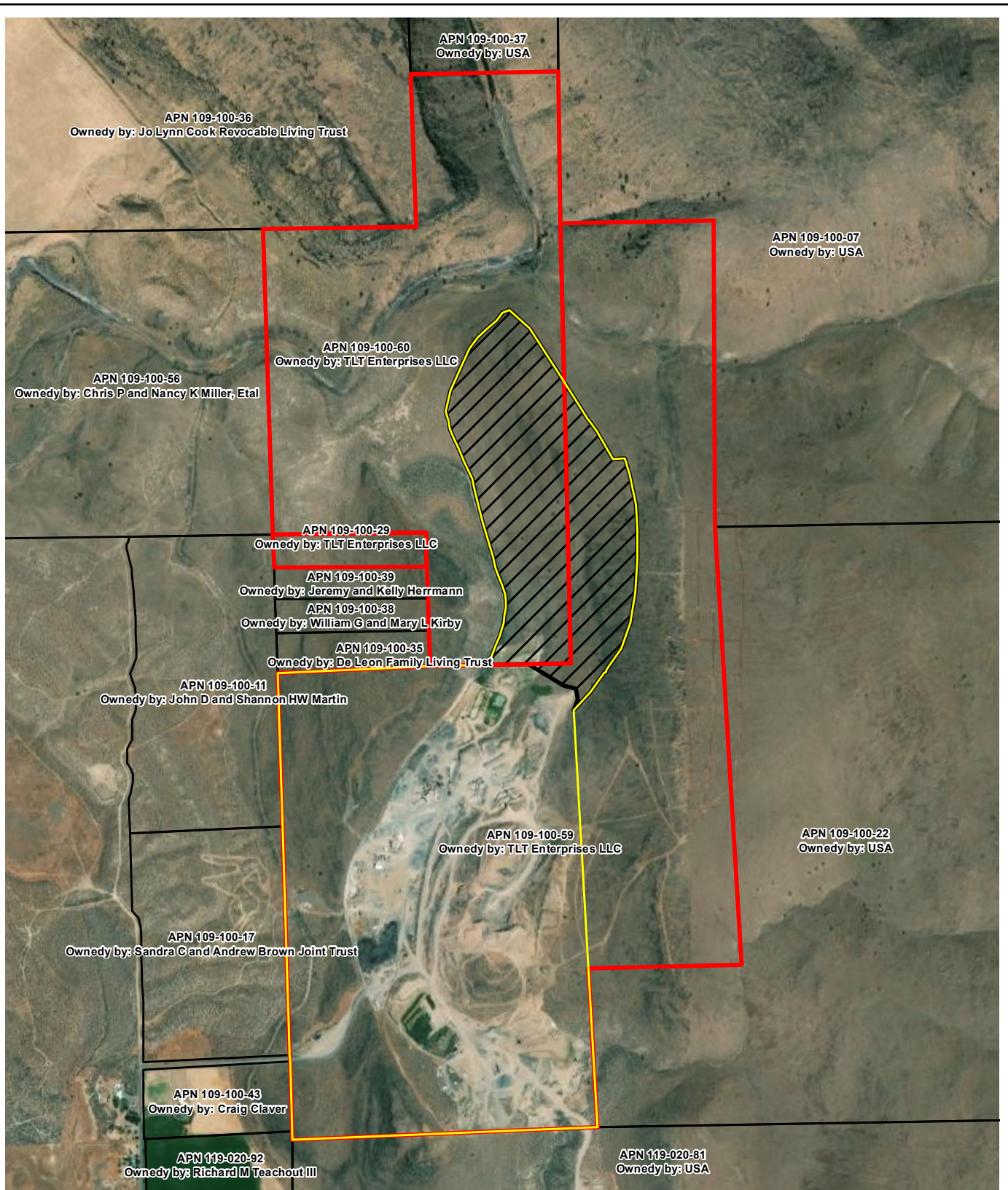
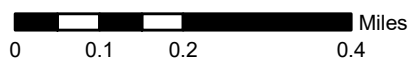




- | | |
|---|---|
|  Project Site |  Approximate Parcel Boundary |
|  Proposed Expansion Area |  Approximate Surrounding Parcel Boundary |



SOURCE: MAXAR 2019 AERIAL PHOTOGRAPH; CNDDB AUGUST 2020

FIGURE 3-11
ADJACENT LAND OWNERS
WARD LAKE QUARRY
LASSEN COUNTY, CALIFORNIA



-  Proposed Expansion Area
-  Project Site
-  Critical Winter Range

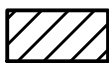
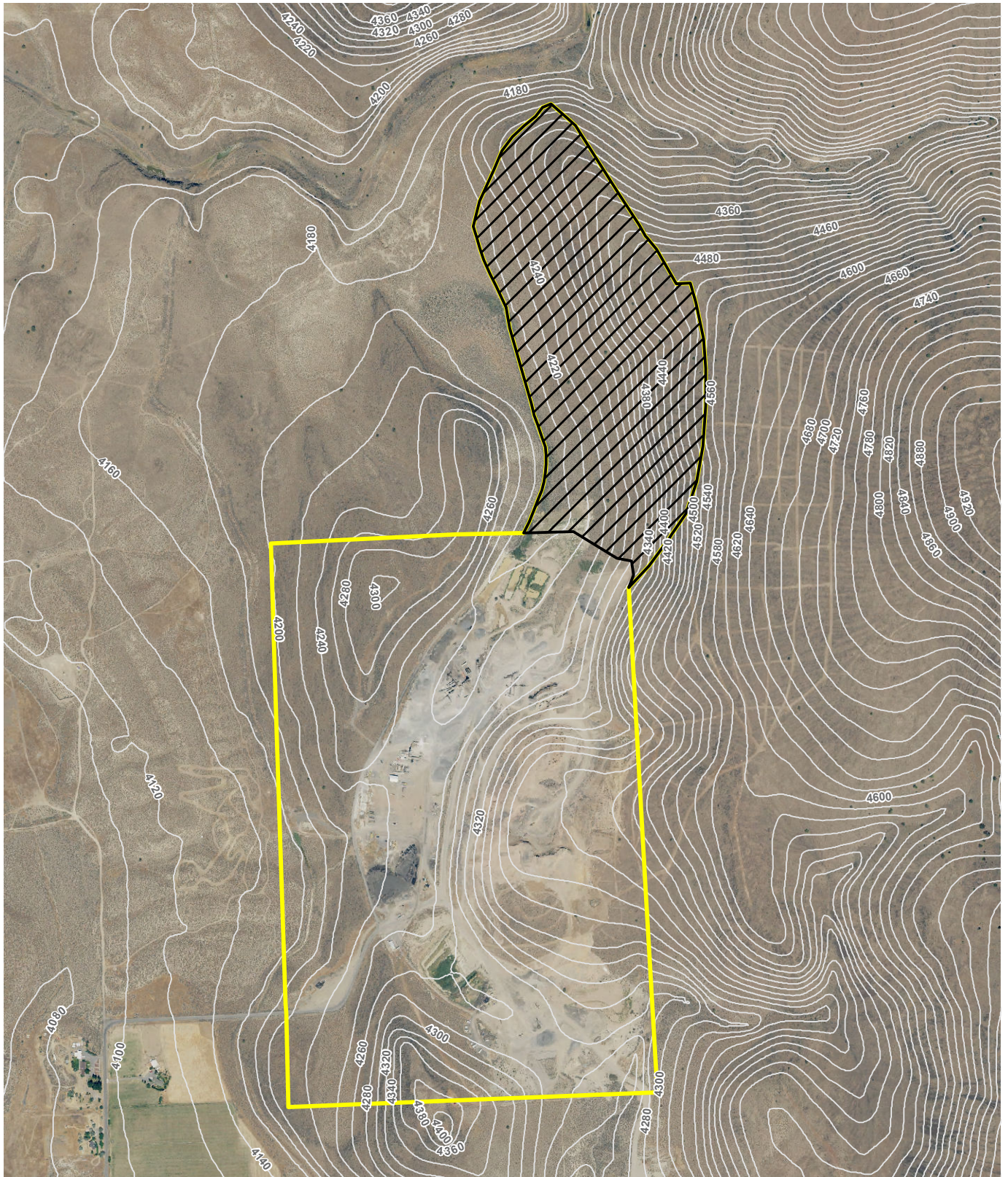


0 0.75 1.5 3 Miles



SOURCE: USDA NAIP 2016 AERIAL PHOTOGRAPH; USFS 2009

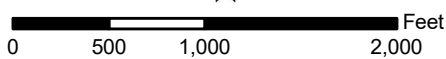
FIGURE 4-4
MULE DEER HABITAT
WARD LAKE QUARRY
LASSEN COUNTY, CALIFORNIA



Proposed Expansion Area



Project Site



SOURCE: USDA NAIP 2016 AERIAL PHOTOGRAPH; USGS 10-METER DEM

FIGURE 3-4
DEM TOPOGRAPHY
WARD LAKE QUARRY
LASSEN COUNTY, CALIFORNIA

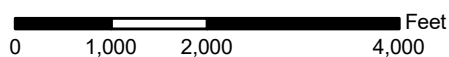
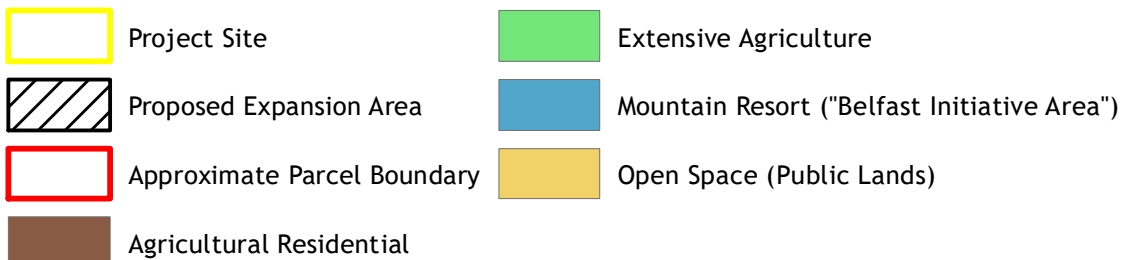
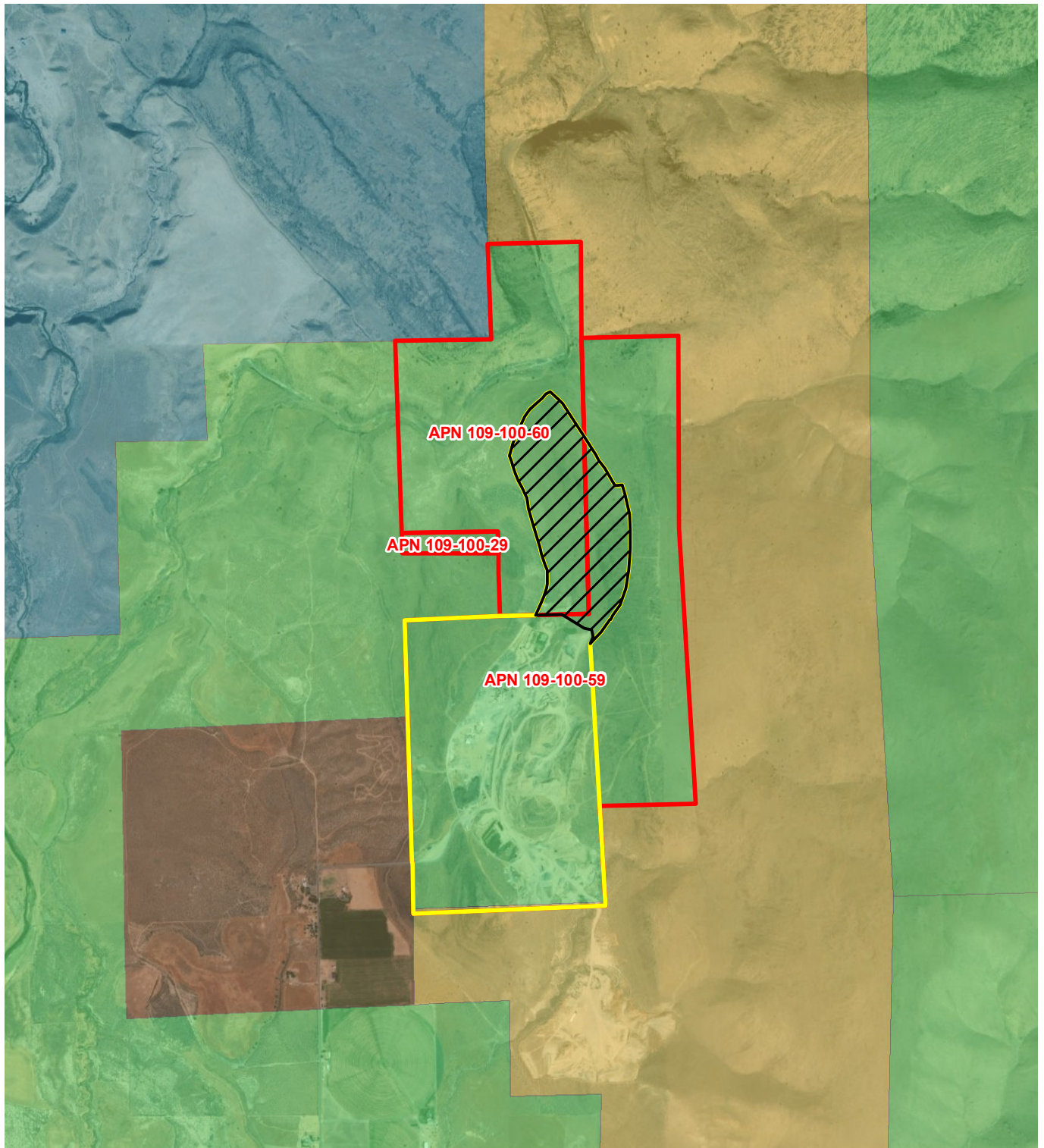
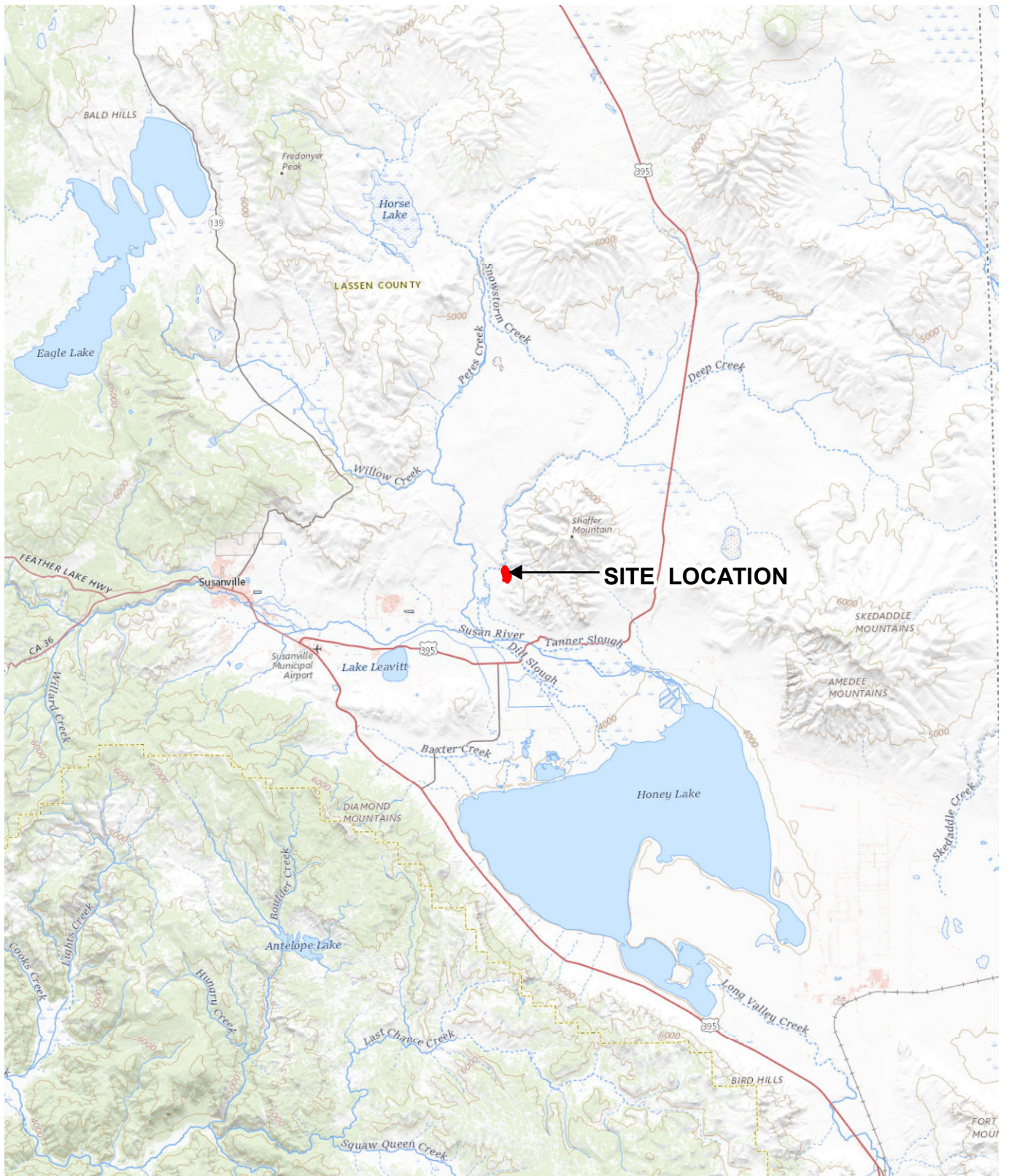


FIGURE 3-9
GENERAL PLAN LAND USE
WARD LAKE QUARRY
LASSEN COUNTY, CALIFORNIA

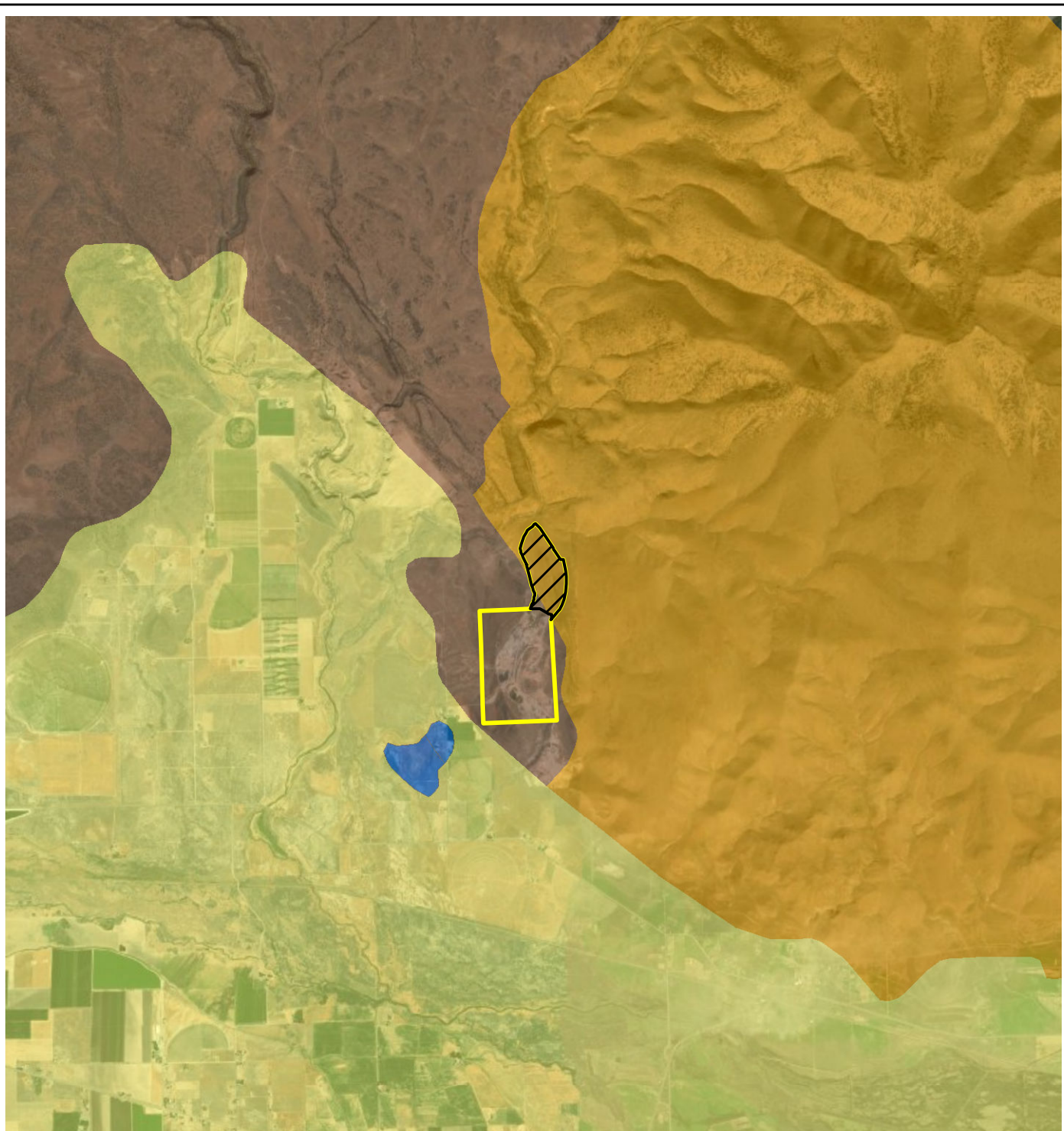
SOURCE: MAXAR 2019 AERIAL PHOTOGRAPH; LASSEN COUNTY 2014



0 2.5 5 10 Miles



FIGURE 3-1
GENERAL SITE LOCATION
WARD LAKE QUARRY
LASSEN COUNTY, CALIFORNIA



Proposed Expansion Area



Project Site



Q: Quaternary alluvium and marine deposits (Pliocene to Holocene)



Qv: Quaternary volcanic flow rocks, unit 1 (Cascade volcanic field) (Quaternary)



Tv: Tertiary volcanic flow rocks, unit 17 (Cascade Range)



Water

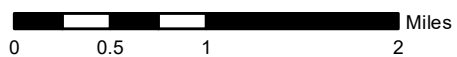
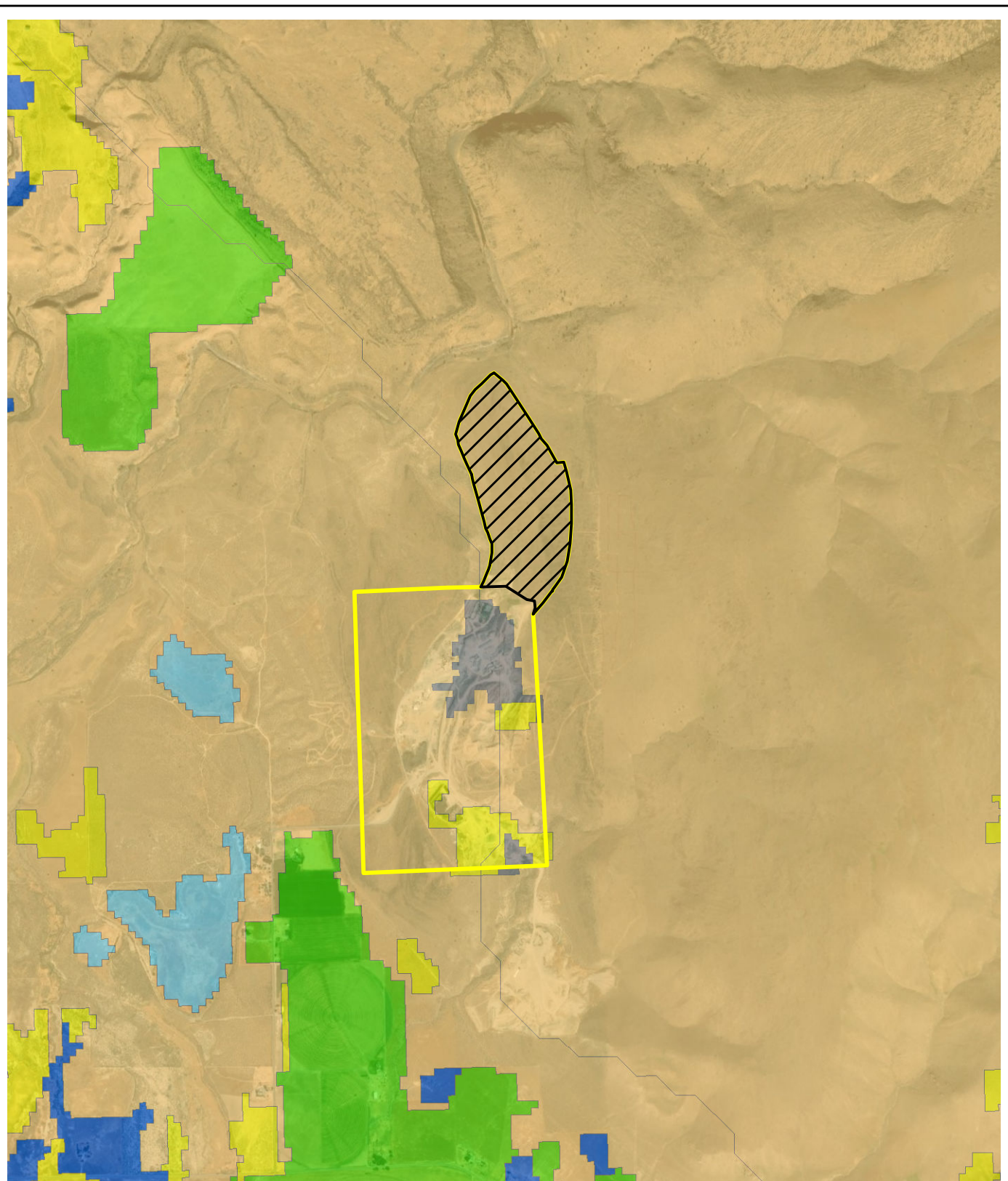


FIGURE 3-6
GEOLOGY
WARD LAKE QUARRY
LASSEN COUNTY, CALIFORNIA

SOURCE: DIGITALGLOBE 2018 AERIAL PHOTOGRAPH; USGS 2014

P:\GIS\71305\WardLakeExpansion2020\Figures\2021_EIR\71305_Geology.mxd



Proposed Expansion Area



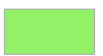
Project Site



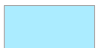
Annual Grassland



Barren



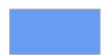
Cropland



Lacustrine



Sagebrush



Wet Meadow

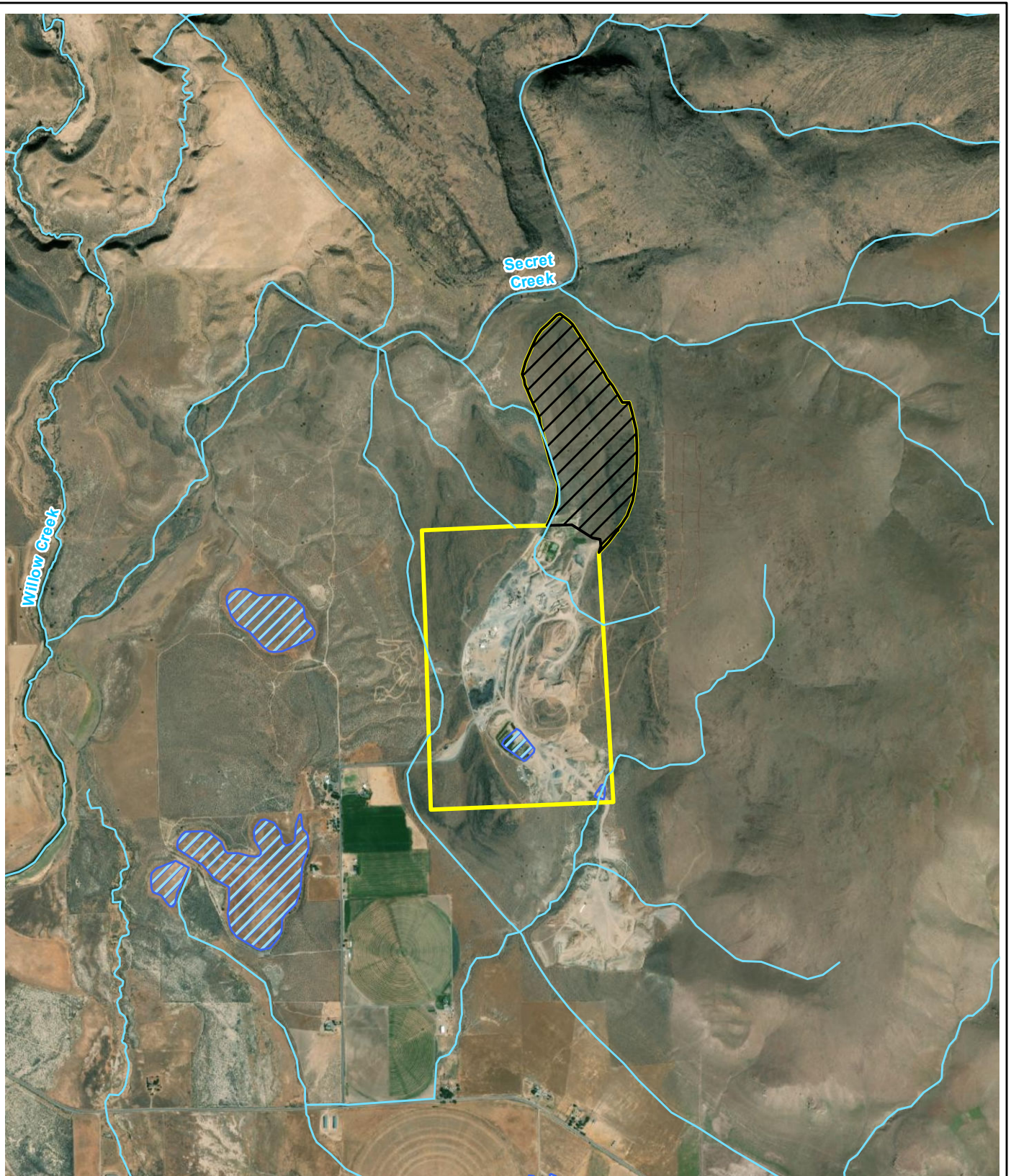


0 1,000 2,000 4,000 Feet

SOURCE: USDA NAIP 2016 AERIAL PHOTOGRAPH; USFS 2009



FIGURE 4-3
CWHR HABITAT TYPES
WARD LAKE QUARRY
LASSEN COUNTY, CALIFORNIA



- Watercourse
- Project Site
- Proposed Expansion Area
- Waterbody

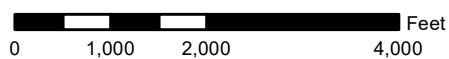
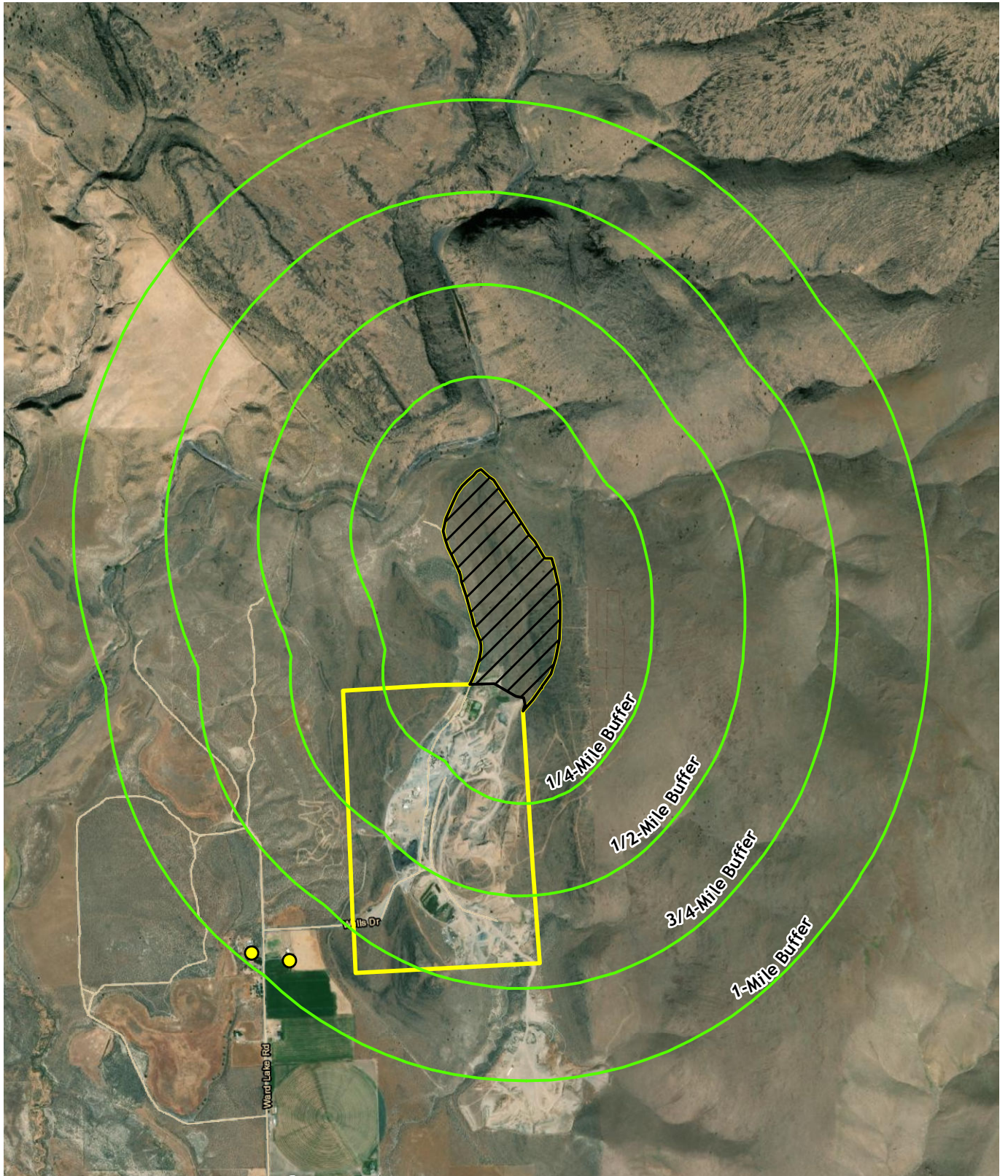


FIGURE 3-5
HYDROLOGY
 WARD LAKE QUARRY
 LASSEN COUNTY, CALIFORNIA

SOURCE: DIGITALGLOBE 2018 AERIAL PHOTOGRAPH; USGS 2014



- Nearby Residence
- Proposed Expansion Area
- Project Site



SOURCE: MAXAR 2019 AERIAL PHOTOGRAPH

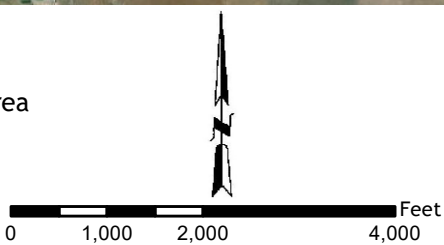
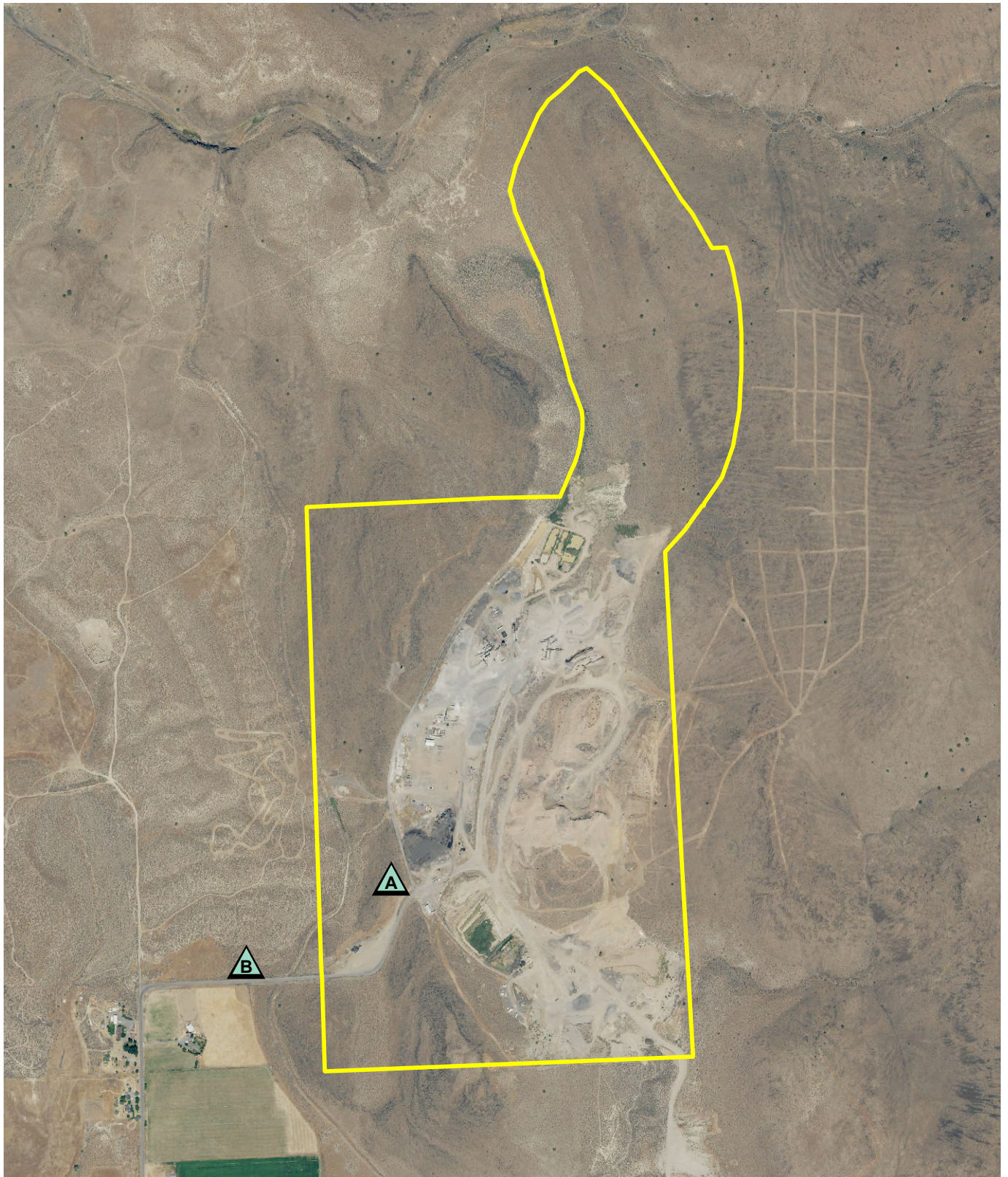


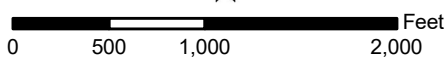
FIGURE 3-10
NEARBY RESIDENCES
 WARD LAKE QUARRY
 LASSEN COUNTY, CALIFORNIA



Continuous Noise Measurement Site

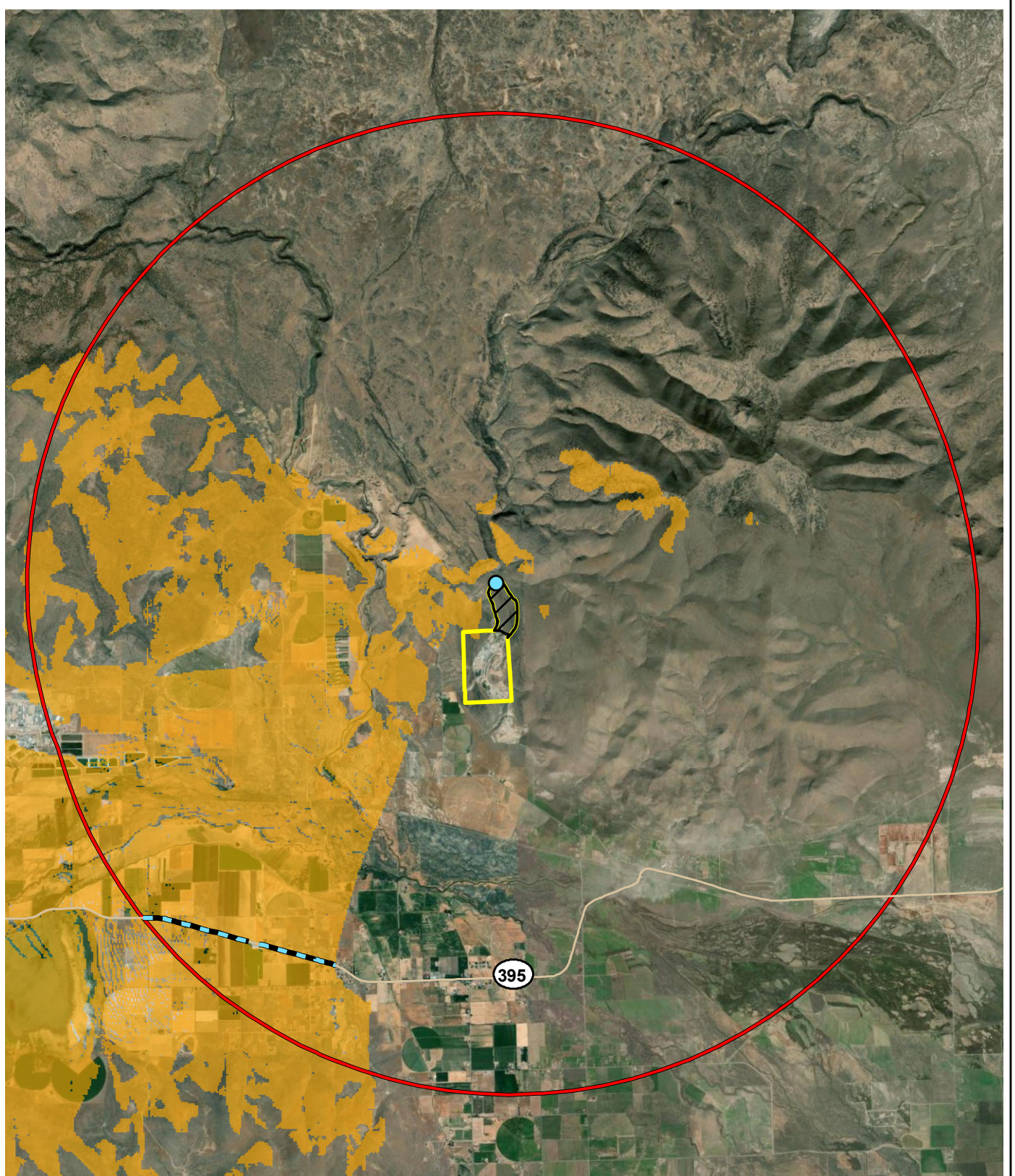


Project Site



SOURCE: J.C. BRENNAN & ASSOCIATES, 2018

FIGURE 4-6
NOISE MEASUREMENT LOCATIONS
WARD LAKE QUARRY
LASSEN COUNTY, CALIFORNIA



● North Observation Location

--- Segment of Highway Visible from North Observation Location

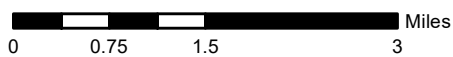
— Highway

□ Project Site

▨ Proposed Expansion Area

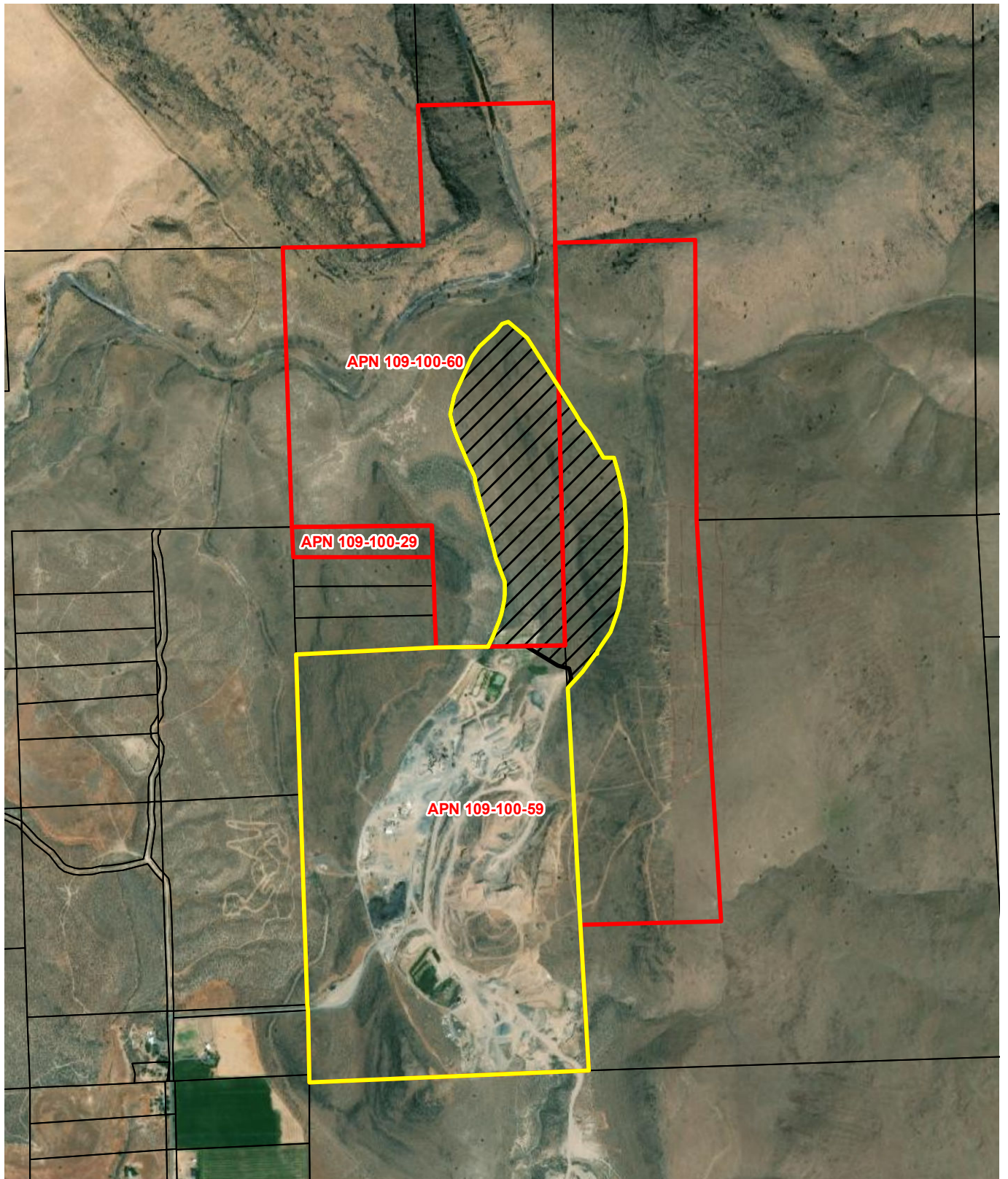
□ 5-Mile Buffer Around Proposed Expansion Area

■ Viewshed Area Visible from North Observation Location



SOURCE: DIGITALGLOBE 2018 AERIAL PHOTOGRAPH

FIGURE 4-1
VISUAL PROJECTION WITHIN 5 MILES
OF NORTH OBSERVATION LOCATION
WARD LAKE QUARRY
SUSANVILLE, CALIFORNIA



- Project Site
- Approximate Parcel Boundary
- Proposed Expansion Area

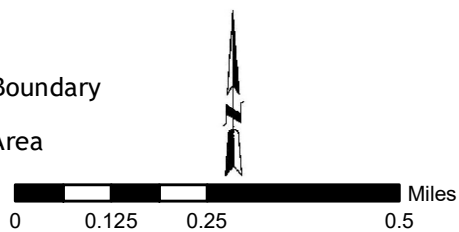
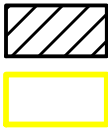
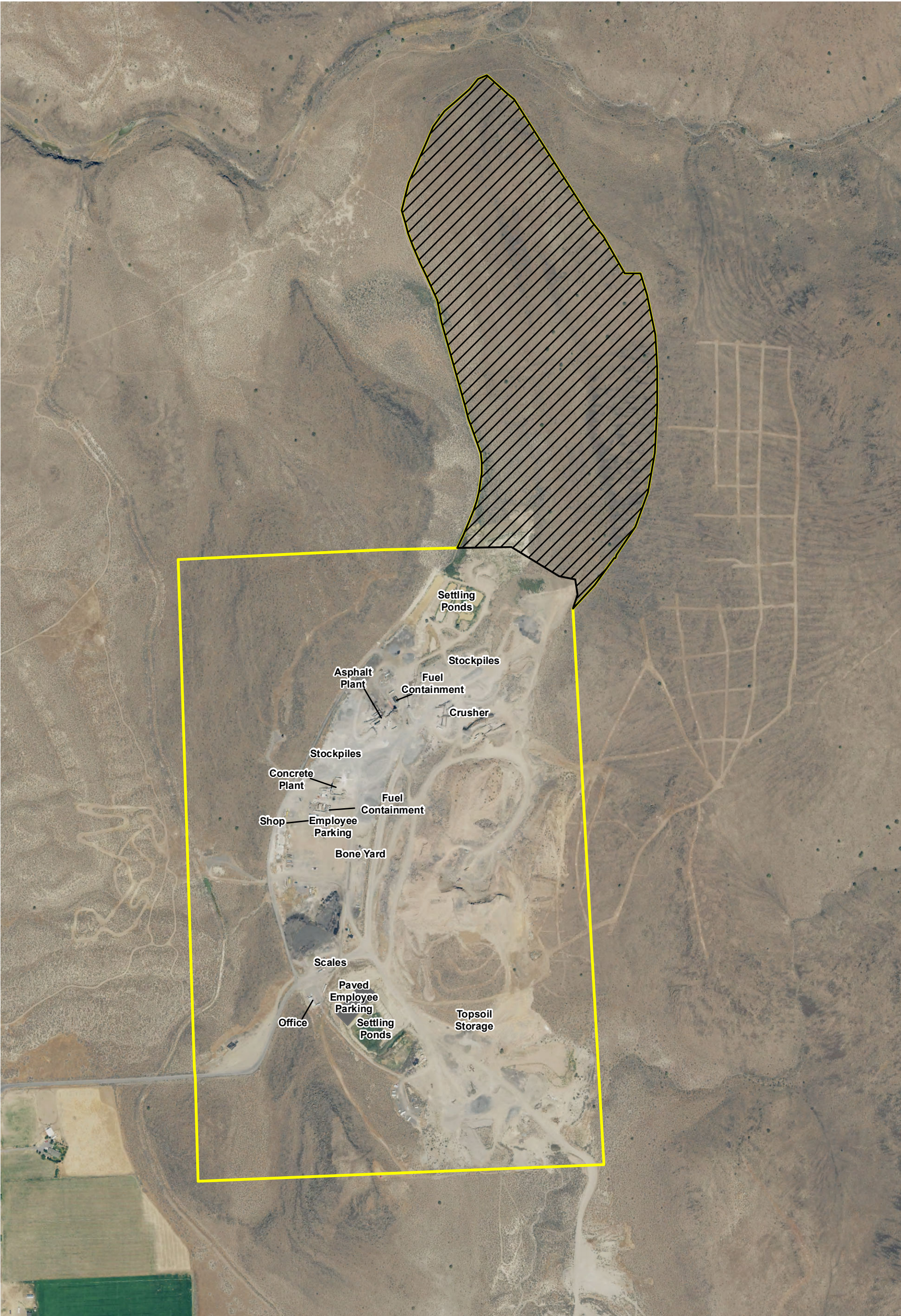


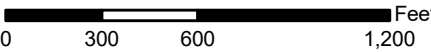
FIGURE 3-2
PARCEL BOUNDARIES
 WARD LAKE QUARRY
 LASSEN COUNTY, CALIFORNIA

SOURCE: MAXAR 2019 AERIAL PHOTOGRAPH



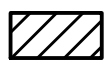
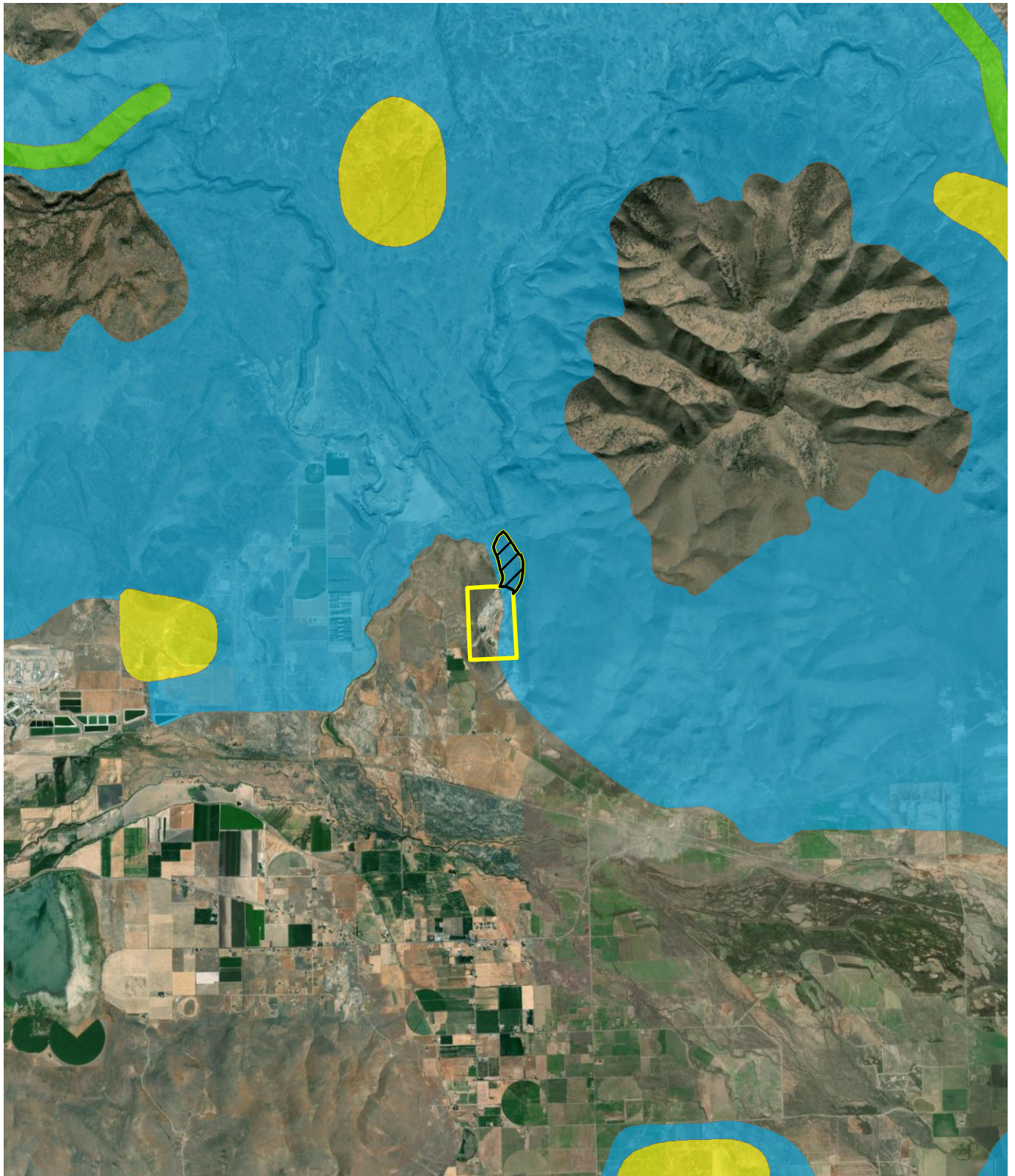
Proposed Expansion Area

Project Site



SOURCE: USDA NAIP 2016 AERIAL PHOTOGRAPH

FIGURE 3-3
PROJECT SITE LAYOUT
WARD LAKE QUARRY
LASSEN COUNTY, CALIFORNIA



Proposed Expansion Area



Project Site



Kidding Grounds



Migration Corridor



Winter Range

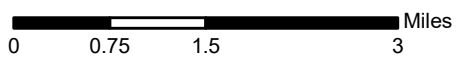
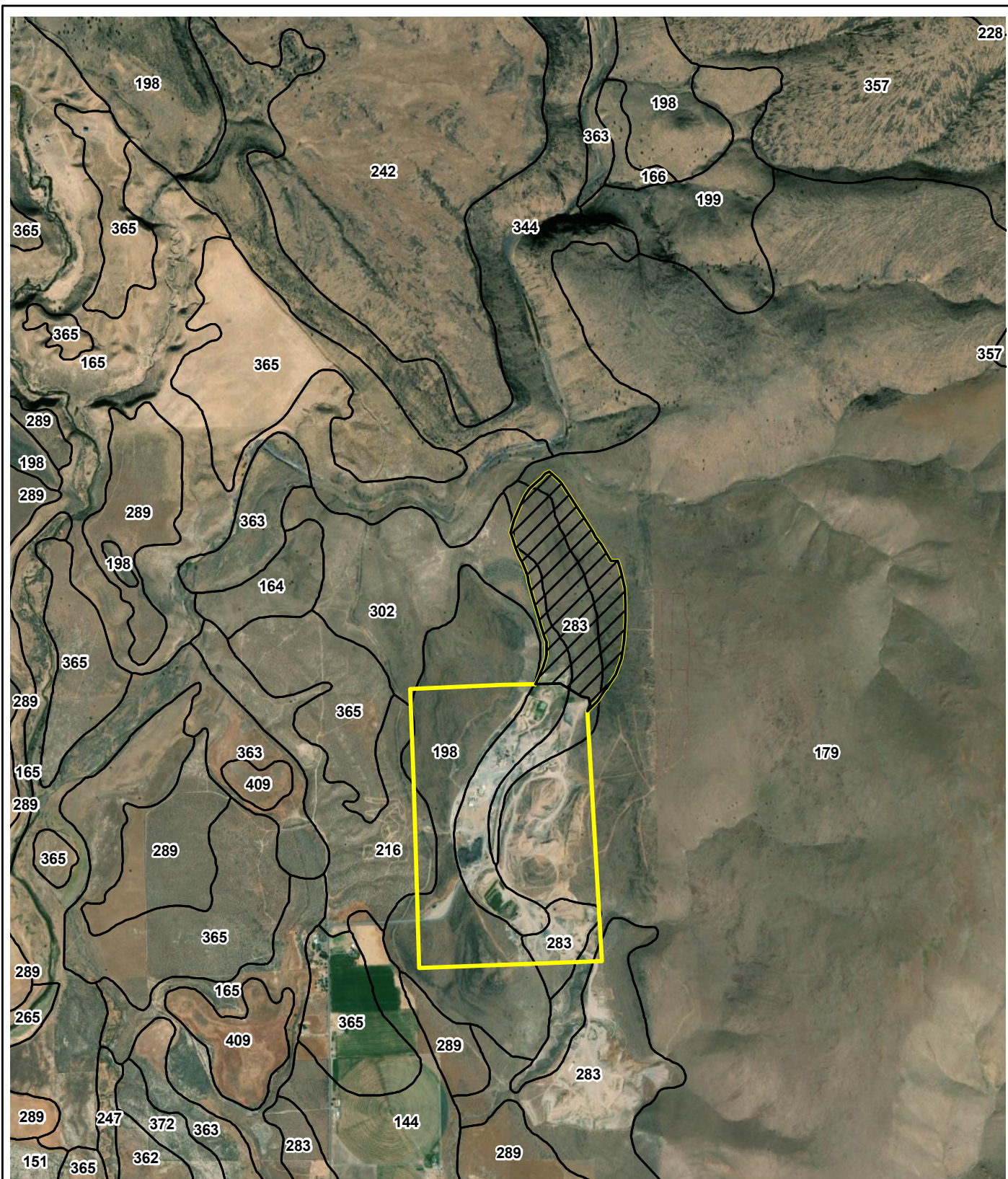


FIGURE 4-5
PRONGHORN ANTELOPE HABITAT
WARD LAKE QUARRY
LASSEN COUNTY, CALIFORNIA

SOURCE: USDA NAIP 2016 AERIAL PHOTOGRAPH; USFS 2009

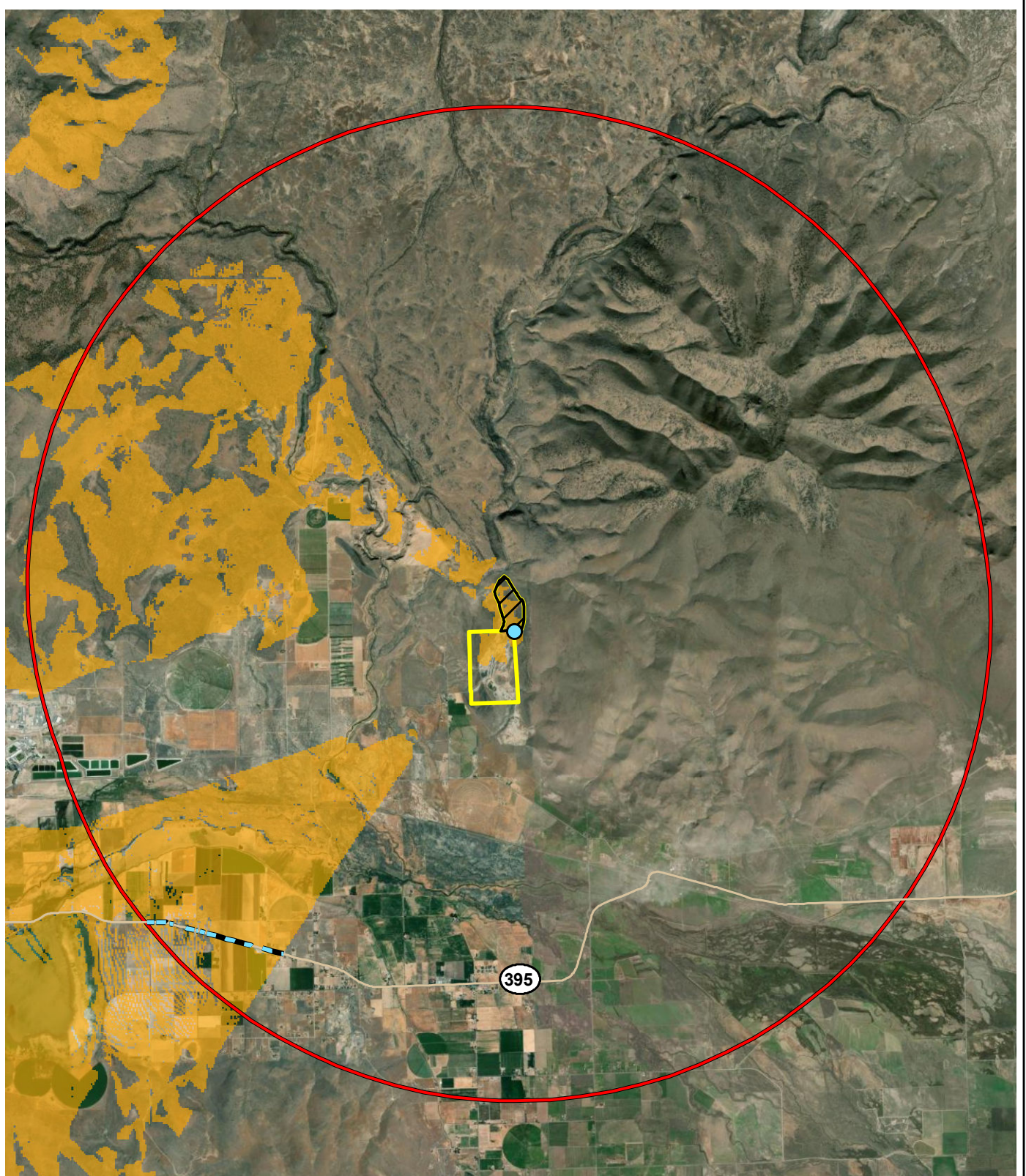


-  Proposed Expansion Area
-  Project Site
-  Soil Map Unit



SOURCE: DIGITALGLOBE 2018 AERIAL PHOTOGRAPH; USGS 2014

FIGURE 3-7
SOILS
WARD LAKE QUARRY
LASSEN COUNTY, CALIFORNIA



● South Observation Location

--- Segment of Highway Visible from South Observation Location

— Highway

□ Project Site

▨ Proposed Expansion Area

□ 5-Mile Buffer Around Proposed Expansion Area

■ Viewshed Area Visible from South Observation Location

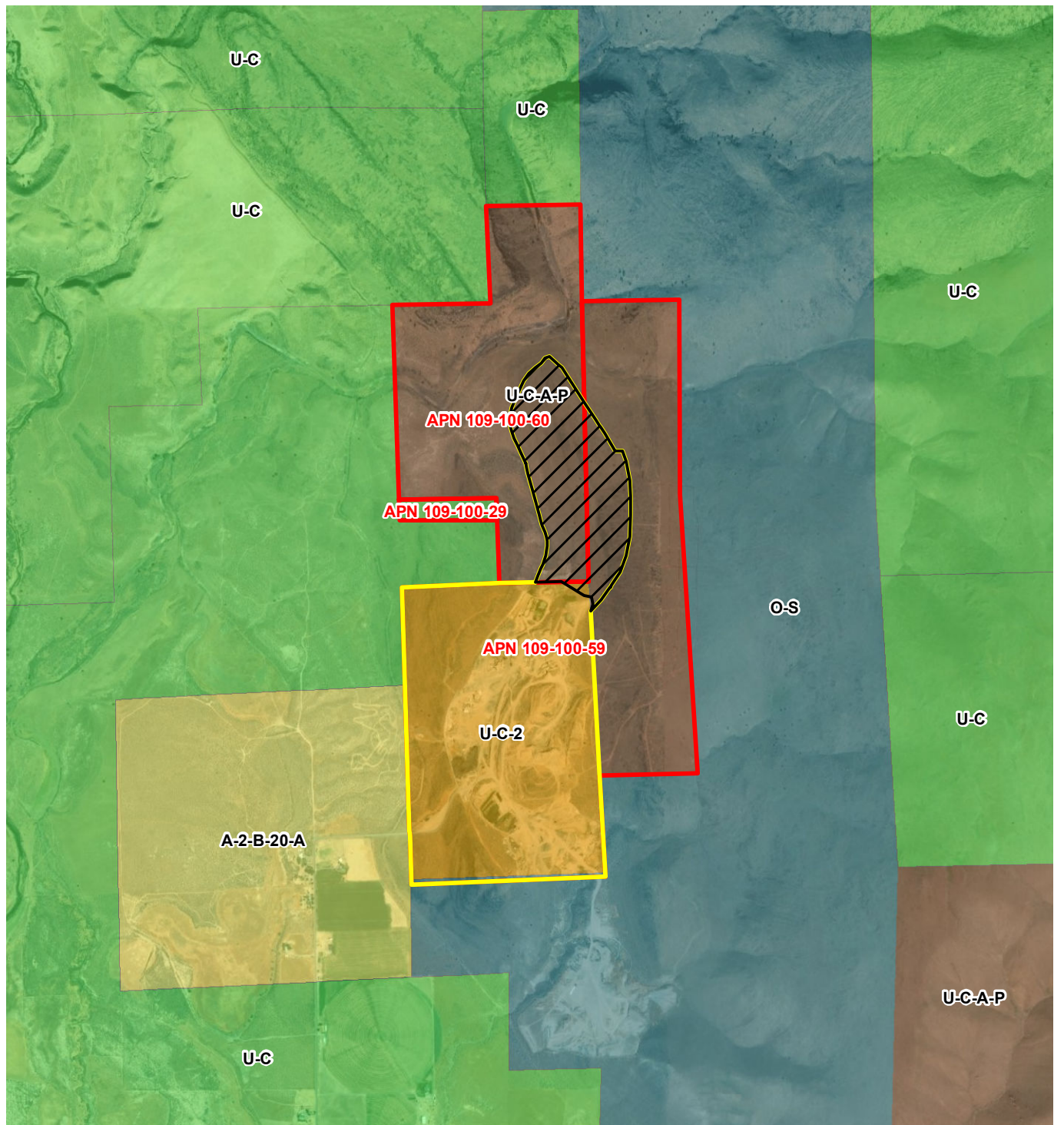


0 0.75 1.5 3 Miles



SOURCE: DIGITALGLOBE 2018 AERIAL PHOTOGRAPH

FIGURE 4-2
VISUAL PROJECTION WITHIN 5 MILES
OF SOUTH OBSERVATION LOCATION
WARD LAKE QUARRY
SUSANVILLE, CALIFORNIA



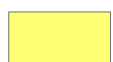
Project Site



Proposed Expansion



Approximate Parcel Boundary



A-2-B-20-A (Agricultural Residential District/Building Site Combining District/Agricultural Combining Districts)



O-S (Open Space District)



U-C (Upland Conservation District)



U-C-2 (Upland Conservation/Resource Management District)



U-C-A-P (Upland Conservation District/Agricultural Preserve Combining District)



0 1,000 2,000 4,000 Feet

FIGURE 3-8

ZONING

WARD LAKE QUARRY

LASSEN COUNTY, CALIFORNIA

SOURCE: MAXAR 2019 AERIAL PHOTOGRAPH; LASSEN COUNTY 2018