

Singer Geoglyphs (Gold Basin-Rand Intaglios)

Description/Location: This unit is located in central Imperial County, approximately 33 miles east of Brawley, California. It is south of the Mesquite Gold Mine and Highway 78.

Nationally Significant Values:

Ecological: Within this unit is a species of highest management concern, the desert tortoise which also has been found to warrant inclusion by the U.S. Fish and Wildlife Service on its Endangered Species list. The tortoise is present in low numbers in the unit.

Cultural: This unit contains a significant type of prehistoric archaeological site, geoglyphs (also known as intaglios), that are extremely susceptible to disturbance. The Singer Geoglyphs have been determined eligible for listing in the National Register of Historic Places (NRHP) as one component of a thematic nomination. This provides the Singer Geoglyphs with formal federal recognition, considered nationally significant because of their rarity and unique expression of Native American culture.

Scientific: Potential scientific research opportunities are also present. Archaeologists generally consider geoglyphs to represent physical manifestations of mythological or cosmological aspects of Native American culture. Ground figures go well beyond the usual study of stone tools and ceramic fragments into the very ethnic fabric of prehistoric people. Prehistoric archaeological sites with scientific information potential that make them eligible for listing in the NRHP are located within this unit.

Special Designations/Management Plan/Date: ACEC Plan No. 67, 08/08/1986

Relevance and Importance Criteria: Relevant cultural resources. This unit contains a significant cultural resources including a type of prehistoric archaeological site, geoglyphs (also known as intaglios), that are extremely susceptible to disturbance.

Goals: To protect and preserve to the greatest extent possible representative samples of the full array of the CDCA's cultural and paleontological resources for the benefit of the scientific and socio-cultural use by present and future generations.

For NLCS Lands: Where this ruleset differs from the plan-wide NLCS rulesets, the more restrictive rules will apply.

Designation and Acreage by Alternative:

| Alternative | BLM Acres of NLCS within ACEC or Wildlife Allocation | BLM Acres within ACEC | BLM Acres within Wildlife Allocation | ACEC Disturbance Cap |
|-----------------------|--|-----------------------|--------------------------------------|----------------------|
| No Action | 0 | 1,900 | 0 | NA |
| Preferred Alternative | 1,900 | 1,900 | 0 | 0.5% |
| 1 | 0 | 1,900 | 0 | 0.5% |
| 2 | 1,900 | 1,900 | 0 | 0.5% |
| 3 | 1,900 | 1,900 | 0 | 0.5% |
| 4 | 0 | 1,900 | 0 | 0.5% |

*** Acreage values are for BLM managed lands**

Alternatives :

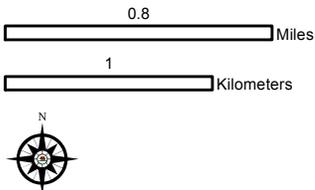
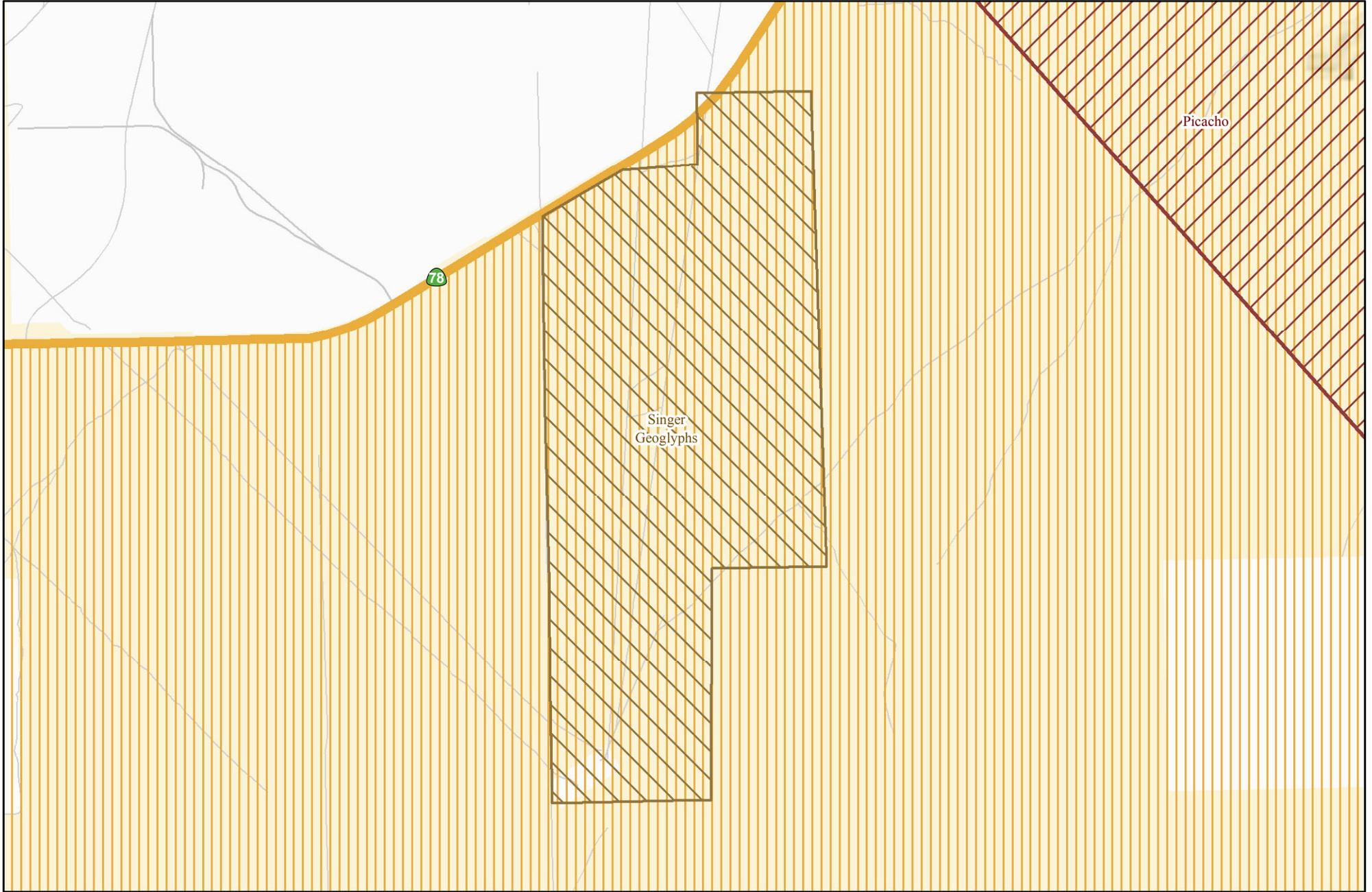
All Alternatives-- This unit would continue to be managed as it currently is.

| Objectives (desired future conditions)/Allowable Uses/Management Actions | Resource |
|--|---|
| <p>Objective: Minimize soil disturbance.</p> <p>Objective: Minimize disturbance to washes that would result in negative ecological consequences to wildlife and plant communities dependent upon them.</p> <p>Management Action: Monitor to ensure materials are not being dumped directly into washes.</p> <p>Management Action: Require all undertakings with the potential to spill hazardous material (e.g., motor oil, coolant) to follow proper federal and state reporting requirements after a spill to avoid material(s) contaminating water.</p> <p>Objective: Protect air quality and visibility standards in accordance with the Southeast Desert Air Basin nonattainment standards.</p> <p>Management Action: Coordinate with the California Environmental Protection Agency Air Resources Board.</p> <p>Objective: Manage the ACEC within the standards for visibility-reducing particles, and attainment for other criteria in accordance with the standards set by the Imperial County Air Pollution Control District.</p> <p>Management Action: Coordinate with the Imperial County Air Pollution Control District.</p> | Soil, water, air |
| Vegetation within the ACEC conforms to drainage patterns. The terraces upon which the geoglyphs have been fashioned largely lack plant life. Sandy washes, however, hold an abundant display and variety of desert plants. These include palo verde, ironwood, ocotillo, barrel cactus, cholla, brittle bush, creosote, and | Vegetation (incl. special status species) |

| | |
|--|---|
| <p>a number of others. The fairy duster is the only sensitive species. This is considered by the California Native Plant Society to be rare or endangered in California, although it is more common elsewhere.</p> <p>Objective: Maintain robust populations of rare native plants. Management Action: Manage vehicular traffic to stay on designated OHV routes. Management Action: Eradicate and control the spread of invasive and noxious weeds.</p> <p>Objective: Update the baseline of plant species to track environmental changes. Management Action: Inventory vascular and non-vascular plants, include soil crust species, in the ACEC.</p> | |
| <p>The faunal community is typical of the lower Colorado Desert. Common species include zebra-tailed lizard, roundtail ground squirrel, coyote, black-tailed gnatcatcher, white-crowned sparrow, and blacktail jackrabbit. Kit fox are also present, and the area is used occasionally by burro mule deer. The species of highest management concern is the desert tortoise which also has been found to warrant inclusion by the U.S. Fish and Wildlife Service on its Endangered Species list. The tortoise is present in low numbers in the ACEC.</p> <p>Objective: Maintain and enhance habitat that supports native wildlife; Desert Tortoise, Mule Deer, Bighorn Sheep. Management Action: Monitor wildlife for habitat and population change. Management Action: Allow construction of wildlife waters as appropriate.</p> <p>Objective: Manage landscape to ensure wildlife passage and connectivity between wildlife populations.</p> | <p>Fish and Wildlife (incl. special status species)</p> |
| <p>See programmatic ACEC cultural resources objective and action items in general cultural resources rules.</p> <p>Objective: Provide for the protection of the highly sensitive geoglyphs. Management Action: Monitor and maintain the fences that enclose the geoglyphs.</p> <p>Management Action: Monitor the creation of illegal routes and perform route restoration as needed. Management Action: Conduct regular ranger patrols and surveillance. Management Action: Exclude OHV use within one mile of cultural resources except on designated routes. Management Action: Consult with local Indian tribes and knowledgeable traditional practitioners regarding the cultural resource values present within the ACEC.</p> | <p>Cultural Resources</p> |

| | |
|---|--|
| <p>Objective: Ensure the general management and protection of paleontological resources consistent with the Paleontological Resources Preservation Act and the Omnibus Act.</p> <p>Management Action: Conduct a paleontological assessment to determine the paleontological potential of the area.</p> <p>Management Action: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed.</p> | <p>Paleontology</p> |
| <p>Objective: Maintain the existing characteristic landscape.</p> <p>Management Actions: Mitigate changes to characteristic landscape through the applicable VRM management class prescriptions.</p> | <p>Visual Resources</p> |
| <p>Objective: Manage the route of travel network to fulfill requirements of the original CDCA Plan and the NECO Plan Amendment.</p> <p>Management Action: Provide signage and maps to the public to inform them of route locations and regulations.</p> <p>Management Action: Increase ranger patrols and other BLM personnel visits to the area.</p> <p>Management Action: Monitor the creation of illegal routes and perform route restoration as needed.</p> | <p>Trails and Travel Management</p> |
| <p>Objective: Encourage compliance with ACEC management recommendations</p> <p>Management Action: Increase ranger and other BLM personnel visits to the area.</p> <p>Management Action: Provide signage and maps to the public to inform them of route locations and regulations.</p> | <p>Recreation</p> |
| <p>Objective: Non-energy ROW applications would be processed as long as they do not conflict with the purpose of the ACEC. Transmission line ROWs would be allowable within designated utility corridors.</p> <p>Management Action: New proposals will be analyzed on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals.</p> | <p>Rights of Way</p> |
| <p>Not available for renewable energy.</p> <p>Geothermal: Area is closed to geothermal leasing and development</p> | <p>Renewable Energy</p> |
| <p>Objective: Preserve geoglyphs and restrict surface disturbance around them.</p> <p>Allowable Uses: Limited additional mineral activity. Sand and gravel materials are present, but these are widely available throughout the broad alluvial fans emanating from the chocolate mountains.</p> <p>Management Action: Withdraw land from further mineral entry. Review any projects that would contribute to surface disturbance on a case by case basis.</p> | <p>Locatable Minerals Mineral Materials Non-Energy Leasables</p> |

Singer Geoglyphs



Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office



ACEC Layers

- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected

- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

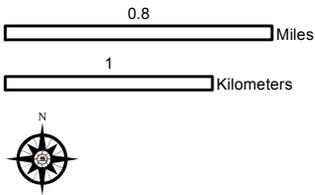
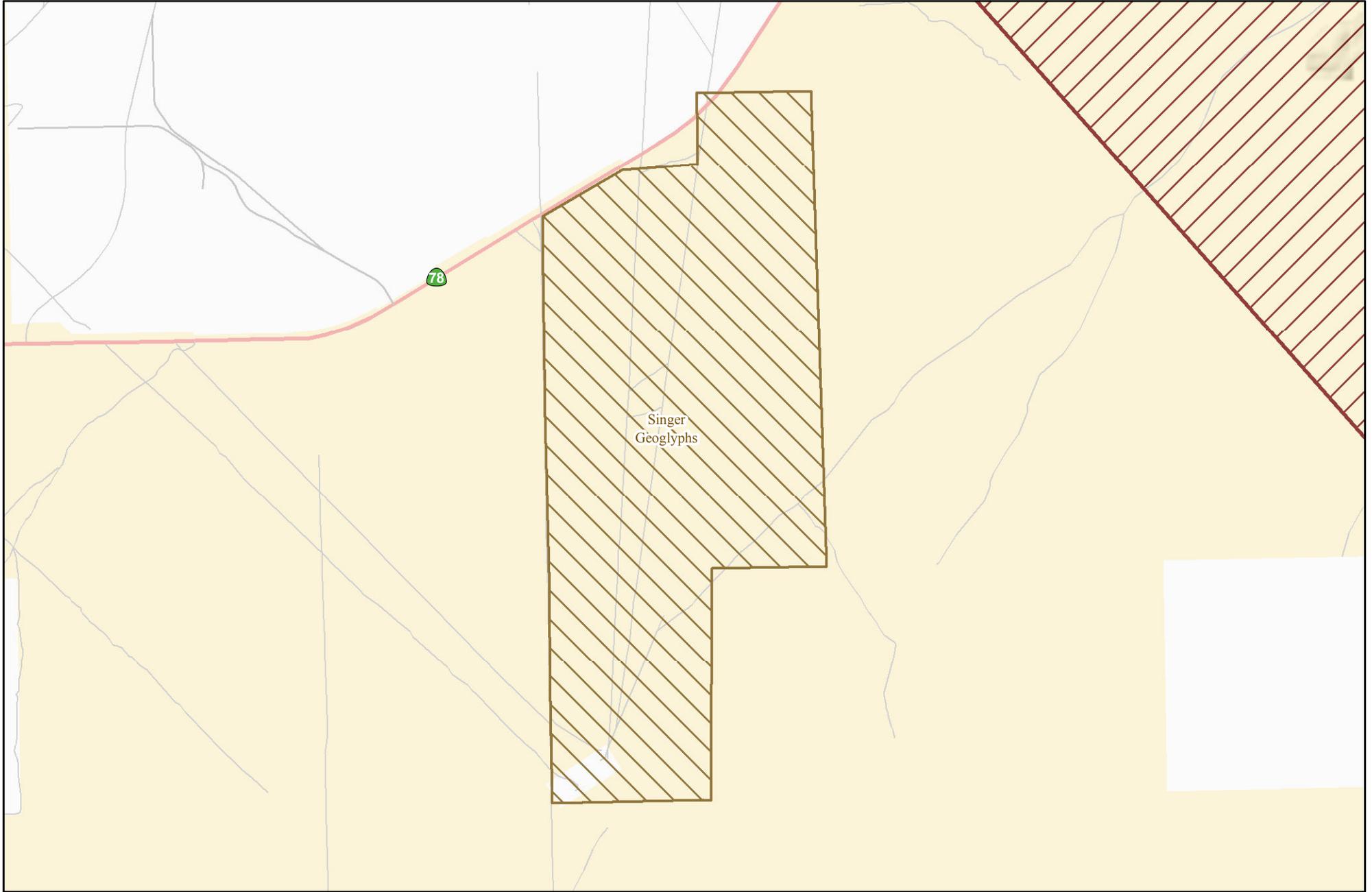
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Singer Geoglyphs



Alternative 1 ACECs
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ACEC Layers

- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected

- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

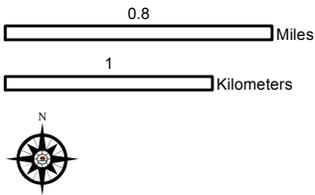
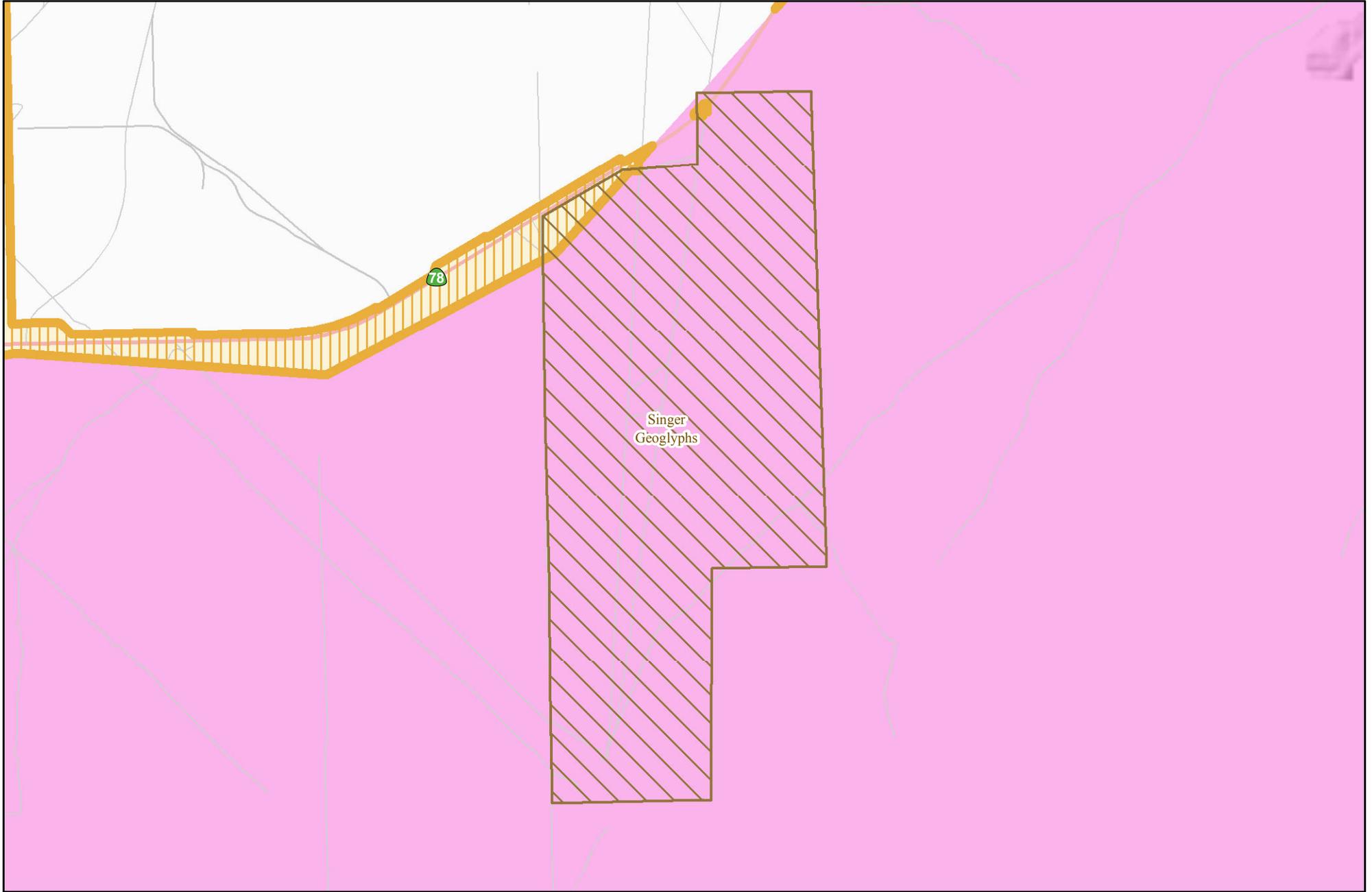
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- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Singer Geoglyphs



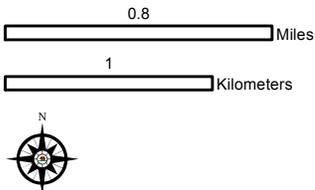
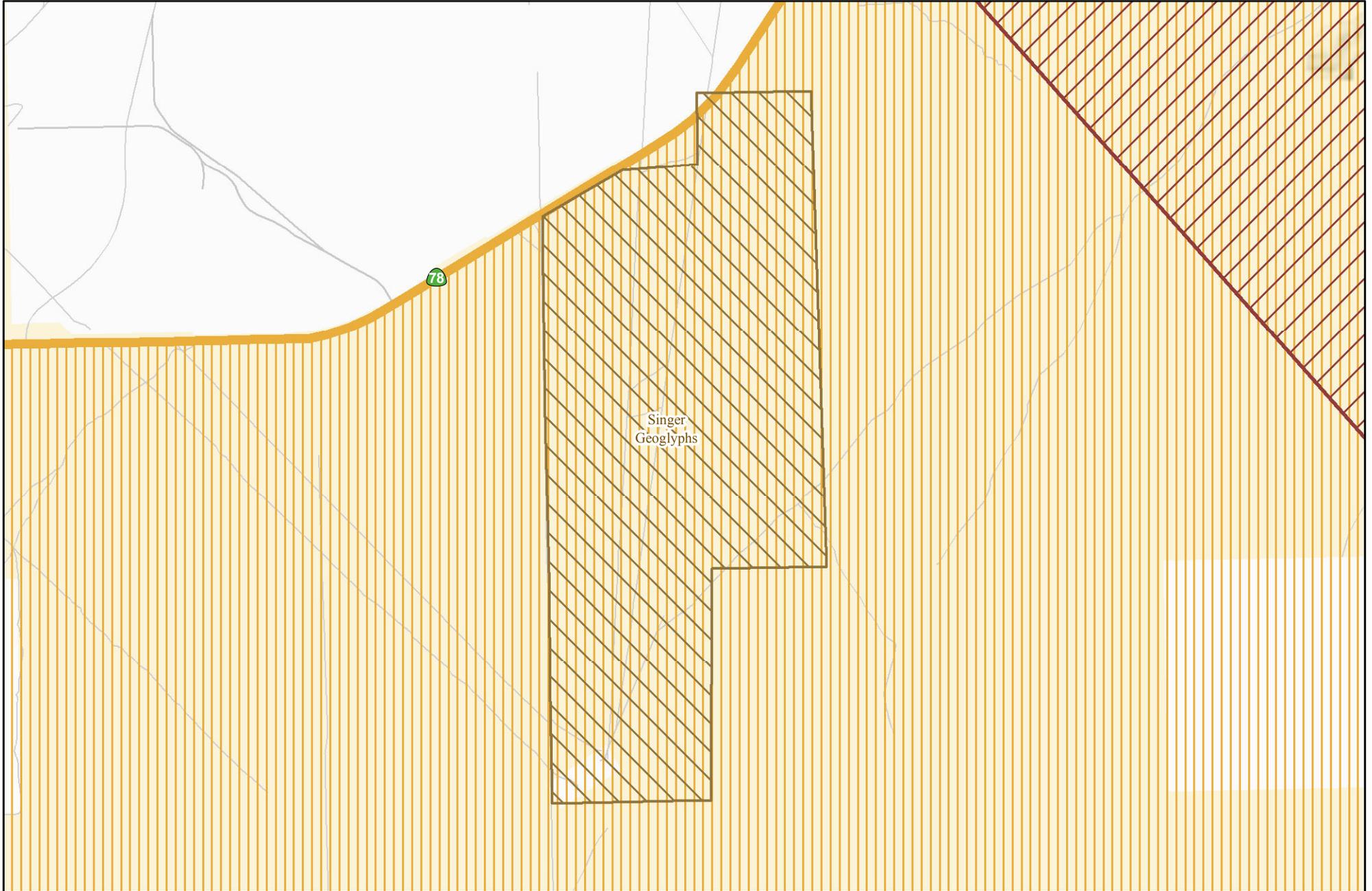
Alternative 2 ACECs
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|-------------------------------------|------------------|---------------------------|---------------|-------------|
| ACEC Layers | | Land Status | | GTLF |
| Existing ACEC | Cities | Bureau of Land Management | State | Interstate |
| Proposed ACEC | OHV Areas | State | Other Federal | US Hwy |
| Proposed NLCS | CDCA Boundary | Military | CA Hwy | County Hwy |
| Design Focus Areas | DRECP Boundary | Private | | |
| Legislatively and Legally Protected | BLM Field Office | | | |



Singer Geoglyphs



Alternative 3 ACECs
 Date Printed: 5/29/2013
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ACEC Layers

- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected

- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

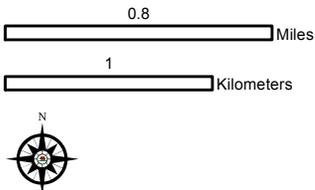
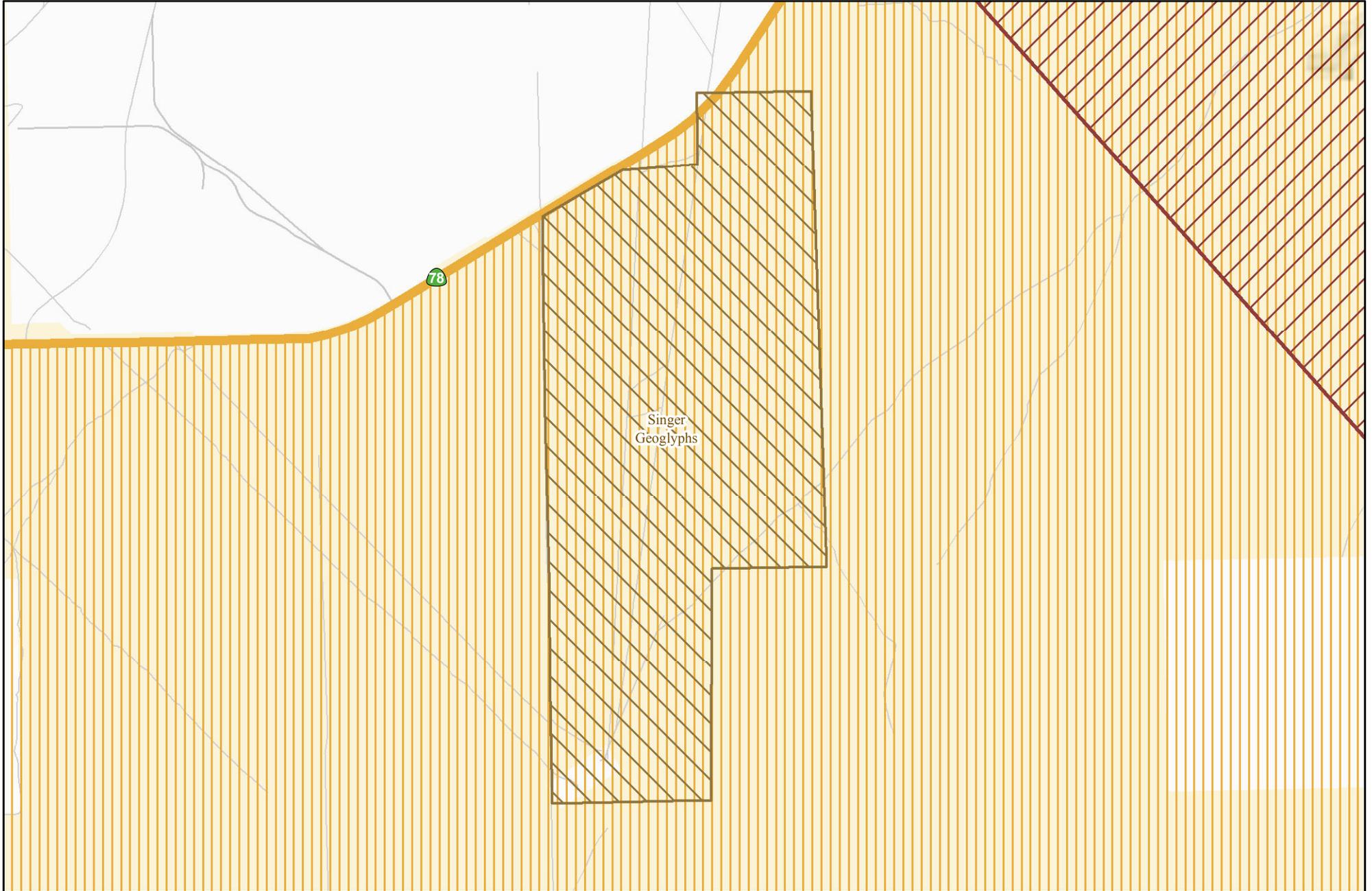
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Singer Geoglyphs



Alternative 3 ACECs
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ACEC Layers

- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected

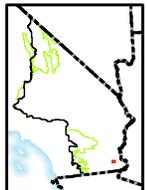
Land Status

- Bureau of Land Management
- State
- Other Federal
- Military
- Private

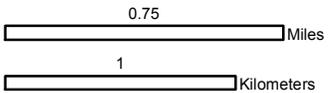
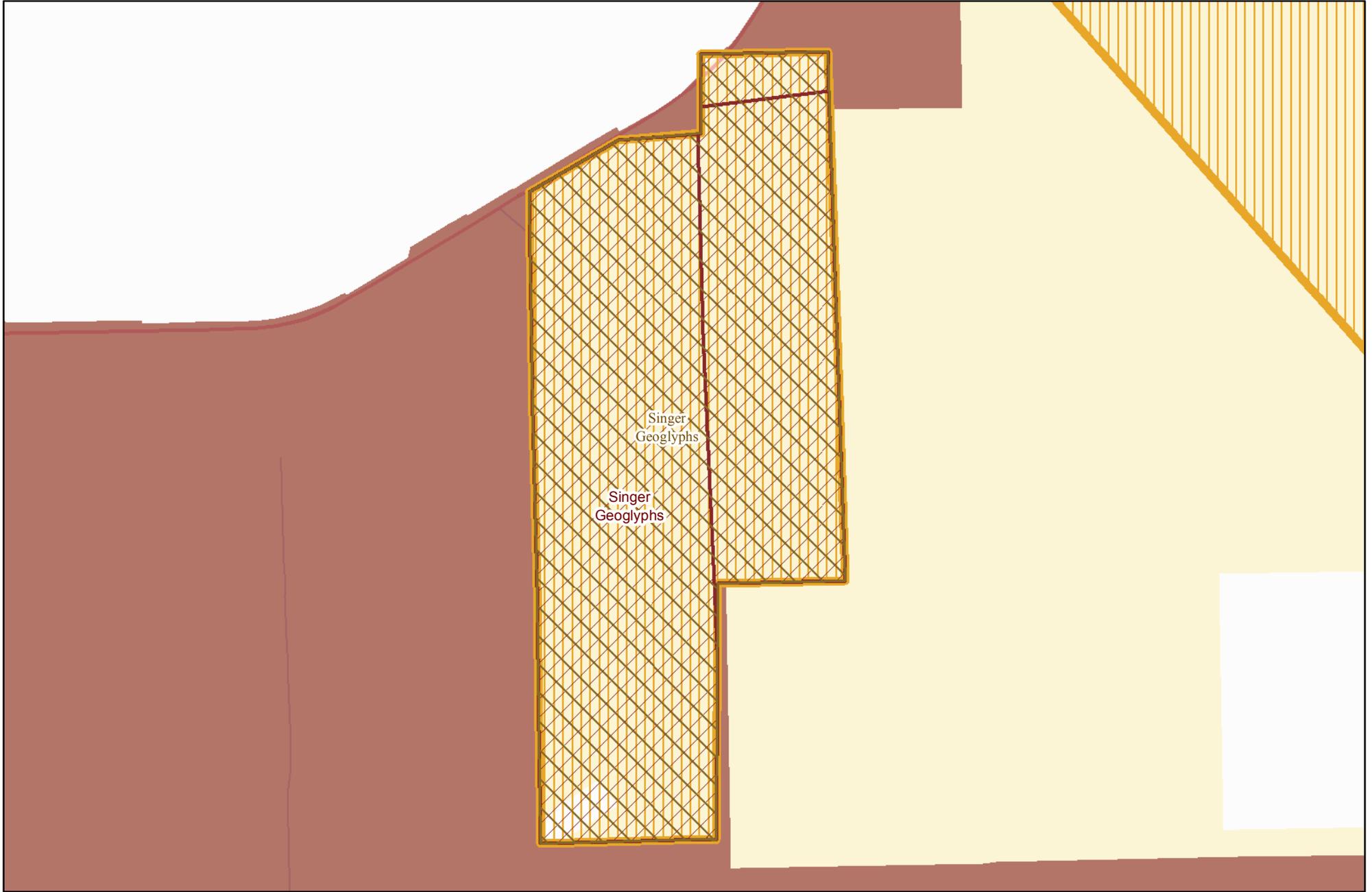
GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office



Singer Geoglyphs



Alternative 4 ACECs

Date Printed: 8/6/2014
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ACEC Layers

- Existing ACEC
- Proposed NLCS
- Proposed ACEC
- Proposed Wildlife Allocation
- Legislatively and Legally Protected

Design Focus Areas

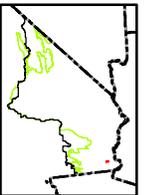
- Design Focus Areas
- Variance Lands
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

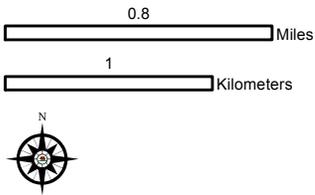
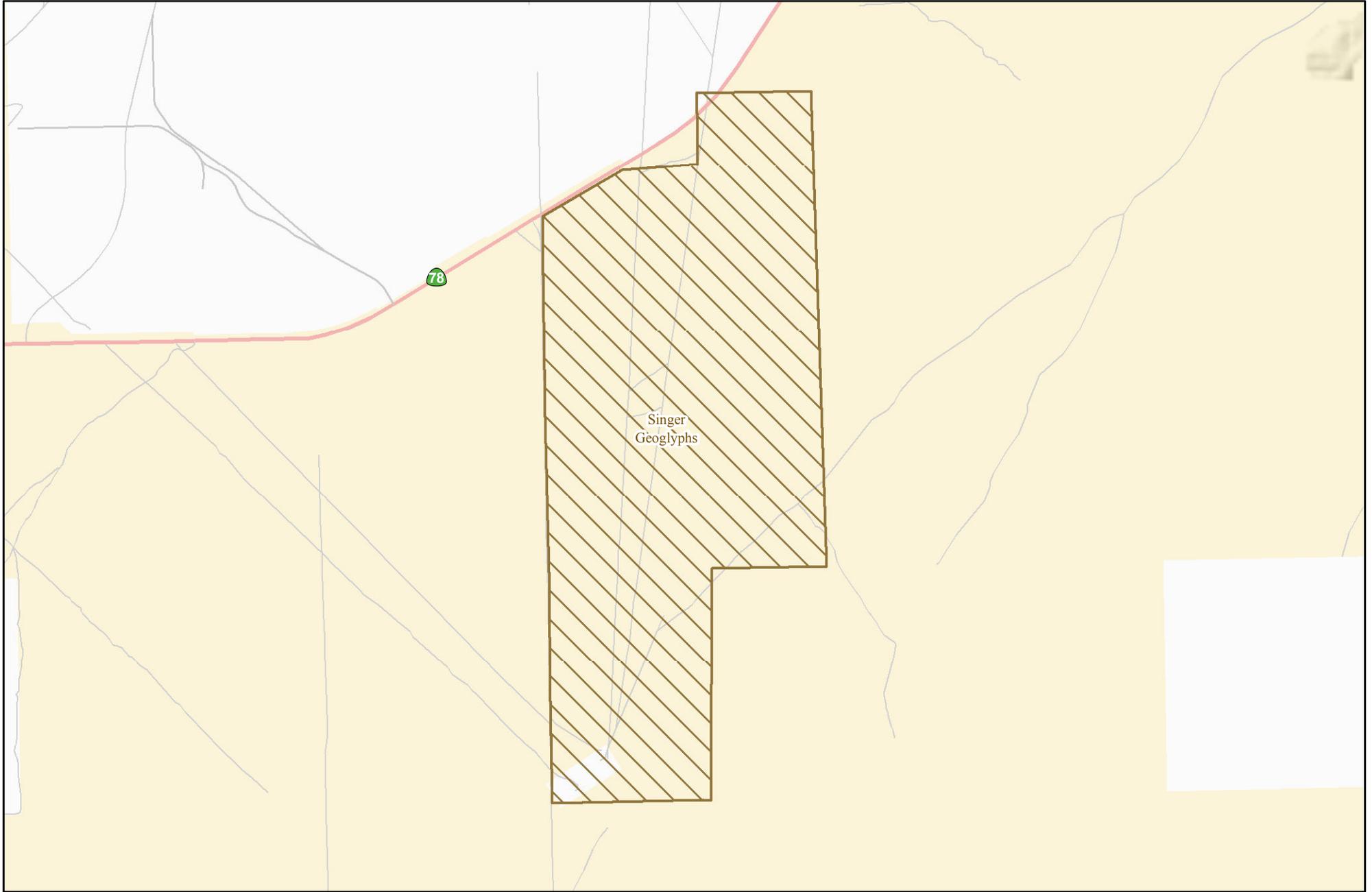
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Singer Geoglyphs



No Action ACECs
 Date Printed: 5/29/2013
 Prepared by BLM California State Office



ACEC Layers

- Existing ACEC
- OHV Areas
- Legislatively and Legally Protected

- Cities
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

