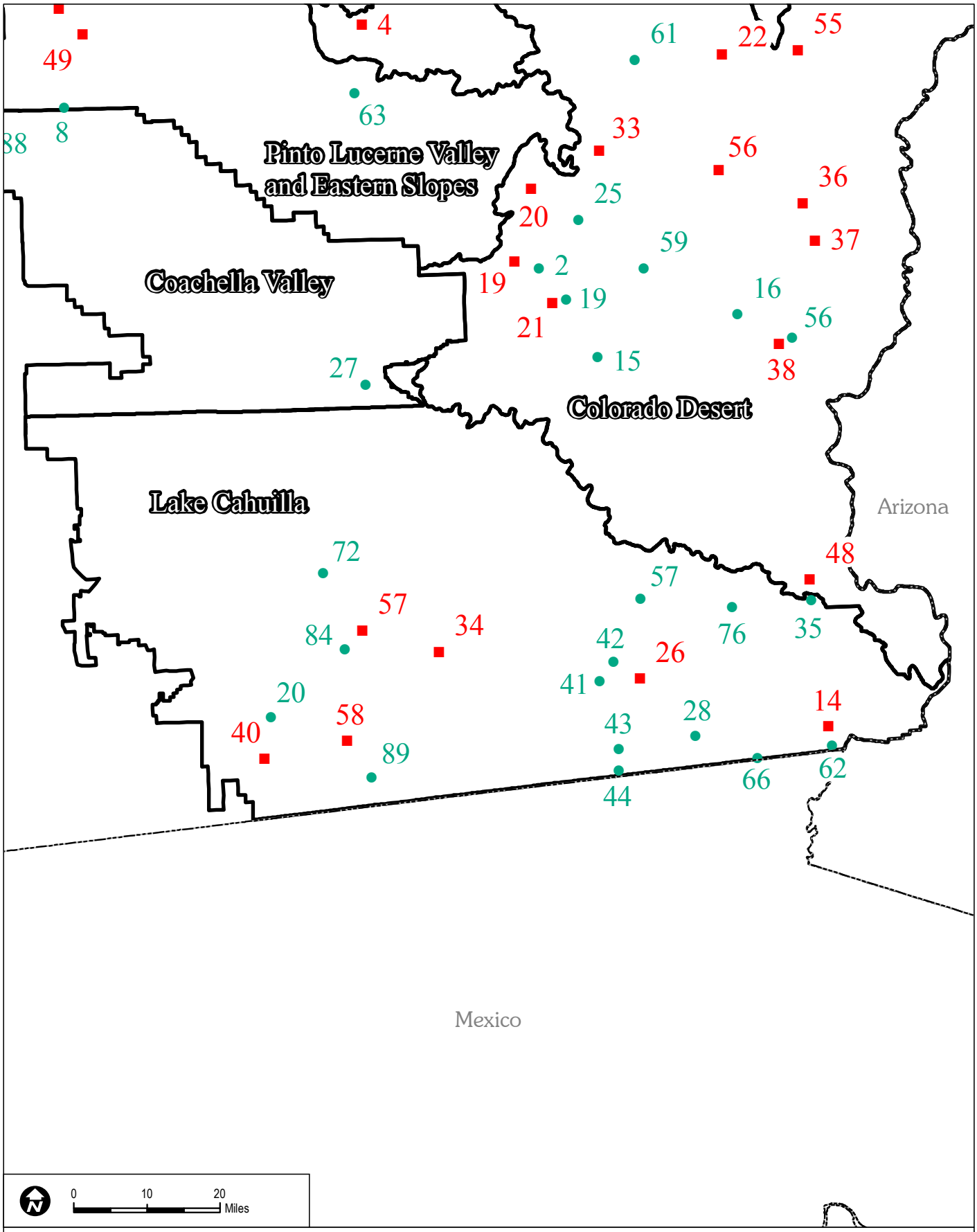


Existing Proposed DRECPSubareas

Lake Cahuilla

ACECs within the Lake Cahuilla Subarea

#	Proposed ACECs
14	Camp Pilot Knob (covered in Pilot Knob, see below)
26	East Mesa Expansion (covered in East Mesa, see below)
34	Lake Cahuilla Expansion (covered in Lake Cahuilla, see below)
40	Ocotillo
57	West Mesa Expansion (covered in West Mesa, see below)
58	Yuha Basin North Expansion (covered in Yuha Basin, see below)

#	Existing ACECs (within DRECP boundary)
20	Coyote Mountains Fossil Site
28	East Mesa
35	Indian Pass
41	Lake Cahuilla – A (covered in Lake Cahuilla)
42	Lake Cahuilla – B (covered in Lake Cahuilla)
43	Lake Cahuilla – C (covered in Lake Cahuilla)
44	Lake Cahuilla – D (covered in Lake Cahuilla)
57	North Algodones Dunes
62	Pilot Knob
66	Plank Road
72	San Sebastian Marsh/San Felipe Creek
76	Singer Geoglyphs (Gold Basin-Rand Intaglios)
84	West Mesa
89	Yuha Basin

Ocotillo
Description/Location: The unit is located in southwestern Imperial County, south of the Coyote Mountains Wilderness and east of the Jacumba Wilderness. It is adjacent to Anza Borrego State Park and the Ocotillo Express Wind Energy Facility right-of-way. **Nationally Significant Values:** Cultural: The conservation lands and ACEC contain important cultural resources ranging from archaic sites to resources related to the ancestors of living Kumeyaay, Quechan, and Cocopah Indians (i.e. intaglios, rock alignments, temporary camps, lithic scatters, cremation loci, pottery loci, trails and shrines). The area also contains important tribal/Native American values as it is encompassed by an ethnographic landscape that is a traditional cultural property according to many of the local Indian tribes. Prehistoric archaeological sites listed in (Spoke Wheel geoglyph) and eligible for listing in the National Register of Historic Places (NRHP) are located within this ACEC. Ecological: The Ocotillo conservation lands and ACEC provide a contiguous protected landscape connecting the Yuha Basin, Jacumba Wilderness, and Anza-Borrego Desert State Park. This landscape includes the spectacular boulder strewn escarpment of the Peninsular Range (In-Ko-Pah Mountains), through which Interstate 8 climbs from the Imperial Valley into the mountains. These lands contain habitat (i.e. desert washes and Mesquite hummocks) for the flat-tailed horned lizard and habitat for the Federally Endangered Peninsular Bighorn Sheep. This is an important corridor for Bighorn sheep moving between the State Park and the Jacumba Wilderness. Rare California Fan palms occur in this area. Scientific: Prehistoric archaeological sites with scientific information potential that make them eligible for listing in the NRHP are located within this ACEC. This ACEC contains an abundance of sensitive vertebrate and invertebrate paleontological resources from the Palm Springs Formation. **Special Designations/Management Plan/Date:** No previous special designation. **Relevance and Importance Criteria**: See Nationally Significant Values notes above. **Goals:** Protect and enhance the cultural, paleontological and ecological values that exist within the ACEC while providing for compatible uses. **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	0	0	NA
Preferred Alternative	12,400	14,600	0	1%
1	500	14,600	0	1%
2	14,600	14,600	0	1%
3	0	14,600	0	1%
4	500	14,600	0	1%

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

Alternatives –
All Action Alternatives: This ACEC is created.

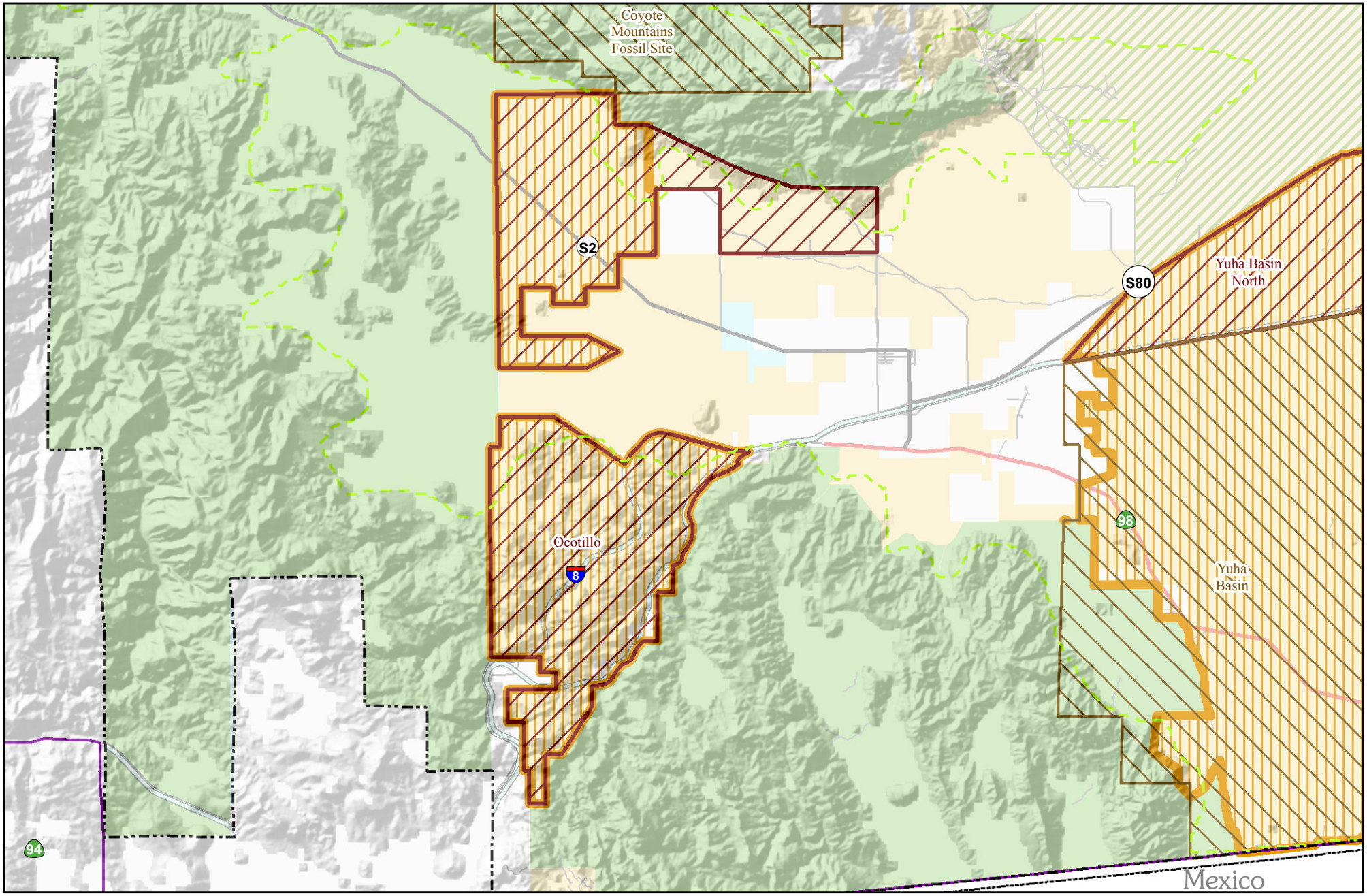
No Action – this conservation area would not exist, as it does not exist currently.

Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Minimize soil disturbance. Objective: Manage the ACEC with the standards for CO, H2S, visibility-reducing particles, and attainment for other criteria in accordance with the standards set by the Imperial County Air Pollution Control District. Management Actions: Coordinate with the Imperial County Air Pollution Control District.	Soil, water, air
Vegetation of the ACEC is composed of creosote bush scrub, succulent scrub and desert microphyll woodland communities. The major components of the creosote bush scrub community include creosote bush (*Larrea tridentata*), bursage (*Ambrosia dumosa*), brittlebush (*Encelia farinosa*), and cholla (*Opuntia spp*.). Major components of the succulent scrub community are cacti, including cholla, hedgehog cactus (*Echinocereus engelmanni var. engelmanni*), and barrel cactus (*Ferocactus acanthocerpa*). Objective: Protect and enhance robust populations of both rare and common native plants. Management Action: Manage vehicular traffic to stay on designated OHV routes.	Vegetation (incl. special status species)

Management Action: Place signs, kiosks and interpretive information at key recreational sites to better inform the public about the important plant resources. Management Action: Eradicate and control the spread of invasive and noxious weeds. Objective: Create a baseline of plant species to track environmental changes. Management Action: Inventory vascular and non-vascular plants, include soil crust species, in the ACEC.	
Special Status Species: Peninsular bighorn sheep, flat tailed horned lizard Objective: Maintain and enhance habitat that supports native wildlife. Management Action: Monitor wildlife for habitat and population change. Objective: Manage landscape to ensure wildlife passage and connectivity between wildlife populations.	Fish and Wildlife (incl. special status species)
See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Objective: Provide for highest level of protection of sensitive cultural resources. Management Action: Perform route restoration to erase illegal routes. Management Action: Monitor the creation of illegal routes and perform route restoration as needed. Management Action: Conduct regular ranger patrols and surveillance. Management Action: Nominate the significant sites or potential districts to the NRHP. Management Action: Consult with local Indian tribes and knowledgeable traditional practitioners regarding the cultural resource values present within the ACEC. Objective: Increase public awareness of the general cultural resources values within the ACEC. Management Action: Install informative signage and kiosks at various appropriate locations within the ACEC.	Cultural Resources
Objective: Ensure the general management and protection of paleontological resources. Management Action: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act and the Omnibus Act. Management Action: Develop plans and cooperative agreements to increase the inventory and scientific and educational use of paleontological resources. Management Action: Prohibit casual collection of invertebrate and vertebrate fossils without a permit. Management Action: Increase ranger patrols and BLM presence in the area. Management Action: Install informative signage and kiosks to ensure the public is aware of restrictions as well as provide general education about the unique and important resources.	Paleontology

Objective: Protect the characteristic landscape of the In-Ko-Pah Mountains and Boulder Canyon. Management Actions: Avoid impacts to characteristic landscape by following prescriptions of appropriate VRM class.	Visual Resources
Objective: Manage the route of travel network to fulfill requirements of the original CDCA Plan and the WECO Plan Amendment. Management Action: Install signage and provide maps to the public to inform them of route locations and regulations. Management Action: Increase ranger patrols and other BLM personnel visits to the area. Management Action: Monitor the creation of illegal routes and perform route restoration as needed.	Trails and Travel Management
Objective: Promote dispersed recreational activities in this area which would include (but is not limited to) sight-seeing, camping, hunting, target shooting, hiking, and 4x4 touring. Objective: Encourage compliance with ACEC management recommendations. Management Action: Increase ranger and other BLM personnel visits to the area. Management Action: Install signage and provide maps to the public to inform them of route locations and regulations.	Recreation
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.	Rights of Way
Objective: Retain federally owned lands and purchase inholdings Management Action: Obtain inholdings through purchase or exchange.	Land Tenure
Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria Geothermal: Area is closed to geothermal leasing and development	Renewable Energy
Objective: Review proposed mining activities to ensure that they provide adequate protection of public lands and their resources. Allowable Uses: Mining activities would be allowed with appropriate analysis, stipulations, and mitigation. Management Actions: Review any projects that would contribute to surface disturbance on a case by case basis. Ensure that any surface disturbance is accompanied by an archaeological inventory and Environmental Assessment.	Locatable Minerals, Mineral Materials, Non-Energy Leasables

Ocotillo



2.5 Miles

4 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

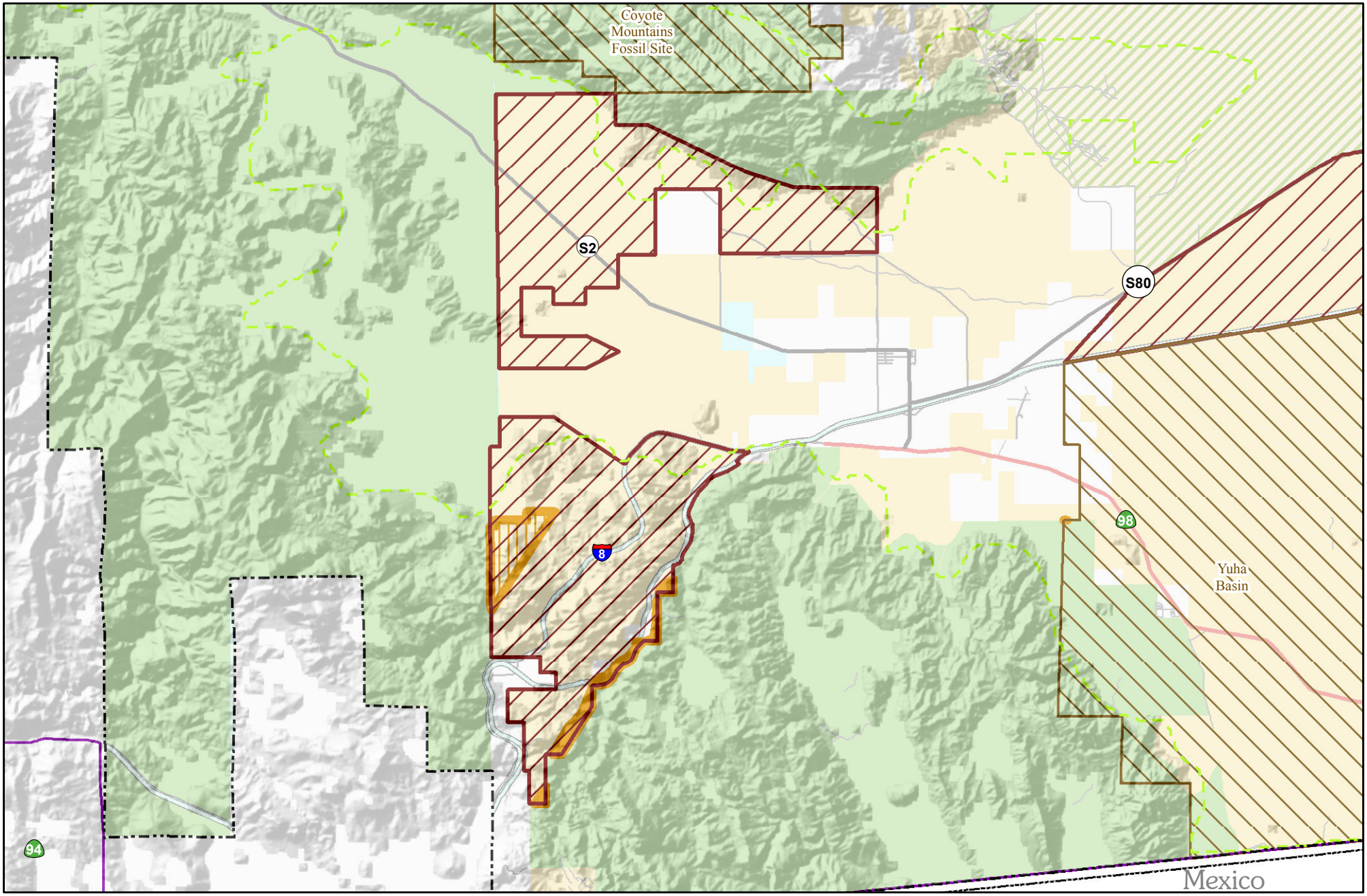
Prepared by BLM California State Office

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

Ocotillo



2.5 Miles

4 Kilometers

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Alternative 1 ACECs

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ACEC Layers
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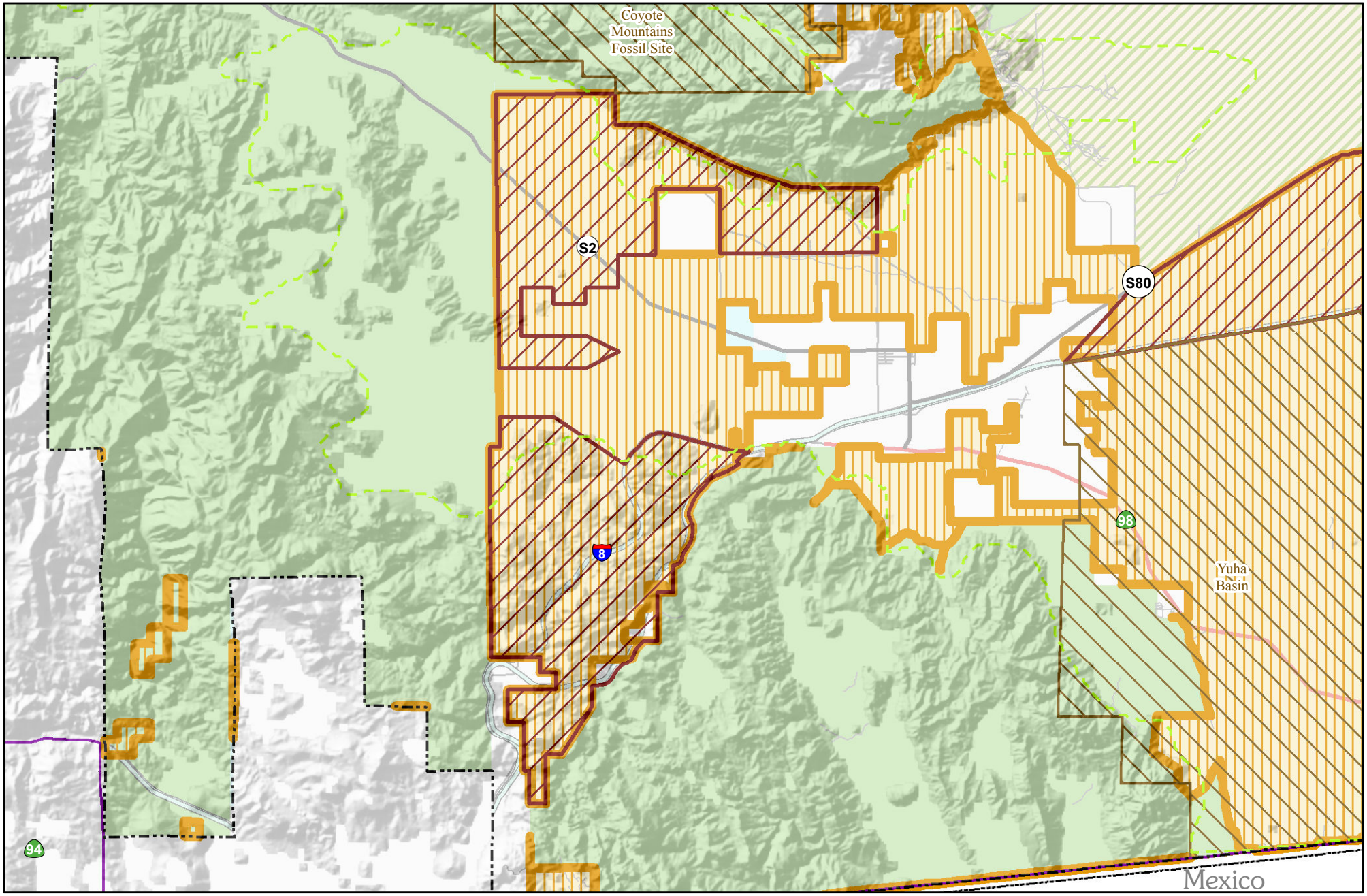
Ocotillo



2.5 Miles

4 Kilometers

N

Alternative 2 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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- Proposed ACEC
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Land Status

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GTLF

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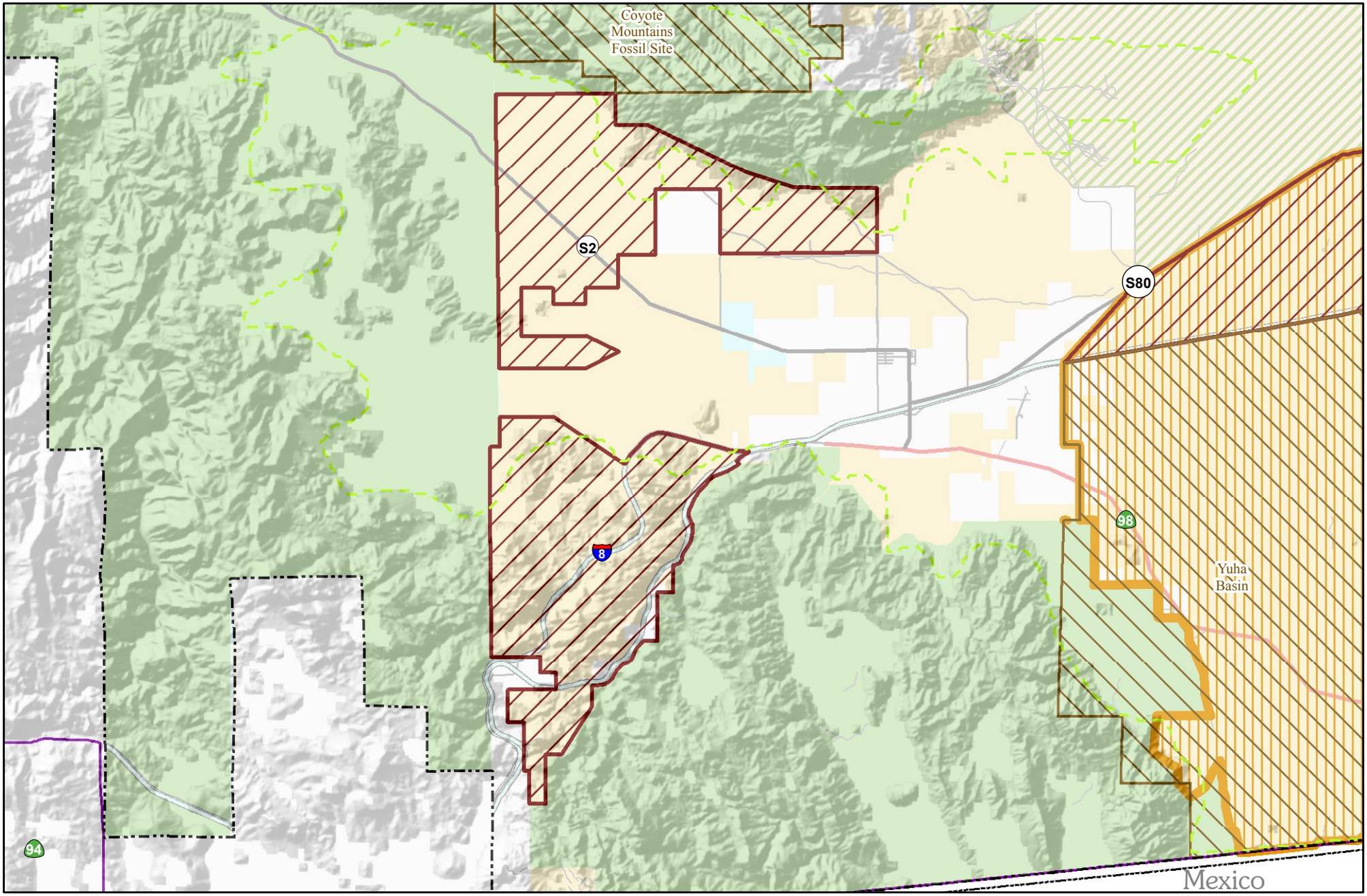
Ocotillo



2.5 Miles

4 Kilometers

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Alternative 3 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
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- Cities
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Land Status
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GTLF
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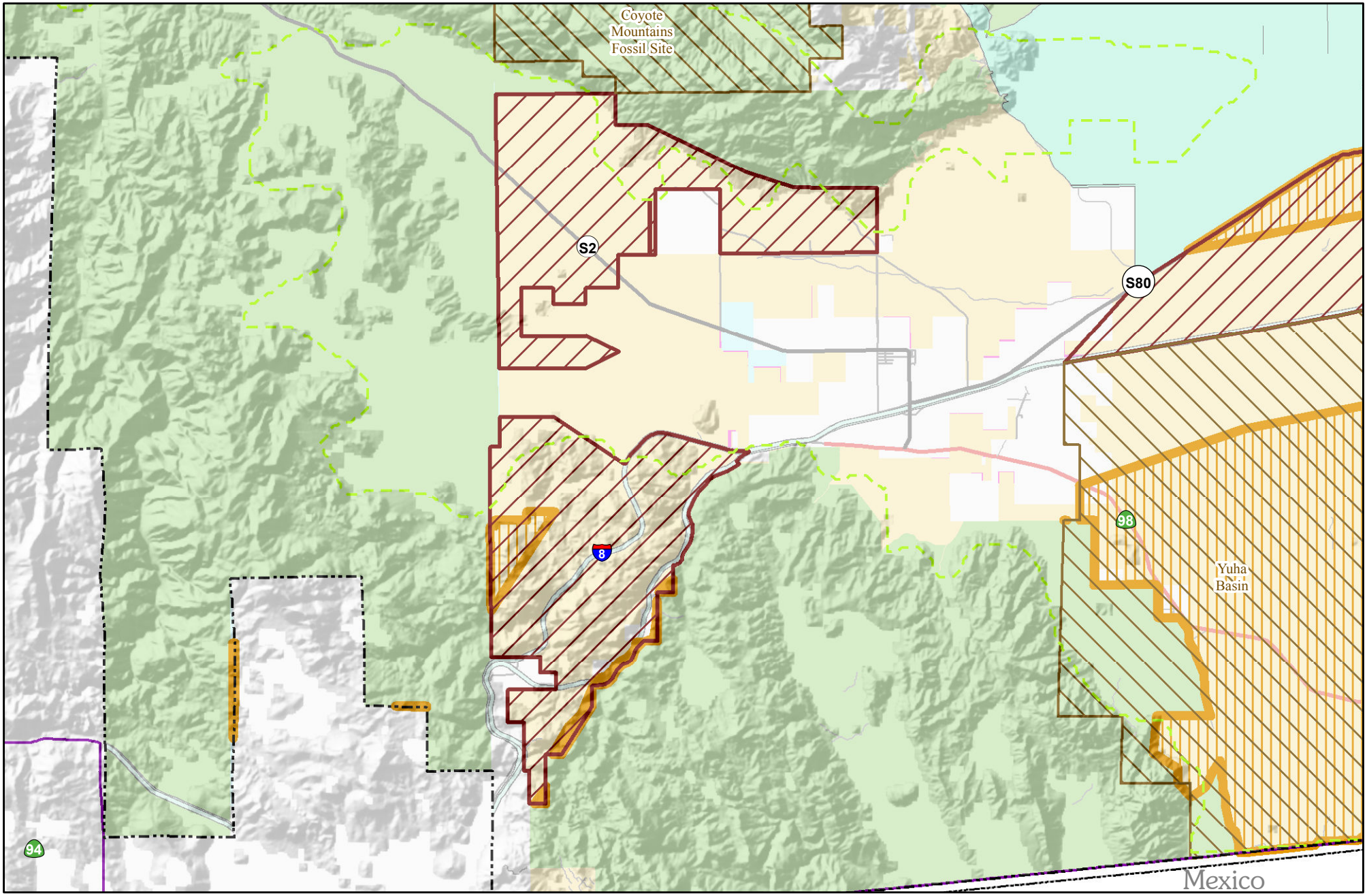
- CA Hwy
- County Hwy

Ocotillo



2.5 Miles

4 Kilometers

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Alternative 4 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

- Existing ACEC
- Proposed ACEC
- Proposed NLCS
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Land Status

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GTLF

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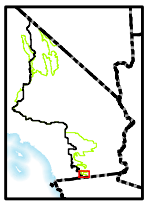


Coyote Mountains Fossil Site
Description/Location: This unit is located within southwest Imperial County and is almost entirely encompassed by the Coyote Mountains Wilderness area. **Nationally Significant Values:** Ecological: Although nationally important primarily for geologic and paleontological values, these lands provide habitat linkage between the Imperial Valley and the mountains in Anza-Borrego Desert State Park. Animals that traverse these lands include Peninsular bighorn sheep. Addition of these conservation lands complement and enhance the landscape and ecosystem protection provided by the adjacent Coyote Mountains Wilderness and State Wilderness. Cultural: Pit and groove rock art, unusual and very rare for this part of the Colorado Desert, is located within these conservation lands and ACEC. These types of prehistoric archaeological sites are eligible for listing in the National Register of Historic Places (NRHP). Scientific: The Coyote Mountains Fossil Site conservation lands and ACEC contain the largest collection of paleontological resources from the Imperial Group and includes a diverse fossil array. Ancient marine invertebrates such as clams, scallops, oysters, gastropods, sea urchins and sand dollars dominate the fossil types. Marine vertebrate fossils are rarer; however, sharks teeth, rays, sea cow, sea turtle, and portions of lower jaws of baleen whales have also been found within the unit. The San Diego Natural History Museum considers this site one of the most important and intact locations within the region and conducts ongoing scientific research regarding ancient shallow inland seas. The prehistoric archaeological rock art contains significant scientific information potential that makes it eligible for listing in the NRHP. **Special Designations/Management Plan/Date:** ACEC Plan No. 62, 01/08/1988 **Relevance and Importance Criteria**: Relevant biological, paleontological, geologic, and cultural resources. The magic gecko, a lizard species of scientific and management concern, is present within the ACEC. Stunning sandstone rock formations (Wind Caves) are also located here. These Wind Caves are important recreationally to the area as they are a popular hiking destination. **Goals:** Protect and enhance the significant paleontological and cultural resources. Protect and improve the habitat of the state listed species to comply with existing legislation and BLM policies. **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	5,900	0	NA
Preferred Alternative	0	5,900	0	1%
1	0	5,900	0	1%
2	5,900**	5,900	0	1%
3	0	5,900	0	1%
4	0	5,900	0	1%

*** Acreage values are for BLM managed lands**
**Includes overlap of existing designated Wilderness

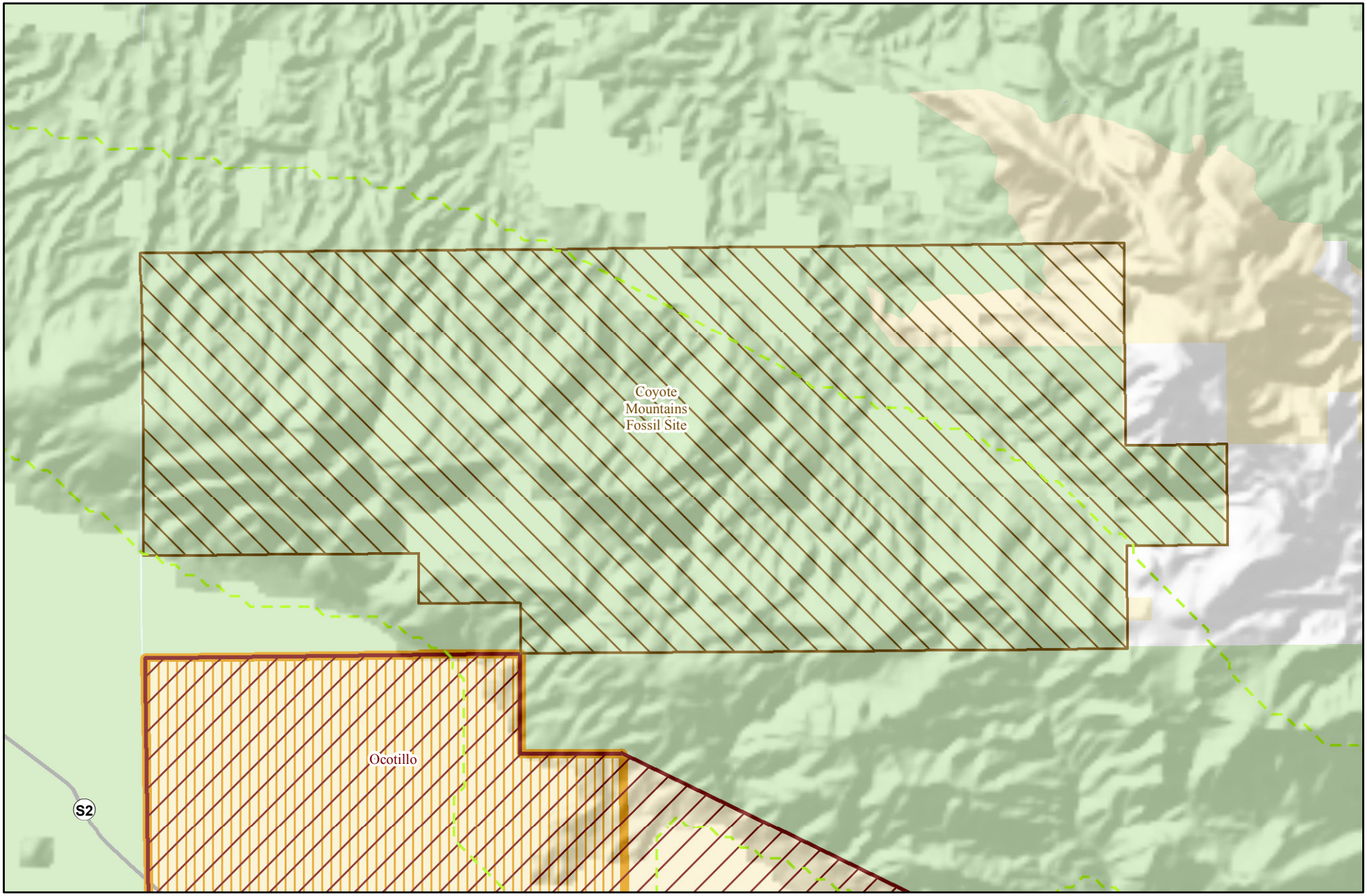
Alternatives –
All Alternatives – this existing ACEC would continue to be managed as it currently is.

Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Minimize soil disturbance. Preserve existing air quality. Management Actions: Adhere to rules and regulations of the Imperial County Air Pollution Control District.	Soil, water, air
Vegetation of the ACEC is composed of creosote bush scrub, succulent scrub and desert microphyll woodland communities. The major components of the creosote bush scrub community include creosote bush *(Larrea tridentata)*, bursage *(Ambrosia dumosa),* brittlebush *(Encelia farinosa)*, and cholla (Opuntia spp.). Major components of the succulent scrub community are cacti, including cholla, hedgehog cactus *(Echinocereus engelmanni var. engelmanni)*, and barrel cactus *(Ferocactus cylindraceus)*. The microphyll woodland community includes cat claw *(Acacia greggi)*, mesquite *(Prosopis julifulra)*, palo verde *(Cercidium floridum)*, and ironwood *(Olneya tesota)*. The latter species are quite rare in the ACEC. Special Status Species include the brown turbans and rock nettle. Objective: Create a baseline of plant species to track environmental changes. Management Action: Inventory vascular and non-vascular plants, include soil crust species, in the ACEC.	Vegetation (incl. special status species)

Special Status Species: Bighorn sheep, Magic gecko Objective: Maintain and enhance habitat that supports native wildlife. Management Action: Monitor wildlife for habitat and population change. Objective: Manage landscape to ensure wildlife passage and connectivity between wildlife populations.	Fish and Wildlife (incl. special status species)
See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Objective: Provide for the protection and enhancement of cultural resources. Management Action: Conduct regular ranger patrols and surveillance. Management Action: Nominate the significant rock art site or potential district to the NRHP. Management Action: Install informative signage and kiosk to ensure the public is aware of restrictions as well as provide general education about the unique and important resources. Management Action: Consult with local Indian tribes and knowledgeable traditional practitioners regarding the unusual rock art that is present within the ACEC. Objective: Fully document and record the significant rock art site as well as any new similar type sites that may exist within the ACEC. Management Action: Work with local archaeological organizations and institutions to develop partnerships to enable proactive survey and recordation. Management Action: Apply for grant or other funding to pay for contracting.	Cultural Resources
Objective: Ensure the general management and protection of paleontological resources. Management Action: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act and the Omnibus Act. Management Action: Develop plans and cooperative agreements to increase the inventory and scientific and educational use of paleontological resources. Management Action: Prohibit casual collection of invertebrate and vertebrate fossils without a permit. Management Action: Increase ranger patrols and BLM presence in the area. Management Action: Install informative signage and kiosks to ensure the public is aware of restrictions as well as provide general education about the unique and important resources.	Paleontology
Objective: Maintain the existing characteristic landscape. Management Actions: Mitigate changes to characteristic landscape through the applicable VRM management class prescriptions.	Visual Resources
Objective: Maintain existing closure of the area to vehicular travel. Allowable Uses: This area is closed to vehicular travel. Management Actions: Increase ranger patrols and BLM presence in the area.	Trails and Travel Management

Objective: Promote non-motorized recreation. The most prominent recreational activities in the area include hiking, backpacking, nature study, sightseeing, and desert exploration. Allowable Uses: Not limited to; hiking, hunting, target shooting, etc. Objective: Promote and enhance public understanding regarding the prohibition against collecting invertebrate and vertebrate fossils without a permit. Management Actions: Install informative signage and kiosks to ensure the public is aware of restrictions as well as provide general education about the unique and important resources. Management Action: Increase ranger patrols and BLM presence in the area.	Recreation
The majority of the ACEC boundaries are overlapped by the Coyote Mountain Wilderness area. ROWs are not allowed within the Wilderness area. Outside of wilderness, 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.	Rights of Way
Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria Geothermal: Area is closed to geothermal leasing and development	Renewable Energy
60 mining claims present within the ACEC when designated in 1987. Gold, copper, manganese, and nickel are known to exist in the area. There is a high potential for saleable mineral development. Portions of ACEC currently within the Coyote Mountains Wilderness are however excluded from mineral entry; locatable and saleable mineral development would not be permitted on lands within the wilderness. Objective: Ensure paleontological and wildlife resources are not impacted during the process of mineral exploration. Action: Withdraw ACEC from further mineral entry. Consider projects on a case-by-case basis through normal environmental assessment process or through wilderness IMP procedures and permit those which are consistent with the management of the Coyote Mountains wildlife Habitat Area Management Plan. Continuous restriction of mineral development and all mechanized operations on lands within the Coyote Mountain Wilderness.	Locatable Minerals Mineral Materials Non-Energy Leasables

Coyote Mountains Fossil Site



0.95 Miles

1 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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- BLM Field Office

Land Status

- Bureau of Land Management
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GTLF

- Interstate
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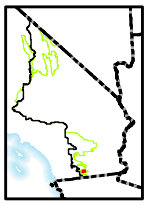
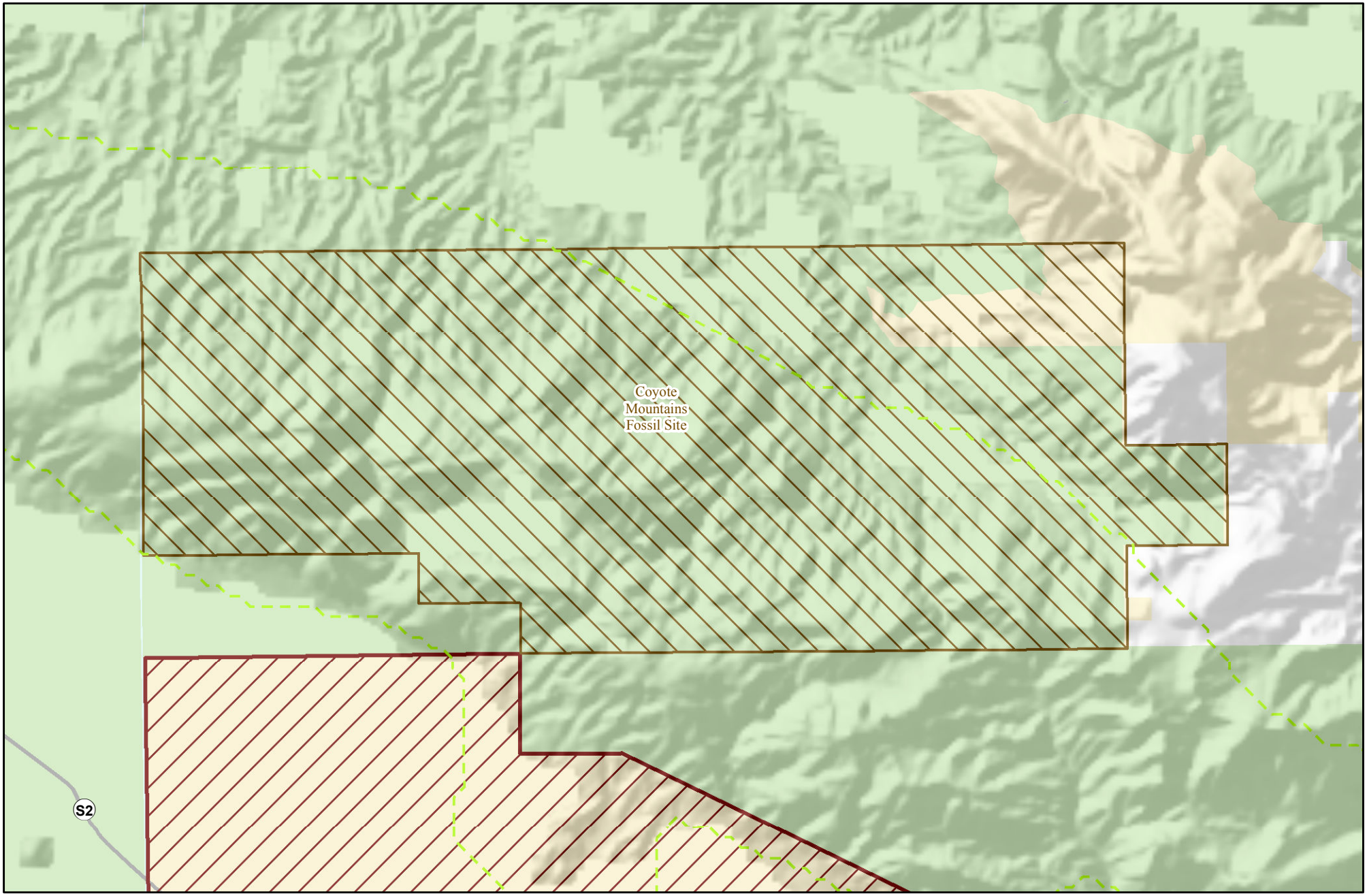


Coyote Mountains Fossil Site



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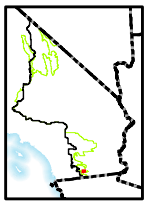
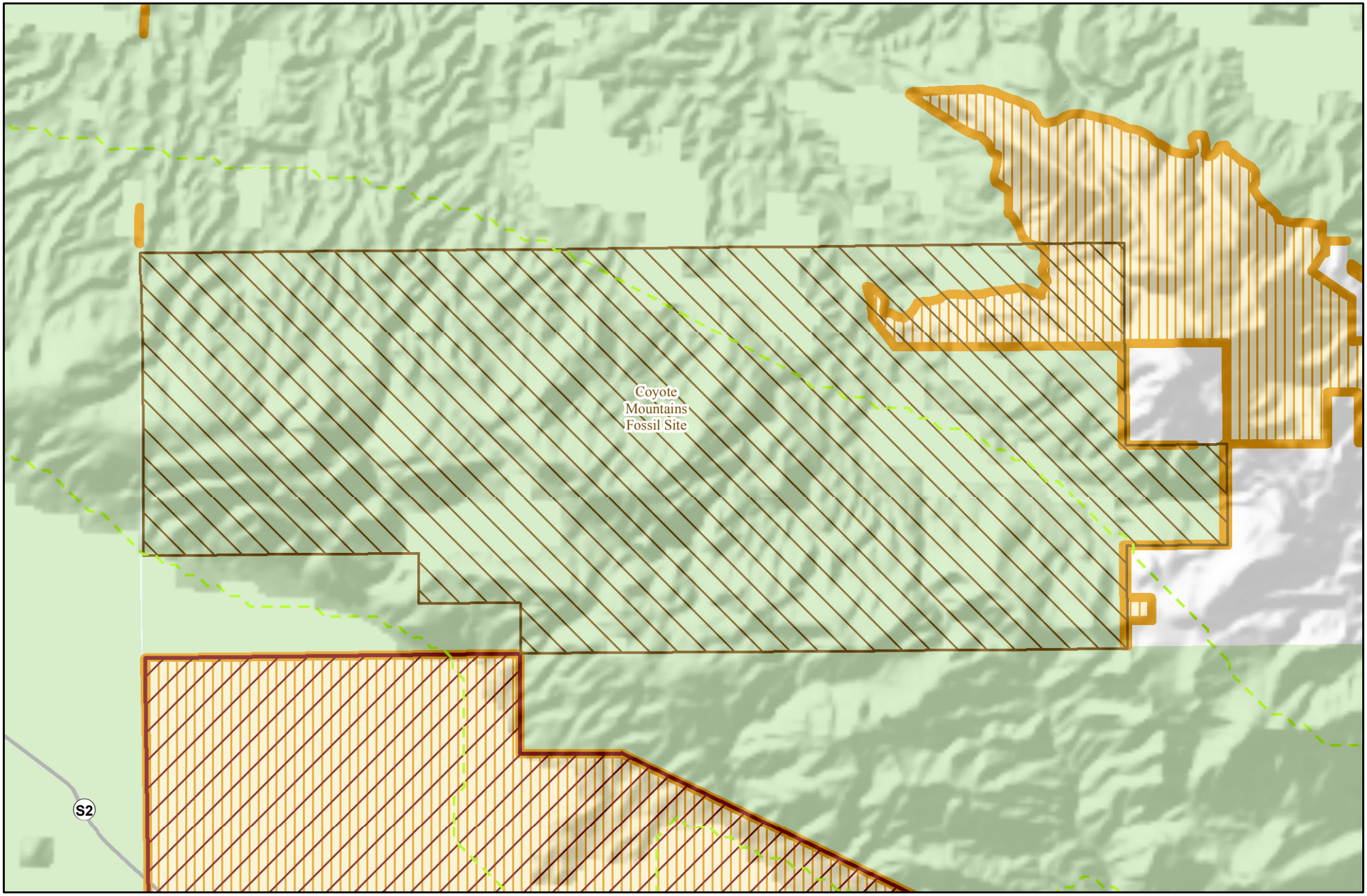


Coyote Mountains Fossil Site



0.95 Miles

1 Kilometers

N

Alternative 2 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

- Existing ACEC
- Proposed ACEC
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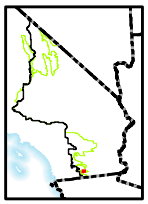
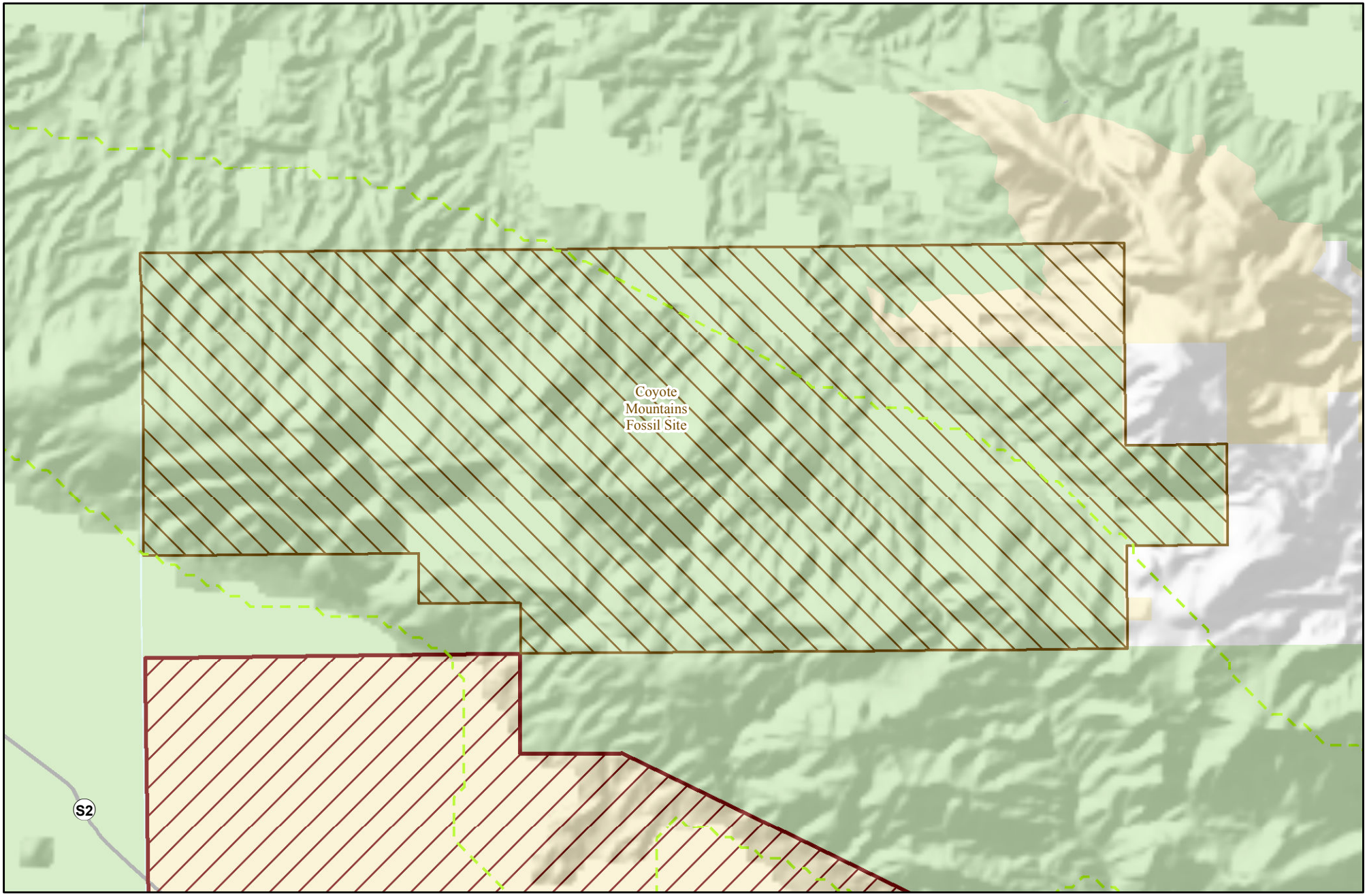


Coyote Mountains Fossil Site



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1 Kilometers

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Alternative 3 ACECs

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ACEC Layers

- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
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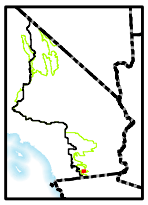

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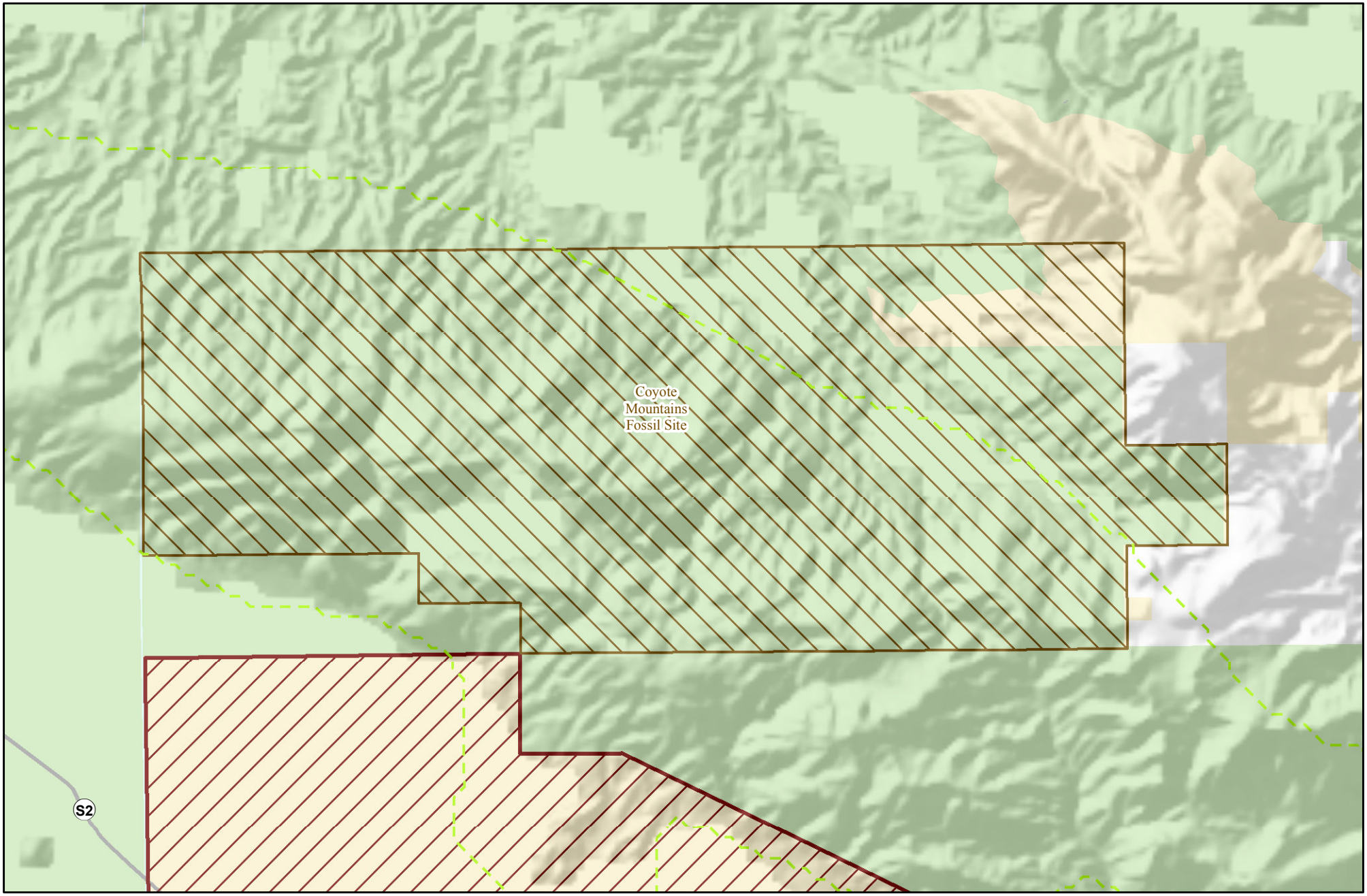

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1 Kilometers

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Alternative 4 ACECs

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ACEC Layers

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- Proposed ACEC
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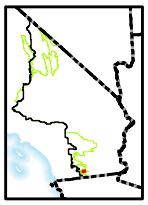
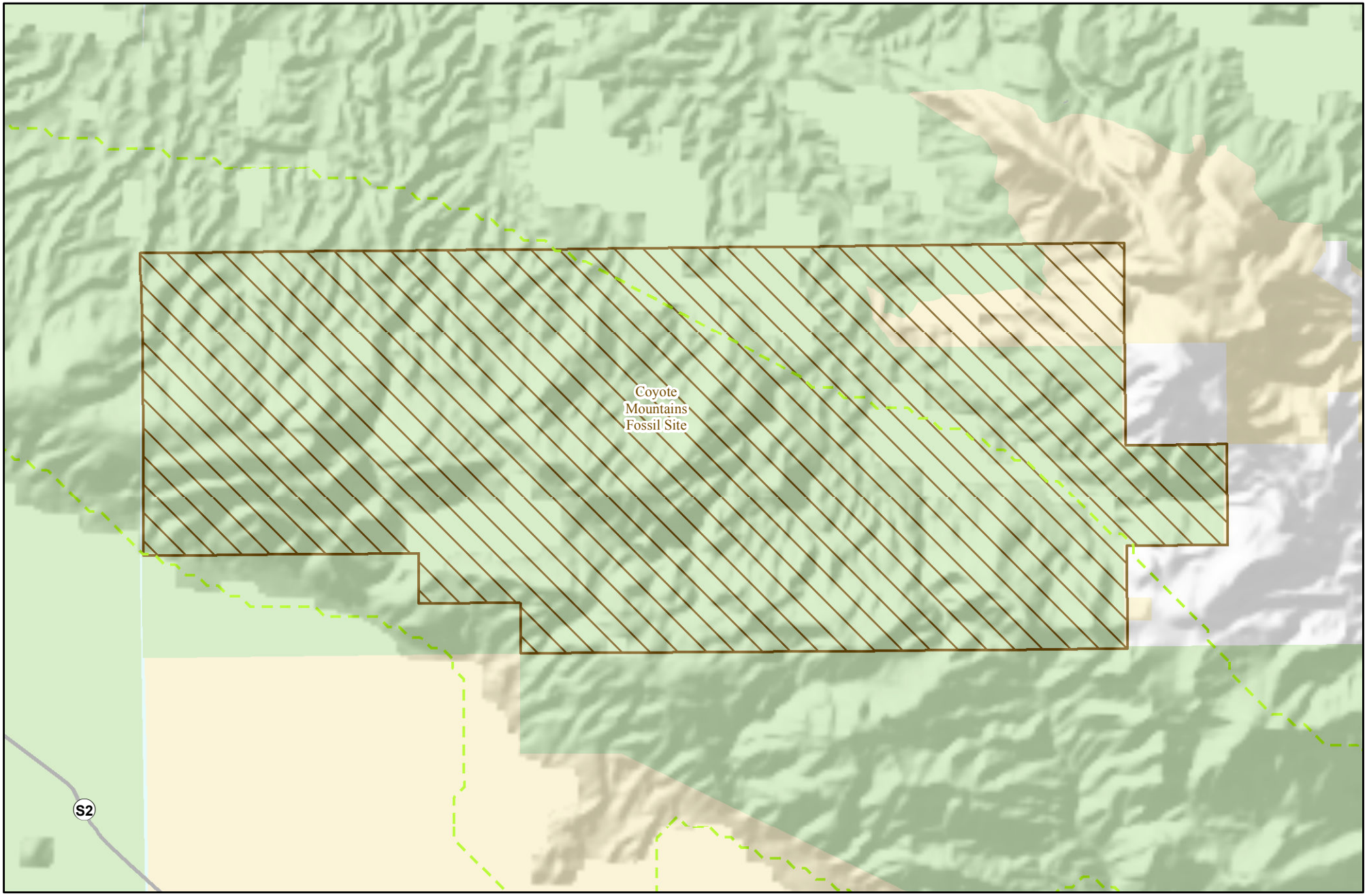


Coyote Mountains Fossil Site



0.95 Miles

1 Kilometers

N

No Action ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

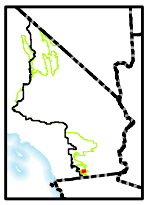
- Existing ACEC
- OHV Areas
- Legislatively and Legally Protected
- Cities
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



East Mesa

Description/Location: This proposal includes National Conservation Lands and an expansion of the existing East Mesa ACEC. These lands are located in southeastern Imperial County, about 16 miles southeast of El Centro, California and west of the Imperial Sand Dunes Recreation Area.

Nationally Significant Values:
Ecological: The conservation lands and expanded ACEC contain some of the largest contiguous range for the flat-tailed horned lizards (a federally listed Sensitive Species) and includes multiple sections of high population densities.

Cultural: These conservation lands and expanded ACEC contain significant prehistoric archaeological sites including habitation, possible cremations, trails systems/segments, habitation sites, and areas of traditional and sacred values to Native American tribes. These sites are eligible for listing in the National Register of Historic Places (NRHP).

Special Designations/Management Plan/Date: East Mesa ACEC Plan 70/1982

Relevance and Importance Criteria: Relevant biological and cultural resources. In addition to significant cultural resources and the flat-tail horned lizard presence, other relevant wildlife, recreational, and geothermal resources exist in this ACEC. East Mesa provides habitat for a variety of bird species on the Audubon Society Blue List. Special status vegetation including *Ammobroma sonorae* (Sand food) and *Croton wigginsii* (Wiggins' croton) are found in the area. Significant geothermal resources and existing leases are located in the East Mesa.

Goals: To protect the unique wildlife and cultural values within those portions of the East Mesa.

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	42,100	0	1%
Preferred Alternative	80,400	94,100	0	1%
1	0	103,900	0	1%
2	94,300	94,300	0	1%
3	94,900	103,900	0	1%
4	74,700	94,100	0	1%

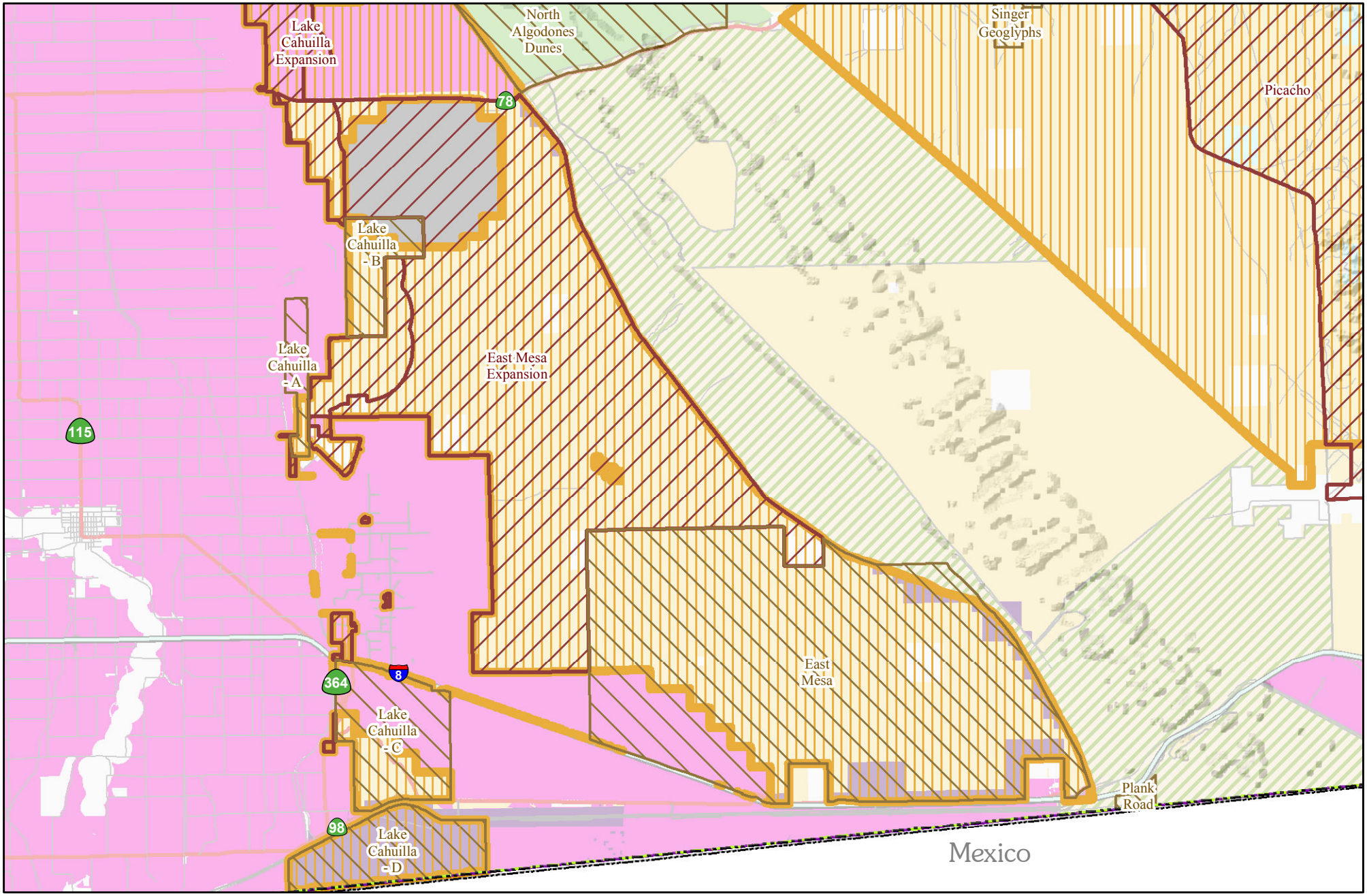
*** Acreage values are for BLM managed lands**

Alternatives: All Action Alternatives: The area would be identified as an ACEC is expanded (see table above and maps to follow for differences). No Action: The original area would be managed as it currently is.	
Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Minimize soil disturbance. Preserve existing air quality. Management Actions: Coordinate with the Imperial County Air Pollution Control Board.	Soil, water, air
The vegetation type in this ACEC is Creosote Bush Scrub. Sensitive plant species including silver-leaved sunflower, sand food, and *Wiggins' croton* are found within this ACEC. Objective: Maintain robust populations of native plants. Management Action: Manage vehicular traffic to stay on designated OHV routes. This will protect the habitat of these species. Objective: Create a baseline of plant species to track environmental changes. Management Action: Inventory vascular and non-vascular plants, include soil crust species, in the ACEC.	Vegetation (incl. special status species)
The ACEC is utilized by several significant species in addition to the flat-tailed horned lizard. These include the sharp-shinned hawk (*Accipiter striatus*), Cooper's hawk (*A. cooperi*), Swainson's hawk (*Buteo swainsoni*), ferruginous hawk (*B. haliaetus*), American kestrel (*Falco sparverius*), white winged dove (*Zenaida asiatica*), mourning dove (*Z. macroura*), ground dove (*Columbina passerina*), burrowing owl (*Speotyto cunicularia*), loggerhead shrike (*Lanius ludovicianus*), yellow warbler (*Dendroica petechia*), coyote (*Canis latrans*), kit fox (*Vulpes macrotis*), blacktail jackrabbit (*Lepus californicus*), desert cottontail (*Sylvilagus auduboni*), and mule deer (*Odocoileus hemionus*). Also included within the ACEC boundary is part of the formerly proposed Critical Habitat of the Andrew's dune scarab beetle which is a candidate species for Federal listing by the US Fish and Wildlife Service. Objective: Protect and monitor habitat that supports the Flat-tailed Horned Lizard (special status species). Management Action: Determine the effect of pesticide spraying on the flat-tailed horned lizard and its prey, the harvester ant. Management Action: Participate actively in the Flat Tail Interagency Coordinating Committee to coordinate the management of the flat-tailed	Fish and Wildlife (incl. special status species)

horned lizard and its habitat. Management Action: Monitor wildlife for habitat and population change.	
See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Objective: Protect and monitor cultural resources within the ACEC. Management Action: Monitor the creation of illegal routes and perform route restoration as needed. Management Action: Perform route restoration to erase illegal routes. 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: Install informative signage and a kiosk to ensure the public is aware of restrictions. Management Action: Consult with local Indian tribes and knowledgeable traditional practitioners regarding the cultural resource values present within the ACEC. Management Action: Survey, identify and record new cultural resources within the ACEC boundaries.	Cultural Resources
Objective: Maintain the existing characteristic landscape. Management Actions: Mitigate changes to characteristic landscape through the applicable VRM management class prescriptions.	Visual Resources
Objective: Manage the route of travel network to fulfill requirements of the original CDCA Plan and the WECO Plan Amendment. Management Action: Provide signage and maps to the public to inform them of route locations and regulations. Management Action: Increase ranger patrols and other BLM personnel visits to the area. Management Action: Monitor the creation of illegal routes and perform route restoration as needed.	Trails and Travel Management
Objective: Provide recreational opportunities that are compatible with the protection of the wildlife, vegetation, and cultural resources. Management Action: Limit OHV, prohibit competitive events Management Action: Increase ranger patrols and other BLM personnel visits to the area. Management Action: Continue to allow and monitor recreational activities (Hunting, target shooting, camping etc.) Management Action: Install informative signage and a kiosk to ensure the public is aware of sensitive wildlife and cultural resource values.	Recreation

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.	Rights of Way
Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria. No Solar or Wind Energy projects within the ACEC. Objective: Allow geothermal leasing in portions of the ACEC while mitigating impact on other important values. Management Action: Permit geothermal leasing as outlined in the Final Environmental Assessment Record East Mesa Non-competitive Leases for the Geothermal Exploration and Development, as amended by this planning document. Management Action: Open to geothermal leasing with a NSO stipulation.	Renewable Energy
Objective: Prevent impacts to sensitive wildlife values within the ACEC which occur as a result of surface or habitat disturbing activities. Minimize potential impacts resulting from geothermal energy development within the ACEC. Minimize potential impacts form hydrocarbon energy development within the ACEC. Allowable Uses: Geothermal leasing and geothermal energy development. Oil and gas exploration and development, with an NSO stipulation. Action: Prohibit extraction of mineral material. Make site-specific recommendation for mitigation of oil and gas development when specific Plans of Operations, Development, Utilization, and Abandonment are received.	Locatable Minerals Mineral Materials Non-Energy Leasables

East Mesa



4.5 Miles

6.5 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

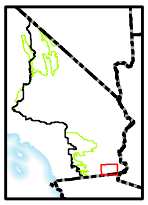
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

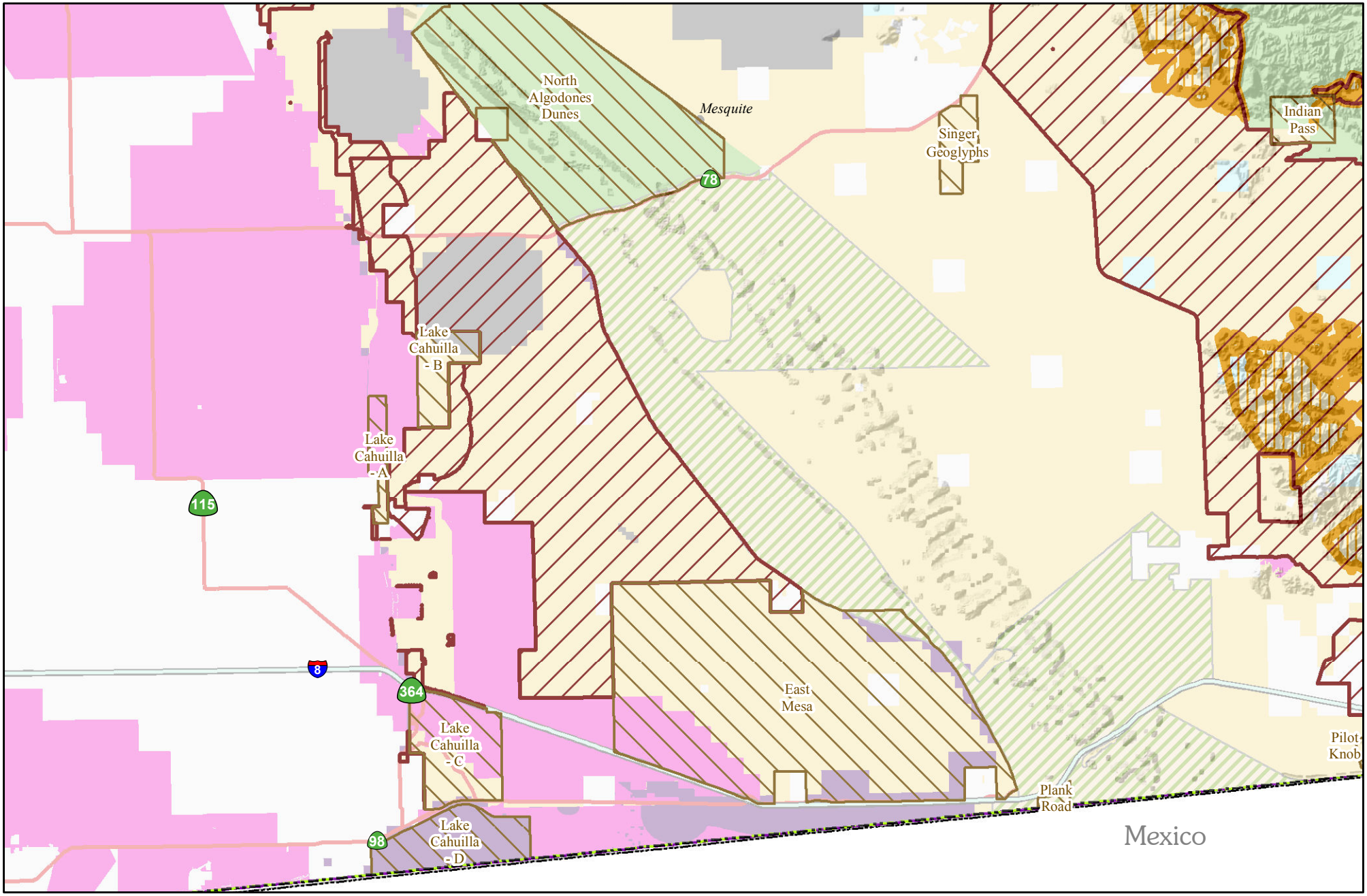
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



East Mesa



6 Miles

8 Kilometers

N

Alternative 1 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
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Land Status

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GTLF

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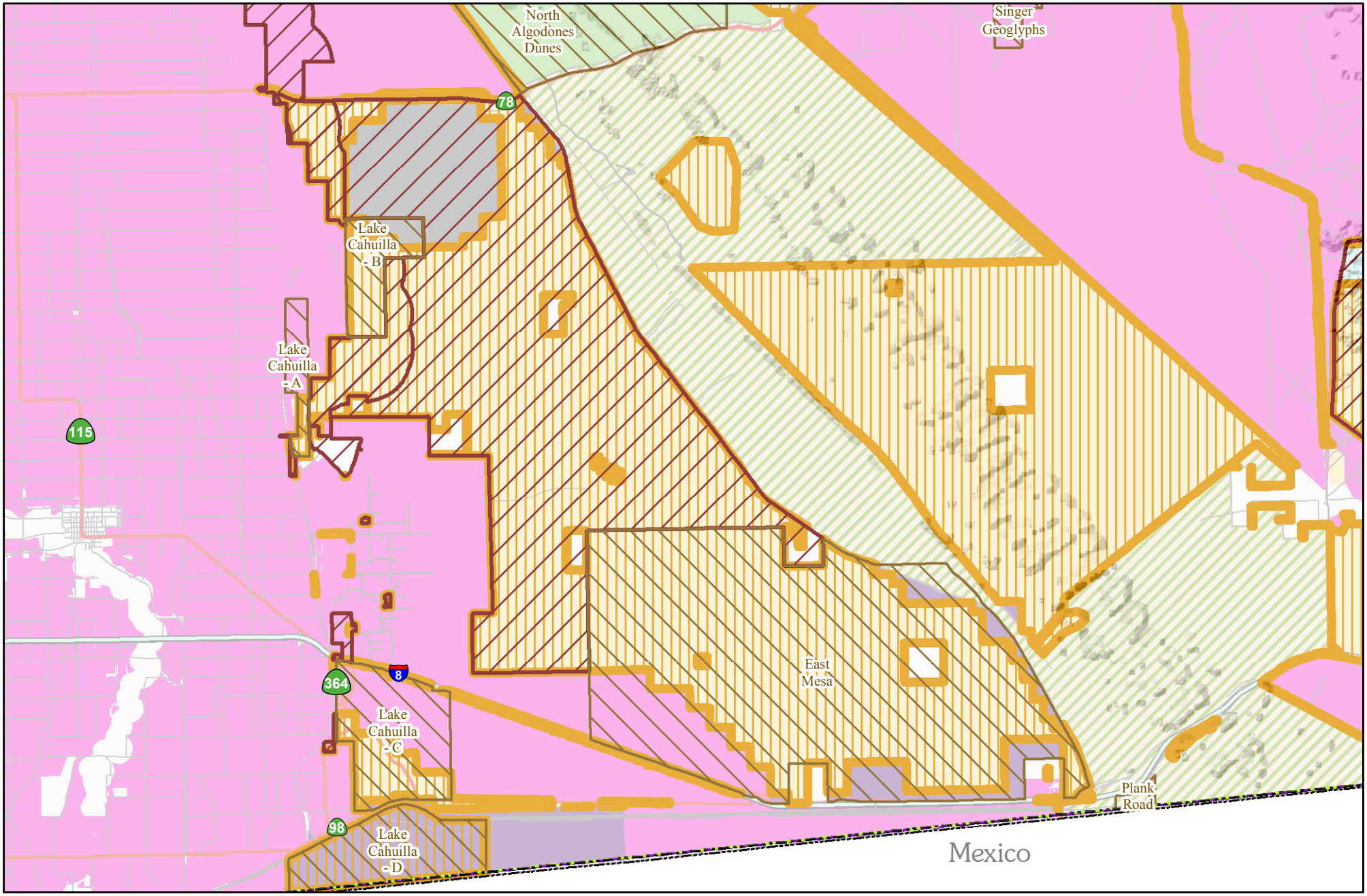
East Mesa



4.5 Miles

6.5 Kilometers

N

Alternative 2 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

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- State
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GTLF

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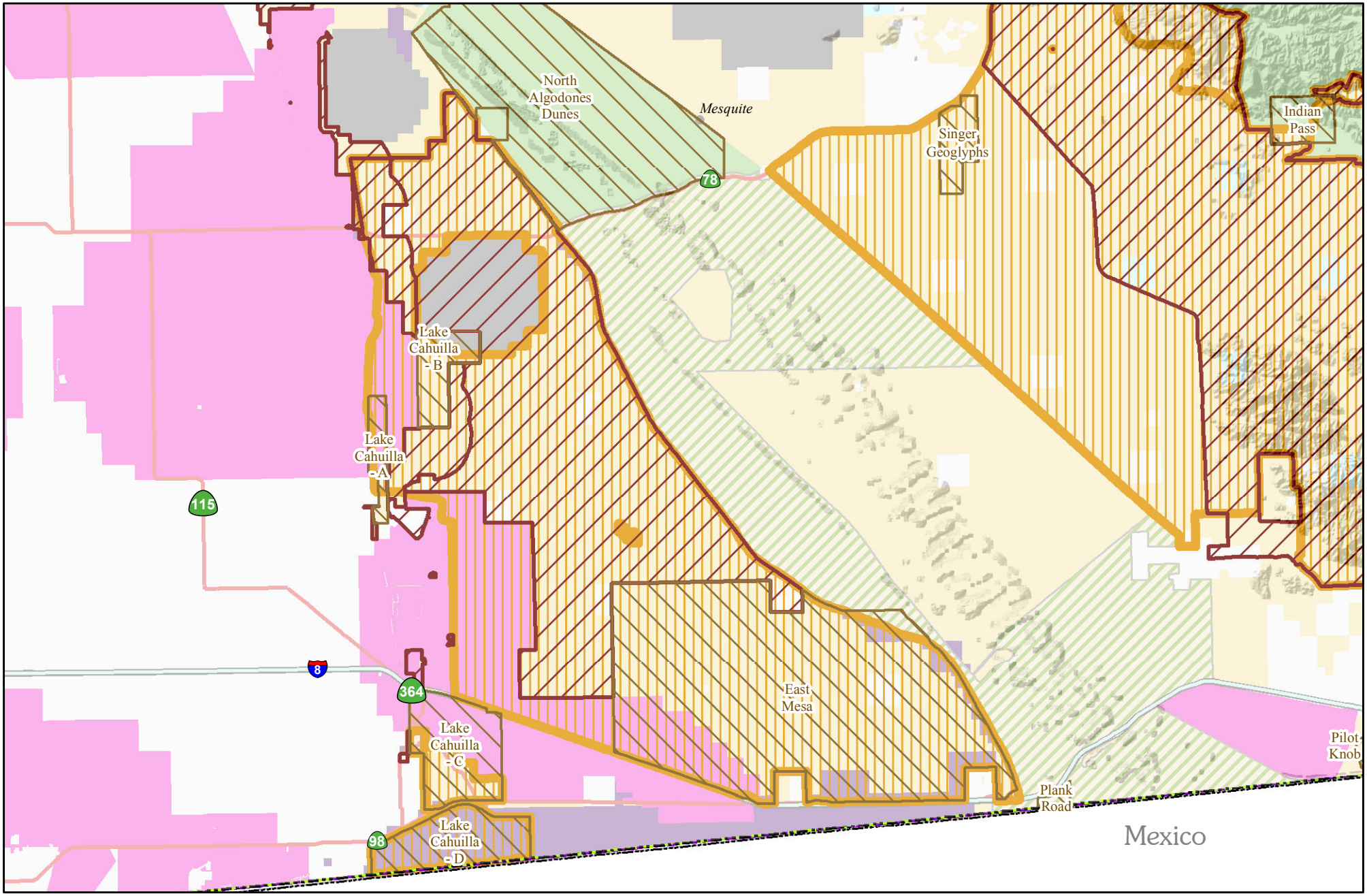
- CA Hwy
- County Hwy

East Mesa



6 Miles

8 Kilometers

N

Alternative 3 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

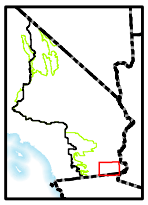
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

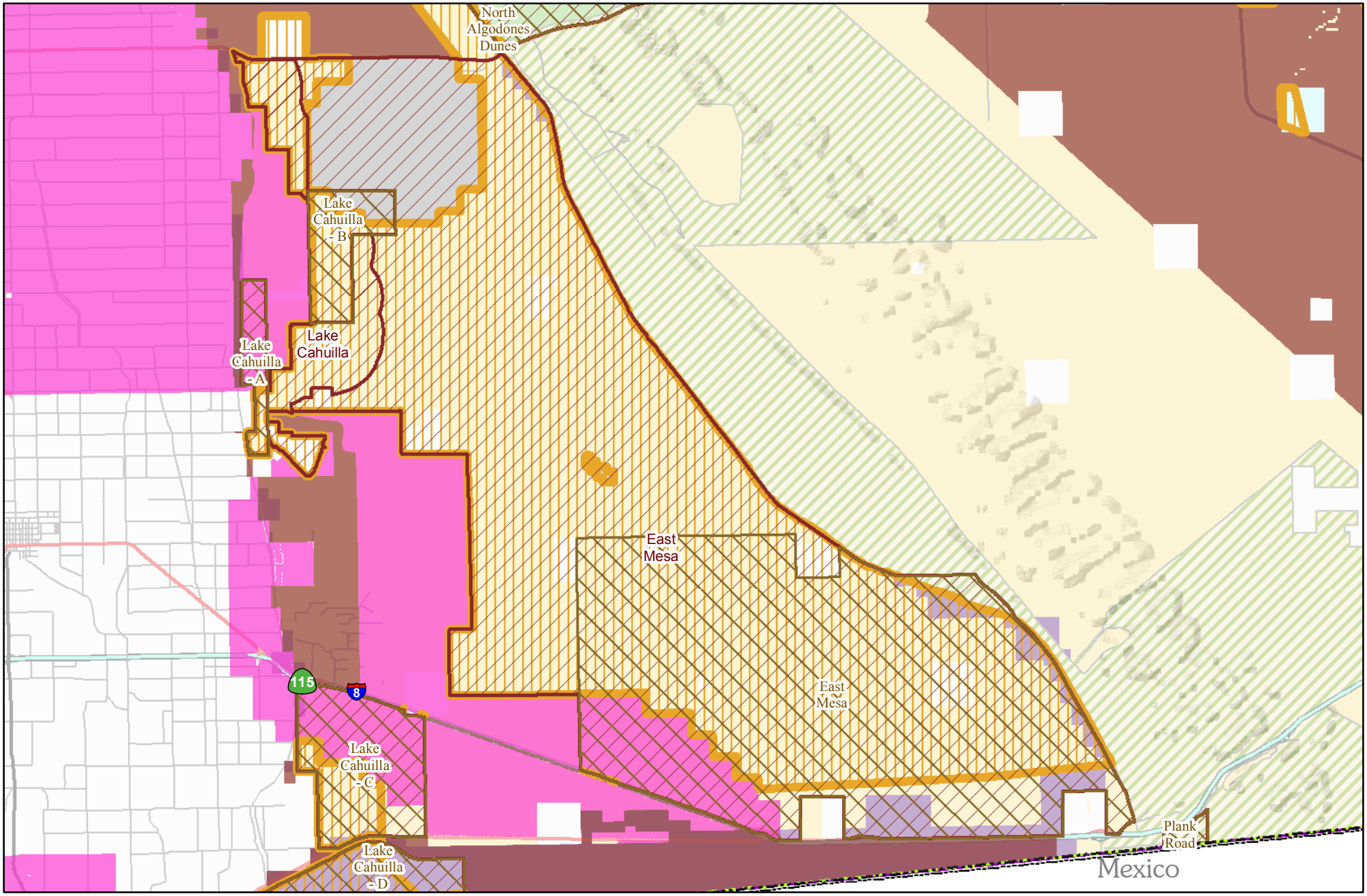
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



East Mesa



4 Miles

6 Kilometers

N

Alternative 4 ACECs

Date Printed: 8/6/2014

Prepared by BLM California State Office

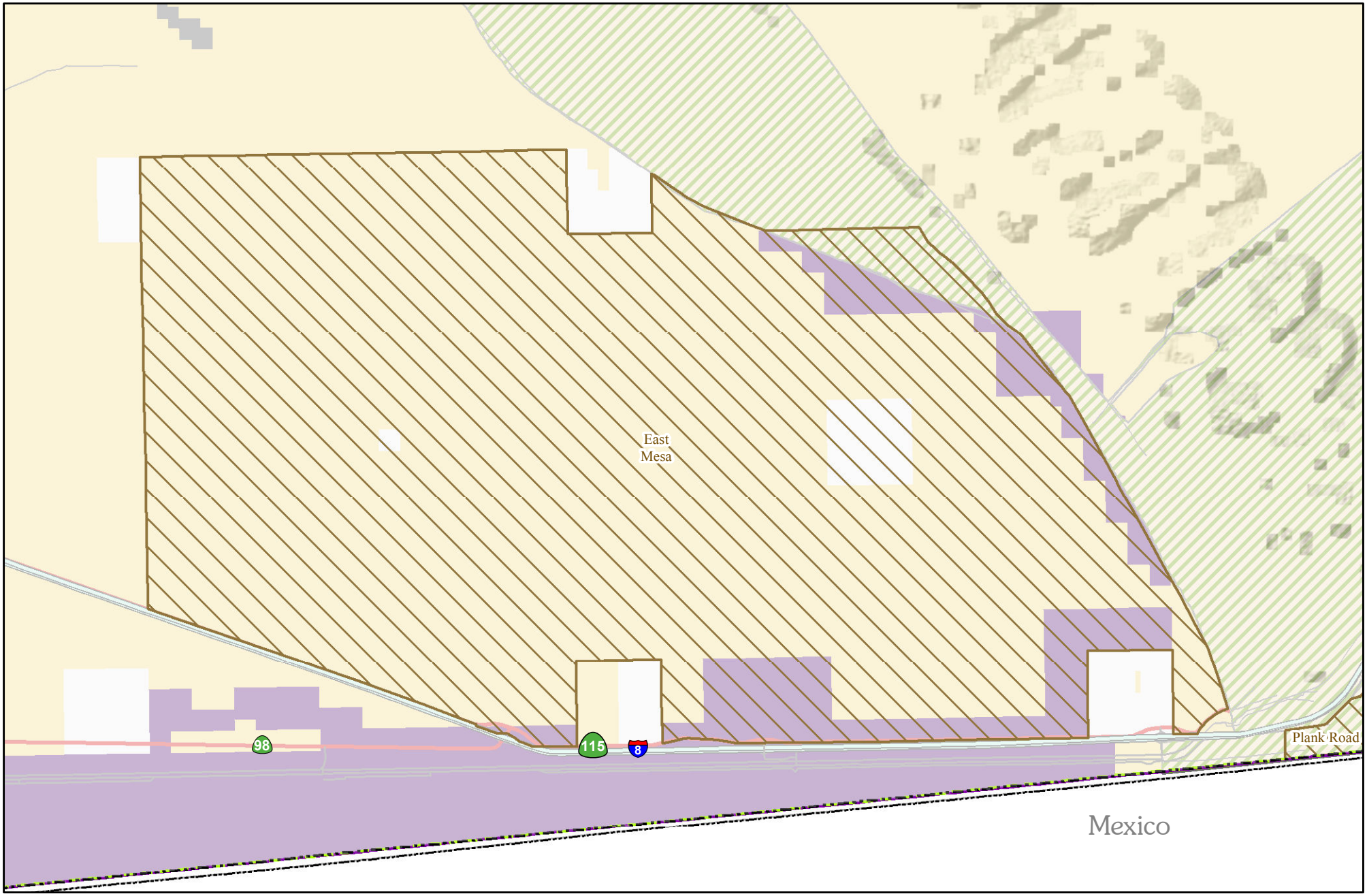
ACEC Layers
- Existing ACEC
- Proposed NLCS
- Proposed ACEC
- Proposed Wildlife Allocation
- Legislatively and Legally Protected

- 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

East Mesa



2 Miles

3 Kilometers

N

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
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- Private

GTLF

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- US Hwy
- CA Hwy
- County Hwy

Indian Pass

Description/Location: This unit is located in the southern Chocolate Mountains. It lies 48 miles northeast of El Centro, California and encompasses a major topographic saddle named Indian Pass and is bisected by Gavilan Wash.

Nationally Significant Values:
Cultural: Prehistoric archaeological sites eligible for listing in the National Register of Historic Places (NRHP), including rock art, trails systems/segments, and trail shrines, are located within this ACEC. The largest collection of etched designs inscribed onto cobbles in southeast California is contained within this area. These etched cobbles are a particularly unique and rare type of rock art and are considered to be highly significant to the local Native American tribes, including the Quechan Indian Tribe's Area of Traditional Cultural Concern, a traditional cultural property that has been determined eligible for the NRHP.

Scientific: The prehistoric archaeological sites located within this unit also contain significant information values that would inform our understanding and knowledge of the past.

Special Designations/Management Plan/Date: ACEC Plan 68/1987

Relevance and Importance Criteria:
Biological Significance: The Gavilan Wash old growth subtropical woodland is an important stopover for neo-tropical migrant birds along the Colorado River flyway. There are three species of rare plants located within this ACEC.

Cultural: Prehistoric archaeological sites includes rock art, trails systems/segments, and trail shrines.

Goals: To protect and preserve the cultural resources located within the ACEC.

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	400	1,900	0	1%
1	100	1,900	0	1%
2	1,900**	1,900	0	1%
3	400	1,900	0	1%
4	300	1,900	0	1%

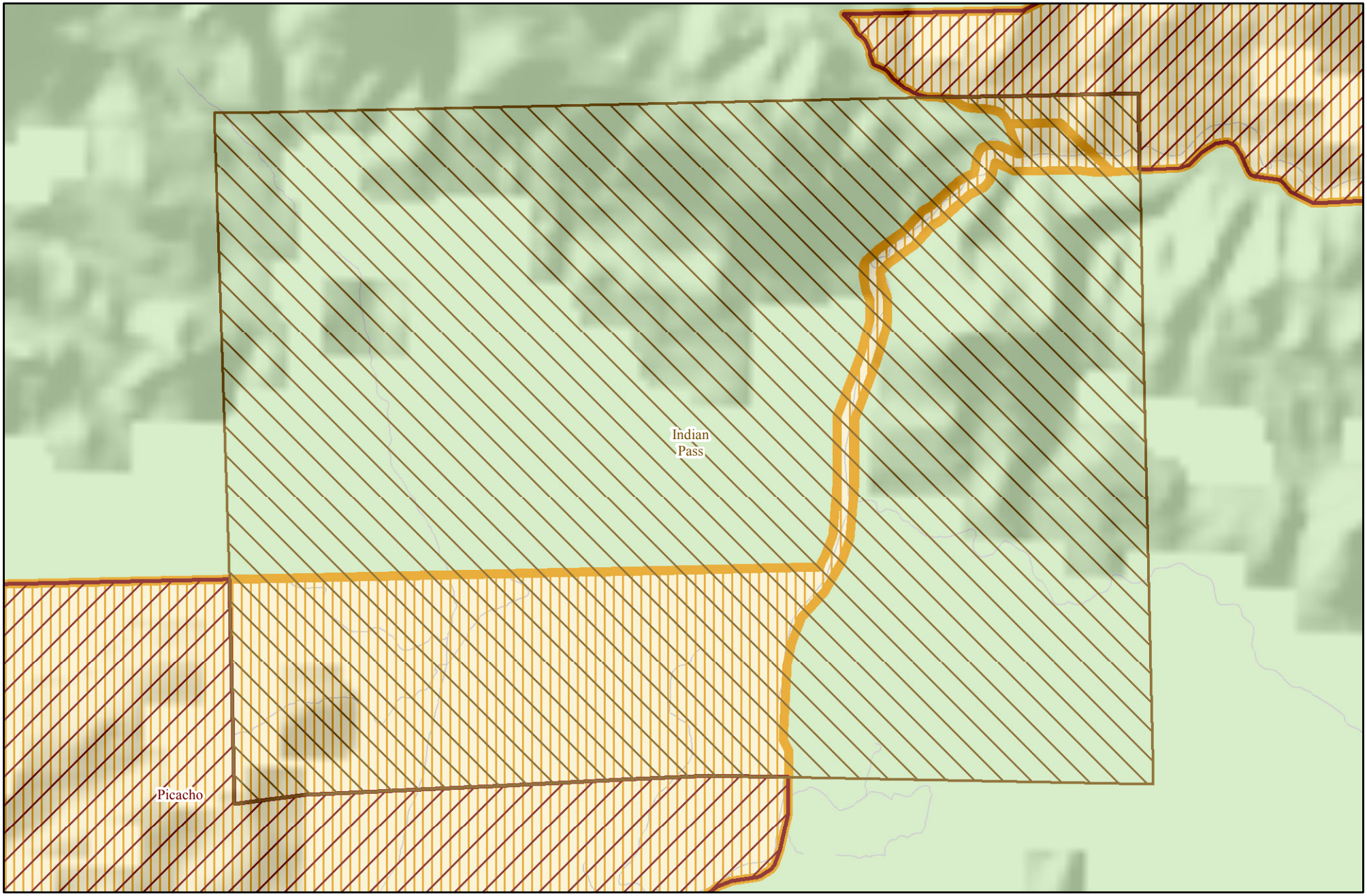
*** Acreage values are for BLM managed lands**
**** Includes overlap of existing designated Wilderness**

Alternatives: All Alternatives – this existing ACEC would continue to be managed as it currently is.	
Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Minimize soil disturbance. Preserve existing air quality. Management Actions: Coordinate with the Imperial County Air Pollution Control District.	Soil, water, air
The following rare species have been found in this ACEC: Las Animas Columbrina (*Columbrina californica*) (CNPS 2.3) Spiny Abrojo (*Condalia globosa var. pubescens*) (CNPS 4.2) Glandular Ditaxis *(Ditaxis clayana)* (CNPS 2.2) Objective: Maintain robust populations of rare native plants. Management Action: Manage vehicular traffic to stay on designated OHV routes. This will protect the habitat of these species in and near Gavilan Wash. Objective: Create a baseline of plant species to track environmental changes. Management Action: Inventory vascular and non-vascular plants, include soil crust species, in the ACEC. Objective: Maintain uneven age-distribution of Sonoran Desert subtropical thorn woodland along Gavilan Wash. Management Action: Monitor natural tree revegetation. If small trees are not persisting because of wild burro browse, construct fenced enclosures in areas in need of tree regeneration.	Vegetation (incl. special status species)
Objective: Maintain wildlife habitat that supports native species including that of special status species; Kit Fox, Burro Mule Deer, Bighorn Sheep. Management Action: Monitor wildlife for habitat and population change. (Wild Horse and Burro Management) Objective: Reduce wild burro populations to target herd numbers to maintain vegetation regeneration in the ACEC. Management Action: Conduct periodic removal of wild burros.	Fish and Wildlife (incl. special status species)
See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Objective: Provide for highest level of protection of cultural resources. Management Action: Conduct regular ranger patrols and surveillance. Management Action: Nominate the significant sites or districts for listing in the NRHP. Management Action: Install informative signage and kiosks to ensure the public is aware of restrictions. Management Action: Consult with local Indian tribes and knowledgeable	Cultural Resources

traditional practitioners regarding the cultural resource values present within the ACEC. Objective: Fully document and record the known archaeological sites as well as any new sites that may exist within the ACEC. Management Action: Work with local archaeological organizations and institutions to develop partnerships to enable proactive survey and recordation. Management Action: Apply for grant or other funding to pay for contracting.	
Objective: Ensure the general management and protection of paleontological resources. Management Action: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act and the Omnibus Act. Management Action: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed.	Paleontology
Objective: Maintain the existing characteristic landscape. Management Actions: Mitigate changes to characteristic landscape through the applicable VRM management class prescriptions.	Visual Resources
Objective: Manage routes to fulfill requirements of the original CDCA Plan and the NECO Plan Amendment. Management Action: Continue to coordinate with the Imperial County's Public Works Department and ensure their knowledge of the ACEC's sensitivity so that special care is taken while grading along Indian Pass Road. Management Action: Monitor the creation of illegal routes and perform route restoration as needed.	Trails and Travel Management
Objective: Allow compatible recreational activities that can be accommodated while preserving and protecting cultural resources. Allowable Uses: Hunting, hiking, 4X4 touring on designated routes. Objective: Prohibit the commercial or recreational collection of rocks, gem-stones, fossils, and minerals within the ACEC. Management Action: Install and update kiosks and signage around the boundaries of the ACEC to inform the public of its closure to rock collecting.	Recreation
Objective: The ACEC would be a ROW avoidance area. ROWs in avoidance areas would be authorized on a case by case basis to meet public demand consistent with the goals and objectives of the ACEC. All relevant and important values of the ACEC must be protected. Management Actions: New proposals will need to be analyzed on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals.	Rights of Way
Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria Geothermal: Area is closed to geothermal leasing and development	Renewable Energy

Objective: Limit formal mineral exploration. Management Actions: In 2000 a twenty year Indian Pass mineral Withdrawal was authorized by the BLM which prevents development of existing claims within the Withdrawal. The northern section of this Withdrawal encompasses portions of the Indian Pass ACEC but not in its entirety. Objective: Prohibit the commercial or recreational collection of rocks, gem-stones, fossils, and minerals within the ACEC. Management Action: Install and update kiosks and signage around the boundaries of the ACEC to inform the public of its closure to rock collecting. Allowable Uses: There are existing mining claims within portions of the Indian Pass ACEC. New mineral entry for locatable minerals is currently restricted in portions of the ACEC which are covered by the Indian Pass Withdrawal. The Withdrawal, which terminates in 2020, prevents development of existing claims. Portions of the ACEC may be leased for oil and gas, although interests for these are negligible.	Locatable Minerals Mineral Materials Non-Energy Leasables

Indian Pass



0.4 Miles

0.55 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

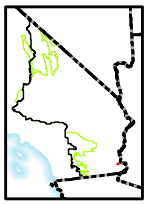
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

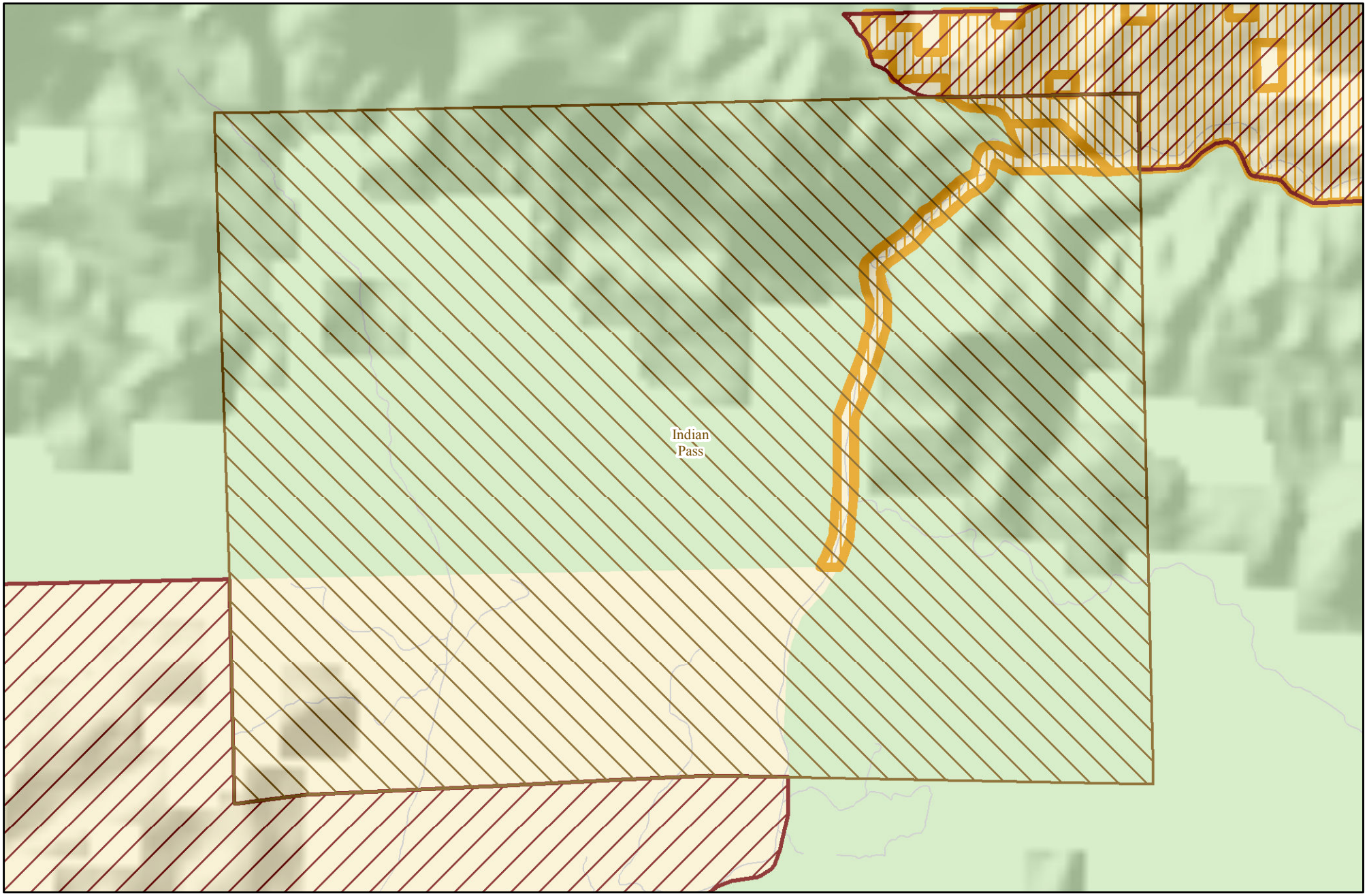
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Indian Pass



0.4 Miles

0.55 Kilometers

N

Alternative 1 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

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- State
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- Military
- Private

GTLF

- Interstate
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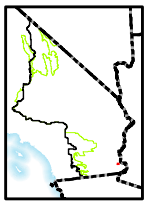
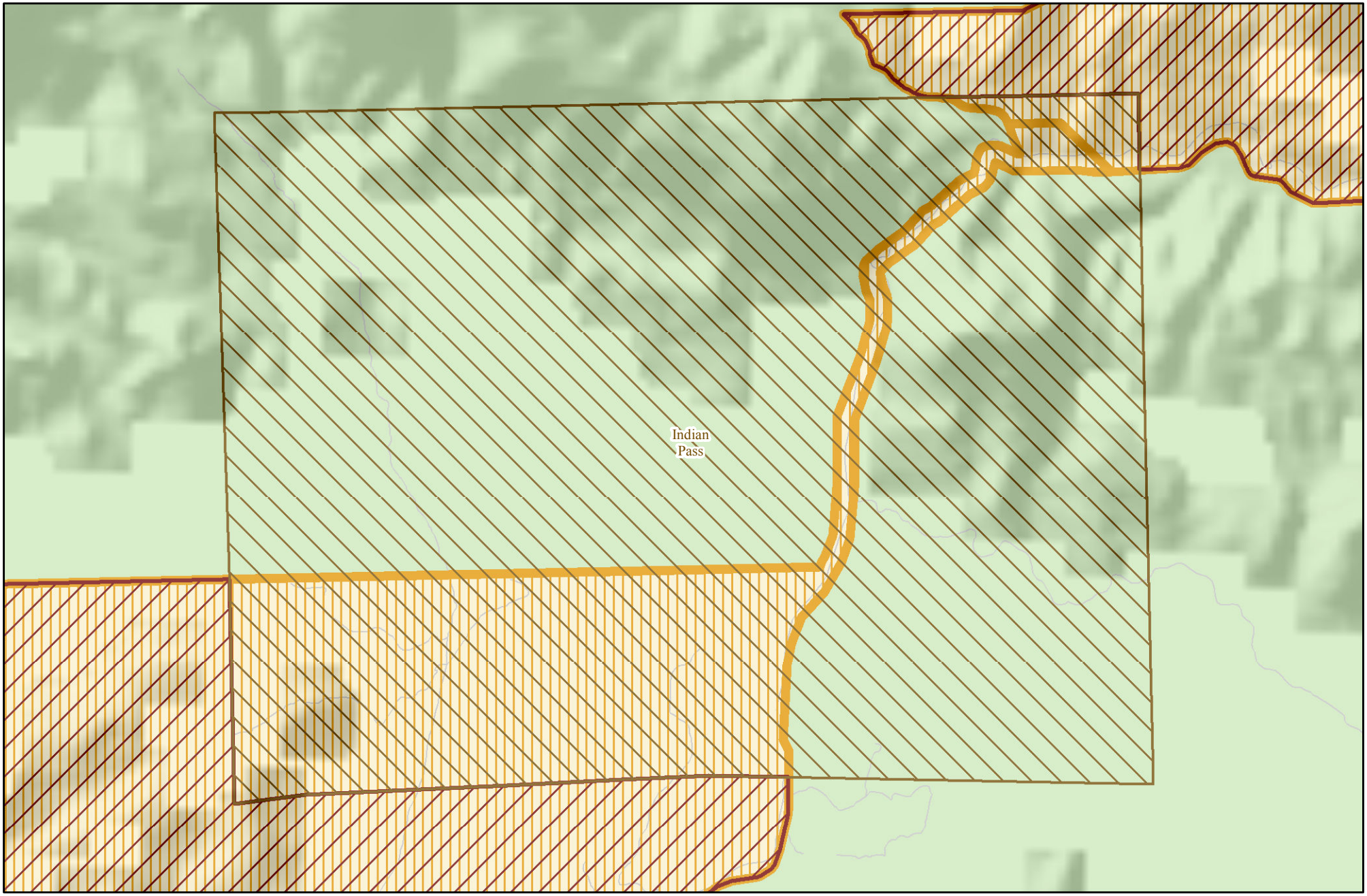
- CA Hwy
- County Hwy



Indian Pass



0.4 Miles

0.55 Kilometers

N

Alternative 2 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

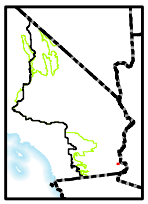
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

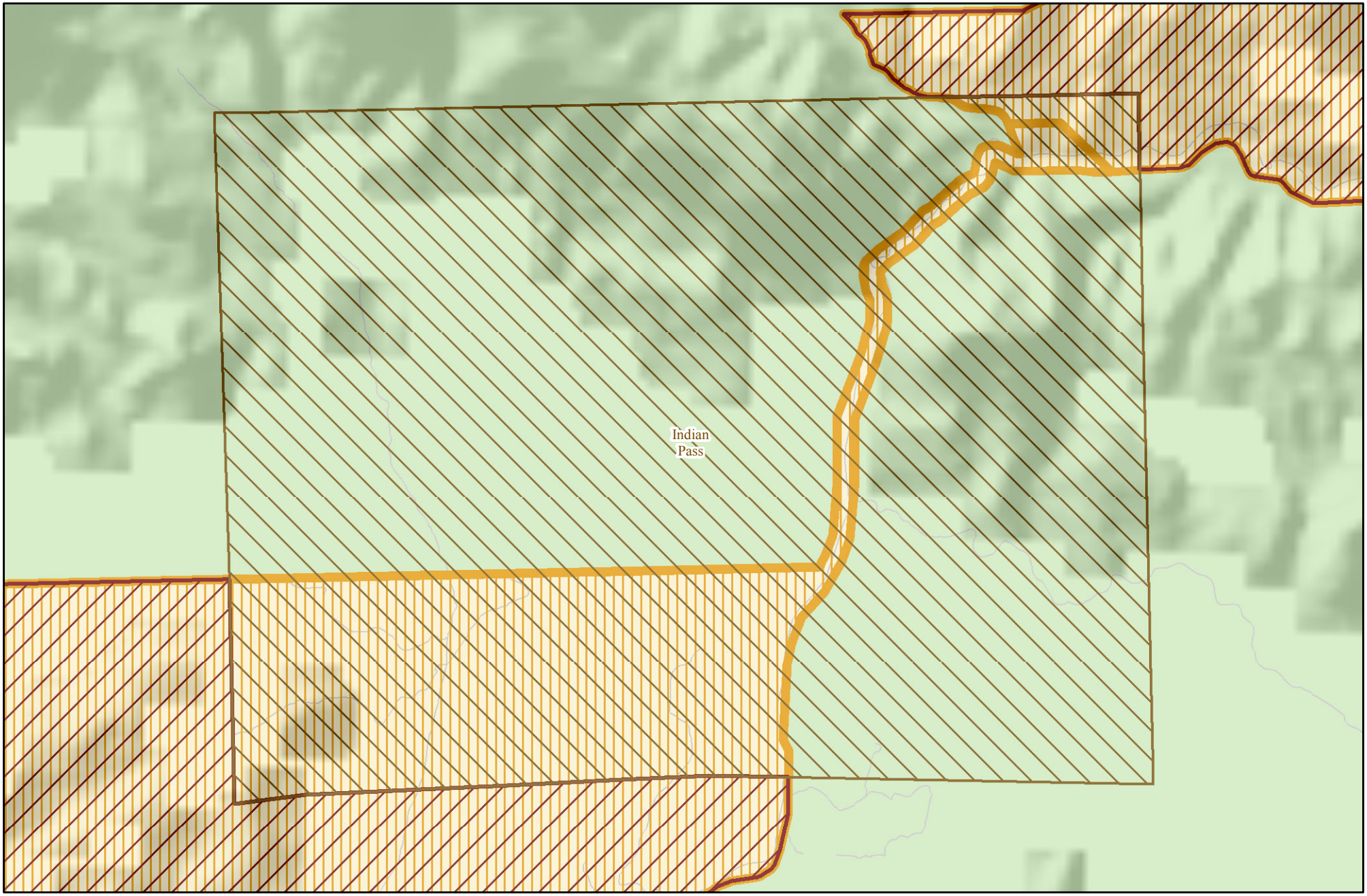
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Indian Pass



0.4 Miles

0.55 Kilometers

N

Alternative 3 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
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- BLM Field Office

Land Status

- Bureau of Land Management
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- Military
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GTLF

- Interstate
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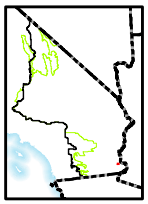
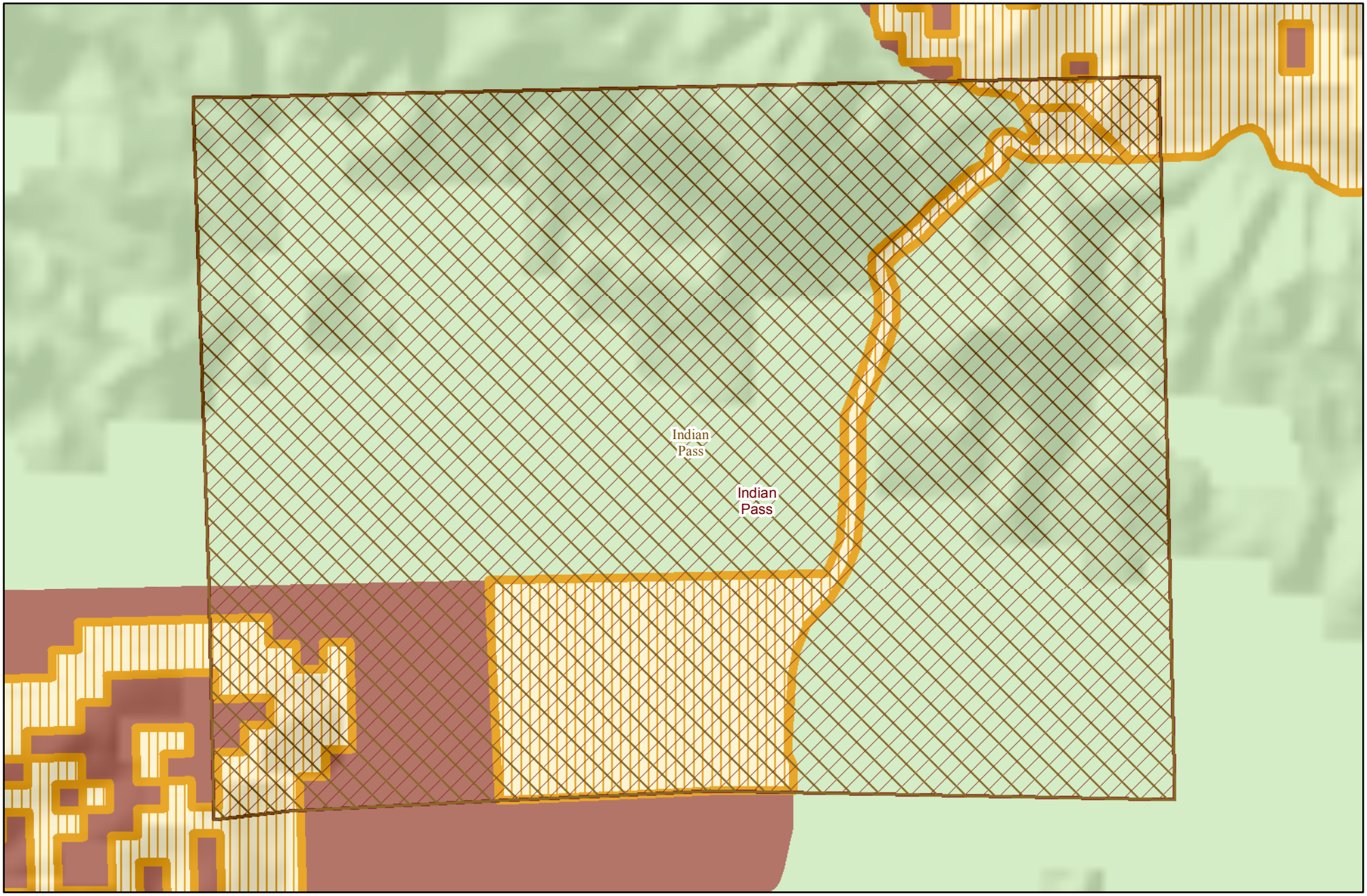


Indian Pass



0.35 Miles

0.55 Kilometers

N

Alternative 4 ACECs

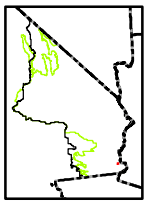
Date Printed: 8/6/2014

Prepared by BLM California State Office

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



Indian Pass

0.4 Miles

0.55 Kilometers

N

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
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GTLF

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- CA Hwy
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Lake Cahuilla
Description/Location: Located about 18 miles east of El Centro, California, the existing Lake Cahuilla ACEC and proposed conservation lands lie in south central Imperial Valley between farm lands and the Imperial Sand Dunes. ACEC 71 lies against the International Border and the All-American Canal. ACEC 69 also lies adjacent to the canal and is contiguous with Interstate 8. ACEC 65 begins adjacent to the Holtville Airport and parallels the East Highline Canal. ACEC 66 covers a segment of an interior shoreline and lies one mile east of ACEC 65. The proposed expansion of conservation lands would connect these units of the existing ACEC and the proposed East Mesa conservation lands. The proposed expansion includes an area one mile wide on either side of the 40' contour of ancient Lake Cahuilla. It spans the Imperial Valley from the Coachella Valley to the north, to the International border to the south. **Nationally Significant Values:** Cultural: Rare and unique archaeological values exist within the proposed conservation lands and the existing ACEC. These lands include several large archaeological sites that contain dense accumulations of ceramics, hearths, stone tools, and features that are associated with the shoreline of ancient Lake Cahuilla which has repeatedly in-filled over the last thousand years. These sites contain evidence of habitation, food preparation, early trade, lake-shore adaption and socio-religious practices, giving us insight into prehistoric human behavior. Archaeological site types vary around the shoreline, ranging from fish traps along the northern shoreline, to geoglyphs or intaglios along the southeastern portions of the shoreline. Areas and landmarks of traditional religious and spiritual concern to Native Americans are located in and visible from the ACEC. Prehistoric archaeological sites listed in and eligible for listing in the NRHP are located within this ACEC. Scientific: Prehistoric archaeological sites with scientific information potential that make them eligible for listing in the NRHP are located within this ACEC. This ACEC also contains significant paleontological resources, including the Palm Springs Formation associated with the shoreline of ancient Lake Cahuilla. Various types of archaeological resources are located within each ACEC. ACEC #65 – includes excellent portions of frontal beach that contains fossil records. ACEC #69,71 – contains portions of frontal beach with irregular shore shape and provides an opportunity to manage and examine shoreline versus non-shoreline prehistoric sites. ACEC #66 – covers large portion of one East Mesa embayment shoreline. Microhabitats provided Native Americans with different and abundant food gathering opportunities **Special Designations/Management Plan/Date:** One plan covers ACEC #65, 66, 69 and 71/ 1984. **Relevance and Importance Criteria**: Relevant and significant cultural resources which require special management attention. Sensitive archaeological sites are potentially endangered from uncontrolled sand and gravel removal, off-road vehicle use, and other forms of activity. Archaeological values within each ACEC are rare and unique in character. The ecological environment of Lake Cahuilla was not duplicated elsewhere in the California Desert. In fact, the circumstances which led to repeated fillings of Lake Cahuilla may not exist elsewhere in the world. Consequently, Lake Cahuilla archaeology provides us with a rare glimpse into prehistoric human behavior which can contribute to our knowledge of our varied cultural heritage.

Goals: Protect and enhance cultural and paleontological values while complying with existing legislation and BLM policies. Provide for compatible uses.

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	14,000	0	NA
Preferred Alternative	30,700	35,700	0	0.10%
1	0	35,800	0	0.10%
2	33,800	33,800	0	0.10%
3	16,700	35,600	0	0.10%
4	12,400	29,200	0	0.10%

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

Alternatives :

All Action Alternatives – this existing ACEC would be expanded and managed to protect cultural resources.

No Action: The existing ACEC would be managed as it currently is.

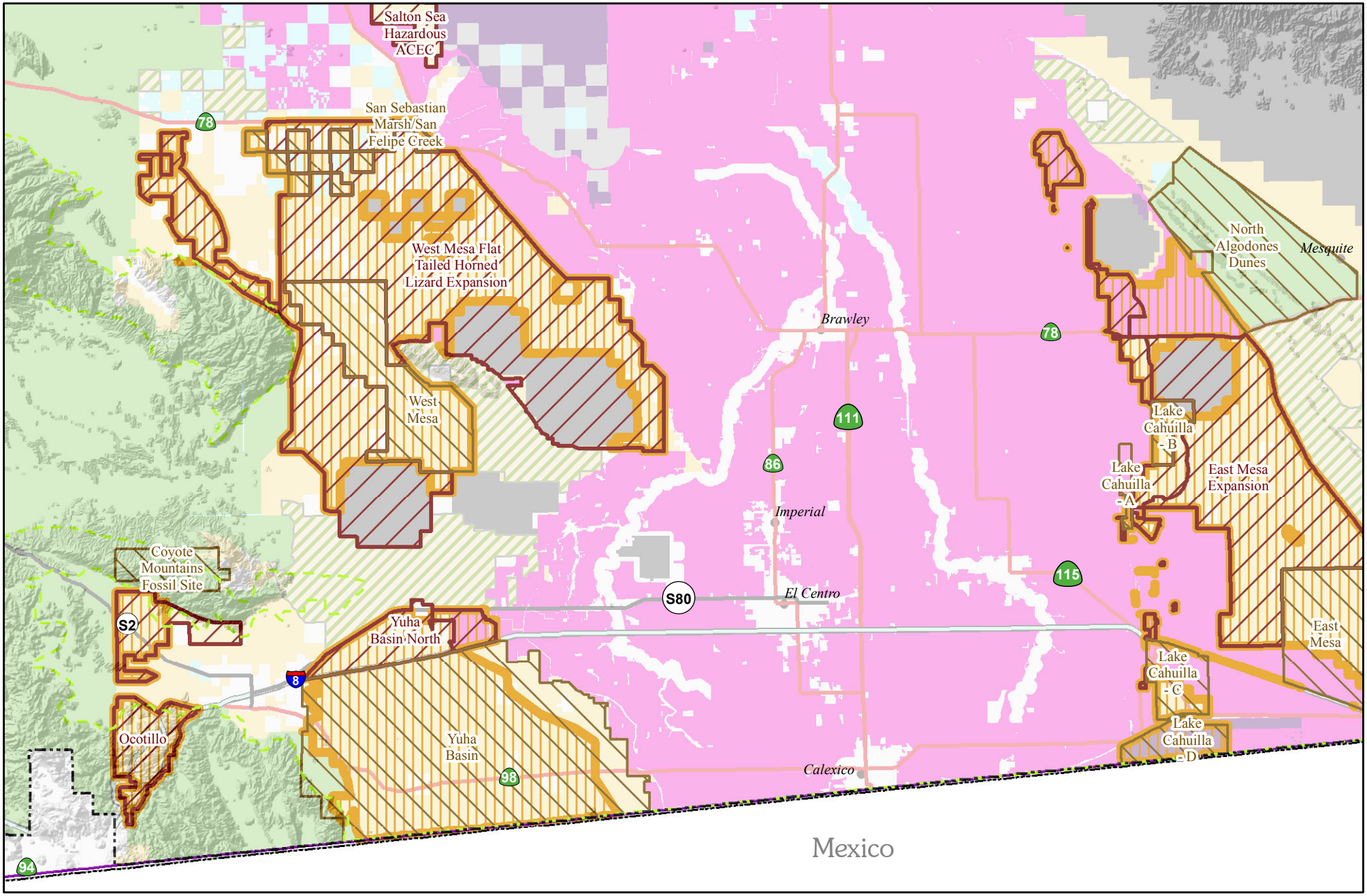
Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Minimize soil disturbance. Preserve existing air quality. Management Actions: Coordinate with the Imperial County Air Pollution Control District to maintain air quality.	Soil, water, air
The Lake Cahuilla ACEC lies largely within a Creosote bush scrub plant community. Major plant species in the area include creosote (*Larrea tridentata*), Mormon tea (*Ephedra trifurca*),and saltbush (*Atriplex canescens*). The area is also dotted with small numbers of honey mesquite dunes (*Prosopis glandulosa*). BLM Special Status Plants include Sand food and the Algodones Dunes sunflower. Objective: Protect and enhance robust populations of both rare and common native plants. Management Action: Manage vehicular traffic to stay on designated OHV routes. Management Action: Place signs, kiosks and interpretive information at key	Vegetation (incl. special status species)

recreational sites to better inform the public about the important plant resources. Management Action: Eradicate and control the spread of invasive and noxious weeds. Objective: Update a baseline of plant species to track environmental changes. Management Action: Inventory vascular and non-vascular plants, include soil crust species, in the ACEC.	
The current Lake Cahuilla ACEC contains three primary habitat types: creosote bush scrub, mesquite dunes, and canal-created riparian zones. Wildlife diversity is greatest in the artificial riparian areas. The primary species of special management concern are the state and Federally listed endangered Yuma clapper rail and the California black rail. The latter species is State listed and a candidate for Federal listing. These species have been reported in canal side vegetation adjacent to ACEC 71. The flat-tailed horned lizard, a candidate for Federal listing, may occur in the ACEC. Additionally, seven bird species included on the l982 Audubon Society Blue List of diminishing species occur or potentially occur within the Lake Cahuilla ACEC. These include the sharp-shinned hawk, marsh hawk, Swainson's hawk, long-billed curlew, Bewick's wren, loggerhead shrike, and yellow warbler. Objective: Maintain wildlife habitat that supports native species including that of special status species. Management Action: Monitor wildlife for habitat and population change.	Fish and Wildlife (incl. special status species)
See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Objective: Protect and preserve cultural resources within and visible from the ACEC. Management Action: Develop interpretive programs and brochures that explain Lake Cahuilla cultural resources. Management Action: Prohibit OHV activities except on designated routes of travel. Management Action: Perform route restoration to erase illegal routes. Management Action: Prohibit camping within one mile of the 40’ contour of ancient Lake Cahuilla. Management Action: Increase ranger patrols and BLM presence in the area. Management Action: Nominate the district for listing in the NRHP. Management Action: Install informative signage and kiosks to ensure the public is aware of restrictions as well as provide interpretation about ancient Lake Cahuilla. Objective: Expand our understanding of the nature, variety, and complexity of cultural resources within the Lake Cahuilla ACEC. Management Action: Consult with local Indian tribes and knowledgeable traditional practitioners regarding the cultural resource values present within the ACEC. Management Action: Work with local archaeological organizations and	Cultural Resources

institutions to develop partnerships to enable proactive survey and recordation. Management Action: Apply for grant or other funding to pay for contracting.	
Objective: Ensure the general management and protection of paleontological resources within the ACEC. Management Action: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act and the Omnibus Act. Management Action: Develop plans and cooperative agreements to increase the inventory and scientific and educational use of paleontological resources. Management Action: Prohibit casual collection of vertebrate fossils without a permit. Management Action: Increase ranger patrols and BLM presence in the area. Management Action: Install informative signage and kiosks to ensure the public is aware of restrictions as well as provide general education about the unique and important resources. Management Action: Develop interpretive programs and brochures that explain Lake Cahuilla paleontology.	Paleontology
Objective: Protect characteristic landscape of the conservation lands and ACEC. Management Actions: Avoid impacts to characteristic landscape by managing to appropriate VRM class. Apply visual mitigation techniques.	Visual Resources
Objective: Manage the route of travel network to fulfill requirements of the original CDCA Plan and the WECO Plan Amendment. Management Action: Provide signage and maps to the public to inform them of route locations and regulations. Management Action: Increase ranger patrols and other BLM personnel visits to the area. Management Action: Monitor the creation of illegal routes and perform route restoration as needed.	Trails and Travel Management
Objective: Protect archaeological sites from physical degradation. Management Action: Prohibit camping except in sand and gravel pits and within 50 feet of approved routes of travel as per the WECO plan. Continue to monitor existing recreational opportunities (hunting, target shooting etc.). Management Action: Increase ranger patrols and other BLM personnel visits to the area. Management Action: Provide signage and maps to the public to inform them of route locations and regulations.	Recreation
Avoid impacts to resource values. Limit linear ROWs to designated transmission corridors.	Rights of Way

No Action/Current Condition: ACEC 65 currently no competitive geothermal leases ACEC 66 competitively leased and leased through over-the-counter system for geothermal resources ACEC 69 competitively leased for geothermal resources Allowable Uses: Geothermal exploration with stipulations Proposed for All Action Alternatives: Renewable Energy (Solar, Wind, etc) Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria Proposed Geothermal: Continue ACEC 65 currently no competitive geothermal leases ACEC 66 competitively leased and leased through over-the-counter system for geothermal resources ACEC 69 competitively leased for geothermal resources In places where the DFA(geothermal) overlaps this ACEC, geothermals would be allowed with a NSO stipulation.	Renewable Energy
Objective: Permit economic resource development in a way to maximize value without jeopardizing cultural resources. Allowable uses: Oil and gas leasing and development. Mining activities would be allowed with appropriate analysis and mitigation. Management Action: Prohibit extraction of mineral materials (sand and gravel) and petrified wood from ACEC 65, 69 and 71. East Mesa beachline has long been the site for sand and gravel extraction. Historic operations are allowed to continue. Allocation: Limited material sales	Locatable Minerals Mineral Materials Non-Energy Leasables
East Highline Sand and Gravel Activity Management Plan Part of first form withdrawal by Bureau of Reclamation ACEC 66 lies within the Imperial Sand Dunes Recreation Area East Mesa Known Geothermal Resource Area occupies portions of ACEC 69 Parts of ACEC 65 lie within the East Brawley KGRA	Overlapping Land Designations

Lake Cahuilla



9 Miles

10 Kilometers

N

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

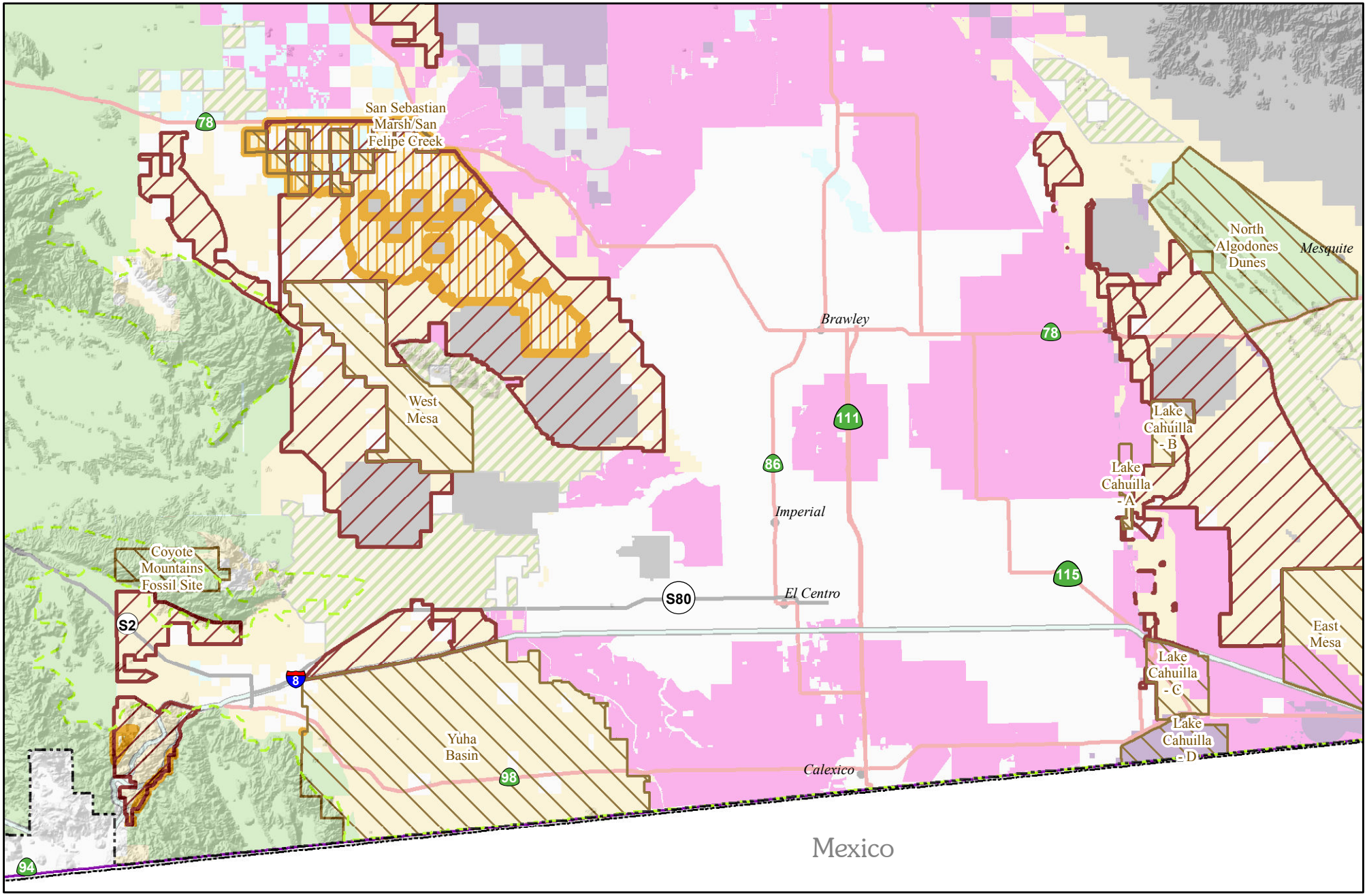
Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

Lake Cahuilla



9 Miles

10 Kilometers

N

Alternative 1 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
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GTLF
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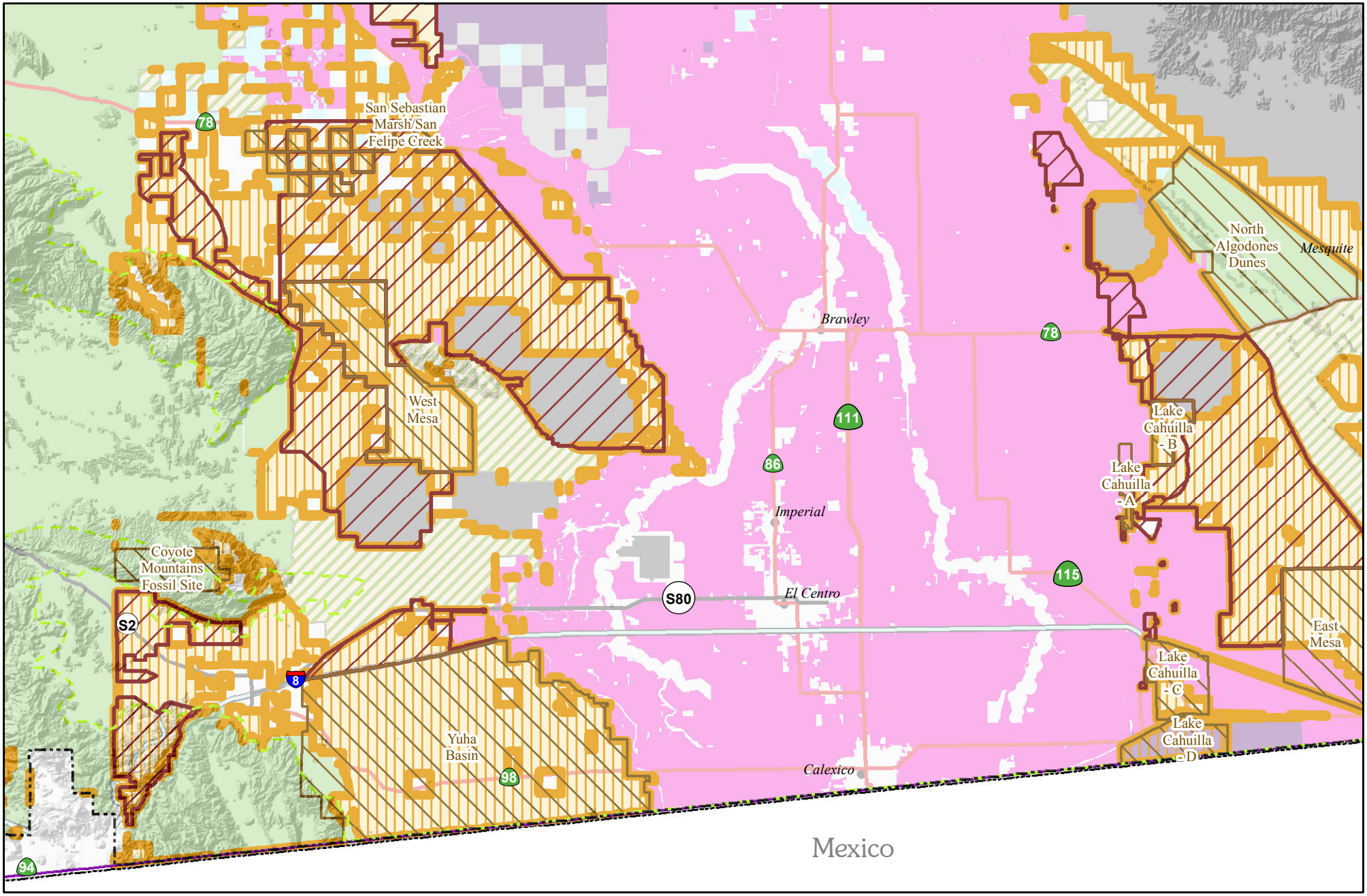
- County Hwy

Lake Cahuilla



9 Miles

10 Kilometers

N

Alternative 2 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

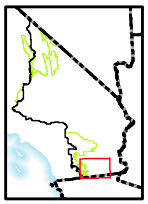
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

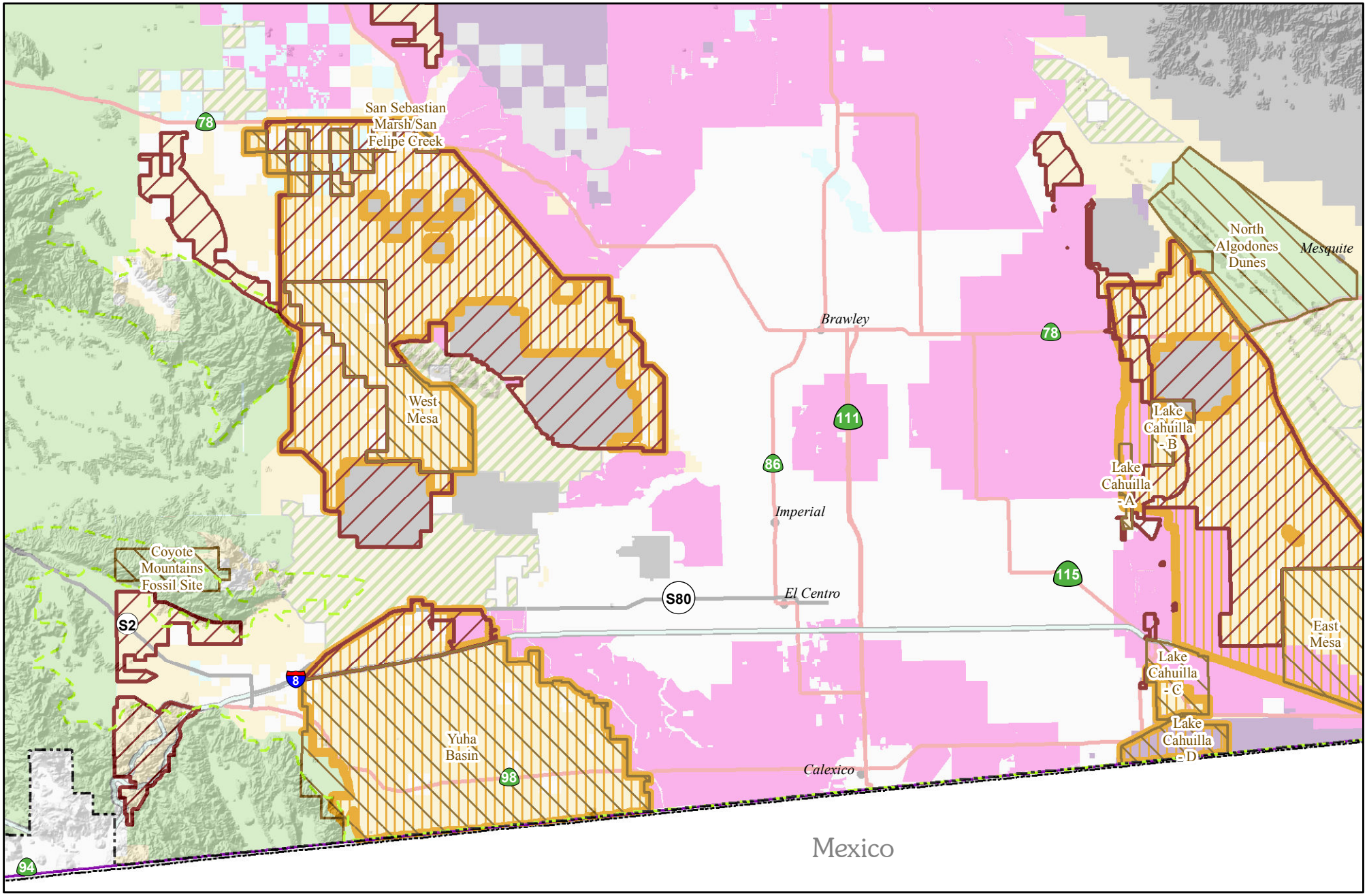
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Lake Cahuilla



9 Miles

10 Kilometers

N

Alternative 3 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

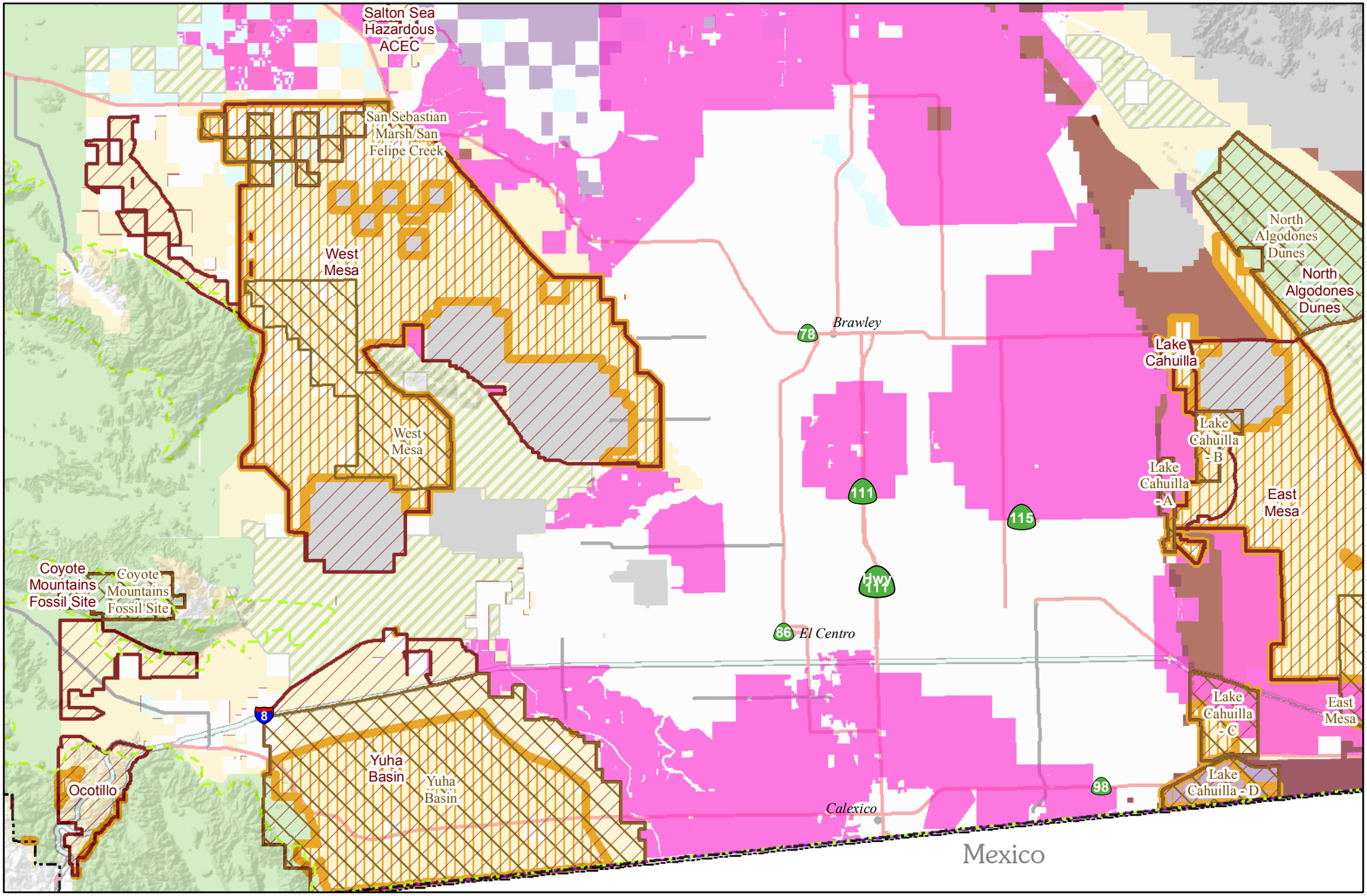
Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

Lake Cahuilla



8 Miles

10 Kilometers

N

Alternative 4 ACECs

Date Printed: 8/6/2014

Prepared by BLM California State Office

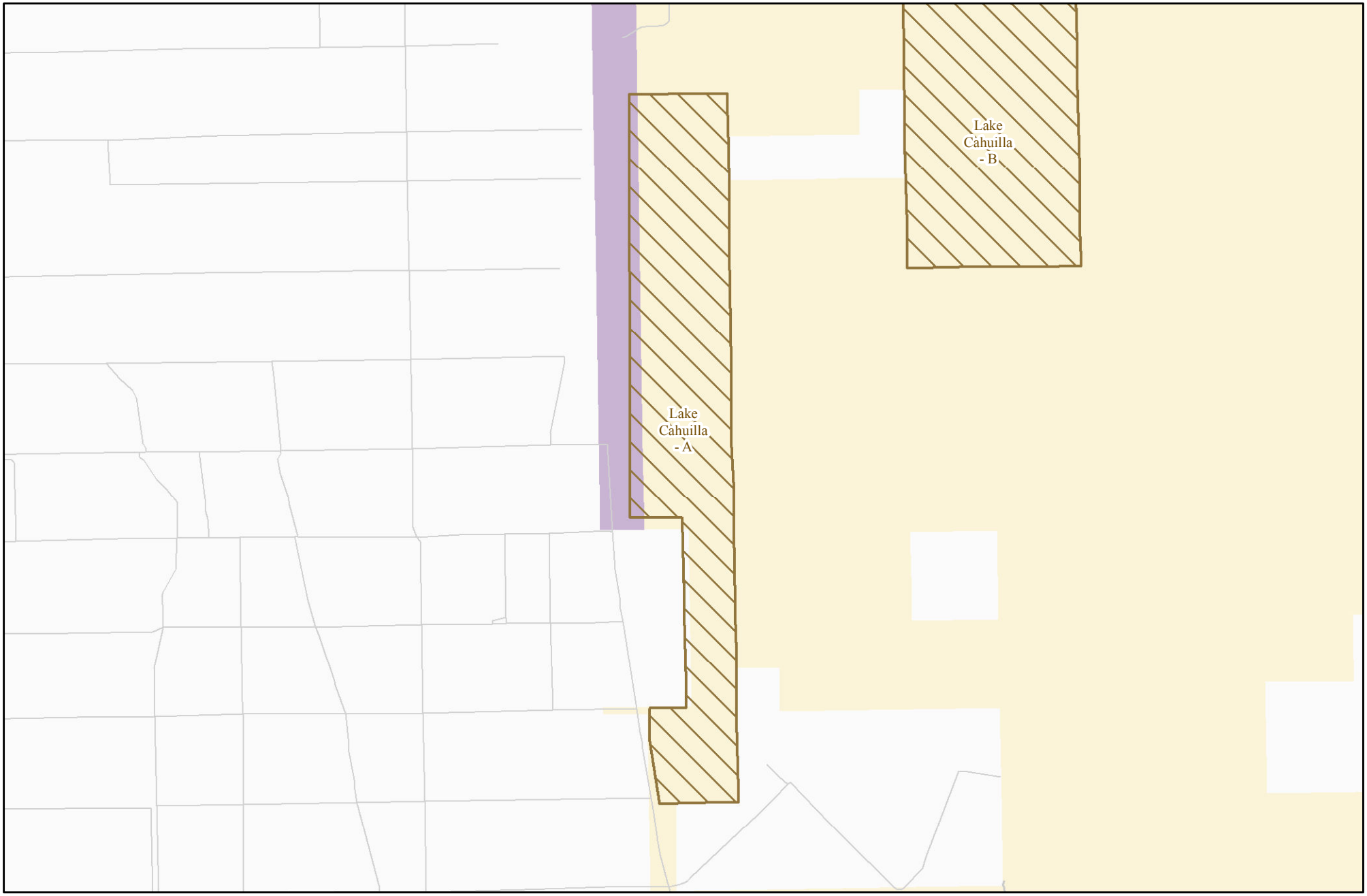
ACEC Layers
- Existing ACEC
- Proposed NLCS
- Proposed ACEC
- Proposed Wildlife Allocation
- Legislatively and Legally Protected

- 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

Lake Cahuilla - A



1 Miles

1.5 Kilometers

N

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

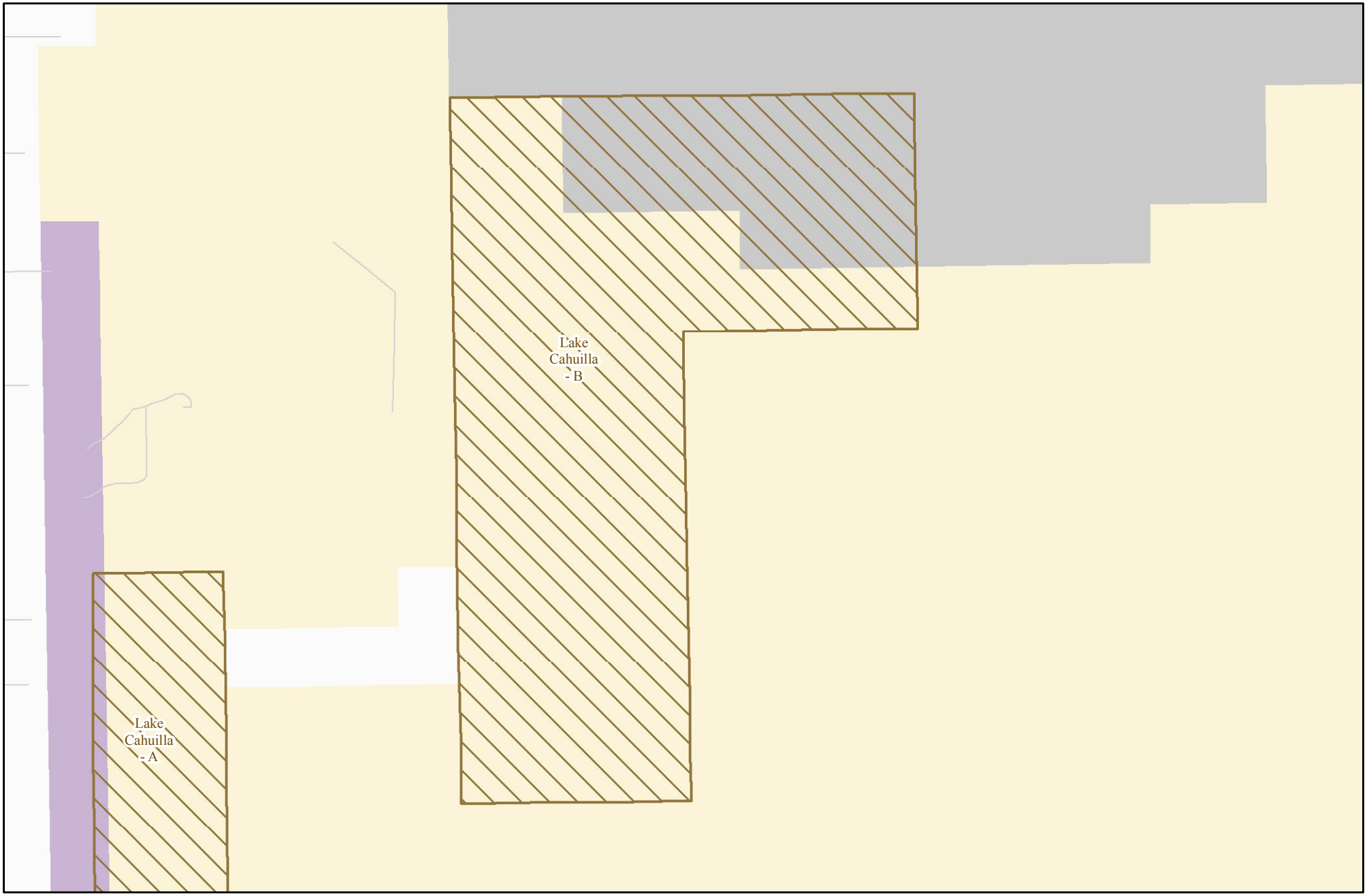
Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

Lake Cahuilla - B



0.8 Miles

1 Kilometers

N

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

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- State
- Other Federal
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GTLF

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- US Hwy
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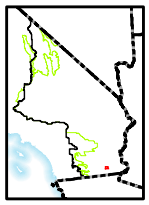
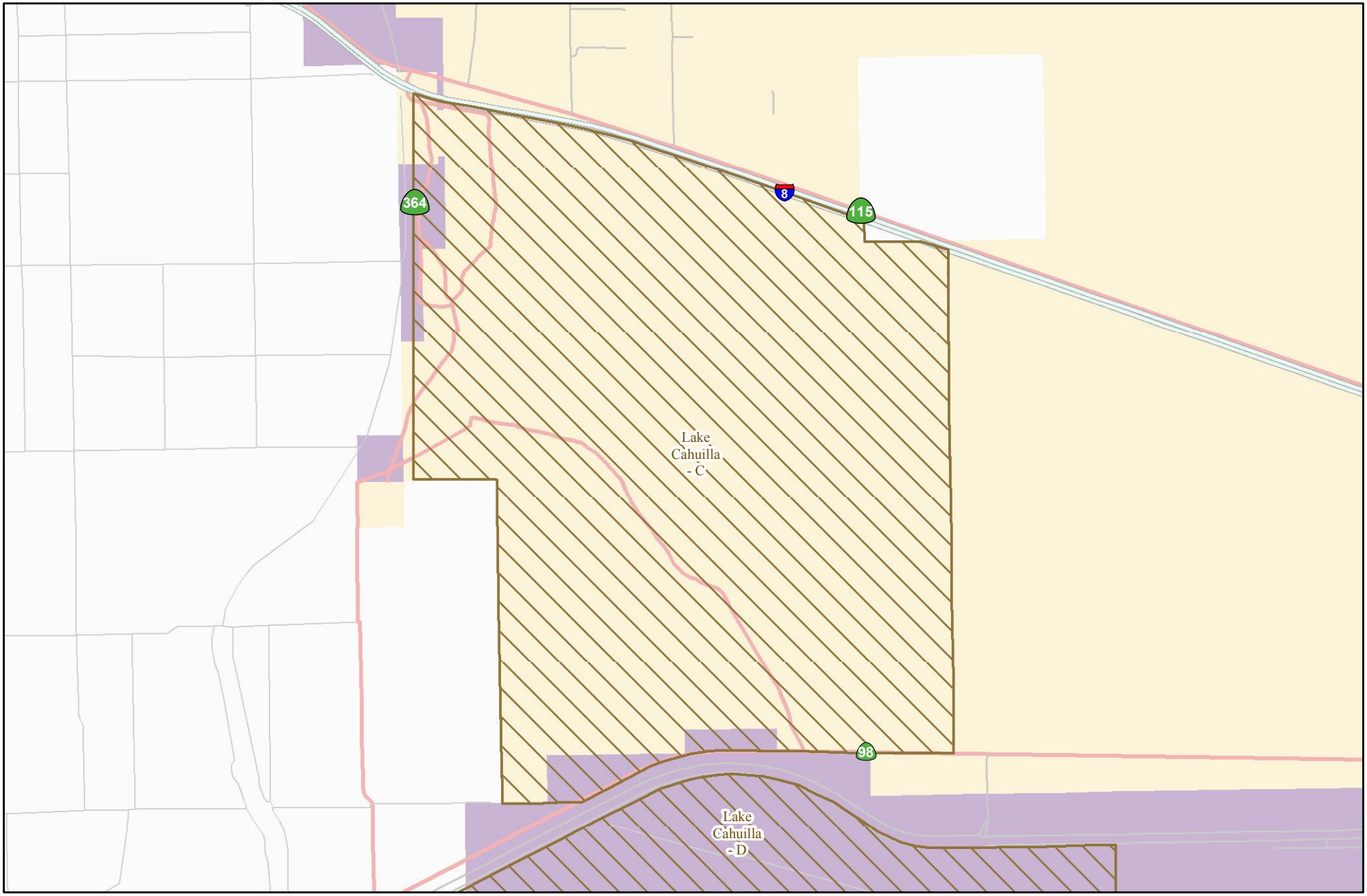
- County Hwy



Lake Cahuilla - C



1 Miles

1 Kilometers

N

No Action ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

- Existing ACEC
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- Legislatively and Legally Protected

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Land Status

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GTLF

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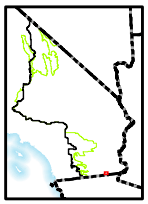
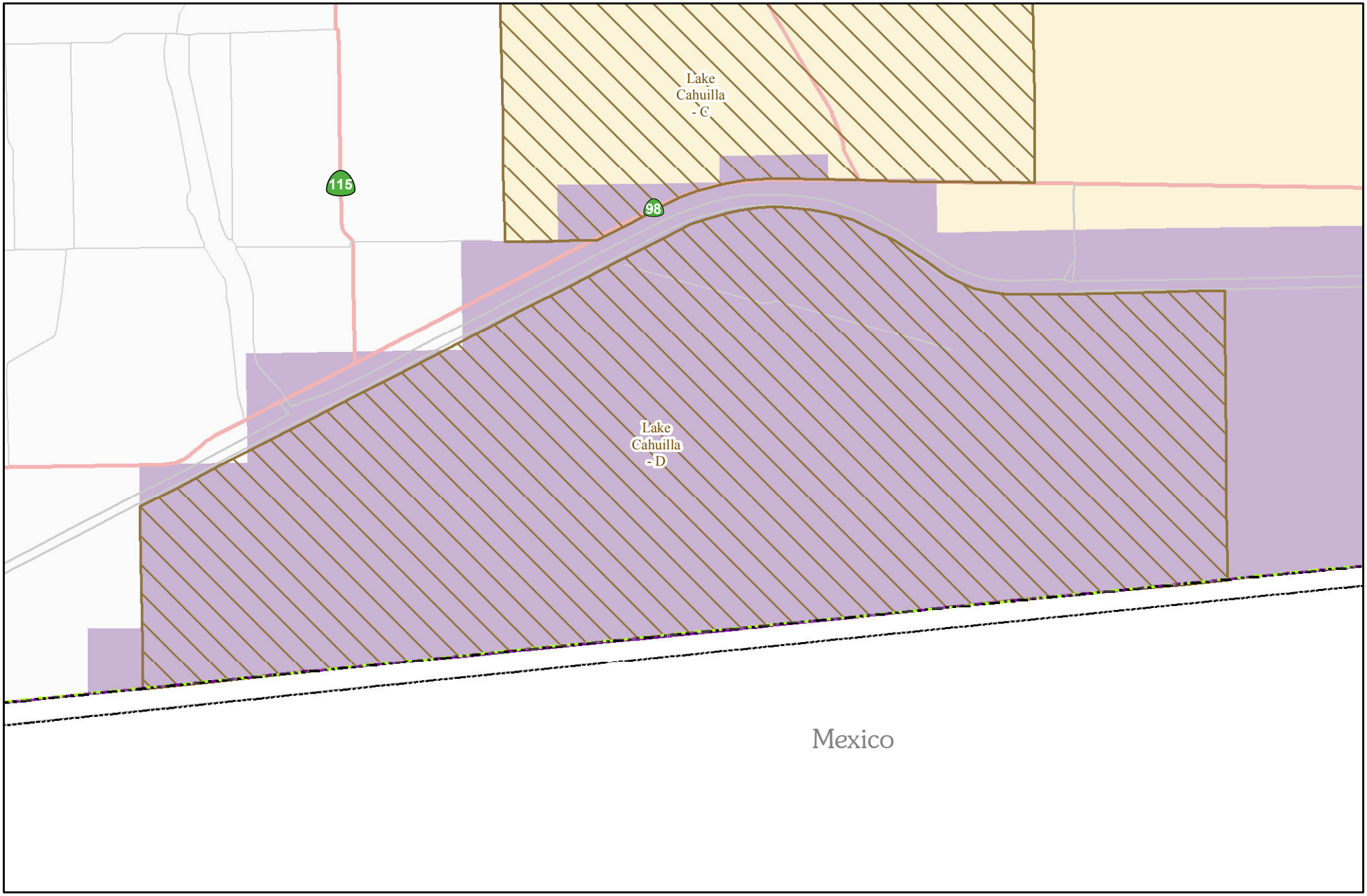
- County Hwy



Lake Cahuilla - D



0.85 Miles

1 Kilometers

N

No Action ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

- Existing ACEC
- OHV Areas
- Legislatively and Legally Protected

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Land Status

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GTLF

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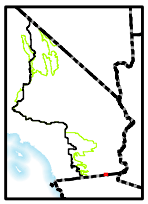


North Algodones Dunes National Natural Landmark (NNL)

Description/Location: A portion of the Imperial Sand Dunes, this unit is bordered to the south by Highway 78, on the west by the Coachella Canal, on the east by the Southern Pacific Railroad and the Niland /Glamis Road, and on the north by Mammoth Wash, and almost entirely overlaps designated wilderness.

Nationally Significant Values:
Ecological: This outstanding dune ecosystem and its endemic dune plants and invertebrate species set this site apart globally. It is one of the best and largest dune systems in the United States.

Special Designations/Management Plan/Date: ACEC Plan No. 95, 1989

Relevance and Importance Criteria: Relevant biological and geologic resources. This outstanding dune ecosystem and its endemic dune plants and invertebrate species set this site apart globally. Dozens of insect species are found only in the Algodones Dunes. The area is an important wintering area for raptors and a haven for neotropical migratory birds crossing the Sonoran Desert.

Goals: Protect significant cultural and natural resources found within the ACEC while providing for other uses compatible with the protection and enhancement of these resources

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

Designation and Acreage by Alternative:

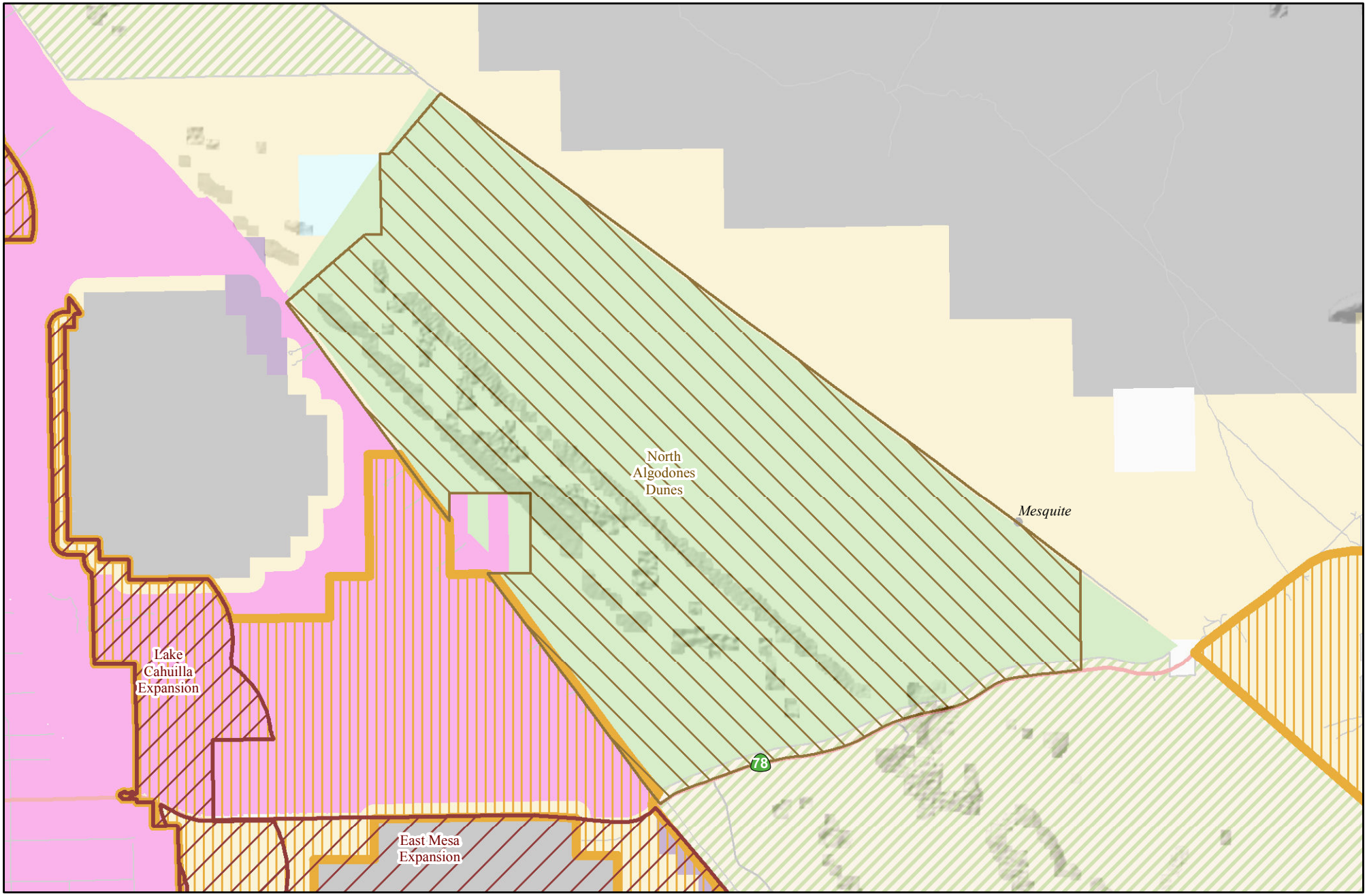
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	25,7000	0	NA
Preferred Alternative	100	25,700	0	1%
1	0	25,700	0	1%
2	25,700**	25,700	0	1%
3	100	25,700	0	1%
4	100	25,700	0	1%

*** Acreage values are for BLM managed lands**
**** Includes overlap of existing designated Wilderness**

Alternatives –
All Alternatives – this existing ACEC would continue to be managed as it currently is. North Algodones Dunes overlaps designated wilderness. While the Bureau in general proposes to remove dual designations, for this particular set, the dual designation will remain.

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
Objective: Maintain diverse and representative plant species and associations Management Action: Monitor and protect populations and their habitats of the following rare plant species: Peirson's Milk-Vetch (*Astragalus magdalenae* var. *peirsonii*) Wiggins' Croton (*Croton wigginsi*) Ribbed Cryptantha (*Cryptantha costata*) Algodones Dunes Sunflower (*Helianthus niveus* spp. *tephrodes*) Slender Cottonheads (*Nemacaulis denudata* var. *gracilis*) Giant Spanish-Needles (*Palafoxia arida* var. *gigantea*) Sand Food (*Pholisma sonorae*)	Vegetation (incl. special status species)
Objective: Maintain diverse and representative animal species Management Action: Monitor , as needed, endemic wildlife species and protect the respective habitat of: **Insects** *Microbembex elegans*, *Stictiella villegasi*, *Perdita algodones*, *Perdita glamis*, *Dasymutilla nocturna*, *Dasymutilla imperialis*, *Sphaeroptthalma django*, Algodones sand jewel beetle (*Lepismadora algodones*) , Algodones white wax jewel beetle (*Prasinalia imperialis*), Algodones croton jewel beetle (*Agrilus harenus*), Roth's dune weevil (*Trigonoscuta rothi*), Carson's Dune Beetle (*Anomala carlsoni*), Hardy's dune Beetle (*Anomala hardyorum*), Andrews' dune scarab beetle (*Pseudocotalpa andrewsi*), *Cyclocephala wandae*, etc. **Vertebrates** Burrowing Owl (*Athene cunicularia*) – BLM Sensitive Crissal Thrasher (*Toxostoma crissale*) – BLM Sensitive LeConte's Thrasher (*Toxostoma lecontei*) Loggerhead Shrike (*Lanius ludovicianus*) Flat-tailed Horned Lizard (*Phrynosoma mccallii*) – BLM Sensitive Colorado Desert Fringe-toed Lizard (*Uma notata*) – BLM Sensitive	Fish and Wildlife (incl. special status species)
Objective: Protect and monitor cultural resources. Allocation: No OHV use within one mile of cultural resources except on allowed roads. Management Action 1: Perform route restoration to erase illegal routes.	Cultural Resources
Objective: Protect characteristic landscape of the conservation lands and ACEC. Management Actions: Avoid impacts to characteristic landscape by managing to appropriate VRM class. Apply visual mitigation techniques.	Visual Resources
Management Action: Maintain and aggressively enforce motor vehicle closure	Trails and Travel Management
Management Action: Enhance non-motorized recreation opportunities by developing maps of trails, animal and plant lists, watchable wildlife stations, etc.	Recreation
Closed to all renewable energy. Closed to Geothermal leasing and development	Renewable Energy

North Algodones Dunes



2 Miles

3 Kilometers

N

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
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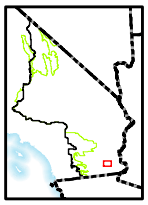
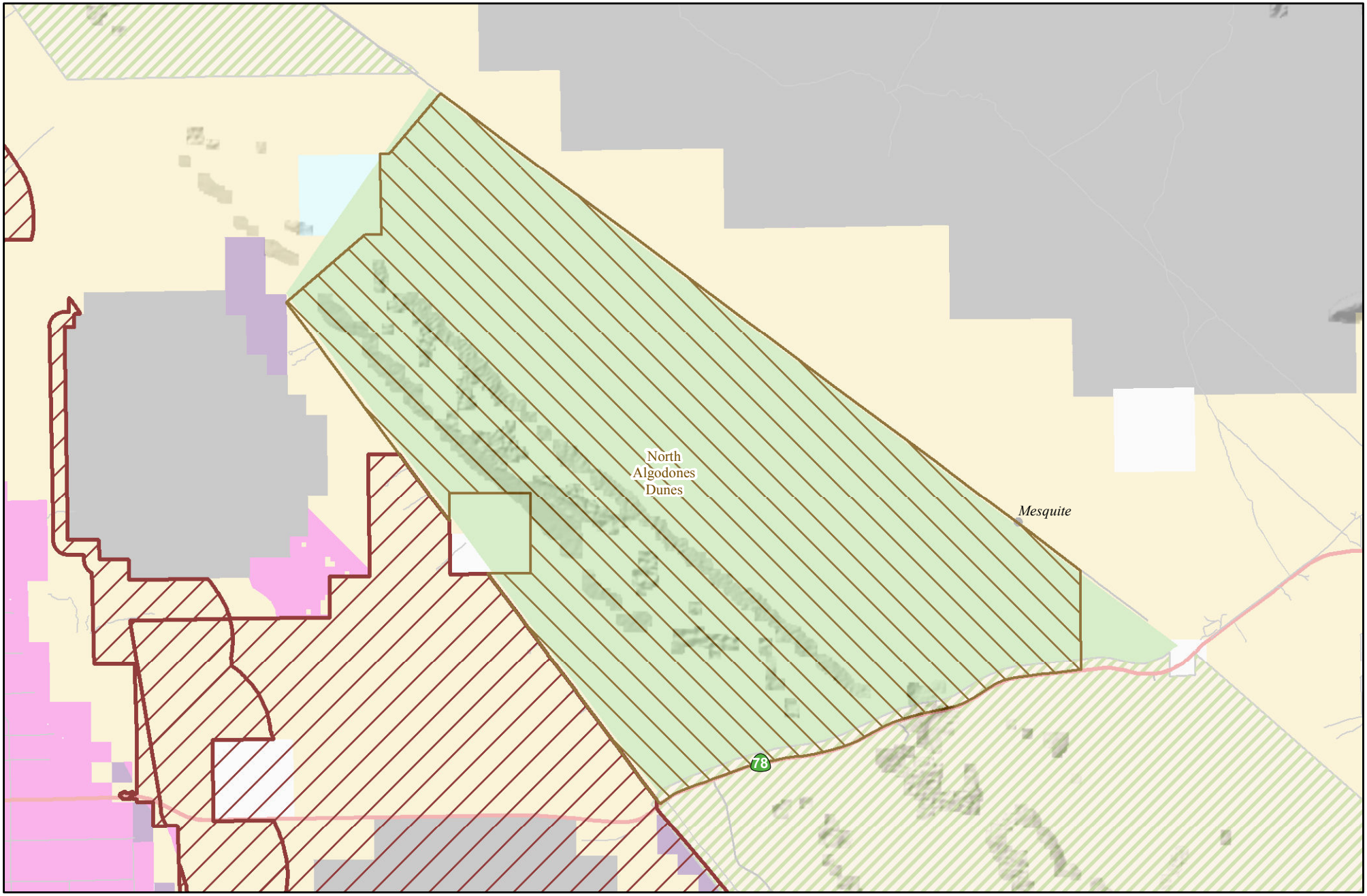


North Algodones Dunes



2 Miles

3 Kilometers

N

Alternative 1 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
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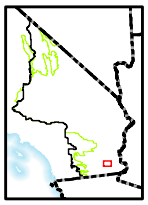
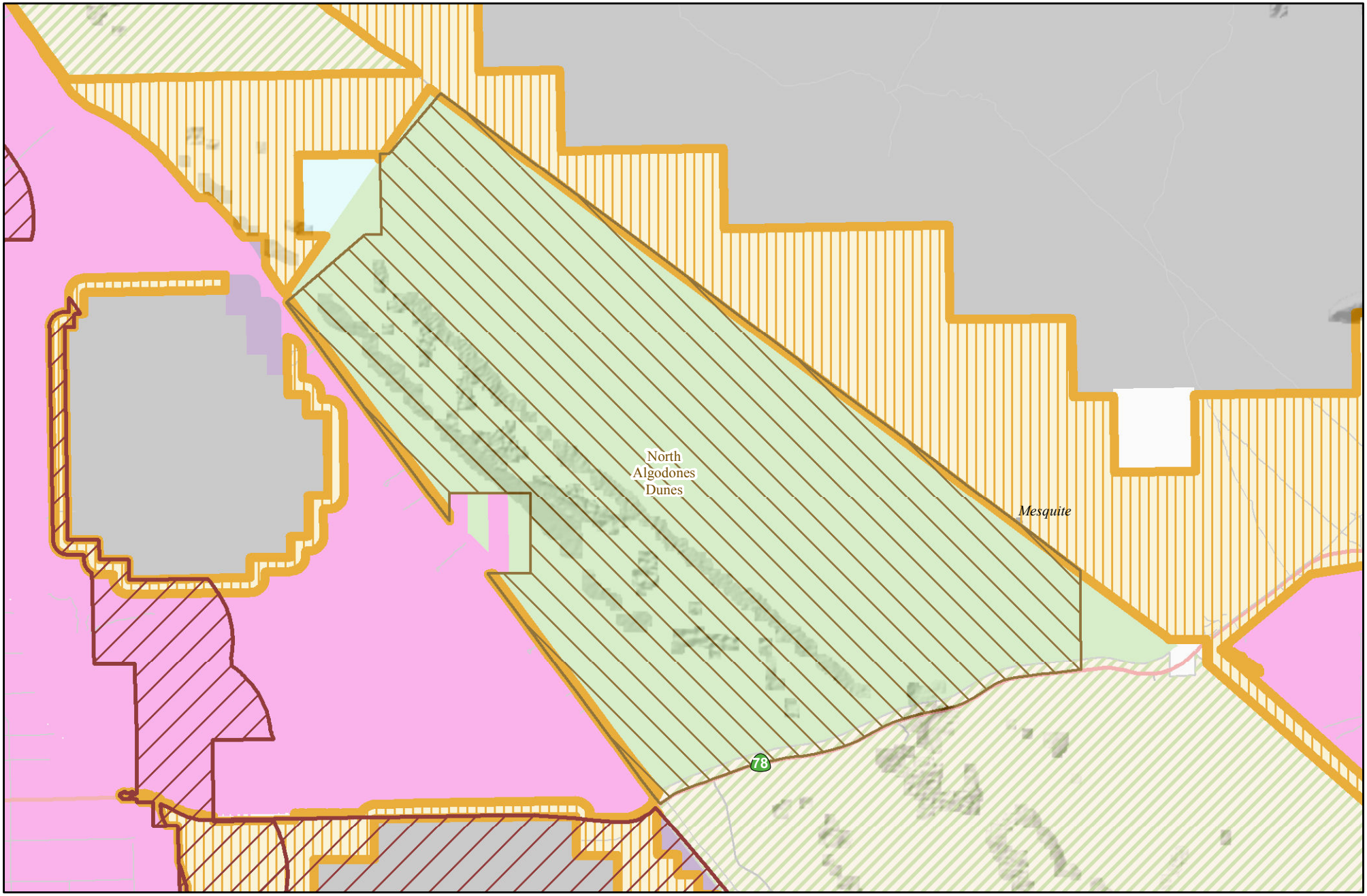


North Algodones Dunes



2 Miles

3 Kilometers

N

Alternative 2 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

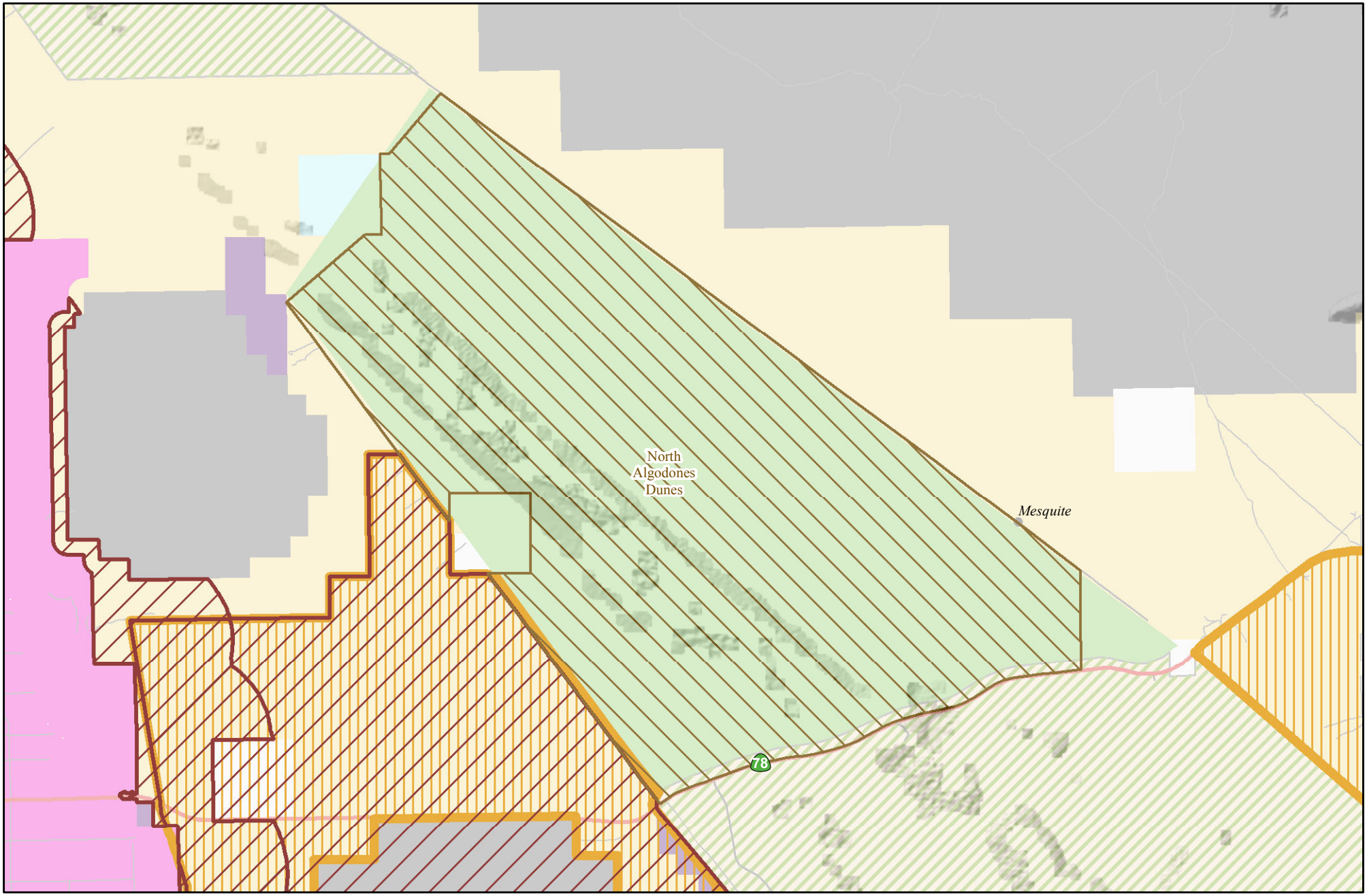
Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

North Algodones Dunes



2 Miles

3 Kilometers

N

Alternative 3 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

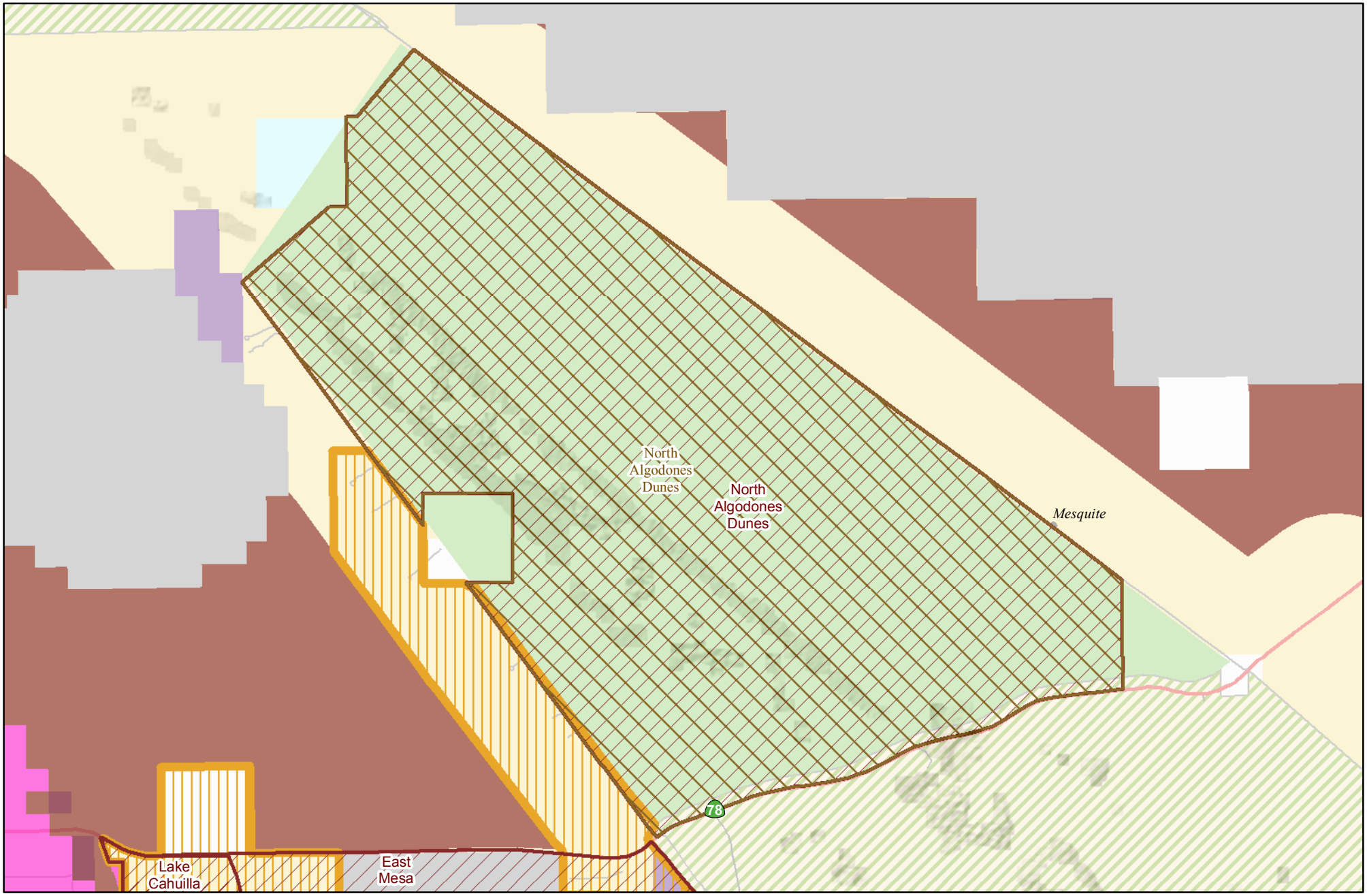
Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

North Algodones Dunes



2 Miles

2.5 Kilometers

N

Alternative 4 ACECs

Date Printed: 8/6/2014

Prepared by BLM California State Office

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

Pilot Knob

Description/Location: This unit is located in southeastern Imperial County adjacent to the California-Arizona-Mexico border.

Nationally Significant Values:
Cultural: Rare and unusual collections of archaeological sites and features, including geoglyphs and petroglyphs are found within the Pilot Knob ACEC. Many of these sites are listed in the National Register of Historic Places (NRHP). Pilot Knob itself plays a special role in Native American spiritual and traditional culture and is important to the heritage and ethnic identity of the Quechan, Cocopah, and other Indian tribes.

Scientific: Prehistoric archaeological sites with scientific information potential that make them eligible for listing in the NRHP are located within this ACEC.

Special Designations/Management Plan/Date: ACEC Plan #73/1982

Relevance and Importance Criteria: Relevant cultural resources. The Pilot Knob ACEC contains cultural resources and Native American values which require special management attention. The pristine environment of these values is potentially threatened by visitor use and degredation resulting from casual use.

The values within the ACEC are unique in character. Few cultural resources are located in the southern California Desert which compare to those found within Pilot Knob. Native American concerns are highly significant and relate to Indian heritage values and ethnic identity. The relationship between both resource values marks the ACEC as a special place.

Goals: To protect cultural resources and Native American values while providing for compatible recreational opportunities.

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

Designation and Acreage by Alternative:

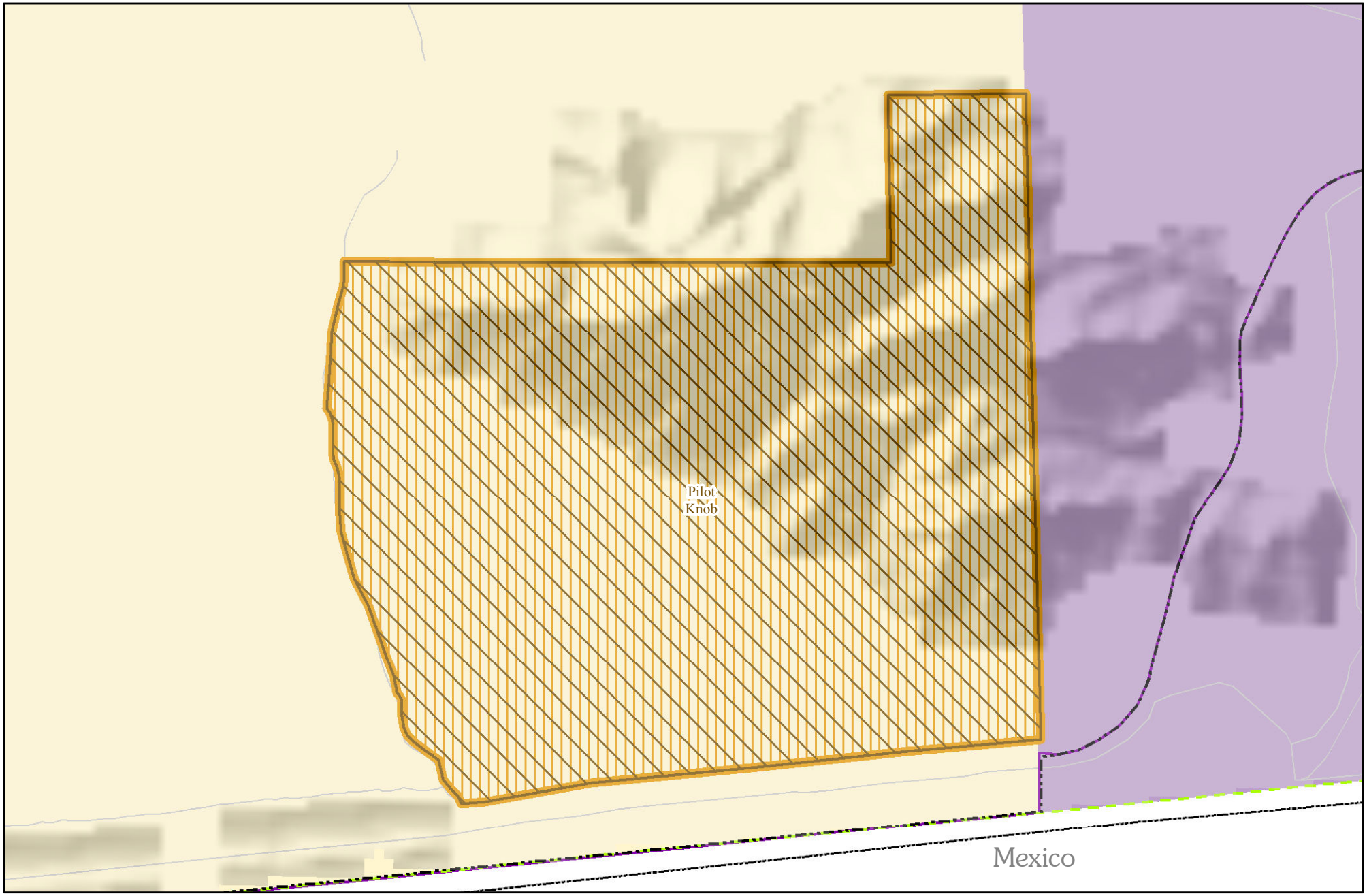
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	900	0	NA
Preferred Alternative	900	900	0	1%
1	0	900	0	1%
2	900	900	0	1%
3	0	900	0	1%
4	900	900	0	1%

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

Alternatives : All Alternatives – this existing ACEC would continue to be managed as it currently is.	
Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Minimize soil disturbance. Objective: Manage the ACEC with the standards for CO, H2S, visibility-reducing particles, and attainment for other criteria in accordance with the standards set by the Imperial County Air Pollution Control District. Management Actions: Coordinate with the Imperial County Air Pollution Control District.	Soil, water, air
Objective: Wildlife species diversity is expected to be relatively low. Species anticipated in the area include but not limited to desert tortoise, burrowing owl, kit fox, and couch's spadefoot toad. Management Actions: Wildlife will benefit from any habitat protection management. Because of the low species diversity and density, and the probable absence of rare species, no specific management recommendations have been proposed for wildlife benefit.	Fish and Wildlife (incl. special status species)
See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Objective: Provide for highest level of protection of cultural resources and preservation of Native American values. Management Action: Conduct regular ranger patrols and surveillance. Management Action: Install informative signage and kiosks to ensure the public is aware of restrictions. Management Action: Consult with local Indian tribes and knowledgeable traditional practitioners regarding the cultural resource values present within the ACEC. Management Action: Compile and synthesize existing archaeological data on the area and the artifacts that are of spiritual and cultural importance to Native Americans. Management Action: Continue to monitor the fencing around the ACEC to ensure it is protecting the fragile resources. Management Action: Coordinate with Border Patrol.	Cultural Resources
Objective: Ensure the general management and protection of paleontological resources consistent with the Paleontological Resources Preservation Act and the Omnibus Act. Management Action: Conduct a paleontological assessment to determine the paleontological potential of the area. Management Action: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed.	Paleontology
Objective: Maintain the existing characteristic landscape. Management Actions: Mitigate changes to characteristic landscape through the applicable VRM management class prescriptions.	Visual Resources

Objective: Protect fragile cobble surfaces and additional cultural resources from OHV incursions. Management Action: Prohibit camping in the ACEC. Management Action: Increase ranger patrols and other BLM personnel visits to the area. Management Action: Monitor the creation of illegal routes and perform route restoration as needed.	Trails and Travel Management
Objective: Educate public on the significance and fragility of cultural resources and Native American values Action: Develop educational or interpretive program including a slide-tape presentation Objective: Allow compatible recreational activities that can be accommodated while preserving and protecting cultural resources such as hiking, birdwatching, etc. Management Action: Install informative signage and kiosks at various appropriate locations within the ACEC.	Recreation
New proposals will need to be analyzed on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals	Rights of Way
No Renewable Energy Development Geothermal: Area is closed to geothermal leasing and development	Renewable Energy
Objective: Minimize potential impacts from exploration and development of saleable mineral material within Pilot Knob ACEC. Allowable Uses: Oil and gas exploration allowed with stipulations. Permit geothermal explorations with stipulations which protect cultural resources. No active or inactive mining claims. Management Actions: Prohibit extraction of saleable mineral materials including common varieties of sand, stone, gravel, pumice, pumicite, cinder, clay and other mineral materials and petrified wood.	Locatable Minerals Mineral Materials Non-Energy Leasables

Pilot Knob



0.35 Miles

0.5 Kilometers

N

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

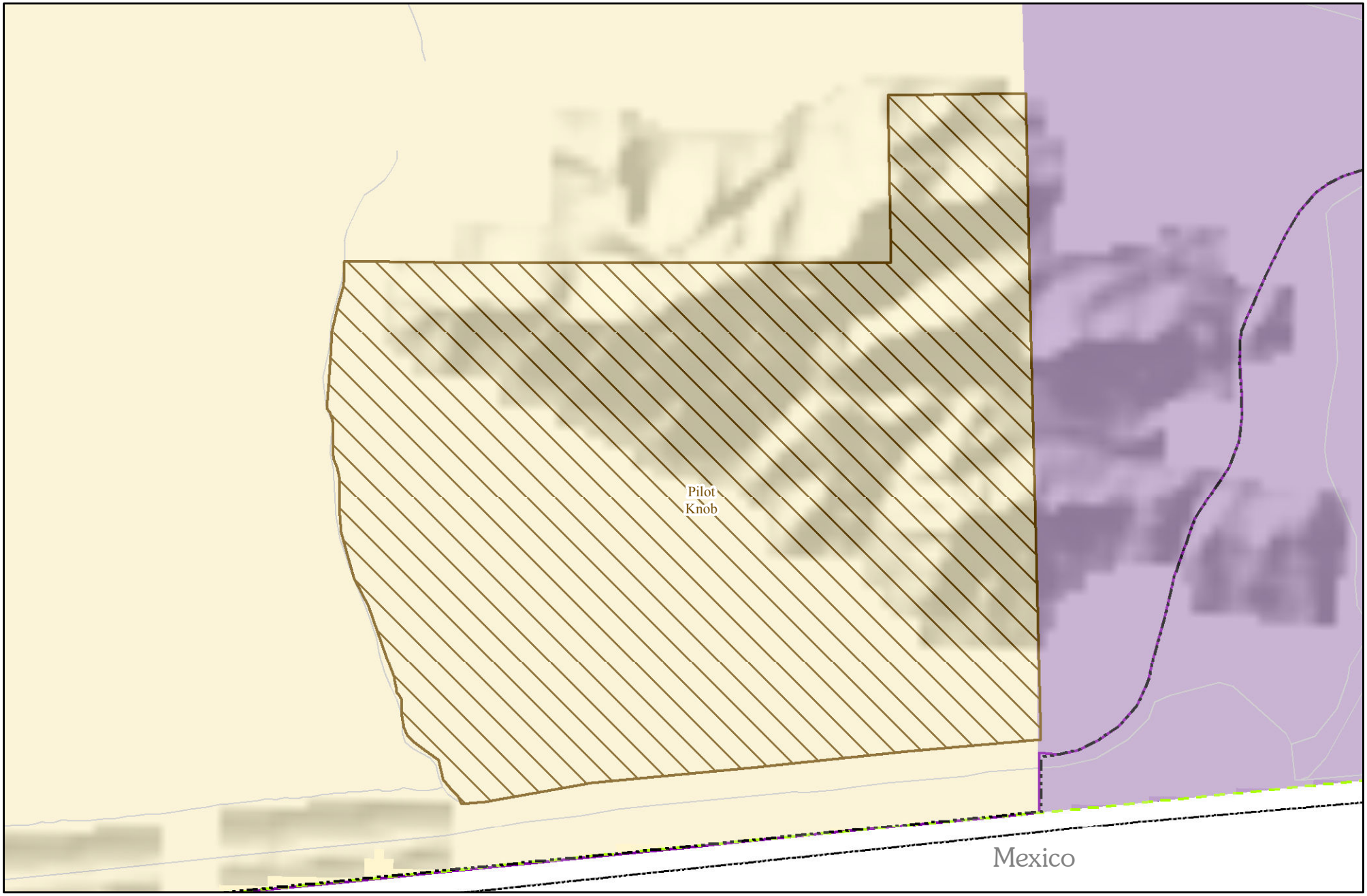
Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

Pilot Knob



0.35 Miles

0.5 Kilometers

N

Alternative 1 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

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- State
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GTLF

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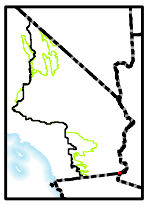
- CA Hwy
- County Hwy



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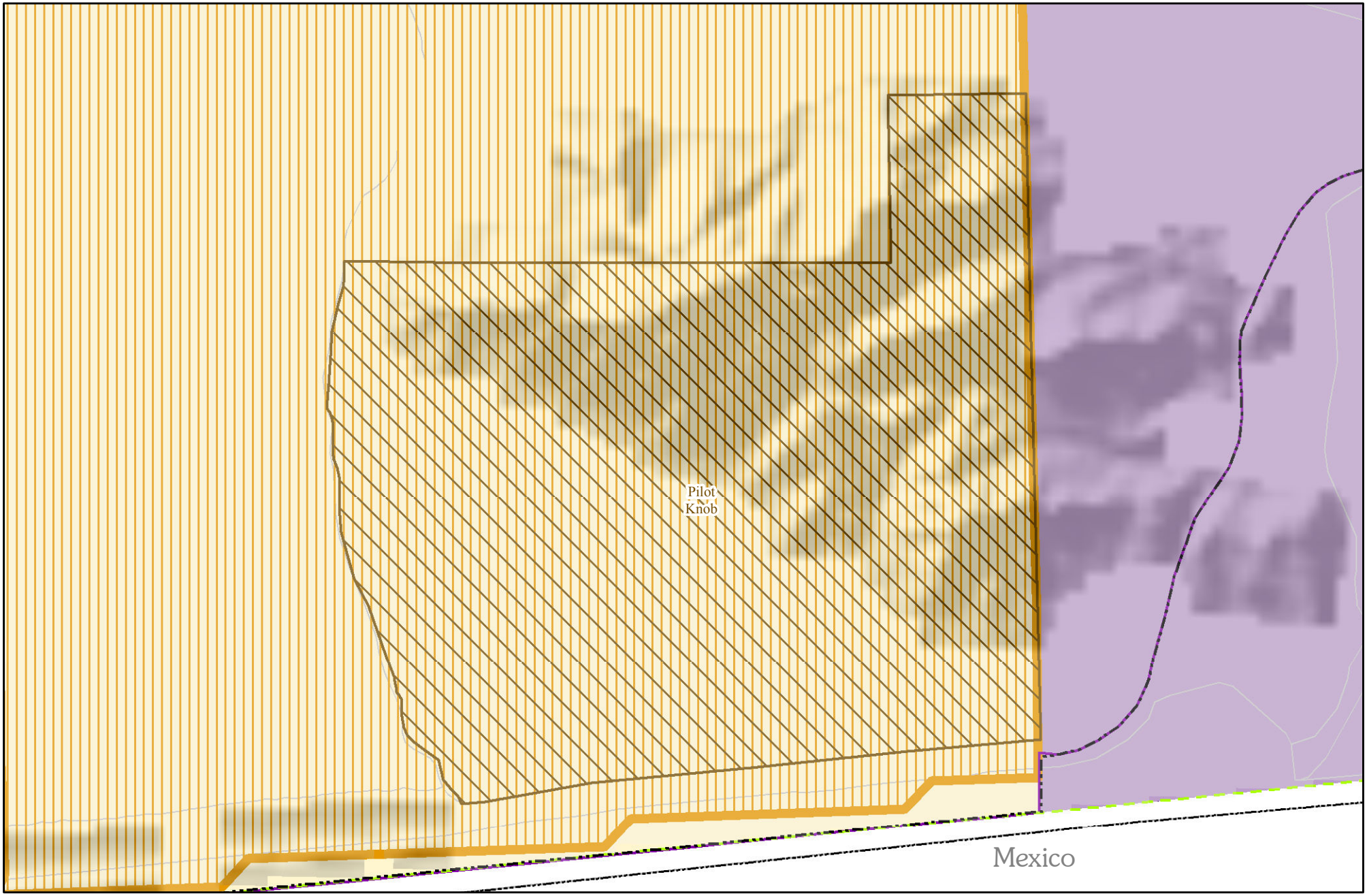


0.35 Miles

0.5 Kilometers

N

Alternative 2 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

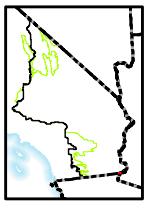
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



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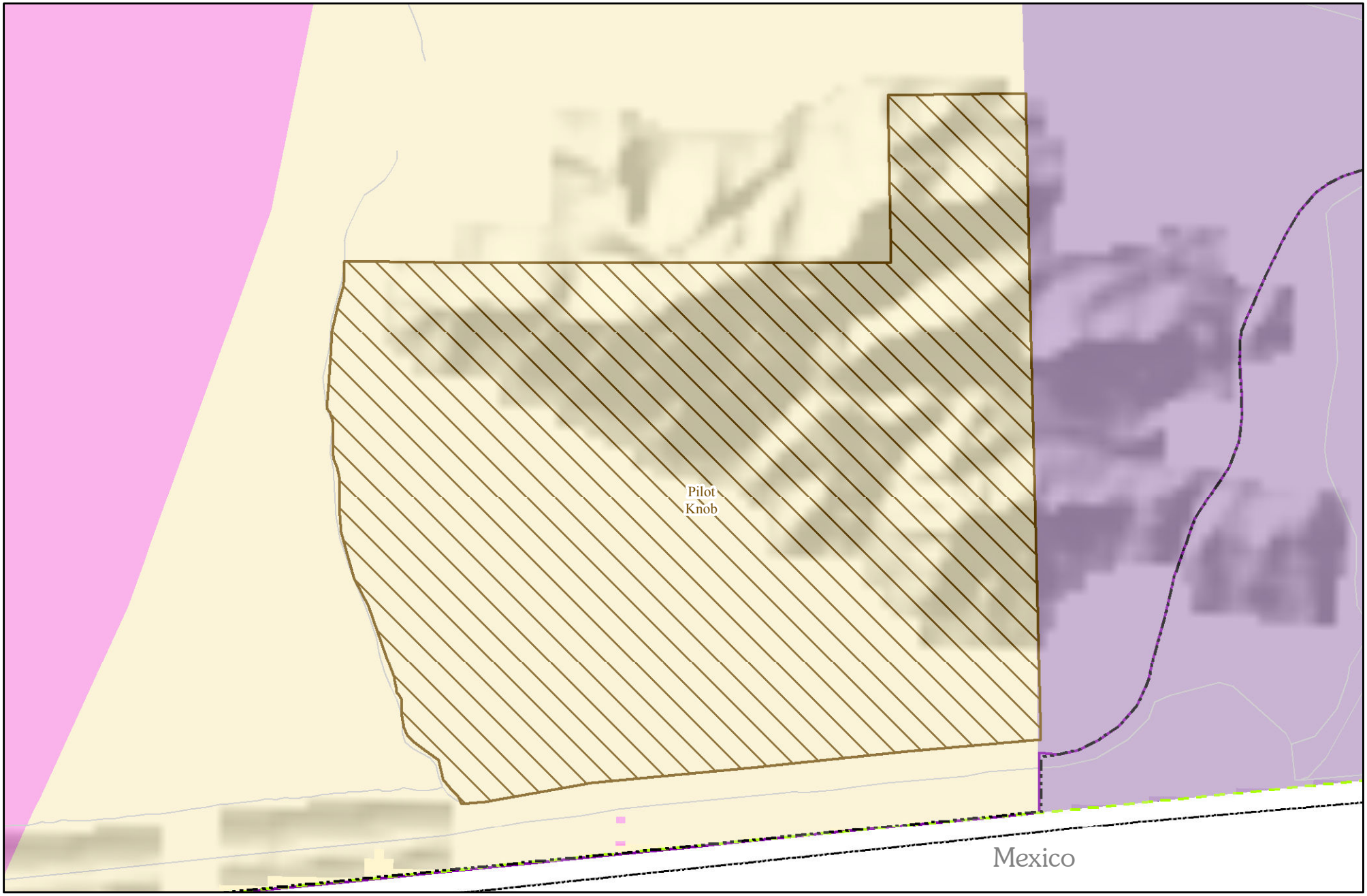


0.35 Miles

0.5 Kilometers

N

Alternative 3 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

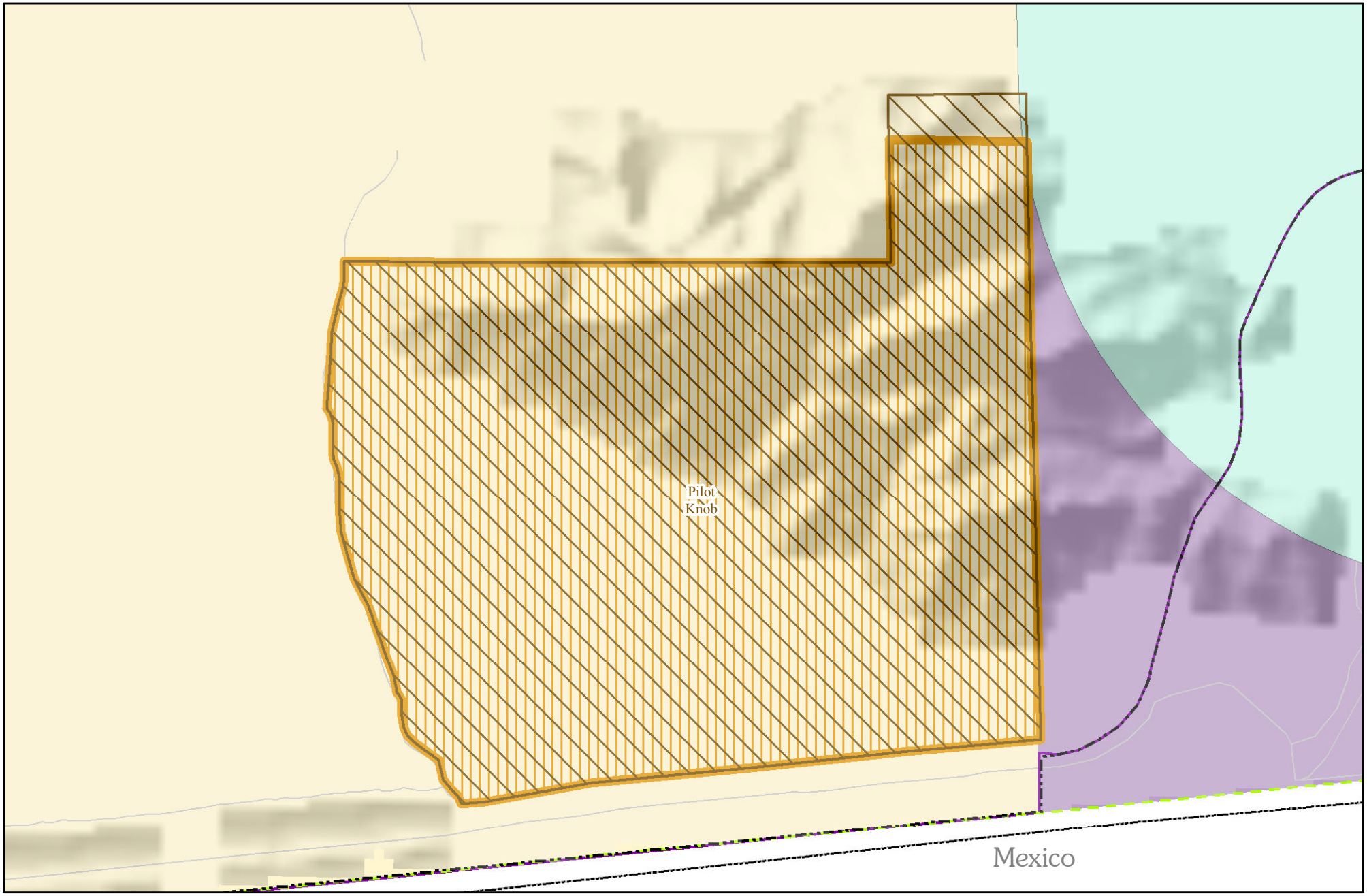
Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

Pilot Knob



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0.5 Kilometers

N

Alternative 4 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

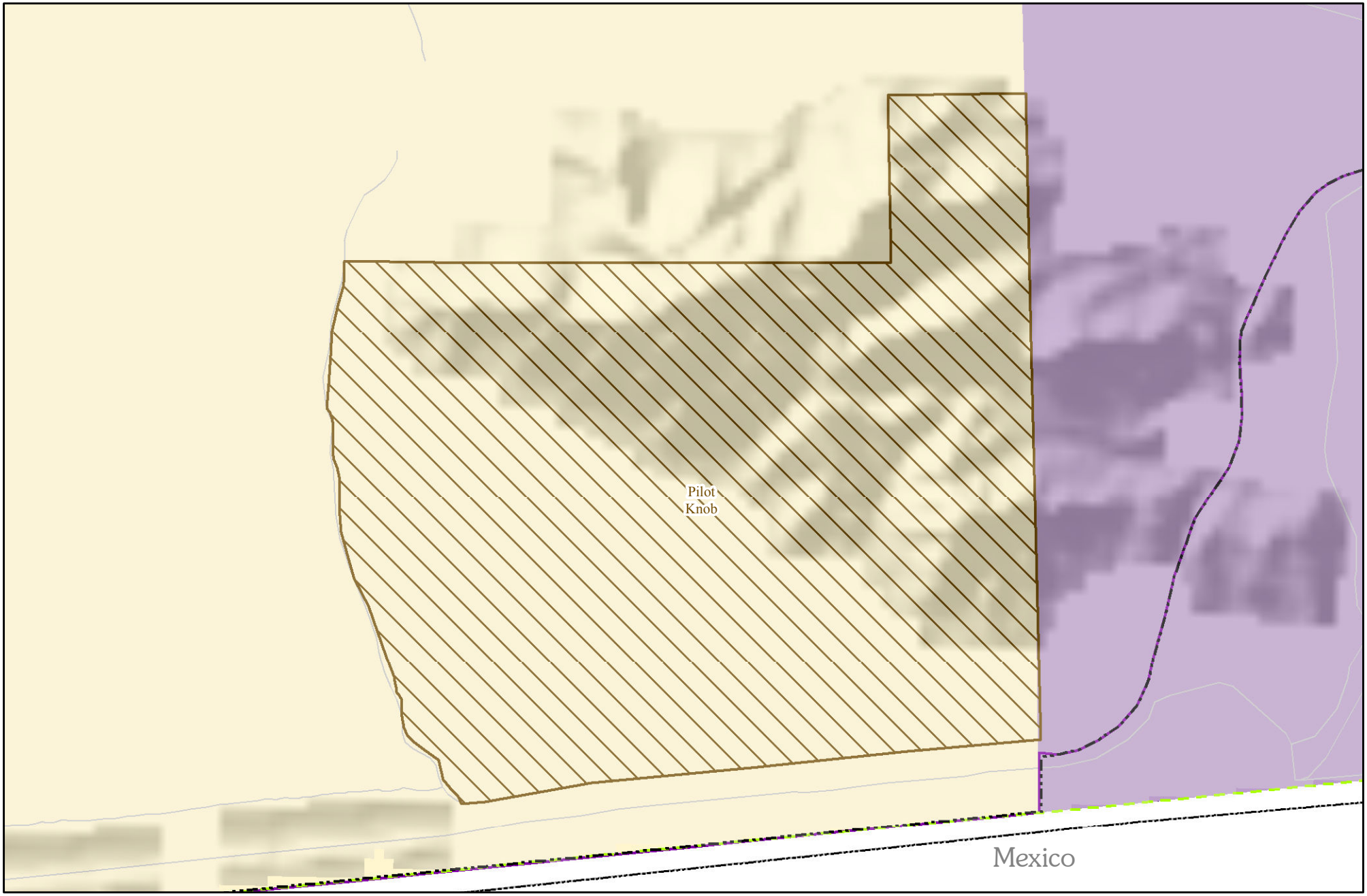
Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

Pilot Knob



0.35 Miles

0.5 Kilometers

N

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

Plank Road
Description/Location: This unit is located in south central Imperial County, at the western edge of the Imperial Sand Dunes, between I-8 and the international border. **Nationally Significant Values:** Cultural: The Plank Road – the only wooden automobile road in existence in the US – was constructed in 1915, in an effort to create a more direct route from Yuma, Arizona to San Diego, California. It was in use until 1926, when the California Highway Commission constructed a paved road (Highway 80) as a permanent solution to maintenance and traffic problems the Plank Road posed. It is currently listed in the California Register of Historic Places and is a California Historical Landmark. It has also been proposed for listing in the National Register of Historic Places (NRHP). **Special Designations/Management Plan/Date:** ACEC Plan #72 Plank Road/ 1985 **Relevance and Importance Criteria**: Relevant cultural resources. Remaining portions of the Plank Road are extremely susceptible to damage. The original documentation prepared for this ACEC in 1979 stated that the Plank Road could be easily protected because of its remote location. Preparers of the CDCA did not foresee the high numbers of users of all-terrain vehicles (ATVs). Today, thousands of people travel to the sand dunes for camping and off-road vehicle recreation. Consequently, the road has suffered heavy losses from vandalism and from uninformed visitors scavenging old planks for firewood. Segments of the ACEC have been damaged from vehicles. The road stands as a tribute to our early accomplishments in transportation technology. The wooden route represents an unusual solution to an early problem of safely crossing the sand dunes. While only a few other examples are known, it is believed that the Plank Road is the only one which still exists. The Plank Road, as a historic resource, is an engineering curiosity and marvel. It is a graphic reminder of Imperial County's heritage. **Goals:** To protect cultural resource values while providing for compatible recreational opportunities. **For NLCS Lands**: Where this ruleset differs from the plan-wide NLCS rulsets, 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	300	0	NA
Preferred Alternative	0	300	0	1%
1	0	300	0	1%
2	300	300	0	1%
3	0	300	0	1%
4	0	300	0	1%

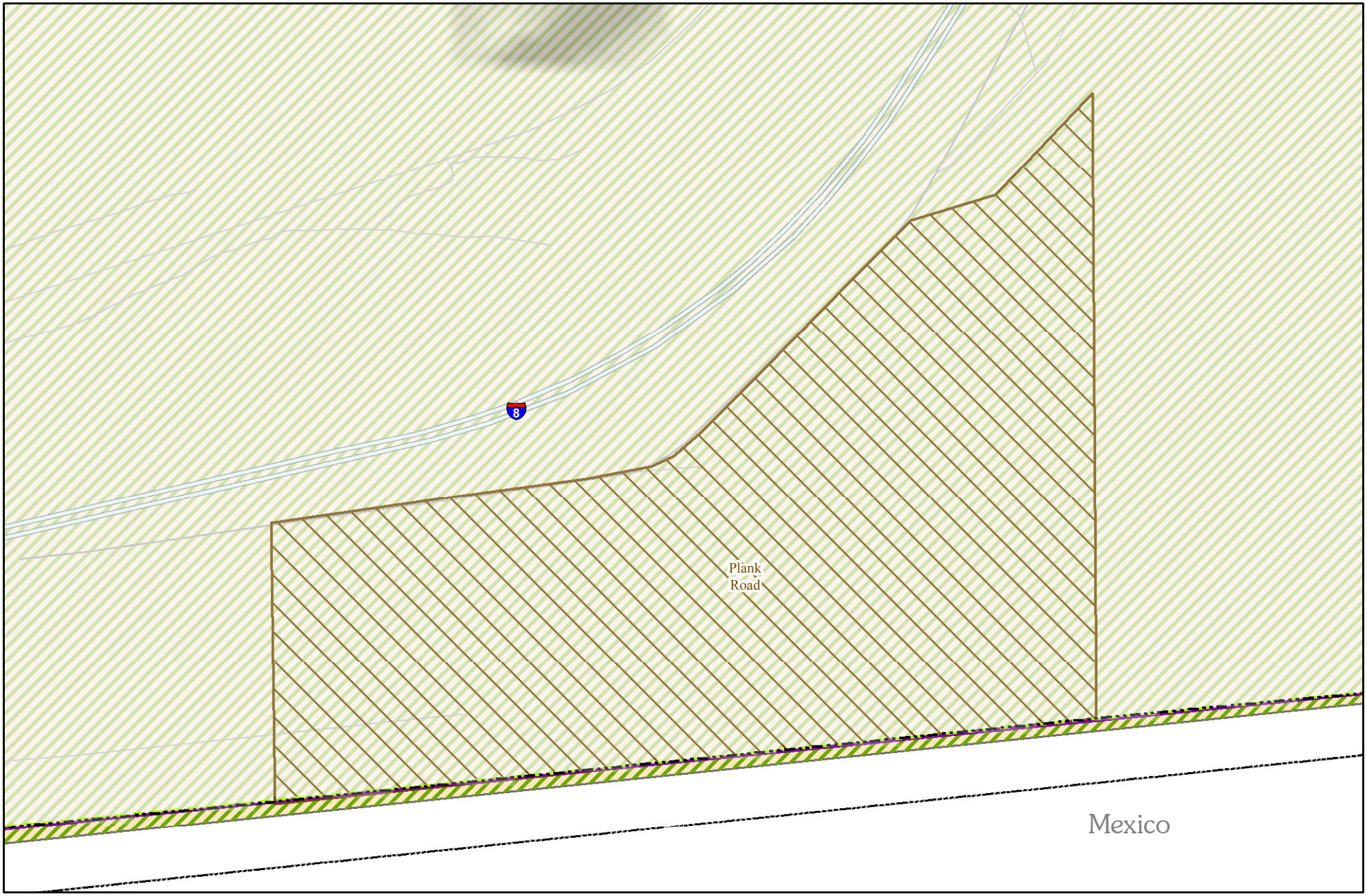
*** Acreage values are for BLM managed lands**

Alternatives:
All Alternatives – this existing ACEC would continue to be managed as it currently is.

Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Minimize soil disturbance. Preserve existing air quality. Management Actions: Coordinate with the Imperial County Air Pollution Control District.	Soil, water, air
Giant Spanish needle, Desert sunflower, Wiggin's croton – rare plants Pierson's milkvetch – federally listed as threatened Objective: Conserve and/or recover ESA-listed species and the ecosystems on which they depend so that ESA protections are no longer needed for these species. Management Action: Initiate proactive conservation measures that reduce or eliminate threats to BLM sensitive species to minimize the likelihood of and need for listing of these species under the ESA.	Vegetation (incl. special status species)
Andrew's Dunes Scarab Beetle, Couch's Spadefoot Toad exist as well as many other associated with the Dunes RMP Objective: Conserve and/or recover ESA-listed species and the ecosystems on which they depend so that ESA protections are no longer needed for these species. Management Action: Initiate proactive conservation measures that reduce or eliminate threats to BLM sensitive species to minimize the likelihood of and need for listing of these species under the ESA.	Fish and Wildlife (incl. special status species)

See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Objective: Protect, preserve, and interpret the remaining portions of the Plank Road. Management Action: Monitor existing fencing around the interpretive display. Management Action: Rehabilitate damaged segments of the Plank Road within Grays Well segment or arrest the current decay. Management Action: Clear vegetation growing on road segments. Management Action: Remove and replace old, damaged interpretive signs. Management Action: Redesign interpretive brochure. Management Action: Celebrate and commemorate the Plank Road centennial. Management Action: Conduct regular ranger patrols and surveillance. Management Action: Revise previous nomination package for listing in the NRHP and correct the edits requested by the Keeper. Objective: Preserve separate eastern segment of Plank Road. Management Action: Leave a segment of the Plank Road buried to reduce vandalism. Periodically monitor to ensure it is stable.	Cultural Resources
Objective: Maintain the existing characteristic landscape. Management Actions: Mitigate changes to characteristic landscape through the applicable VRM management class prescriptions.	Visual Resources
Motorized open OHV area	Trails and Travel Management
Objective: Educate public on the significant cultural and historic values of the Plank Road. Management Action: Continue to implement interpretive programs and upgrade existing interpretive infrastructure including waysides, signs, and brochure. Objective: Create Plank Road Interpretive Center rest area Management Action: Coordinate with California Department of Transportation.	Recreation
Multiple ROWs – transmission lines, highways and an irrigation canal. New proposals will need to be analyzed on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals	Rights of Way
No Renewable Energy Development Geothermal: Area is closed to geothermal leasing and development	Renewable Energy
Current Condition: Withdrawn from mineral entry Objective: Continuous withdrawal from mineral entry. Allowable Uses: The nearest sand and gravel operation is located several miles away and has since been abandoned. The Sand dunes in this area contain little economic interest. Management Action: Continuous restriction on filling of mining claims in the area thus preventing mineral exploration and development.	Locatable Minerals Mineral Materials Non-Energy Leasables

Plank Road



0.2 Miles

0.3 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

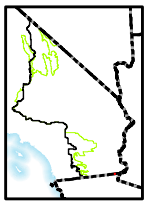
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

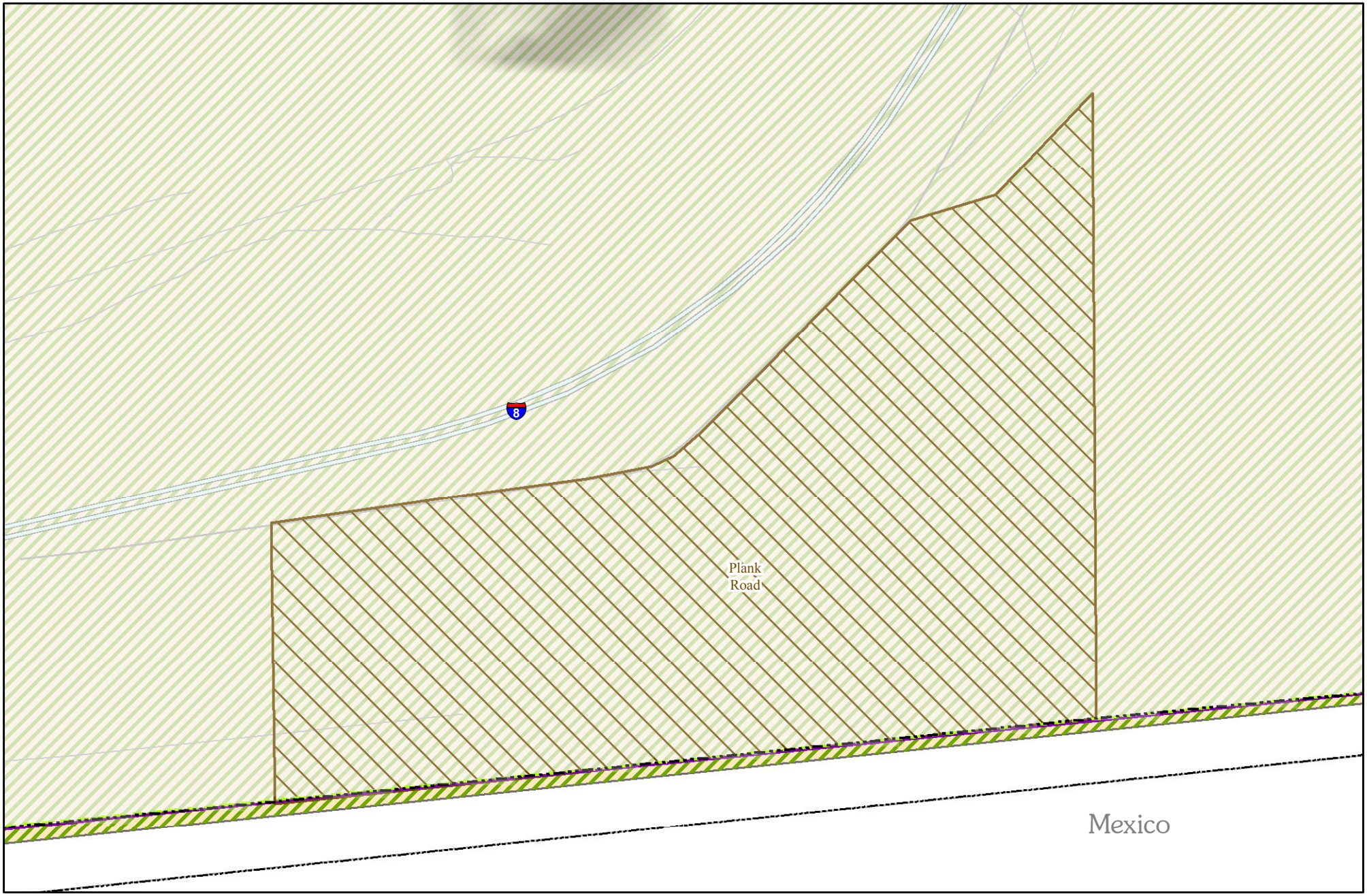
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Plank Road



0.2 Miles

0.3 Kilometers

N

Alternative 1 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
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Land Status

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GTLF

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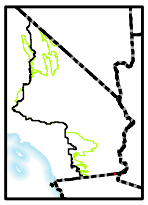
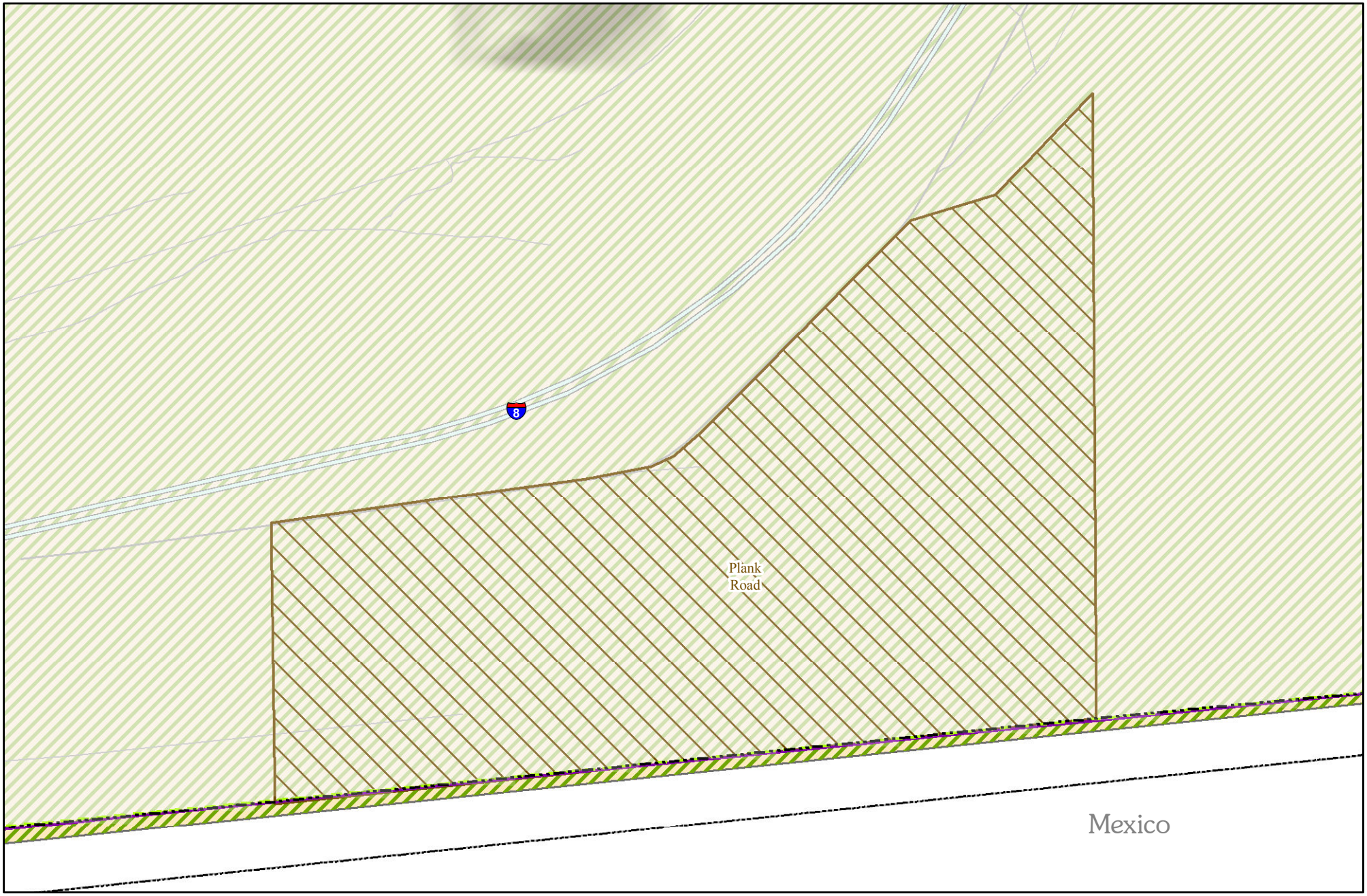


Plank Road



0.2 Miles

0.3 Kilometers

N

Alternative 2 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

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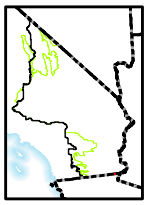
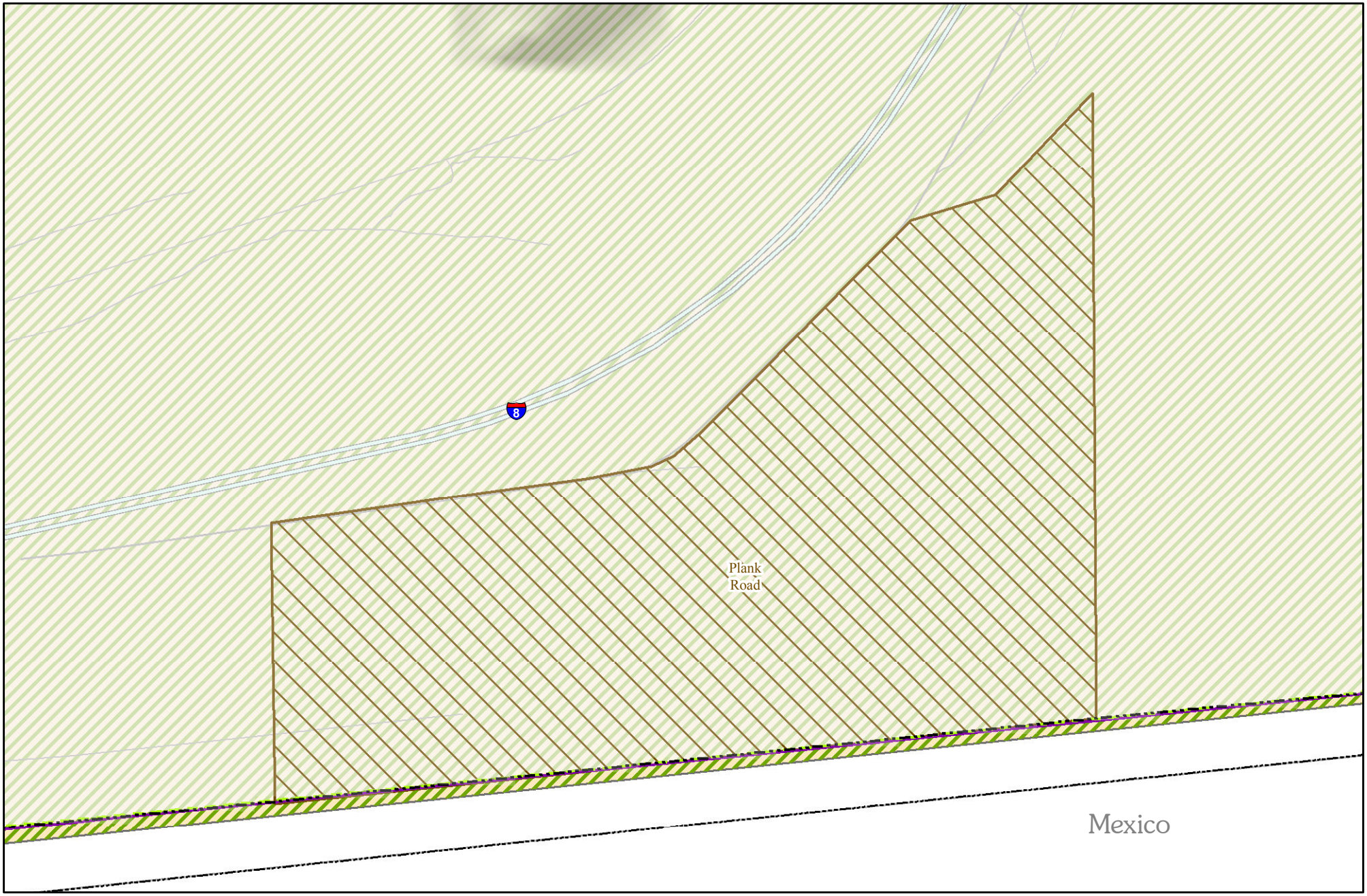
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Plank Road



0.2 Miles

0.3 Kilometers

N

Alternative 3 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
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- Cities
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- DRECP Boundary
- BLM Field Office

Land Status

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- Military
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GTLF

- Interstate
- US Hwy
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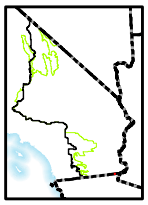
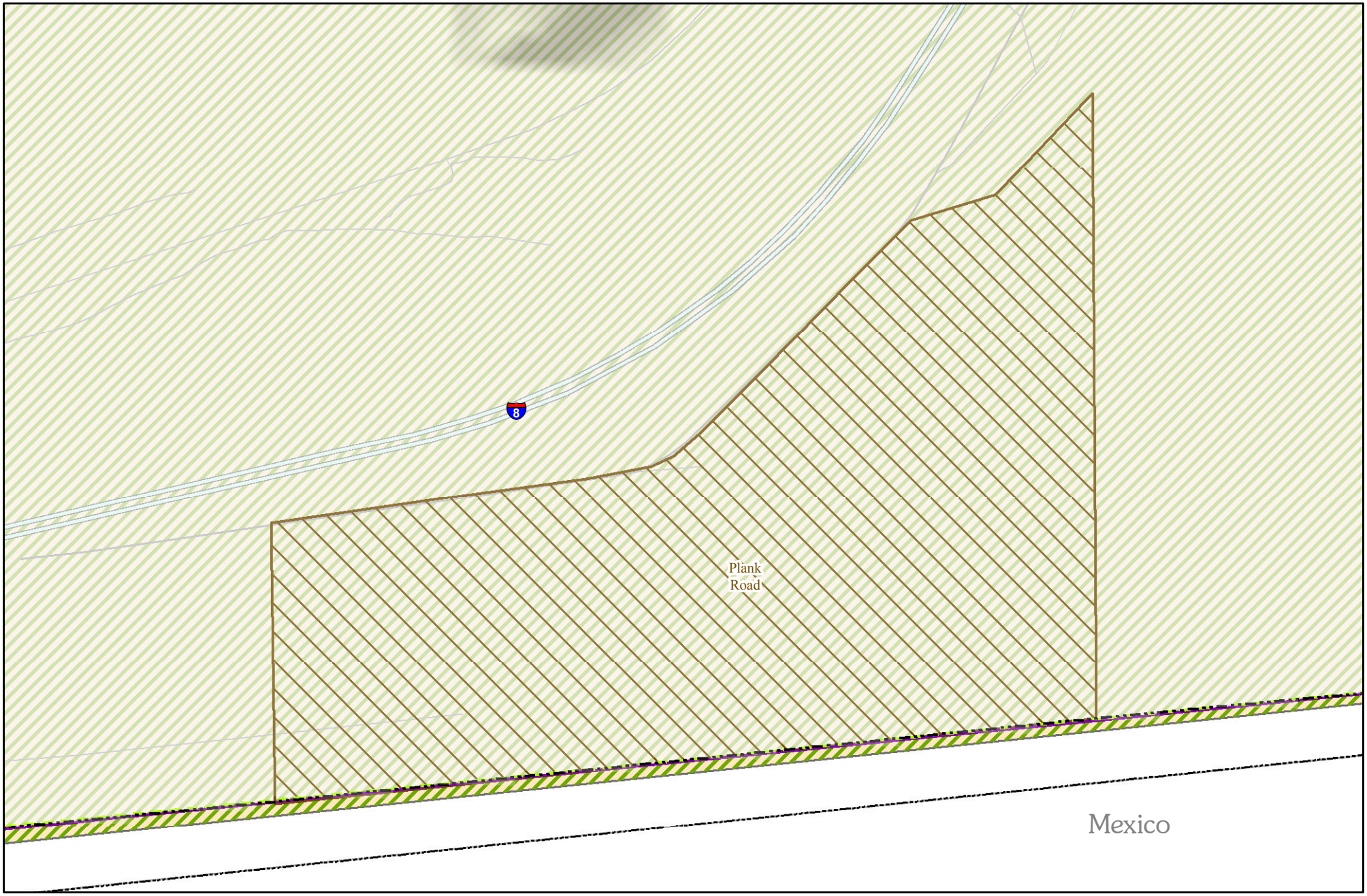


Plank Road



0.2 Miles

0.3 Kilometers

N

Alternative 4 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

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GTLF

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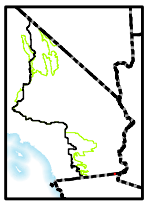
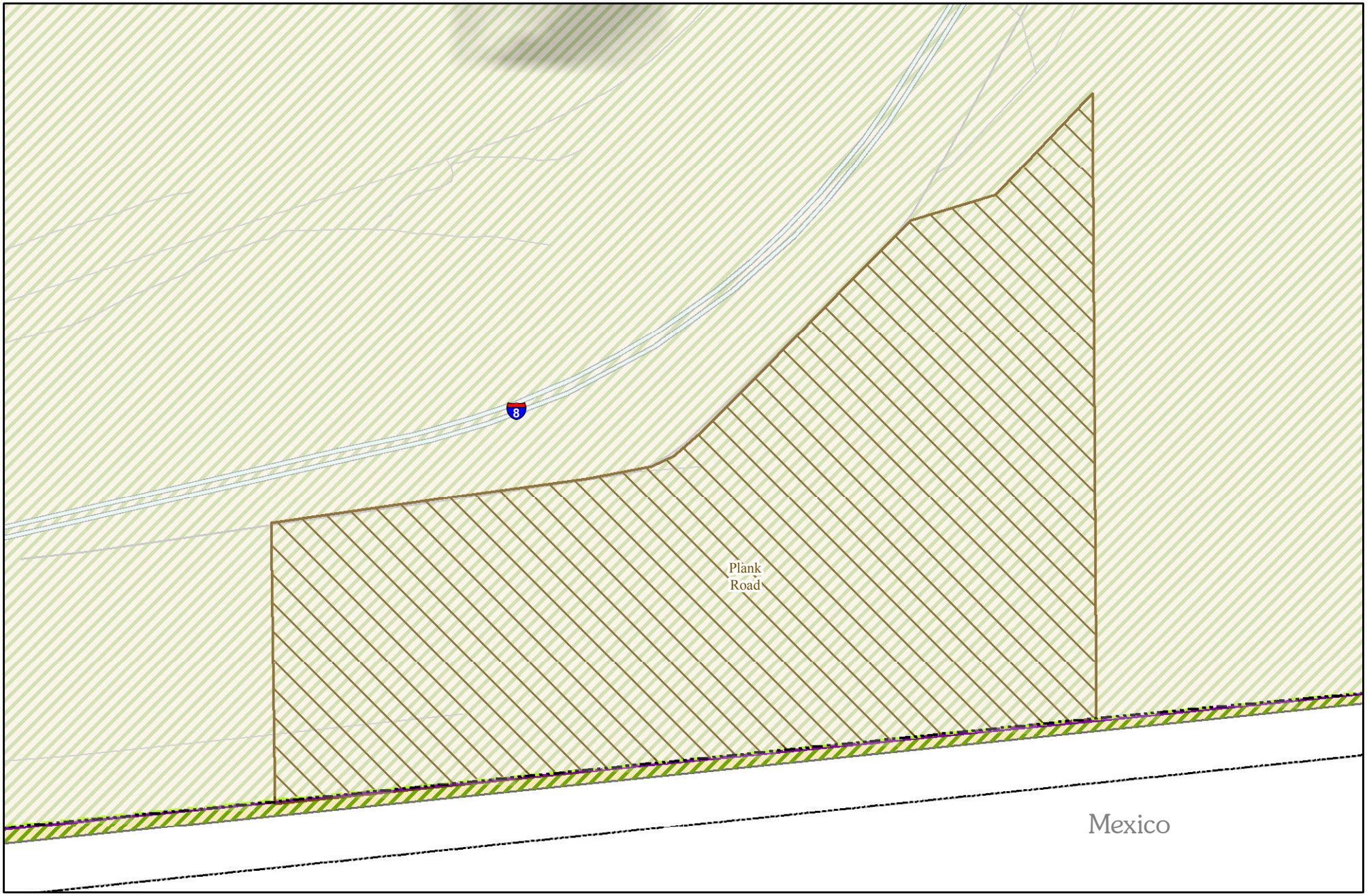


Plank Road



0.2 Miles

0.3 Kilometers

N

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

San Sebastian Marsh-San Felipe Creek
Description/Location: The unit is located in western Imperial County, bounded on the north by Highway 78, on the east by State Highway 86, on the southeast by the Superstition Hills and on the south and west by Lower Borrego Valley. **Nationally Significant Values:** Ecological: The conservation lands and ACEC are the only designated Critical Habitat for the federally listed endangered desert pupfish and the perennial stream and salt marsh habitat justify it as nationally important. Other special status species can be found at San Sebastian Marsh-San Felipe Creek, including the flat-tailed horned lizard. The conservation lands would provide connectivity with the proposed West Mesa conservation lands to the south. Cultural: The proposed conservation lands and ACEC hold a rich history of human occupation. Prehistoric and historic use centered on the marsh environment which represented a stable water source in a desert environment. Prehistoric archaeological sites eligible for listing in the National Register of Historic Places (NRHP) including villages, temporary campsites and trails are located within this ACEC. The Juan Bautista de Anza National Historic Trail also passes through this ACEC and one of the important campsites that Anza used is located here. Scientific: Prehistoric and historic archaeological sites with scientific information potential that make them eligible for listing in the NRHP are located within this ACEC. **Special Designations/Management Plan/Date:** ACEC Plan No. 61, 12/01/1986 **Relevance and Importance Criteria**: Relevant biological and cultural resources. San Felipe Creek/San Sebastian Marsh provides a corridor of unique and highly valuable habitat. The portion of the stream between Tarantula Wash and Harper's Well Wash is spring fed and perennial. Even in the driest years, a series of interrupted pools persists. Six primary habitat types occur within the ACEC. These include marsh, creosote bush scrub, mesquite woodland, mesquite dune, alkali sink scrub, and wash community. **Goals:** Protect the wildlife, habitat and cultural resource values of the San Sebastian March-San Felipe Creek ACEC while providing for compatible public uses. Provide for sustained water flow in the San Felipe watershed. **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	6,500	0	NA
Preferred Alternative	6,500	6,500	0	1%
1	6,400	6,500	0	1%
2	6,500	6,500	0	1%
3	6,500	6,500	0	1%
4	6,500	6,500	0	1%

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

Alternatives :
All Alternatives – this existing ACEC would continue to be managed as it currently is.

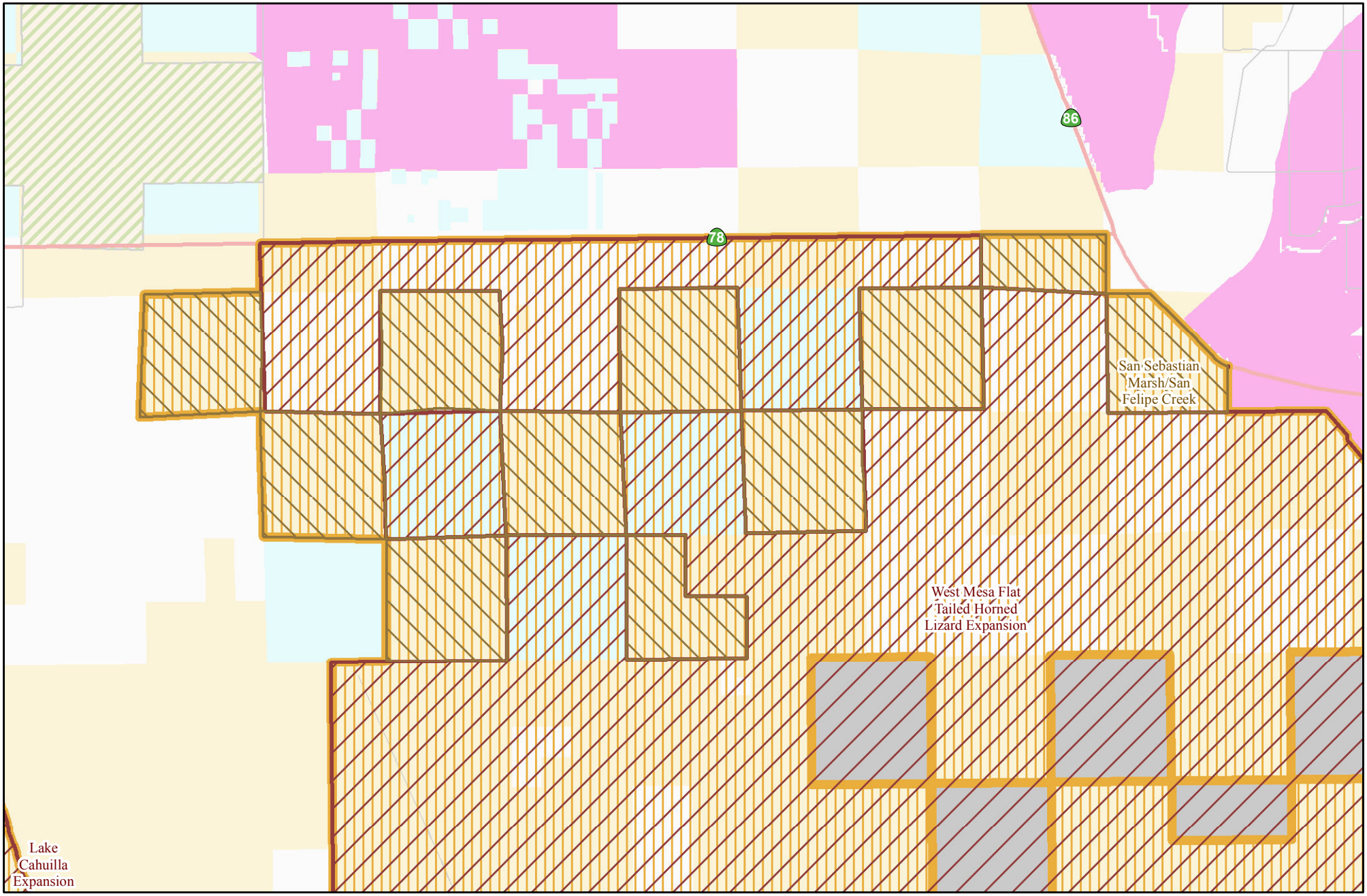
Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Minimize soil disturbance. Objective: Develop a watershed hydrology model for San Felipe Creek to determine effects of factors such as agriculture, precipitation, plant invasions, flooding and seismicity on marsh habitat and stream flow Management Action: Gather hydrology data needed to create models Objective: Maintain and enhance native aquatic species and their habitats of special management concern Management Actions: Enhance aquatic habitats. Install and maintain wildlife guzzler. Objective: Manage the ACEC with the standards for CO, H2S, visibility-reducing particles, and attainment for other criteria in accordance with the standards set by the Imperial County Air Pollution Control District. Management Actions: Coordinate with the Imperial County Air Pollution Control District.	Soil, water, air
Six primary habitat types occur within the ACEC. These include marsh, creosote bush scrub, mesquite woodland, mesquite dune, alkali sink scrub, and wash community. Objective: Protect the following sensitive plant species from unnatural ground disturbance: Salton Milk-Vetch (*Astragalus crotalariae*) (CNPS 4.3)	Vegetation (incl. special status species)

Gravel Milk-Vetch (*Astragalus sabulonum*) (CNPS 2.2) Parish's Club-Cholla (*Grusonia parishii*) (CNPS 2.2) Wiggins' Cholla (*Opuntia wigginsii*) (CNPS 2.2) Thurber's Pilostyles (*Pilostyles thurberi*) (CNPS 4.3) Objective: Control exotic vegetation and promote native vegetation Management Action: Develop a restoration plan with the California Department of Fish and Game for the San Felipe watershed that includes removing of salt cedar (no burning), replacing the tamarisk-occupied area with native riparian shrubs and trees (mesquite especially), and envisions landscape connectivity between the ACEC the BLM lands in the headwaters of the watershed; Management Action: Initiate a program of land acquisition of tamarisk-infested lands upstream of the ACEC to remove tamarisk, revegetate with native species, and halt downstream spread of tamarisk into the current ACEC; Management Action: Work with the other public lands managers in the San Felipe Creek watershed on landscape-level planning to improve the ecological function of the watershed and to enhance the native vegetation.	
Special Status Species: Desert Pupfish (*Cyprinidon macularius*) Colorado Valley Woodrat (*Neotoma albigula venusta*) Flat-tailed horned lizard Crissal Thrasher Le Conte's Thrasher Loggerhead Shrike (*Lanius ludovicianus*) Southern Leopard Frog (*Rana yavapaiensis*) - extirpated Objective: Determine the composition of wildlife and plant species resident within the ACEC. Management Action: Perform wildlife inventories for comparison with the UC-Santa Cruz 1982 inventory. Objective: Control exotic aquatic wildlife species where they are detrimental to native species, especially *Gambusia affinis*. Management Action: Install a fish barrier east of Highway 86 Objective: Improve native wildlife habitat Management Action: Install a freshwater pond for the southern leopard frog and desert pupfish and reintroduce a population of the frog into enhanced habitat Management Action: Install wildlife guzzlers outside the riparian zone of the creek and marsh.	Fish and Wildlife (incl. special status species)
See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Objective: Provide for the protection of highly sensitive cultural resources. Management Action: Perform route restoration to erase illegal routes. Management Action: Monitor the creation of illegal routes and perform route	Cultural Resources

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: Nominate the significant sites or potential district to the NRHP. Management Action: Consult with local Indian tribes and knowledgeable traditional practitioners regarding the cultural resource values present within the ACEC. Objective: Increase public awareness of the cultural resources values within the ACEC. Management Action: Install informative signage and kiosks at various appropriate locations within the ACEC. Objective: Monitor the known significant archaeological sites and record new sites that may exist within the ACEC. Management Action: Work with local and national archaeological and historical organizations and institutions to develop partnerships to enable proactive survey and recordation. Management Action: Apply for grant or other funding to pay for the studies. Objective: Evaluate the need for stabilization projects to retard erosional processes within the ACEC that may be negatively affecting the prehistoric village sites.	
Objective: Ensure the general management and protection of paleontological resources consistent with the Paleontological Resources Preservation Act and the Omnibus Act. Management Action: Conduct a paleontological assessment to determine the paleontological potential of the area. Management Action: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed.	Paleontology
Objective: Administer and manage trail resources in accordance with Old Spanish Trail Comprehensive Management Plan, NTSA, FLMPA, local RMPs, and agency policy and direction. Allowable Uses: Research, interpretation, recreation. Management Action: Designate Trail Management Corridor	National Historic Trails
Objective: Protect characteristic landscape of the marsh, and particularly the historic landscape surrounding the Anza NHT and related historic sites. Management Actions: Mitigate impacts to visual resources by applying appropriate techniques and prescriptions of appropriate VRM class.	Visual Resources
Objective: Manage the route of travel network to fulfill requirements of the original CDCA Plan and the WECO Plan Amendment. Management Action: Provide signage and maps to the public to inform them of route locations and regulations. Management Action: Increase ranger patrols and other BLM personnel visits to the area.	Trails and Travel Management

Management Action: Create barriers as necessary and monitor the creation of illegal routes. Perform route restoration as needed. Management Action: Coordinate with Border Patrol as to the sensitivity of the area. Educate agents about the fragile resources and the damage they can do by driving off route unnecessarily.	
Objective: Promote public understanding of ACEC values and encourage compliance. Management Action: Increase ranger and other BLM personnel visits to the area. Management Action: Install signage and update kiosk. Provide maps to the public to inform them of route locations and regulations. Objective: Promote dispersed recreational activities in this area which would include sight-seeing, hiking, and birdwatching. Management Action: Create a watchable wildlife site.	Recreation
Existing ROWs: CalTrans material site ROW All but 640 acres leased for oil and gas. When the leases expire, the BLM will not renew them. New proposals for ROWs will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals.	Rights of Way
Objective: Manage ACEC collaboratively with the California Department of Fish and Wildlife. Management Action: Acquire private lands in the San Felipe watershed through purchase or exchange.	Land Tenure
No Renewable Energy Development Geothermal: Available for geothermal leasing and development with a NSO stipulation.	Renewable Energy
Objective: Permit mineral development in the ACEC with stipulations to minimize impact on resources. Allowable Uses: Geothermal Leasing. Mineral leasing with stipulations. Management Actions: Close coordination to ensure mineral and energy development has minimal impact on wildlife, habitat and cultural resources. Allow geothermal leasing with no surface occupancy.	Locatable Minerals Mineral Materials Non-Energy Leasables

San Sebastian Marsh/San Felipe Creek



1.5 Miles

2 Kilometers

N

Preferred Alternative ACECs

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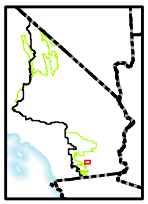
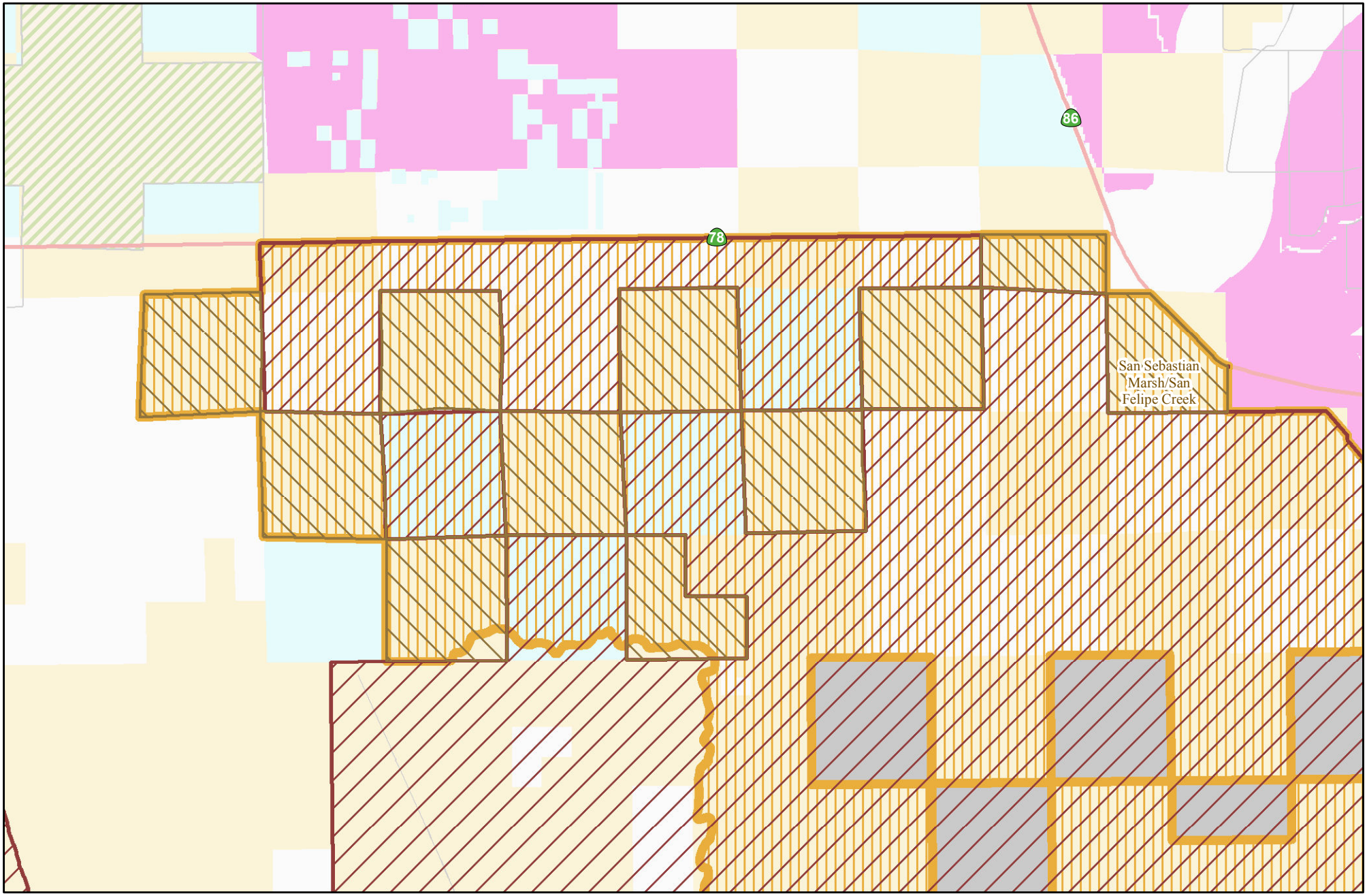


San Sebastian Marsh/San Felipe Creek



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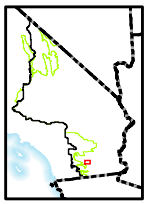

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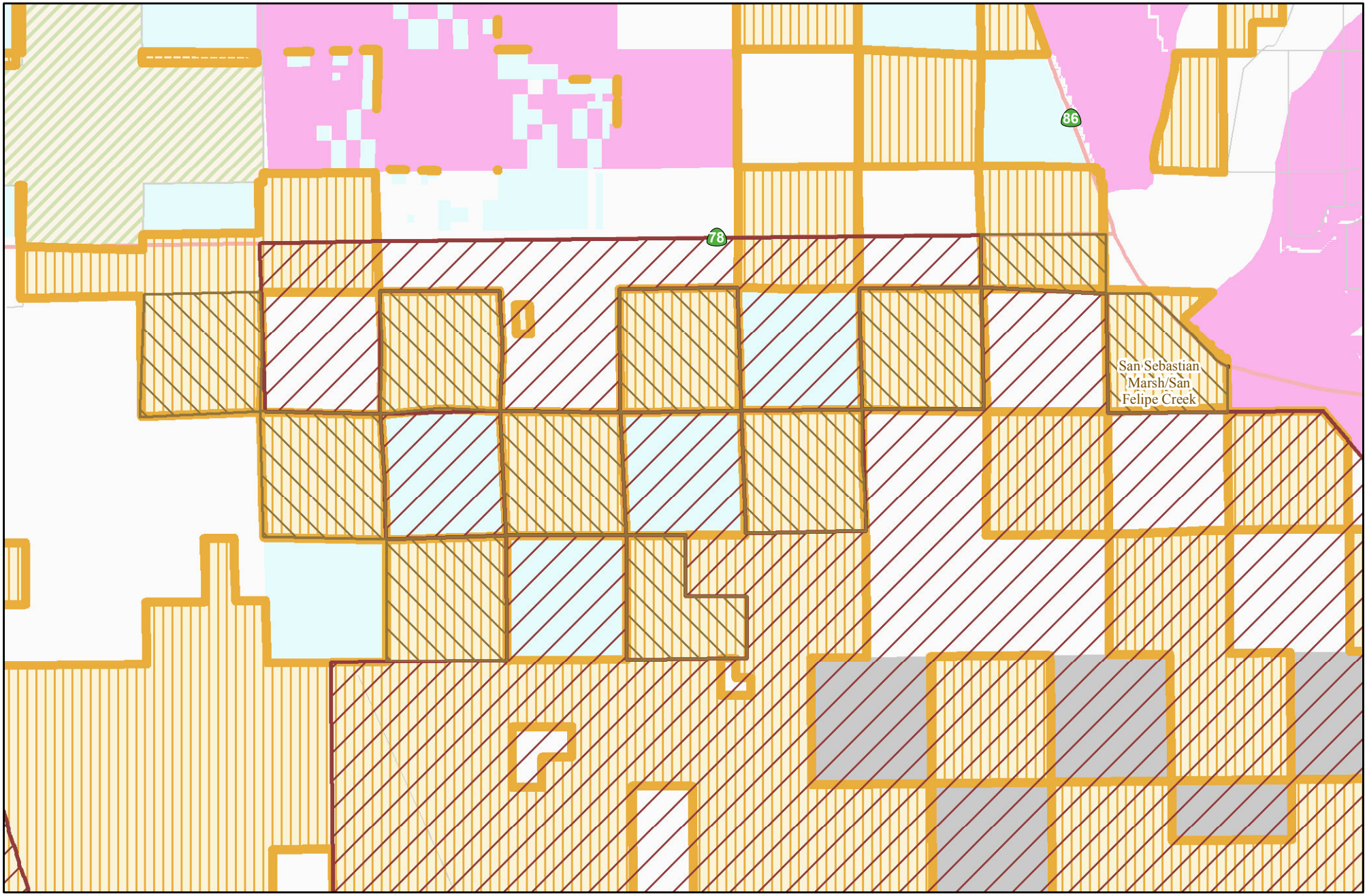

1.5 Miles

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Alternative 2 ACECs

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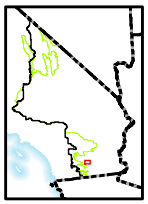
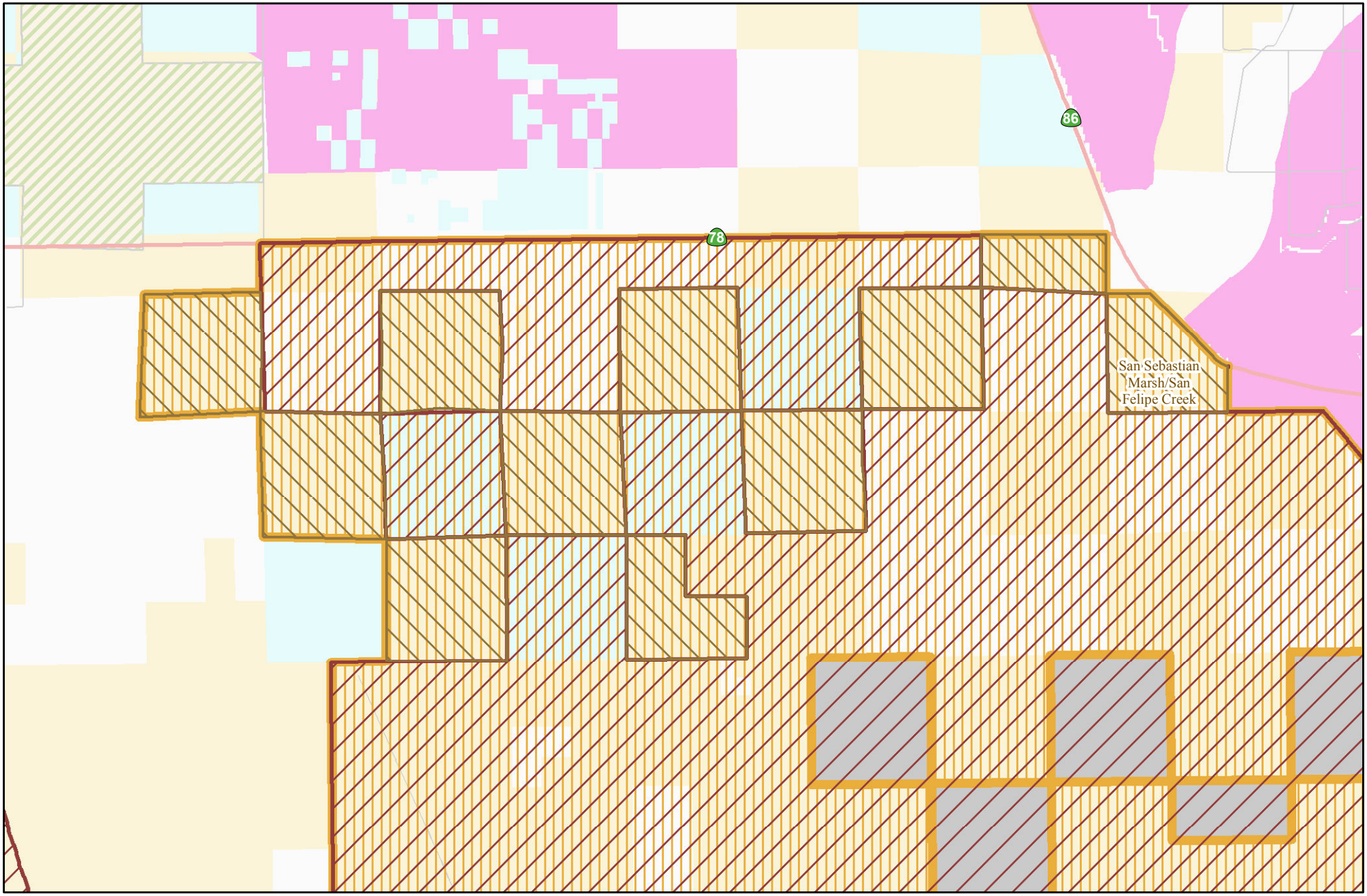


San Sebastian Marsh/San Felipe Creek



1.5 Miles

2 Kilometers

N

Alternative 3 ACECs

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Land Status

- Bureau of Land Management
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GTLF

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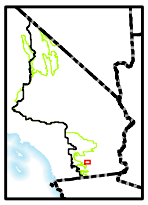

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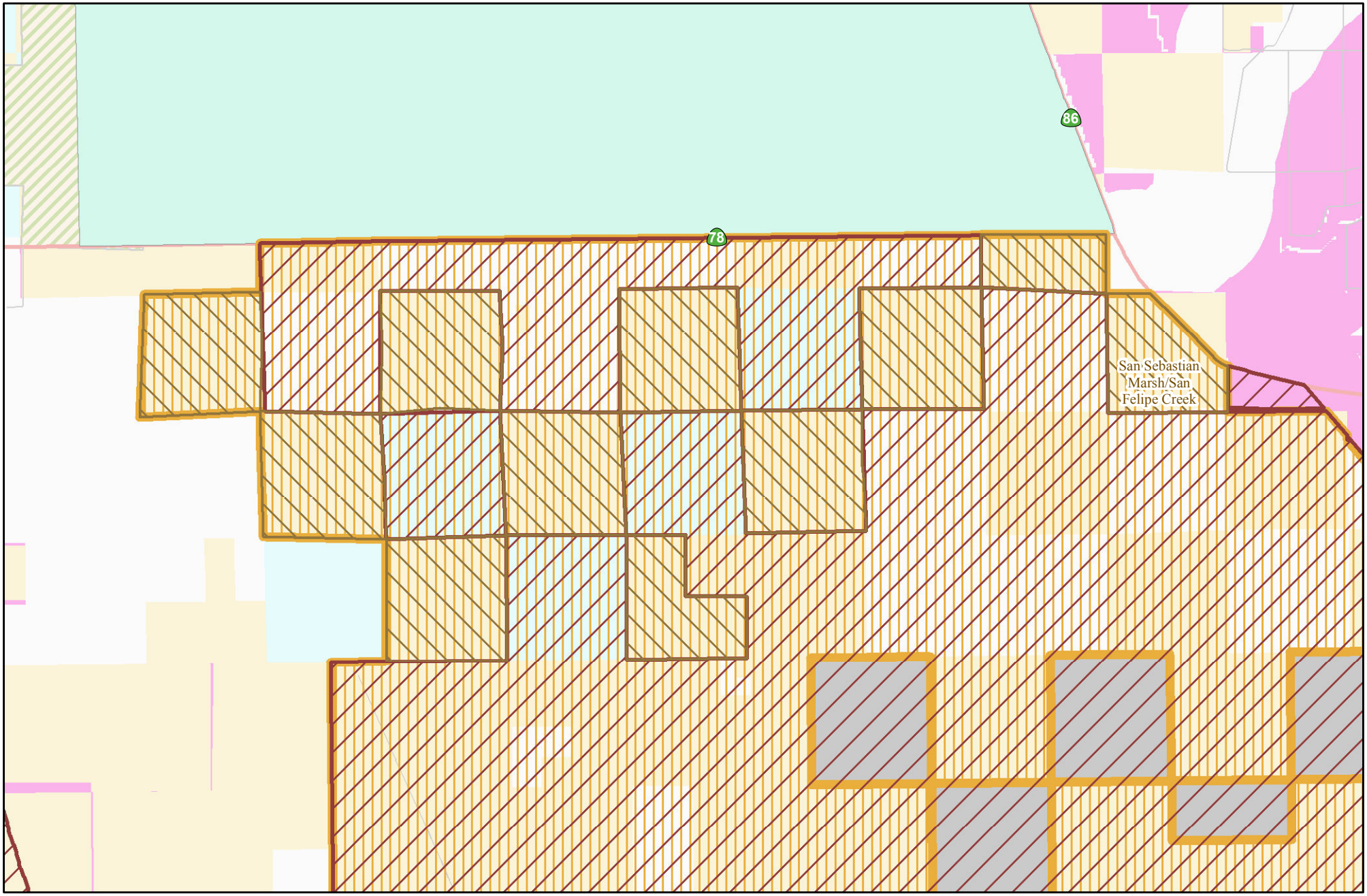

1.5 Miles

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Alternative 4 ACECs

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Land Status
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GTLF
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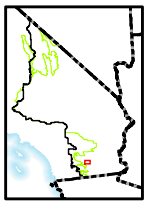
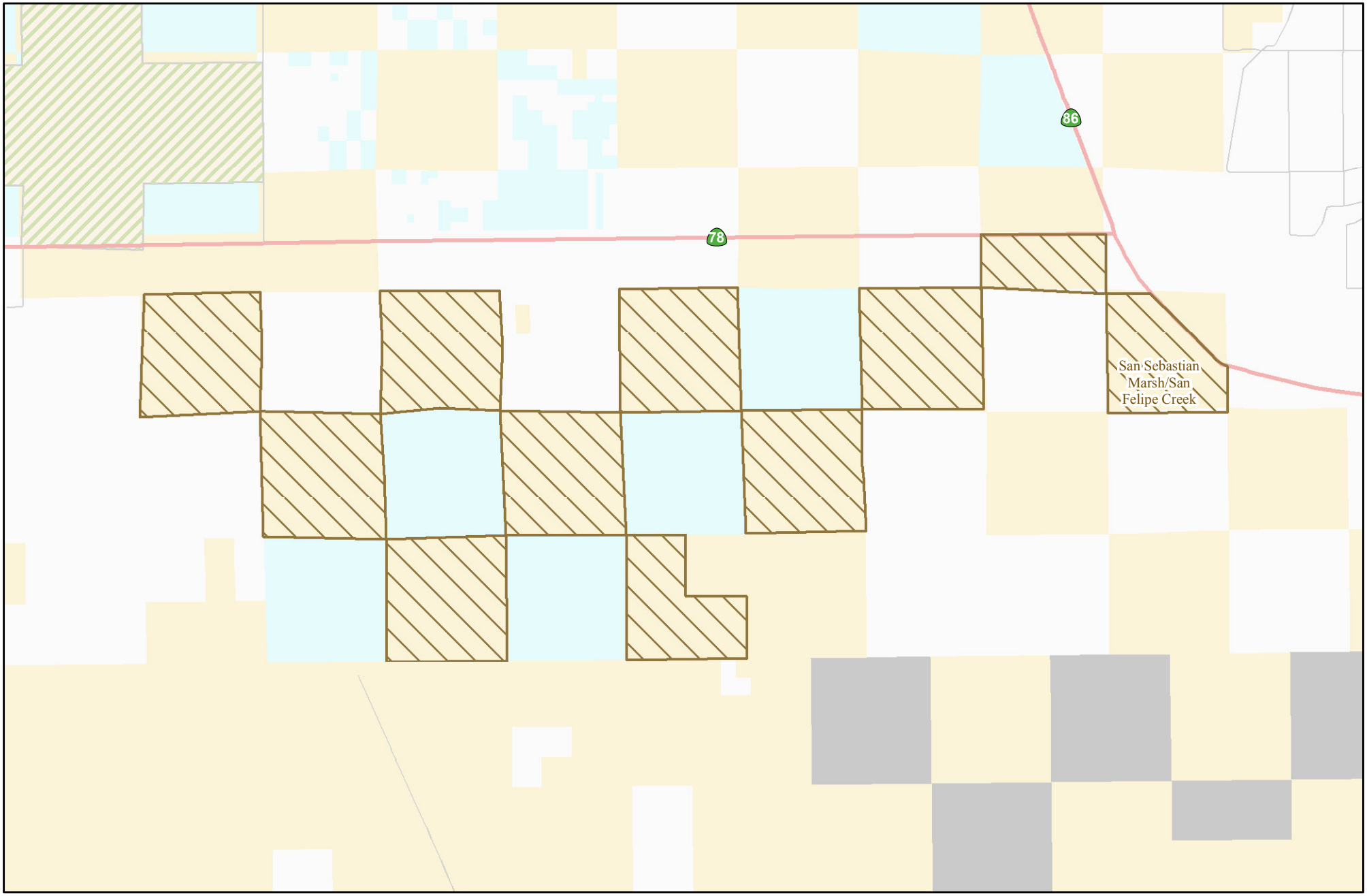


San Sebastian Marsh/San Felipe Creek



1.5 Miles

2 Kilometers

N

No Action ACECs

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ACEC Layers

- Existing ACEC
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Land Status

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GTLF

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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 :

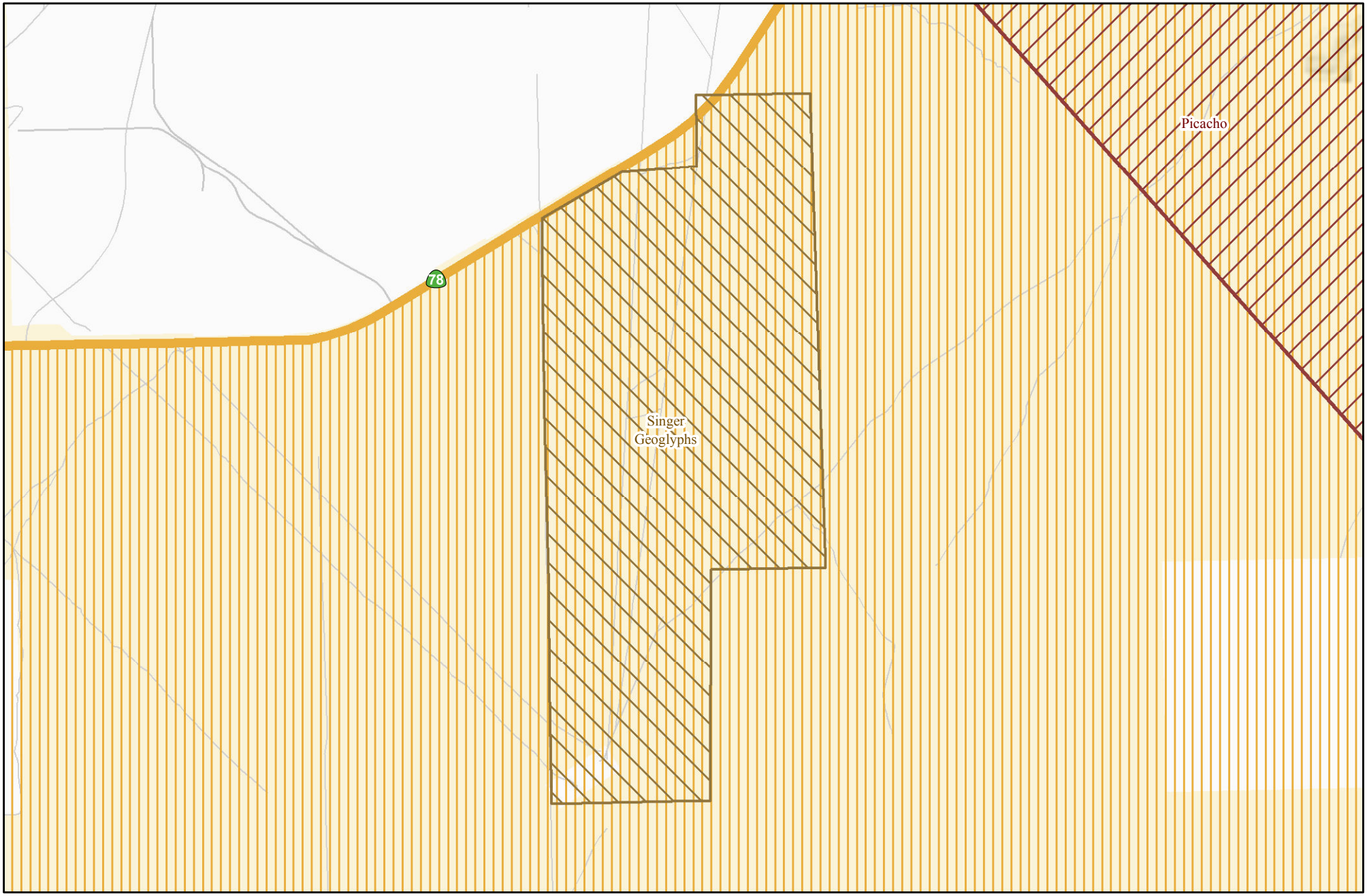
All Alternatives-- This unit would continue to be managed as it currently is.

Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Minimize soil disturbance. Objective: Minimize disturbance to washes that would result in negative ecological consequences to wildlife and plant communities dependent upon them. Management Action: Monitor to ensure materials are not being dumped directly into washes. 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. Objective: Protect air quality and visibility standards in accordance with the Southeast Desert Air Basin nonattainment standards. Management Action: Coordinate with the California Environmental Protection Agency Air Resources Board. 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. Management Action: Coordinate with the Imperial County Air Pollution Control District.	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)

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. 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. 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.	
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. 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. Objective: Manage landscape to ensure wildlife passage and connectivity between wildlife populations.	Fish and Wildlife (incl. special status species)
See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Objective: Provide for the protection of the highly sensitive geoglyphs. Management Action: Monitor and maintain the fences that enclose the geoglyphs. 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.	Cultural Resources

Objective: Ensure the general management and protection of paleontological resources consistent with the Paleontological Resources Preservation Act and the Omnibus Act. Management Action: Conduct a paleontological assessment to determine the paleontological potential of the area. Management Action: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed.	Paleontology
Objective: Maintain the existing characteristic landscape. Management Actions: Mitigate changes to characteristic landscape through the applicable VRM management class prescriptions.	Visual Resources
Objective: Manage the route of travel network to fulfill requirements of the original CDCA Plan and the NECO Plan Amendment. Management Action: Provide signage and maps to the public to inform them of route locations and regulations. Management Action: Increase ranger patrols and other BLM personnel visits to the area. Management Action: Monitor the creation of illegal routes and perform route restoration as needed.	Trails and Travel Management
Objective: Encourage compliance with ACEC management recommendations Management Action: Increase ranger and other BLM personnel visits to the area. Management Action: Provide signage and maps to the public to inform them of route locations and regulations.	Recreation
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. 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.	Rights of Way
Not available for renewable energy. Geothermal: Area is closed to geothermal leasing and development	Renewable Energy
Objective: Preserve geoglyphs and restrict surface disturbance around them. 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. Management Action: Withdraw land from further mineral entry. Review any projects that would contribute to surface disturbance on a case by case basis.	Locatable Minerals Mineral Materials Non-Energy Leasables

Singer Geoglyphs



0.8 Miles

1 Kilometers

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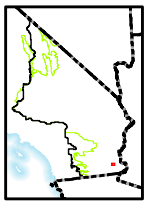
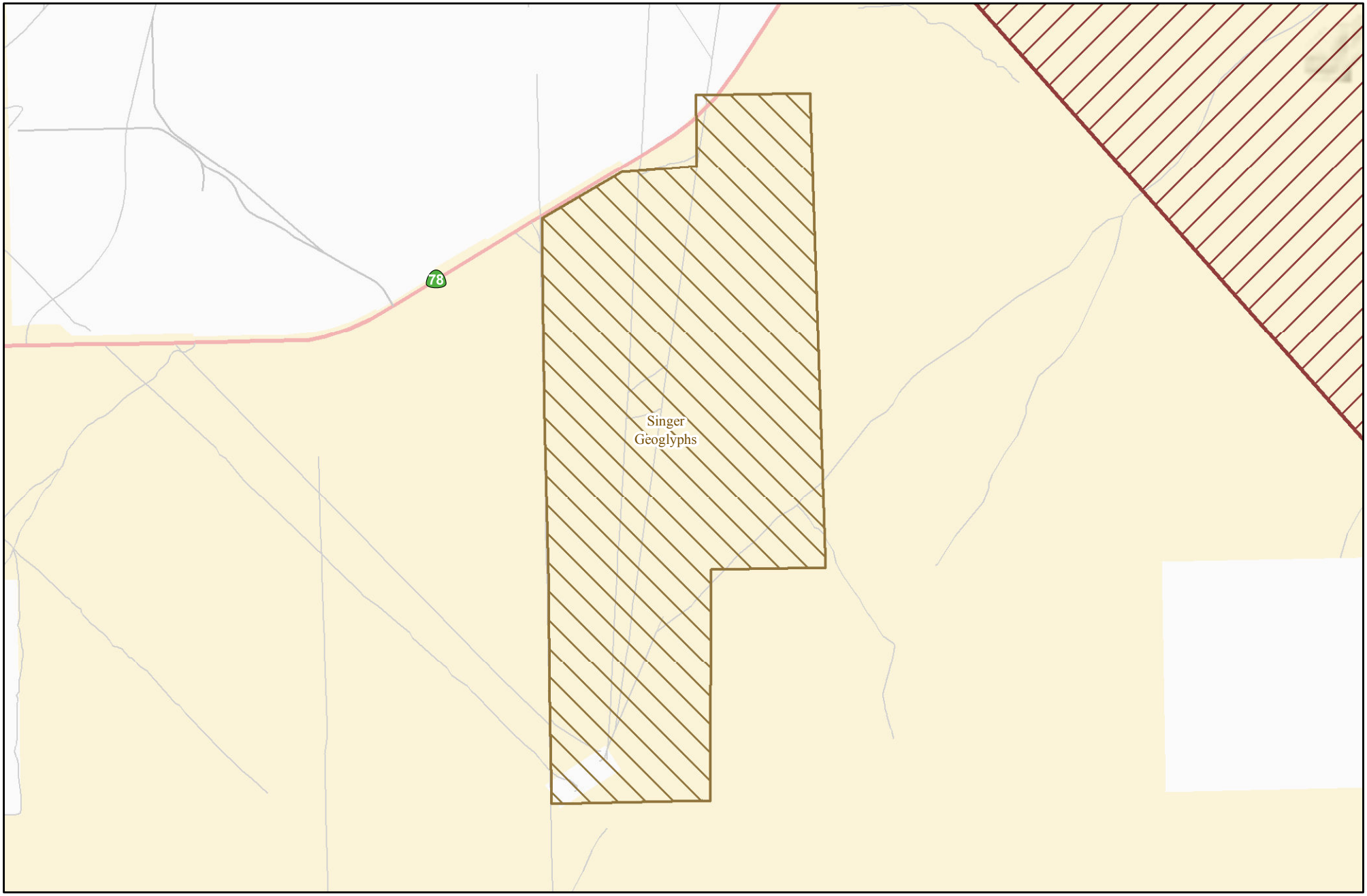


Singer Geoglyphs



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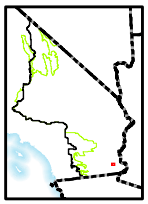

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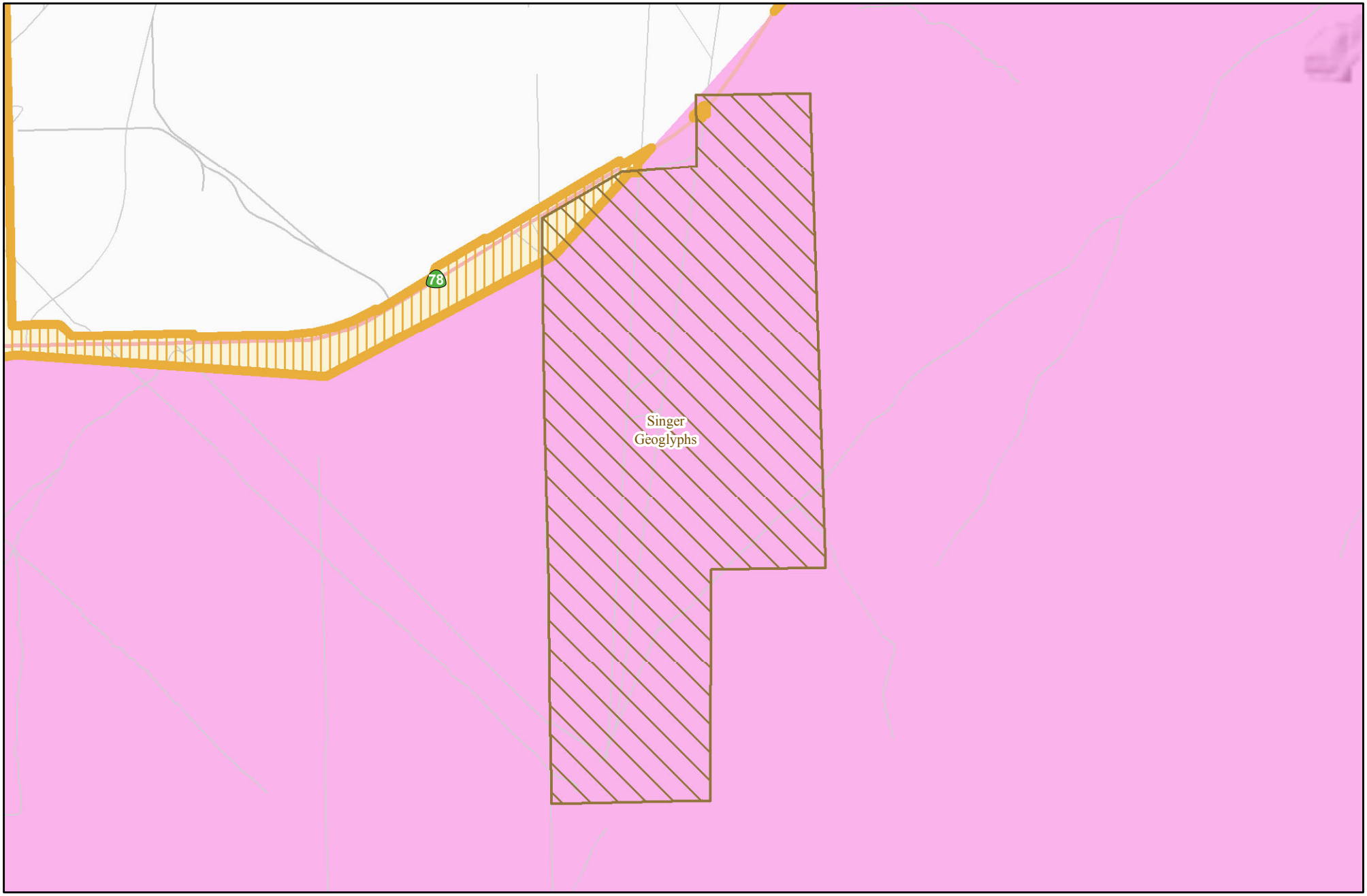

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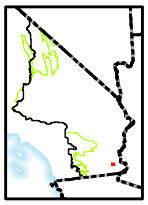
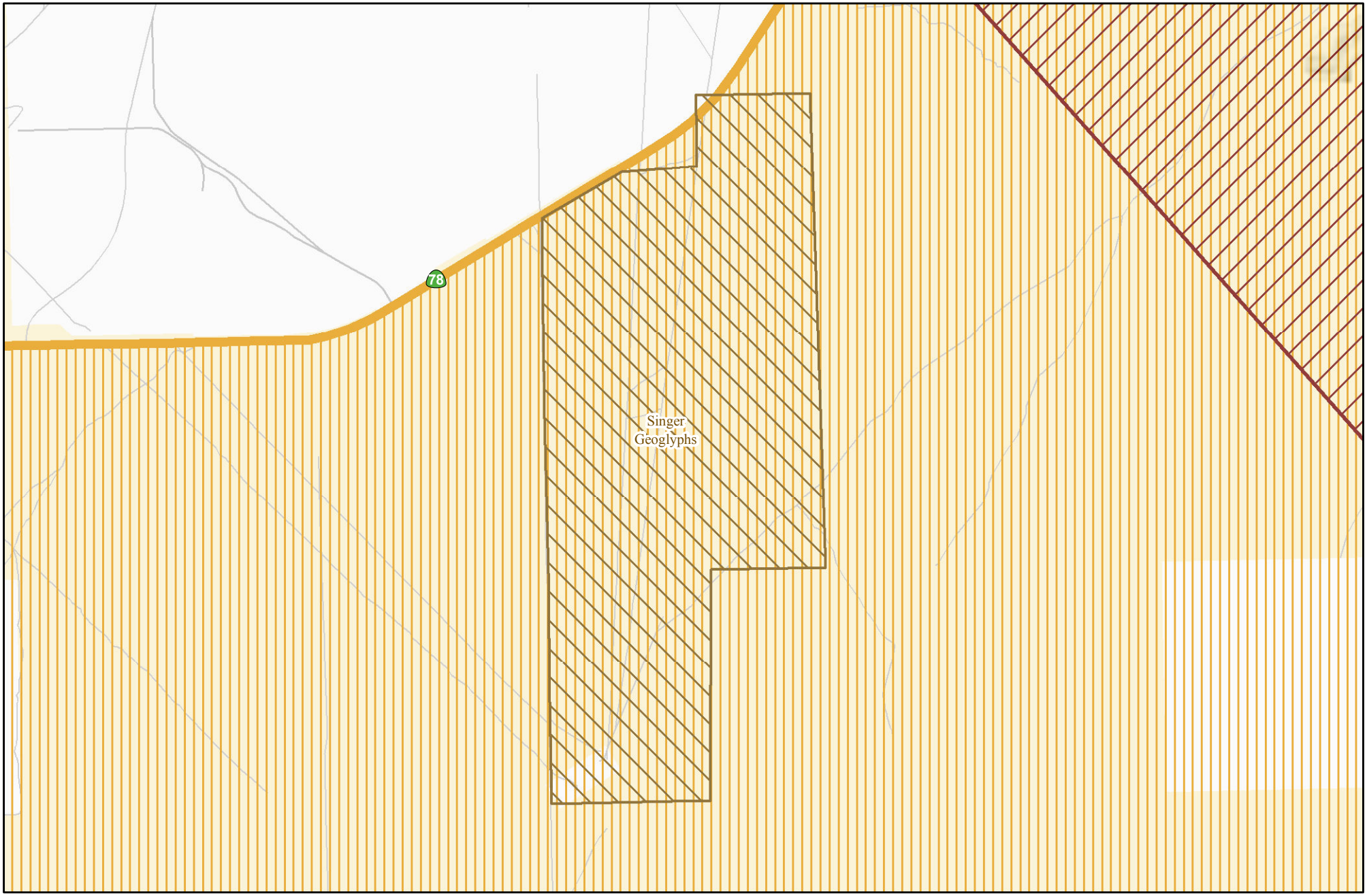


Singer Geoglyphs



0.8 Miles

1 Kilometers

N

Alternative 3 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

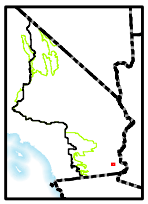
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



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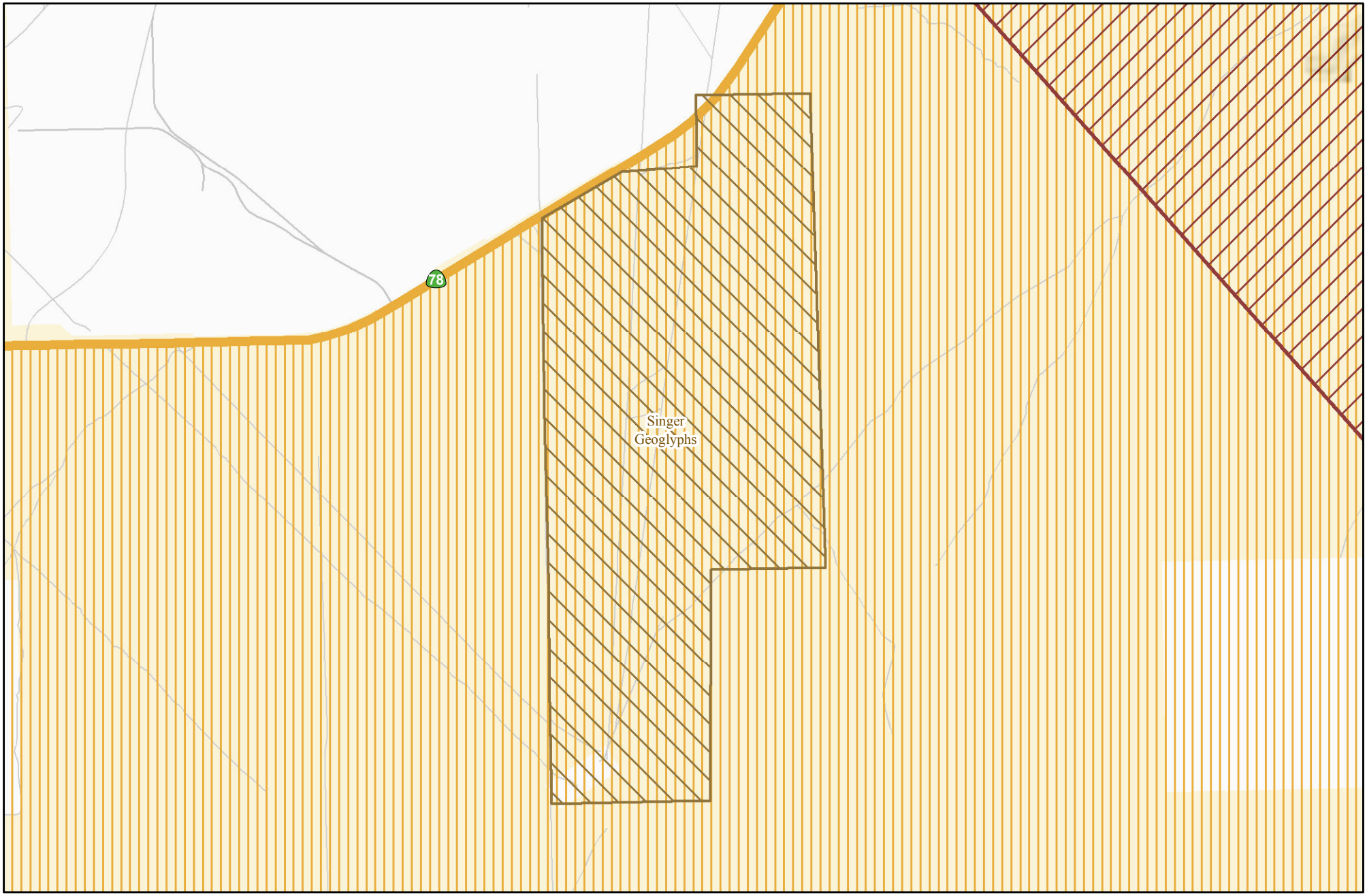

0.8 Miles

1 Kilometers

N

Alternative 3 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
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Land Status

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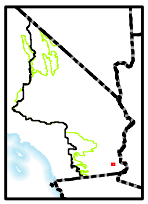

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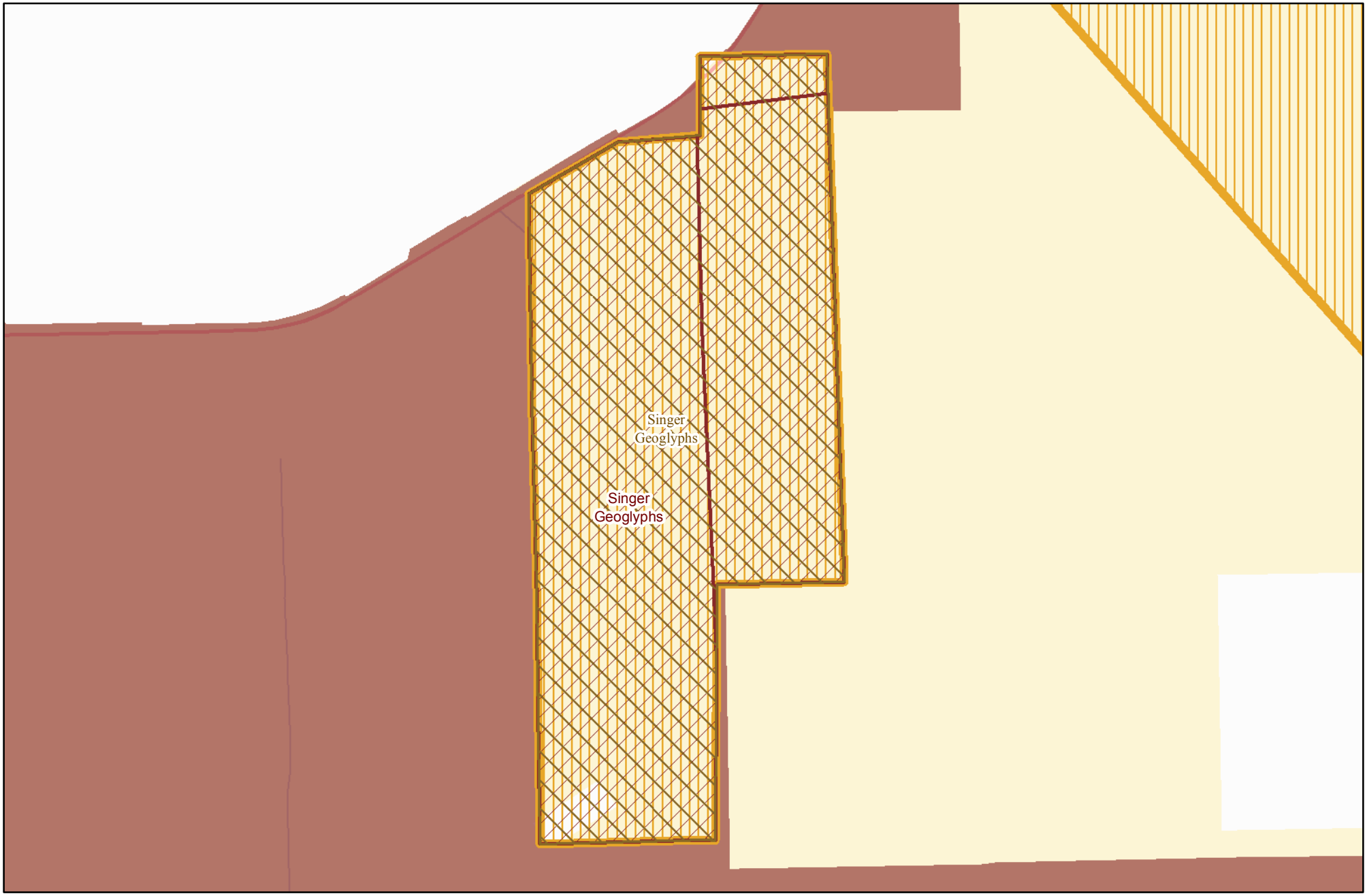


0.75 Miles

1 Kilometers

N

Alternative 4 ACECs

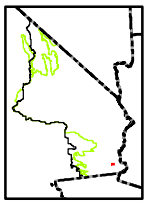
Date Printed: 8/6/2014

Prepared by BLM California State Office

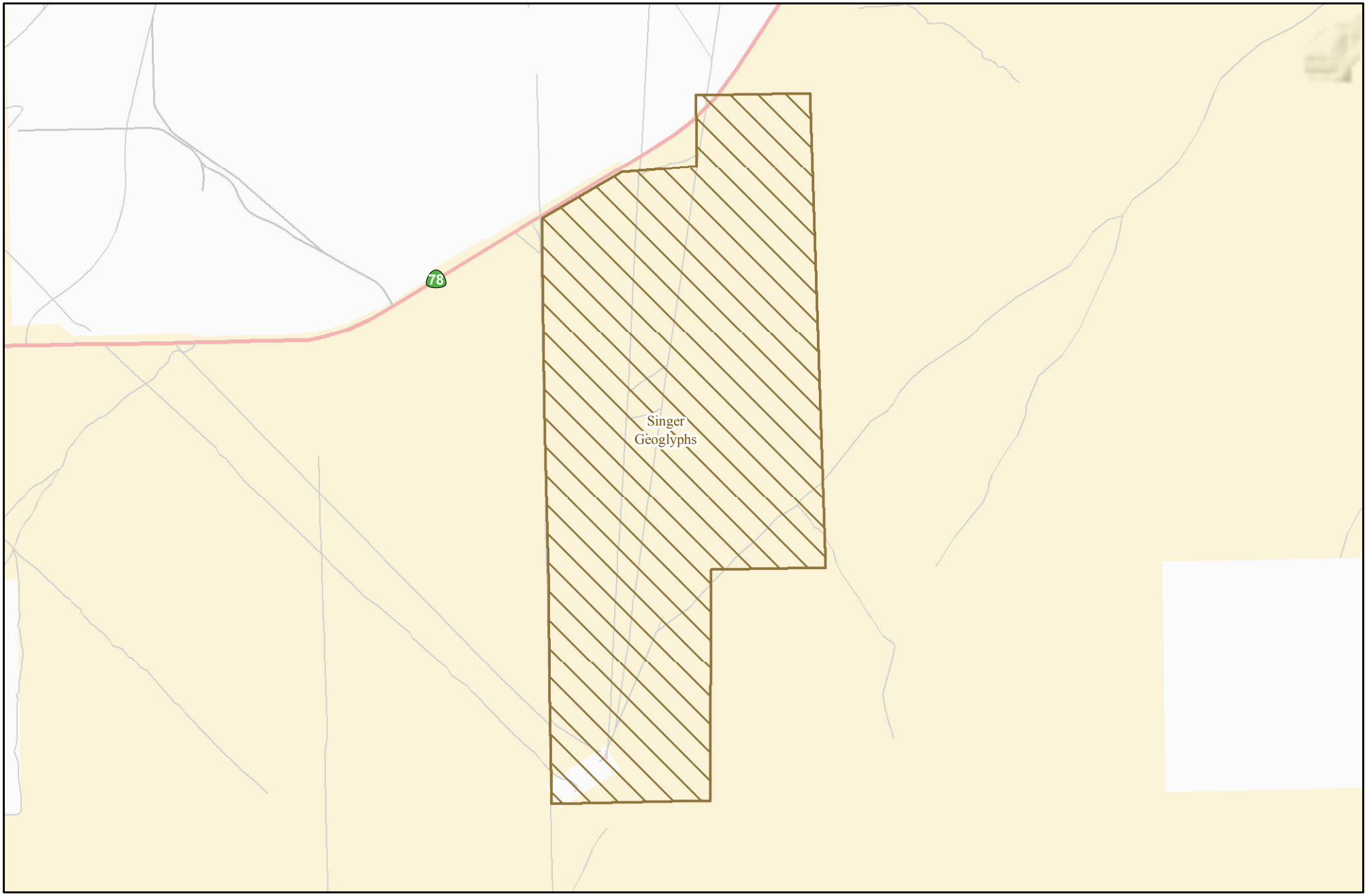
ACEC Layers
- Existing ACEC
- Proposed NLCS
- Proposed ACEC
- Proposed Wildlife Allocation
- Legislatively and Legally Protected
- Design Focus Areas
- Variance Lands
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

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

GTLF
- Interstate
- US Hwy
- CA Hwy
- County Hwy



Singer Geoglyphs



0.8 Miles

1 Kilometers

N

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
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GTLF

- Interstate
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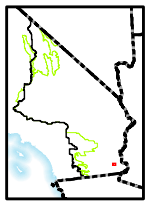


West Mesa
Description/Location: The unit is located approximately eight miles north of Interstate 8, 18 miles west of Hwy 111, and eight miles south of Hwy 78. It is situated between the Fish Creek Mountain Wilderness and Plaster City Open OHV Recreation Area. All action alternatives propose expanding the existing unit. This expansion is proposed to fulfill the Flat-tailed horned lizard Conservation Strategy. The northern boundary of the ACEC would extend to the San Sebastian ACEC, the western boundary would expand to the Fish Creek Mountains Wilderness, the southern boundary would expand to the southern unit of Plaster City OHV Area, and the eastern boundary would expand approximately nine miles to the east of the existing ACEC boundary. **Nationally Significant Values:** Ecological: This ACEC provides important habitat for the Flat-tailed horned lizard and supports rare plant populations and other wildlife Species of Concern including Burrowing owl, Palm Springs little pocket mouse and Colorado desert fringed-toed lizard. The conservation lands and ACEC would protect a contiguous landscape connecting the San Sebastian Marsh/San Felipe Creek with the Fish Creek Mountains and Anza-Borrego Desert State Park. This conserved landscape would enhance the protections and habitat for the species listed above as well as numerous other species dependent on this landscape. Cultural: The proposed conservation lands and ACEC contain sensitive and significant cultural resources such as habitation sites, geoglyphs, prehistoric trails, and areas of traditional and sacred values to Native American tribes. The area also contains a portion of the Juan Bautista de Anza National Historic Trail. The eastern portion of the ACEC also contains shoreline of ancient Lake Cahuilla where prehistoric fish traps and significant habitation sites have been recorded. These archaeological resources are listed in, or eligible for listing in, the National Register of Historic Places (NRHP). Scientific: Prehistoric archaeological sites with scientific information potential that make them eligible for listing in the NRHP are located within this ACEC. Significant paleontological localities containing vertebrate fossils are located within this ACEC. **Special Designations/Management Plan/Date:** CDCA 1987 plan amendment **Relevance and Importance Criteria**: Relevant biological and cultural resources. This ACEC is located on the western side of Imperial County, between the Superstition Mountains, Fish Creek, and the Coyote Mountains in the Colorado Desert – a subdivision of the Sonoran Desert. Mountains and other landforms within and surrounding the ACEC are considered sacred to local Indian tribes; viewsheds within this unit are very important to local tribes. Most surface management is administered by the BLM through a Memorandum of Understanding with the Bureau of Reclamation (BOR); the remainder of lands is leased to the Navy by the BOR, or is under private ownership. The Navy uses the land as target zones or for parachute drop zones. The BLM land within the ACEC is designated as Multiple Use Class “Limited”. Casual use includes recreation activities such as OHV riding, camping, hiking, and rockhounding. Mineralization is not well developed or occurs at depths below a large quantity of overburden material, making mining uneconomical. The ACEC is largely covered by a dry substrate, endemic to vegetation communities and wildlife species adapted to the harsh environment. Large washes, created from watersheds originating from surrounding mountains or resulting from monsoon rainfall, provide microclimates for plant species requiring additional water. The primary plant communities in the ACEC are Creosote Bush Scrub, with some Desert Psammophytic Scrub occupation the eastern portion, and Microphyll Woodland (restricted to only a few

major washes). Each of the three plant communities provides habitat features preferred by a variety of wildlife species. The ACEC includes a variety of mammal, reptile, and avian species.

Goals: To protect the biological, cultural and paleontological values within the ACEC while allowing for a variety of uses.

For NLCS Lands: Where this ruleset differs from the plan-wide NLCS rulsets, 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	118,700	0	1%
Preferred Alternative	80,600	115,200	0	1%
1	24,800	115,200	0	1%
2	115,100	115,100	0	1%
3	80,300	115,100	0	1%
4	80,400	115,200	0	1%

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

Alternatives :
All Action Alternatives – The existing ACEC and the expansion would be identified as an ACEC.

No Action – this existing ACEC would continue to be managed as it currently is, there would be no expansion.

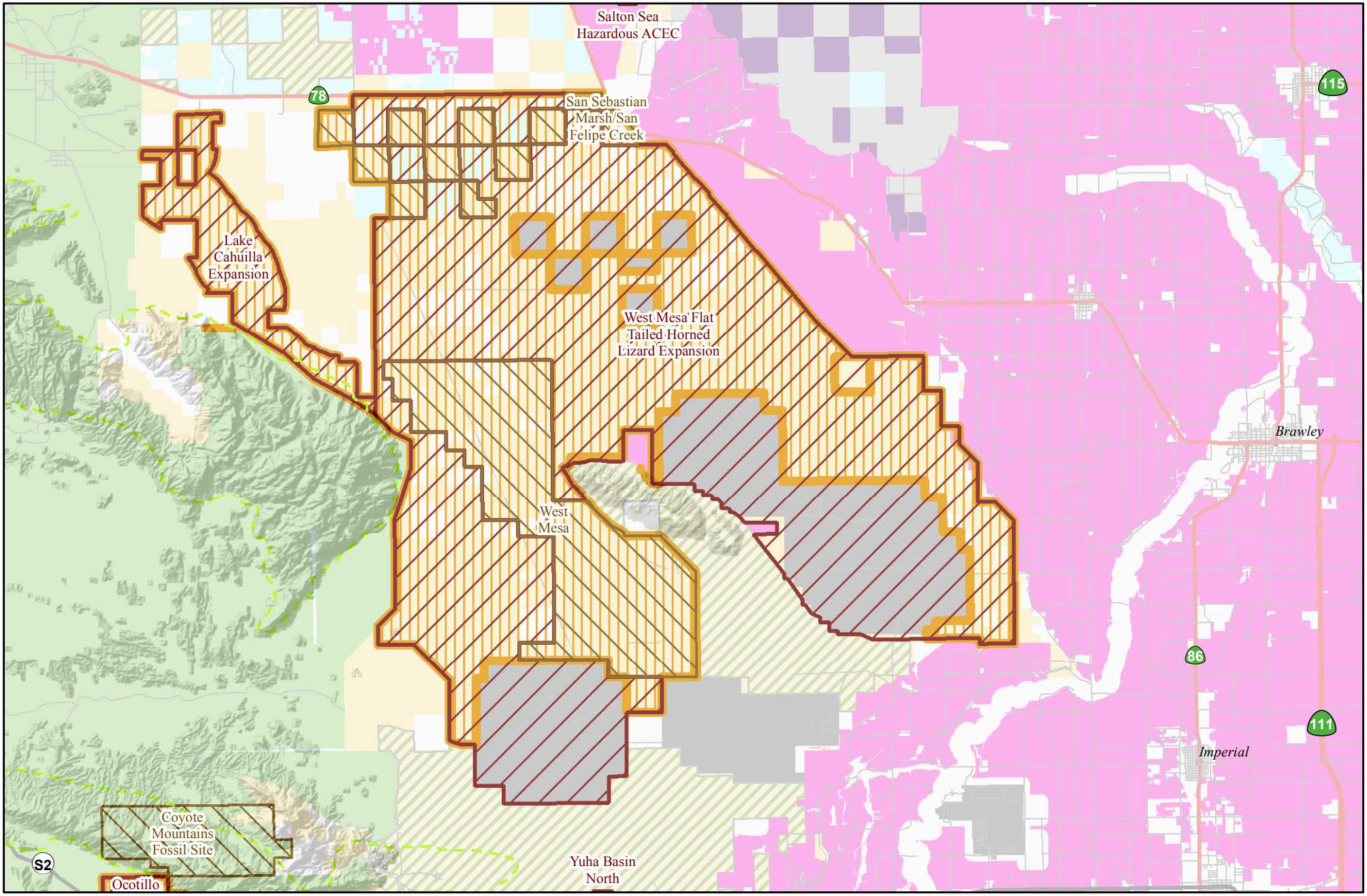
Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Minimize soil disturbance. Management Action: Maintain confinement of OHV activity to designated locations. Management Action: Maintain signage informing OHV users to avoid riding outside of designated locations. 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. Objective: Minimize disturbance to washes that would result in negative ecological consequences to wildlife and plant communities dependent upon them. Management Action: Monitor to ensure materials are not being dumped directly into washes. Management Action: Require all undertakings with the potential to spill	Soil, water, air

hazardous material (e.g., motor oil, coolant) to follow proper federal and state reporting requirements after a spill to avoid material(s) contaminating water. Objective: Protect air quality and visibility standards in accordance with the Southeast Desert Air Basin nonattainment standards. Management Action: Coordinate with the California Environmental Protection Agency Air Resources Board. 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. Management Action: Coordinate with the Imperial County Air Pollution Control District.	
Objective: Protect and enhance robust populations of both rare and common native plants. Unique plant assemblages exist within this ACEC, including saltbush (*Atriplex*), daleas (*Dalea emoryi*) and Mormon tea (*Ephedra trifurca*) can be important to wildlife because of their ability to produce seeds. Management Action: Maintain confinement of OHV activity to designated locations. Management Action: Maintain signage informing OHV users to avoid riding outside of designated locations. Management Action: Eradicate and control the spread of invasive and noxious weeds. Objective: Create a baseline of plant species to track environmental changes. Management Action: Inventory vascular and non-vascular plants, including soils crust species, in the ACEC.	Vegetation (incl. special status species)
Objective: Protect and enhance wildlife populations within the ACEC. Special Status species exist within the ACEC, including Le Conte's Trasher (*Toxostoma lecontei), black-tailed gnatcatcher (Polioptila melanura*), and Flat-tailed horned lizard (*Phrynocoma mcallii*). Management Action: Maintain confinement of OHV activity to designated locations. Management Action: Maintain signage informing OHV users to avoid riding outside of designated locations. Management Action: Manage landscape to ensure wildlife passage and connectivity. Objective: Protect and enhance critical Flat-tailed horned lizard habitat. Management Action: Determine the effect of pesticide spraying on the Flat-tailed horned lizard and avoid chemicals that would result in an adverse effect to the species. Management Action: Continue to participate actively in an Interagency Coordinating Committee to coordinate the management of the Flat-tailed horned lizard and its habitat. Management Action: Maintain camping and OHV closure in critical habitat areas. Management Action: Rehabilitate closed and unauthorized routes, and damaged habitat areas.	Fish and Wildlife (incl. special status species)
See programmatic ACEC cultural resources objective and action items in general cultural resources rules.	Cultural Resources

Objective: Provide for maximum protection of highly sensitive cultural resources. Management Action: Exclude OHV use within one mile of cultural resources except on designated routes. Management Action: Nominate sensitive archaeological resources within the ACEC for listing in the National Register of Historic Places. Management Action: Increase Ranger patrols in areas within the ACEC that contain archaeological resources listed in, or eligible for listing in, the National Register of Historic Places and those areas contained known prehistoric human remains. Management Action: Develop baseline assessment of specific natural and man-made threats to cultural resources in the ACEC (i.e., erosion, looting, vandalism, and OHV activities). Management Action: Consult with local Indian tribes and knowledgeable traditional practitioners regarding the cultural resources values present within the ACEC. Management Action: Rehabilitate closed and unauthorized routes, and damaged areas to discourage travel to confidential locations of sensitive archaeological resources. Objective: Establish Baseline Resource Information/Identify and Document Cultural Resources Management Action: Integrate survey information into BLM cultural resources management systems (cultural GIS geodatabase). Objective: Increase public awareness of the cultural values in the ACEC. Management Actions: Where appropriate and with consideration of site protection and confidentiality, develop and provide interpretation to the public about cultural resources, including signs, interpretive panels and kiosks, and web-based information. Management Action: Install signs stating no collection of any archaeological resources is allowed.	
Objective: Administer and manage trail resources in accordance with Old Spanish Trail Comprehensive Management Plan, NTSA, FLMPA, local RMPs, and agency policy and direction. Allowable Uses: Research, interpretation, recreation. Management Action: Designate Trail Management Corridor	National Historic Trails
Objective: Protect and monitor paleontological resources. Management Action: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act and the Omnibus Act. Management Action: Restrict renewable energy projects to one half mile or more from significant paleontological localities. Management Action: Exclude OHV use within one mile of paleontological resources except on designated routes. Management Action: Prohibit casual collection of vertebrate fossils without a permit. Management Action: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed.	Paleontology
Objective: Protect the characteristic landscape, including the significant cultural landscape surrounding the Anza NHT.	Visual Resources

Management Actions: Minimize impacts to characteristic landscape by following prescriptions of applicable VRM class.	
Objective: Manage the route of travel network to fulfill requirements of the original CDCA Plan and the WECO Plan Amendment. Management Action: Maintain signage and provide maps to the public to inform them of route locations and regulations. Objective: Reverse trend of resource degradation due to OHV and casual ORV use Management Action: Increase Ranger patrols in areas within the ACEC with important resource values. Management Action: Rehabilitate closed and unauthorized routes.	Trails and Travel Management
Objective: Promote dispersed recreation in this area, including casual day use, camping, hunting, target shooting, hiking, and OHV activities. Objective: Maintain high health and safety standards for the public. Management Action: Increase Ranger patrols during high-profile events. Management Action: Provide signage and maps for the public to inform them of route locations and regulations. Management Action: Prohibit competitive motorized vehicle events. Management Action: Provide adequate notification of closures or other necessary information (e.g., special hazards) to the public through various methods (e.g., signage, social media).	Recreation
Objective: Processing of non-energy ROW applications. Management Action: Non-energy ROW applications must not conflict with the purpose and overarching goals of the ACEC. Management Action: Transmission line ROWs would be allowable only within designated utility corridors.	Rights of Way
No Renewable Energy Development Geothermal: Area is closed to geothermal leasing and development	Renewable Energy
Objective: Process applications for mineral development while ensuring mineral development activities are not authorized in areas where new ground disturbance would impact habitat for Special Status species, disturb sensitive cultural resources, or limit or restrict locations within the ACEC that have high recreational values. Allowable Uses: Geothermal leasing and mineral material sales with stipulations. Management Action: Restrict clay extraction because of the importance of its values to resources and other activities. Management Action: Develop a mineral management plan for the West Mesa ACEC that addresses the high seasonal visitor use to the area, and the unique resource values.	Locatable Minerals Mineral Materials Non-Energy Leasables

West Mesa



5 Miles

7.5 Kilometers

N

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

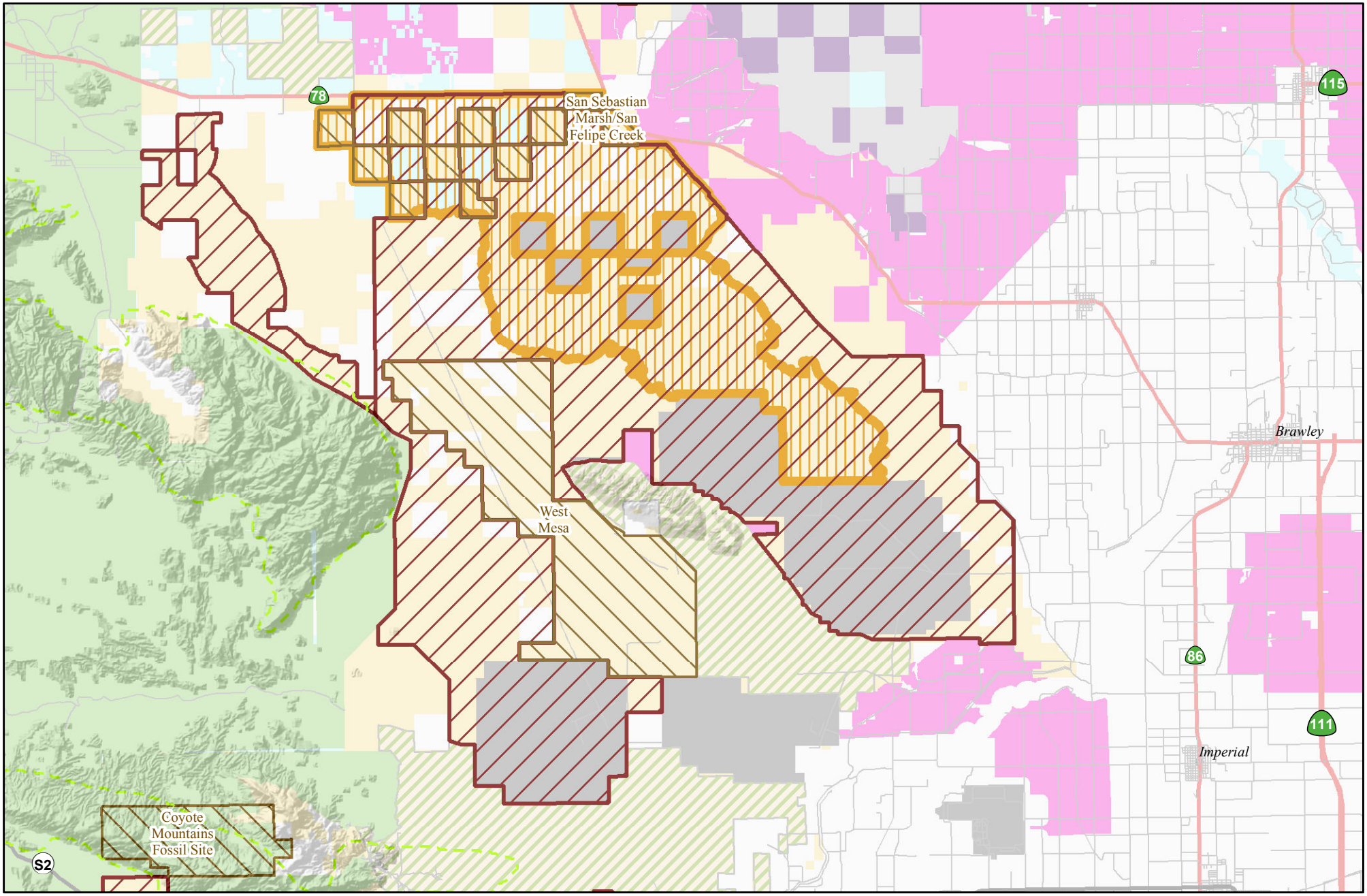
Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

West Mesa



5 Miles

7.5 Kilometers

N

Alternative 1 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
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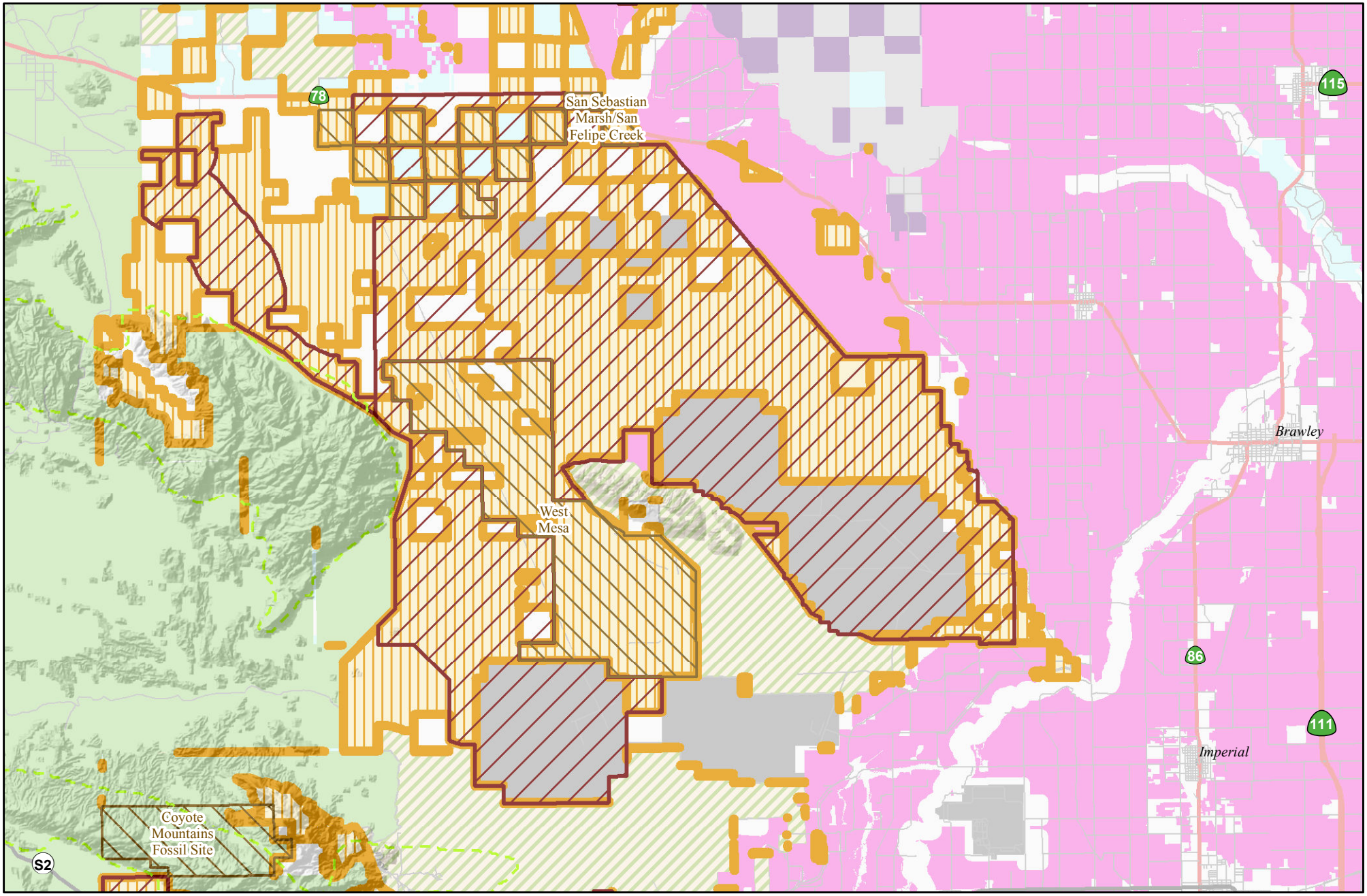
West Mesa



5 Miles

7.5 Kilometers

N

Alternative 2 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

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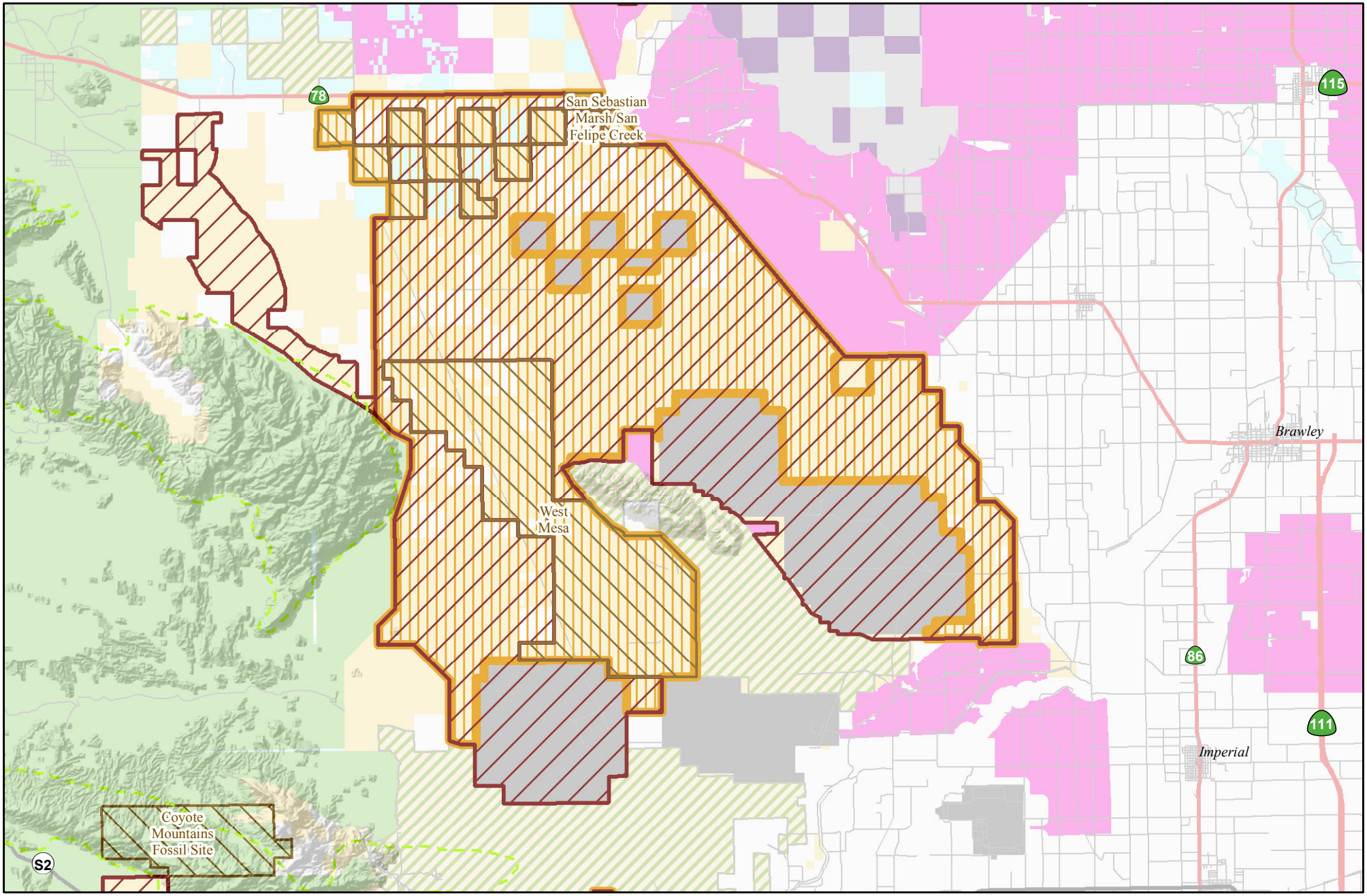
- US Hwy
- CA Hwy
- County Hwy

West Mesa



5 Miles

7.5 Kilometers

N

Alternative 3 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
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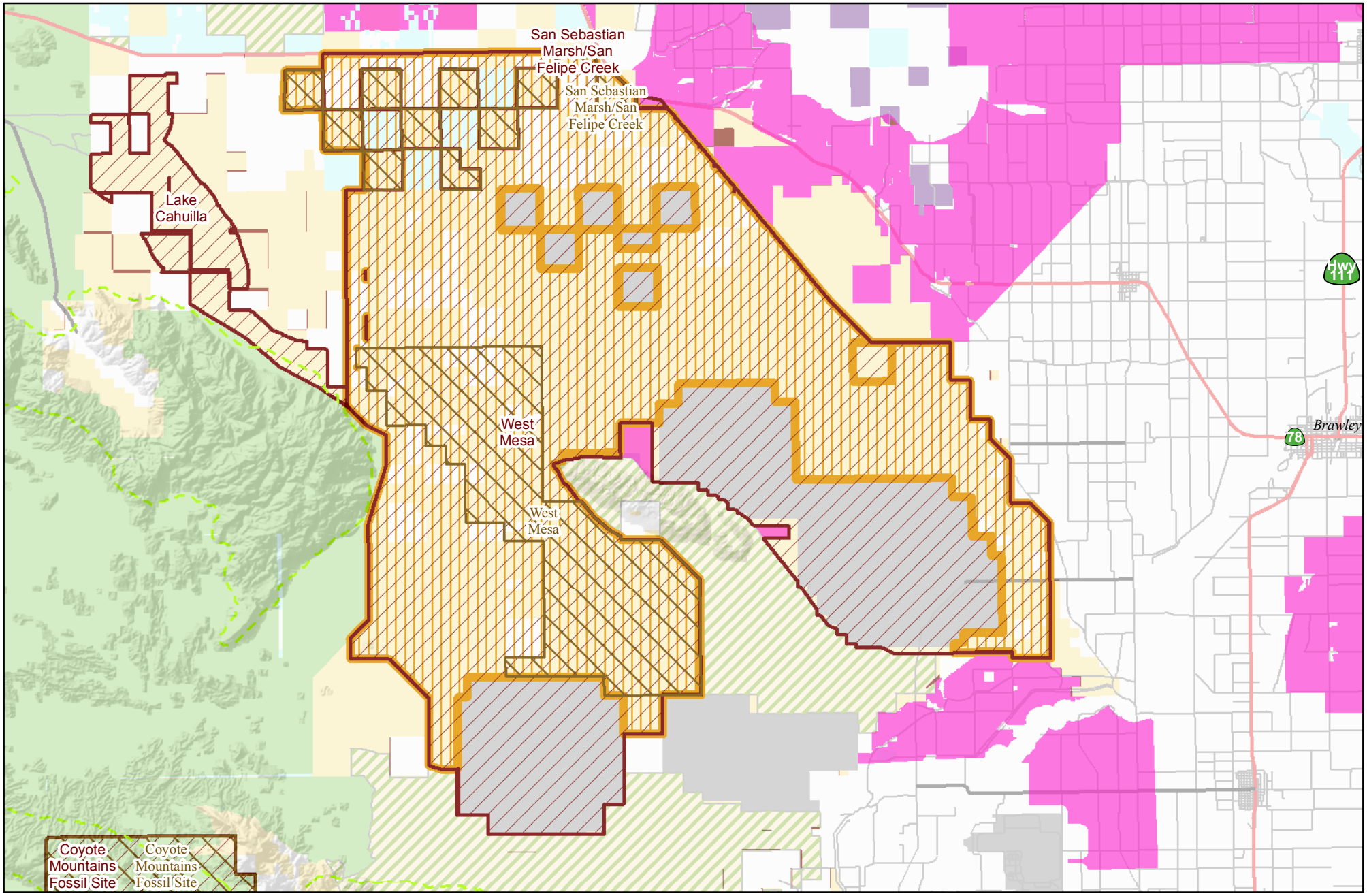
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

West Mesa



4.5 Miles

6.5 Kilometers

N

Alternative 4 ACECs

Date Printed: 8/6/2014

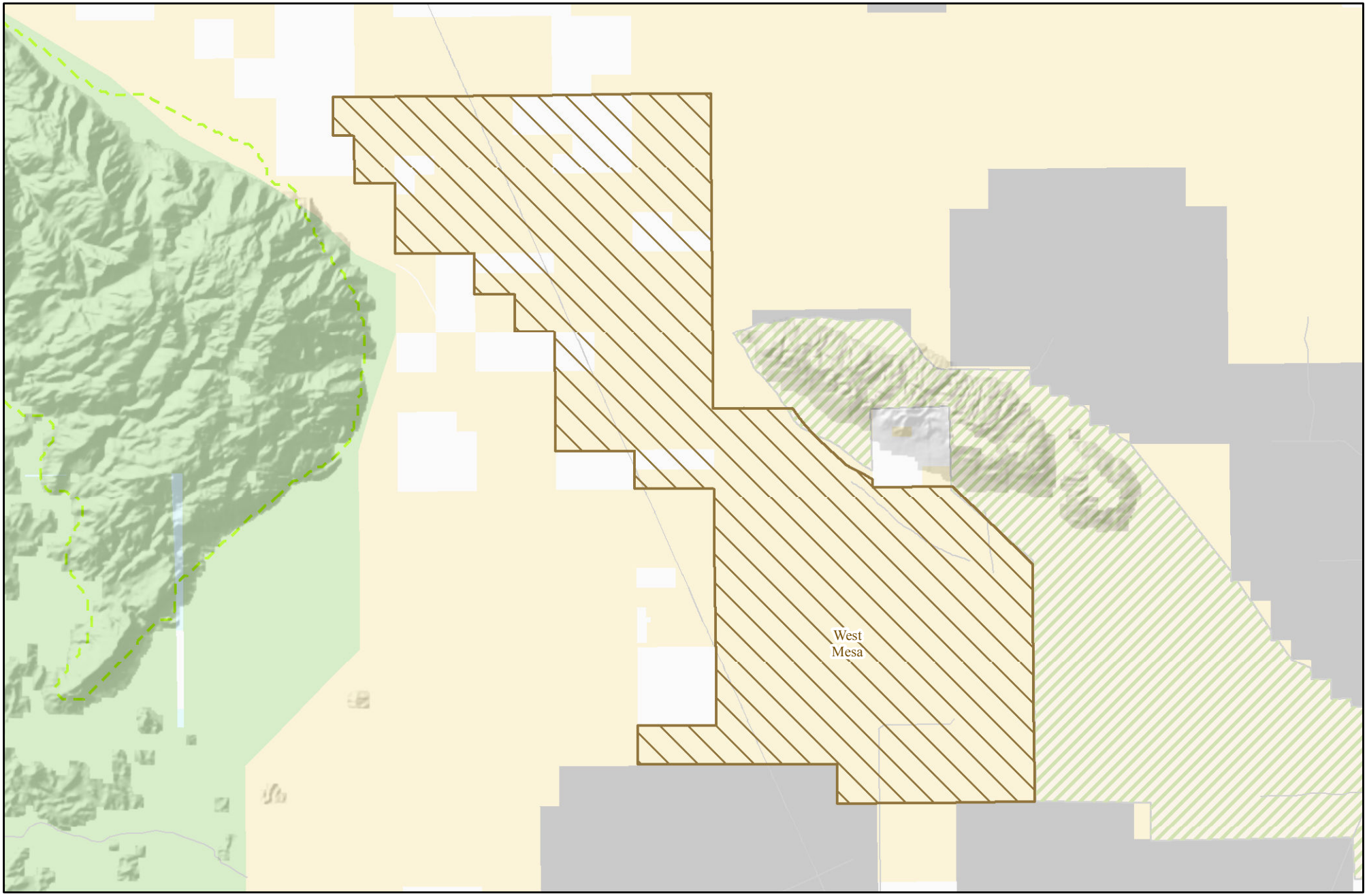
Prepared by BLM California State Office

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

West Mesa



2 Miles

3 Kilometers

N

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

Yuha Basin
Description/Location: This unit is located in southwestern Imperial County approximately 13 miles west of El Centro, bordered by the US-Mexico International Border to the south, the Jacumba Mountains to the west, Interstate 8 to the north, and agricultural lands to the east. The community of Ocotillo lies just west of this ACEC. **Nationally Significant Values:** Ecological: The ACEC contains important habitat for the Flat-tailed horned lizard and several unique vegetation communities. Proposed conservation lands would create a contiguous protected landscape linking the Yuha Basin with the Jacumba Wilderness, the proposed Ocotillo Conservation Lands, and Anza-Borrego Desert State Park. These lands would preserve one of the most intact and diverse landscapes in the Sonoran/Colorado Desert. Cultural: National conservation lands and the ACEC contain cultural resources ranging from Paleoindian sites to campsites of ancestors of living Kumeyaay, Quechan, and Cocopah Indians (i.e., intaglios, temporary camps, lithic scatters, cremation loci, pottery loci, wells, trails, and shrines). The shoreline of ancient Lake Cahuilla, which includes habitation sites, is also located in the basin. The area also contains historic sites such as those related to mining, the Old Stage Road, and a historic railroad. The basin includes a portion of the Juan Batista de Anza National Historic Trail and one of the Anza campsites (Yuha Well). The ACEC currently contains the Yuha Basin Discontiguous District that is listed in the National Register of Historic Place (NRHP), and contains additional prehistoric archaeological resources eligible for listing in the NRHP. A Traditional Cultural Property is being proposed within this ACEC. The Southern Immigrant/Butterfield Overland Stage Route passes through the Yuha Basin, and the route is being studied by the NPS for designation as a National Historic Trail. Scientific: Prehistoric archaeological sites with scientific information potential that make them eligible for listing in the NRHP are located within this ACEC. Paleontological localities, including the Oyster Shell Beads and other sensitive fossil localities, such as relatively undisturbed Lake Cahuilla sediments and the Palm Springs Group, are located within the ACEC. **Special Designations/Management Plan/Date:** ACEC/Yuha Desert Management Plan No. 64/ March 1985 **Relevance and Importance Criteria:** Relevant biological and cultural resources. The construction of transmission lines, the Imperial Valley Substation, and other undertakings has opened up much of the interior of the Yuha Basin. The 1985 Yuha Desert Management Plan emphasized the need to protect archaeological and wilderness values that were deteriorating in the Yuha Basin as a result of project development and improved access from such projects. The ACEC contains and is within proximity to landforms that contain important visual and spiritual significance to local Indian tribes. The Yuha Basin ACEC contains unique vegetation communities, which include the Crucifixion Thorn Natural Area. The Mt. Signal Research Natural Area is also located within this ACEC. Major washes, such as Pinto Wash, resulting from mountain runoff of flash flooding from monsoons support important plant communities and wildlife habitats. Mesquite dunes or hummocks are common throughout the ACEC and also provide a unique environment that supports a number of plant communities and wildlife species. Vegetation communities highly adapted to the hyper-arid environment of the Yuha Desert include creosote (*Larrea tridentata*), Saltbush (*Atriplex sp.*), and mesquite (*Prosopis glandulosa*), which support a diversity of wildlife species. Sensitive plant species within the ACEC include cholla cactus (*Opuntia wigginsii)* and milkvetch (*Astagalus crotalatiae*). The ACEC is also home to a number of sensitive wildlife species, including

the magic gecko, the loggerhead shrike (*Lanius ludovicainus*), and game species such as Gambel's quail (*Callipepla gambelii*) and coyote (*Canus latrans*).

Common recreational activities within the ACEC include OHV riding, hunting, hiking, rock and mineral collecting, and camping; as well as site-seeing in areas of interest such as at the Yuha Well, Yuha Shell Beds, and the Crucifixion Thorn Natural Area. The potential for locatable mineral development within the ACEC is very low except for in the extreme southwest corner where several mining claims exist. Sand and gravel is the only in-demand mineral commodity within the ACEC. The Yuha Basin ACEC contains deposits of material suitable for use as tailing sand, road base aggregate and concrete aggregate.

Goals: Protect cultural and ecological, and recreational values while providing for other compatible uses.

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	68,300	0	1%
Preferred Alternative	60,800	74,900	0	1%
1	0	74,900	0	1%
2	75,400**	75,400	0	1%
3	71,000	74,900	0	1%
4	46,300	74,900	0	1%

*** Acreage values are for BLM managed lands**
****Includes overlap of existing designated Wilderness**

Alternatives:
All Action Alternatives –For all action alternatives, this unit is expanded northward to the Even Hewes Highway (Old 80) to protect significant cultural resources.

No Action – this existing ACEC would continue to be managed as it currently is, there would be no expansion.

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
Objective: Protect air quality and visibility standards in accordance with the Southeast Desert Air Basin nonattainment. Management Action: Coordinate with the California Environmental Protection Agency Air Resources Board. Objective: Manage the ACEC with the standards, visibility-reducing particles,	Soil, water, air

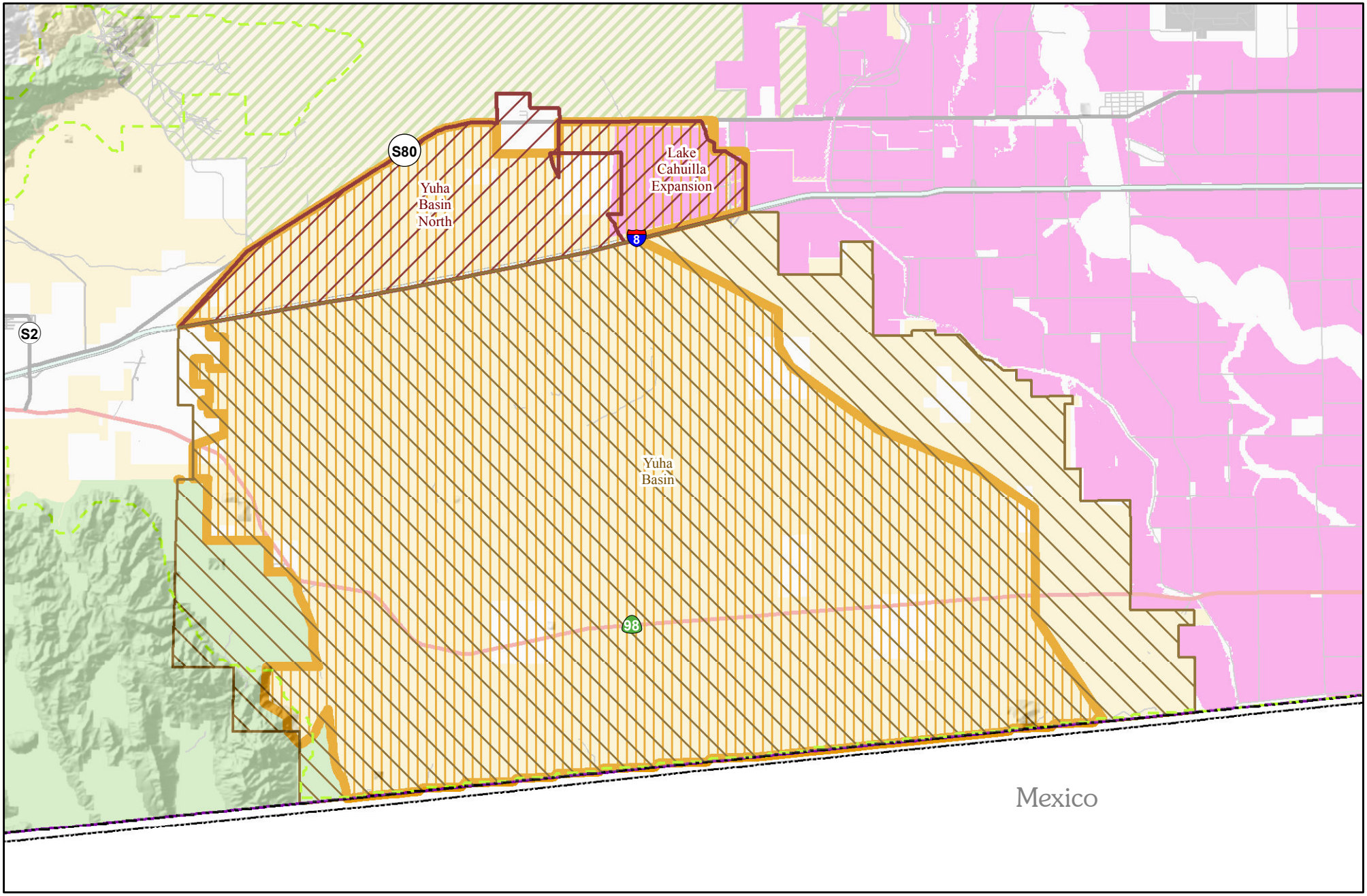
and attainment for other criteria in accordance with the standards set by the Imperial County Air Pollution Control District. Management Action: Coordinate with the Imperial County Air Pollution Control District.	
Objective: Protect and enhance habitat for Emory's Crucifixion Thorn woodland Management Action: Withdraw the Crucifixion Thorn Natural Area from mineral entry. Objective: Protect desert wetland plant communities at seeps and springs; and Sonoran Desert wash woodland. Management Action: Arrange with partner agencies and developers or ROW applicants to inventory flora of the ACEC after a significant rainfall. Objective: Maintain habitat that potentially supports the presence of Special Status plant species. Management Action: Control the introduction of invasive plant species. Objective: Control noxious plants, improve habitat, and eliminate introduced plant species, such as tamarisk, from riparian areas. Management Action: Develop strategies, such as vegetation manipulation. Objective: Protect and enhance robust populations of both rare and common native plants. Management Action: Manage vehicular traffic to stay on designated OHV routes. Management Action: Place signs, kiosks and interpretive information at key recreational sites to better inform the public about the important plant resources. Objective: Update a baseline of plant species to track environmental changes. Management Action: Inventory vascular and non-vascular plants, include soil crust species, in the ACEC.	Vegetation (incl. special status species)
Objective: Maintain wildlife habitat that supports native species including that of special status species. Management Action: Monitor wildlife for habitat and population change. Objective: Manage habitat for the Flat-tailed horned lizard (*Phrynosoma mccallii*) according to the 2003 Flat-tailed *Horned Lizard Rangewide Management Strategy,* or follow most recent. Management Action: Maintain the 1% cap for ground disturbance for this ACEC. Objective: Rehabilitate and improve habitat quality for burrowing owl (*Athene cunicularia*) and American badger (*Taxidea americana*) Management Action:	Fish and Wildlife (incl. special status species)

Objective: Protect and enhance habitat for desert bird species such as Le Conte's thrasher (*Toxostoma lecontei*). Management Action: Inventory the ACEC for invertebrate species to determine the prevalence of species endemic to the hyperarid conditions. Management Action: Enhance shrub vegetation damaged from unauthorized OHV traffic. Objective: Determine the effects of pesticide spraying on the Flat-tailed horned lizard. Management Action: Conduct study to assess effects of pesticides on the Flat-tailed horned lizard.	
See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Objective: Protect and preserve cultural resources within and visible from the ACEC. Management Action: Develop interpretive programs and brochures that explain Lake Cahuilla cultural resources. Management Action: Prohibit OHV activities except on designated routes of travel. Management Action: Perform route restoration to erase illegal routes. Management Action: Prohibit camping within one mile of the 40' contour of ancient Lake Cahuilla. Management Action: Increase ranger patrols and BLM presence in the area. Management Action: Nominate the Lake Cahuilla district to the NRHP. Management Action: Install informative signage and kiosks to ensure the public is aware of restrictions as well as provide interpretation about the ancient lake. Objective: Expand our understanding of the nature, variety, and complexity of cultural resources within the Lake Cahuilla ACEC. Management Action: Consult with local Indian tribes and knowledgeable traditional practitioners regarding the cultural resource values present within the ACEC. Management Action: Work with local archaeological organizations and institutions to develop partnerships to enable proactive survey and recordation. Management Action: Apply for grant or other funding to pay for contracting.	Cultural Resources
Objective: Administer and manage trail resources in accordance with Juan Bautista De Anza Trail Comprehensive Management Plan, NTSA, FLMPA, local RMPs, and agency policy and direction. Allowable Uses: Research, interpretation, recreation. Management Action: Designate Trail Management Corridor Management Action: Preserve historic and scenic value of the trail	National Historic Trails
Objective: Provide for maximum protection of significant paleontological resources. Management Action: Designate protection areas for significant paleontological localities.	Paleontology

Management Action: Prohibit casual collection of vertebrate fossils without a permit. Management Action: Increase ranger patrols in areas with highly sensitive fossils that are located near areas with highest public visitation, such as along hiking and OHV trails, and campsites. Objective: Increase public awareness of the paleontological values in ACEC. Management Action: Install informative signage and kiosks to ensure the public is aware of restrictions as well as provide general education about the unique and important resources Management Action: Promote organized hikes and site-seeing events to non-sensitive paleontological resource areas. Management Action: Develop interpretive programs and brochures that explain Lake Cahuilla paleontology.	
Objective: Protect the characteristic landscapes of the Yuha Basin, including the cultural/historic landscape crossed by the Anza NHT and proposed Butterfield Overland Trail. Management Actions: Minimize and mitigate visual impacts through prescriptions of applicable VRM class.	Visual Resources
Objective: To maintain trails and routes of travel to ensure the protection of cultural, ecological, and recreational values. Management Action: Mark the margins of BLM-designated OHV trails. Management Action: Provide signage and maps to the public to inform them of route locations and regulations. Management Action: Increase Ranger visits in areas sensitive resource areas. Management Action: Perform route restoration to erase illegal routes Allocation: OHV limited (designated routes and vehicle type) as per the WECO plan.	Trails and Travel Management
Objective: Reverse trend of resource degradation due to OHV and casual ORV use. Management Action: Prohibit competitive motorized vehicle recreation events within the ACEC. Action: Increase Ranger visits in areas sensitive resource areas. Objective: Promote dispersed recreation within the ACEC, including sight-seeing, camping, hunting, target shooting, hiking, and 4x4 touring. Management Action: Promote organized non-vehicular events (e.g., hiking and site-seeing tours) Allocation: OHV limited (designated routes and vehicle type) as per the WECO plan.	Recreation
Objective: Process ROW applications. Management Action: Review all ROW applications on a case-by-case basis. Management Action: Allow transmission line ROWs only within designated utility corridors.	Rights of Way
Objective: Retain federally owned lands and purchase inholdings. Management Action: Obtain inholdings through purchase or exchange.	Land Tenure

Objective: Minimize impacts resulting from geothermal energy development within the ACEC. Management Action: Review lease applications on case-by-case basis. Management Action: Prohibit solar and wind energy projects within the ACEC. Management Action: Prohibit additional energy transmission corridors inside the ACEC. Management Action: Encourage transmission lines to share infrastructure, reduce redundant poles and access roads in the transmission corridor.	Renewable Energy
Objective: Develop management guidelines for material sales. Management Action: Develop Sand and Gravel Activity Management Plan. Management Action: Permit geothermal leasing with stipulations as per Yuha Basin Proposed Geothermal Leasing Environmental Assessment.	Locatable Minerals Mineral Materials Non-Energy Leasable
The following plans apply to the management of the Yuha Basin: 1) Yuha Desert Management Framework Plan 2) Final EAR Yuha Basin/Mt. Signal Non-competitive Leases for Geothermal Exploration/Development 3) The California Desert Conservation Area Plan 4) Yuha Basin ACEC Management Plan 5) Oil and Gas Checklists 6) California Desert Plan Route Approval Process 7) Yuha Desert Wildlife Habitat Management Plan 8) WECO Route of Travel Plan	Other Management Plans

Yuha Basin



3 Miles

4 Kilometers

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Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

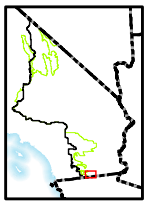
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

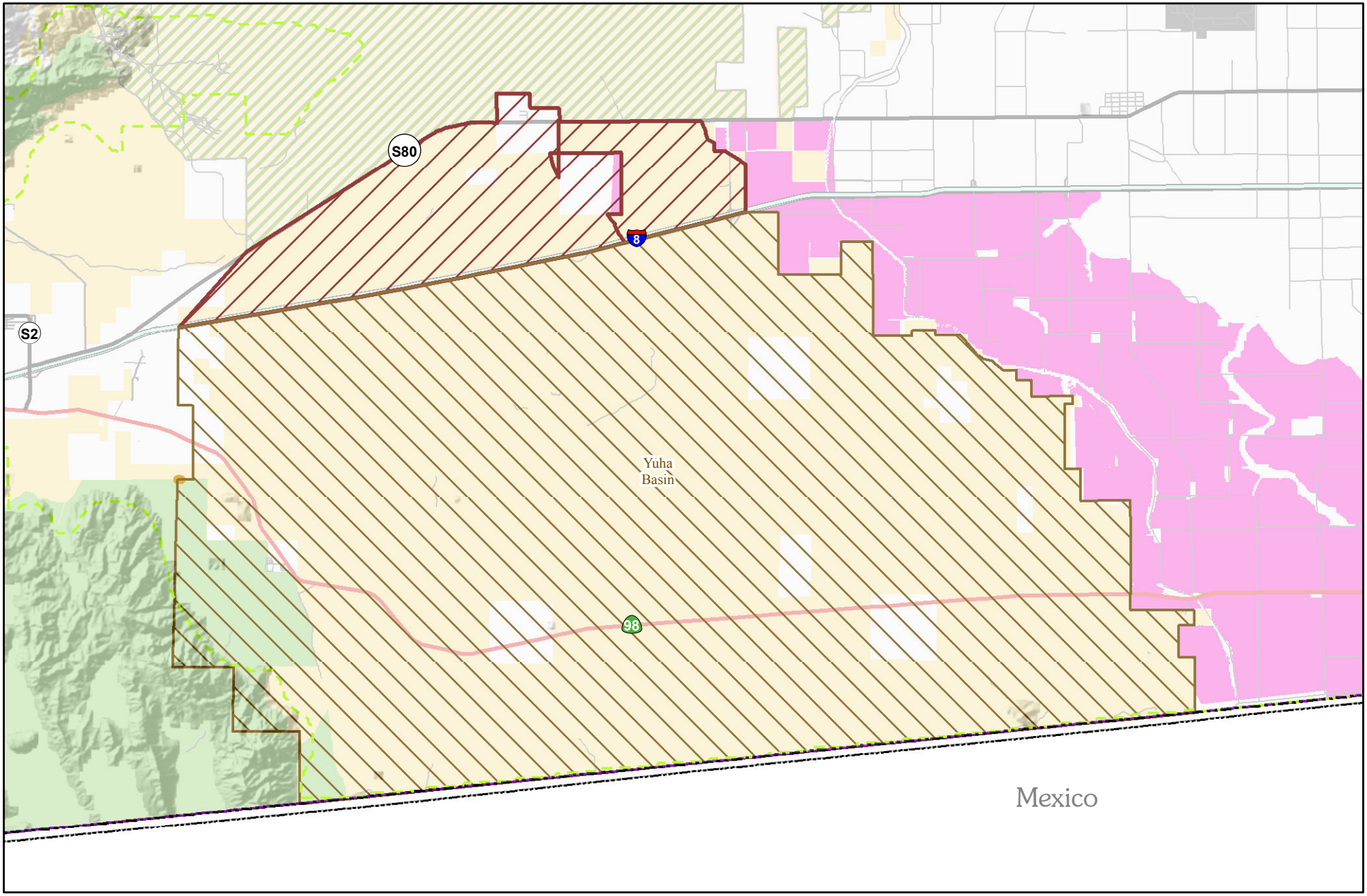
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Yuha Basin



3 Miles

4 Kilometers

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Alternative 1 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

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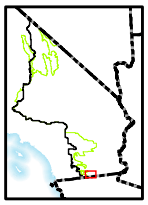
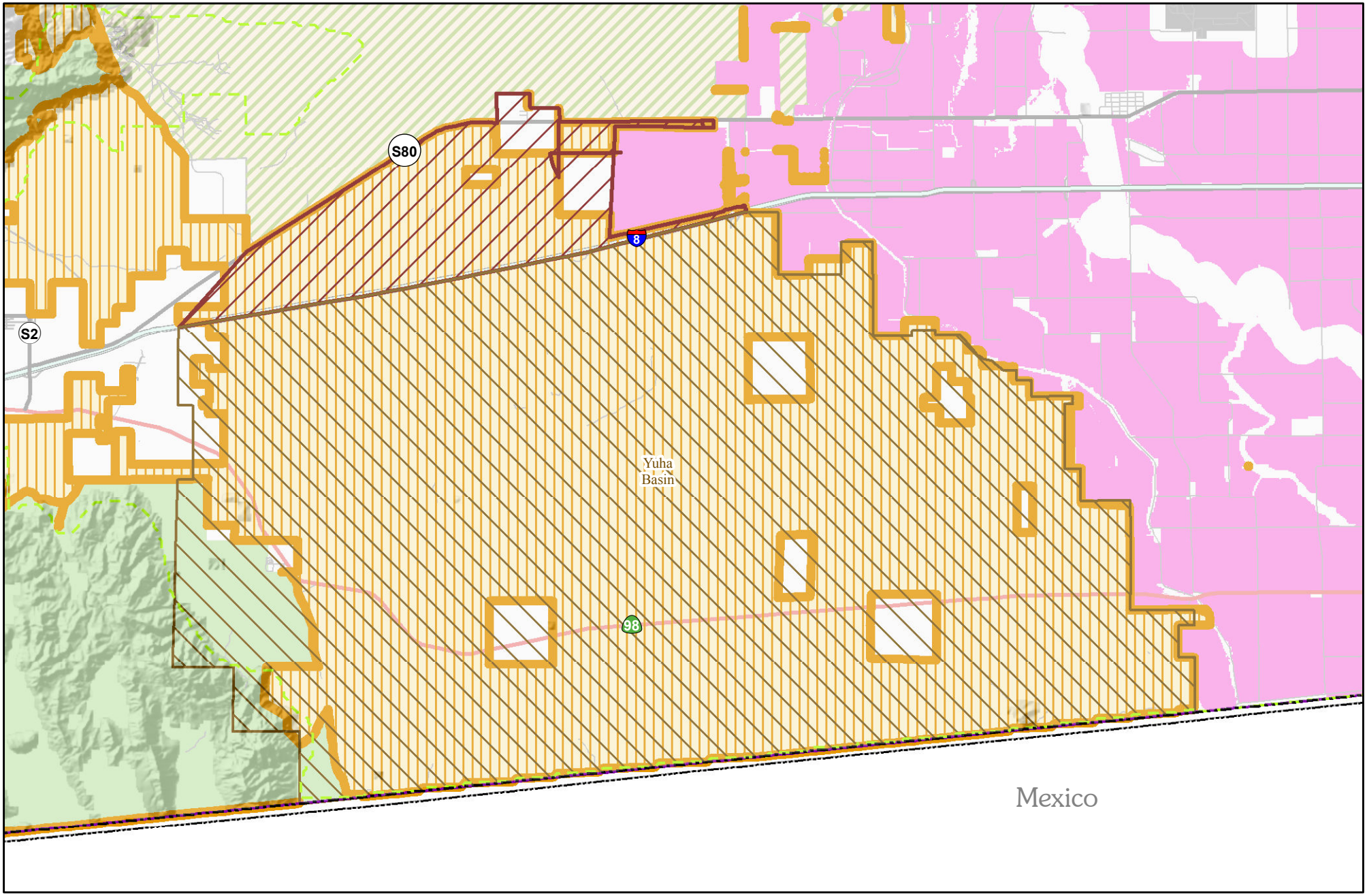
GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Yuha Basin



3 Miles

4 Kilometers

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Alternative 2 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

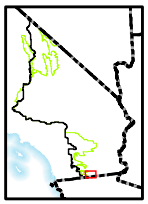
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

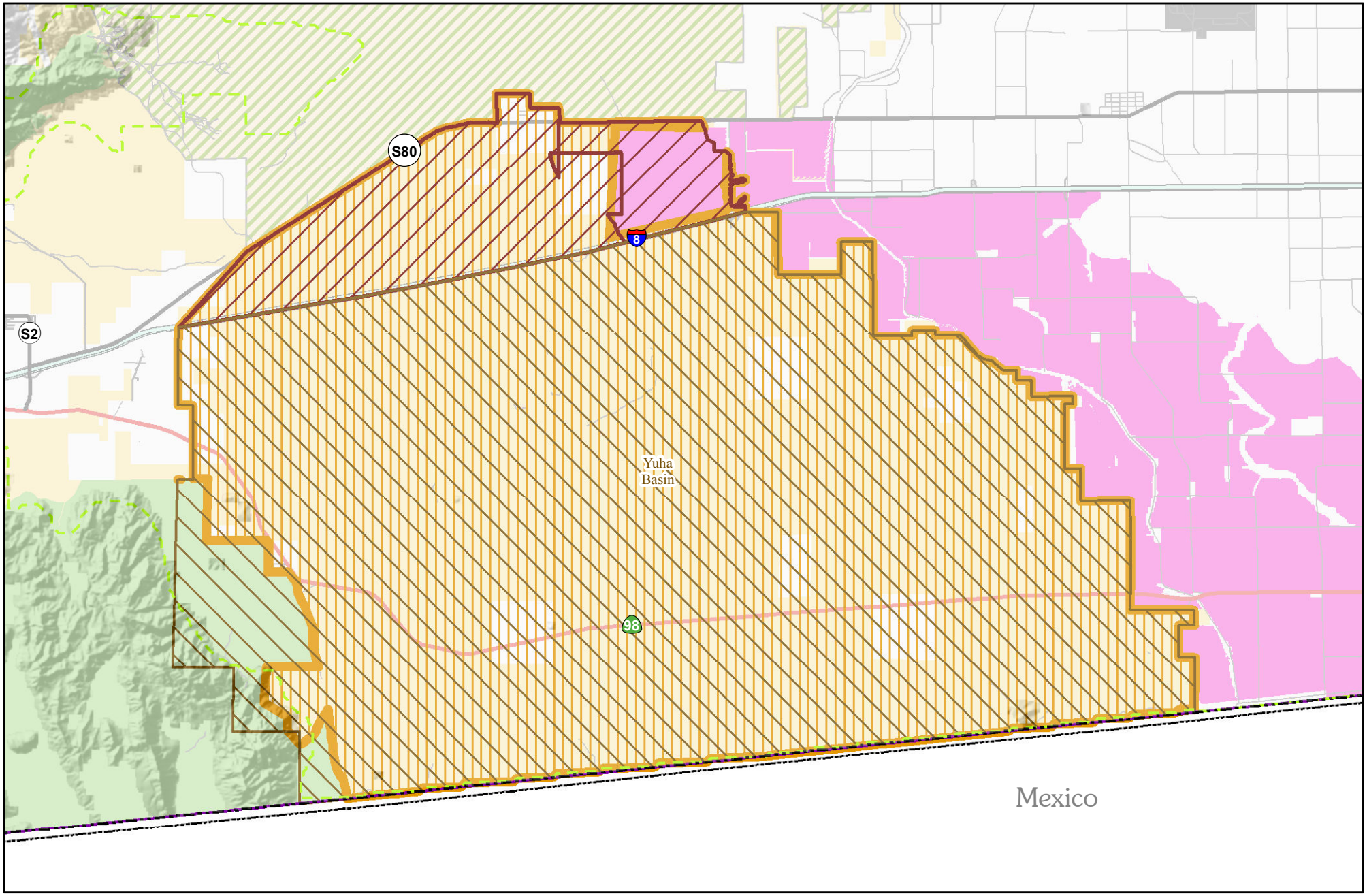
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Yuha Basin



3 Miles

4 Kilometers

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Alternative 3 ACECs

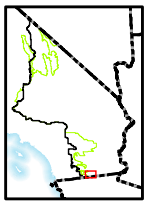
Date Printed: 5/29/2013

Prepared by BLM California State Office

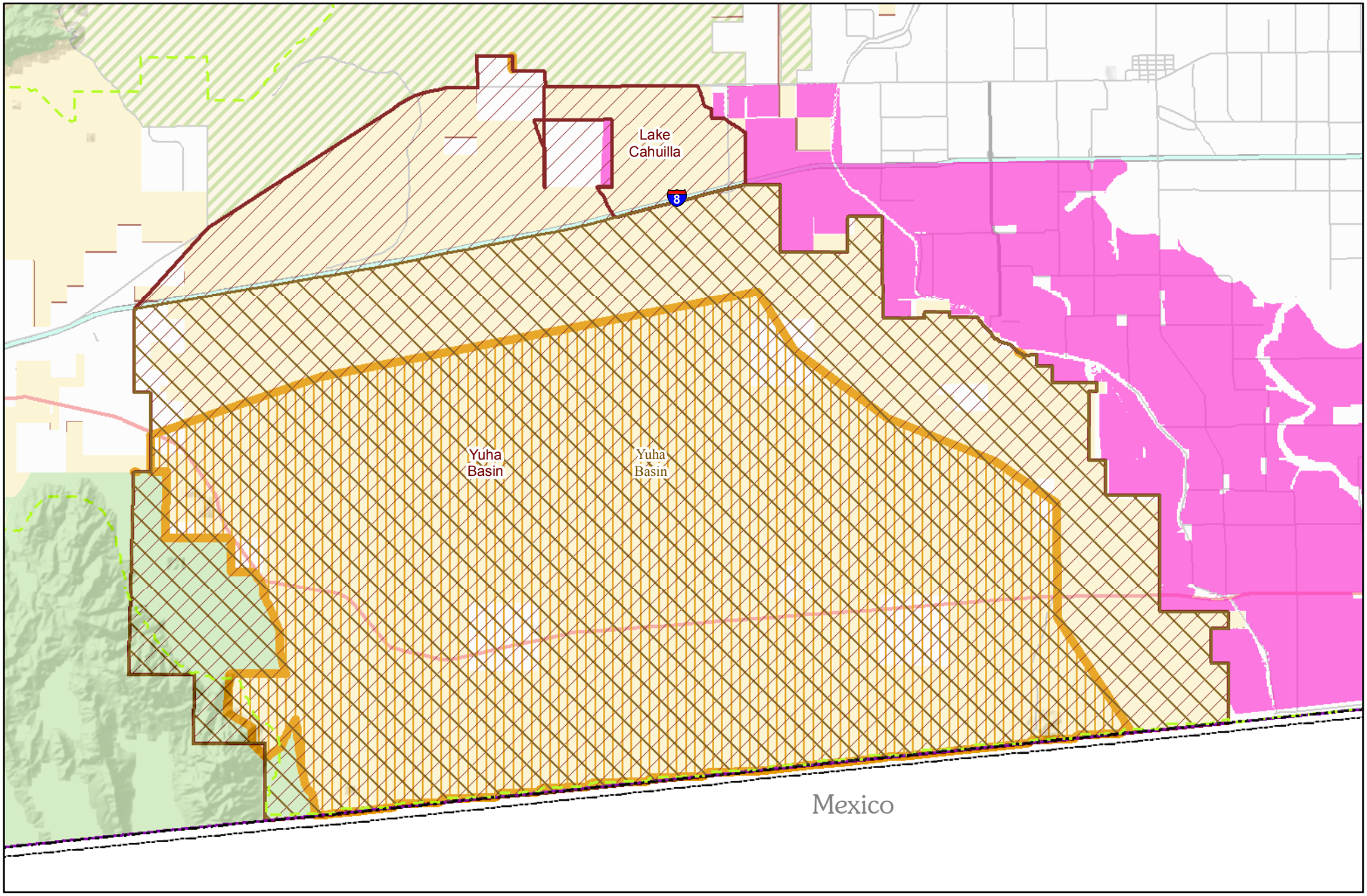
ACEC Layers
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

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

GTLF
- Interstate
- US Hwy
- CA Hwy
- County Hwy



Yuha Basin



2.5 Miles

3.5 Kilometers

N

Alternative 4 ACECs

Date Printed: 8/6/2014

Prepared by BLM California State Office

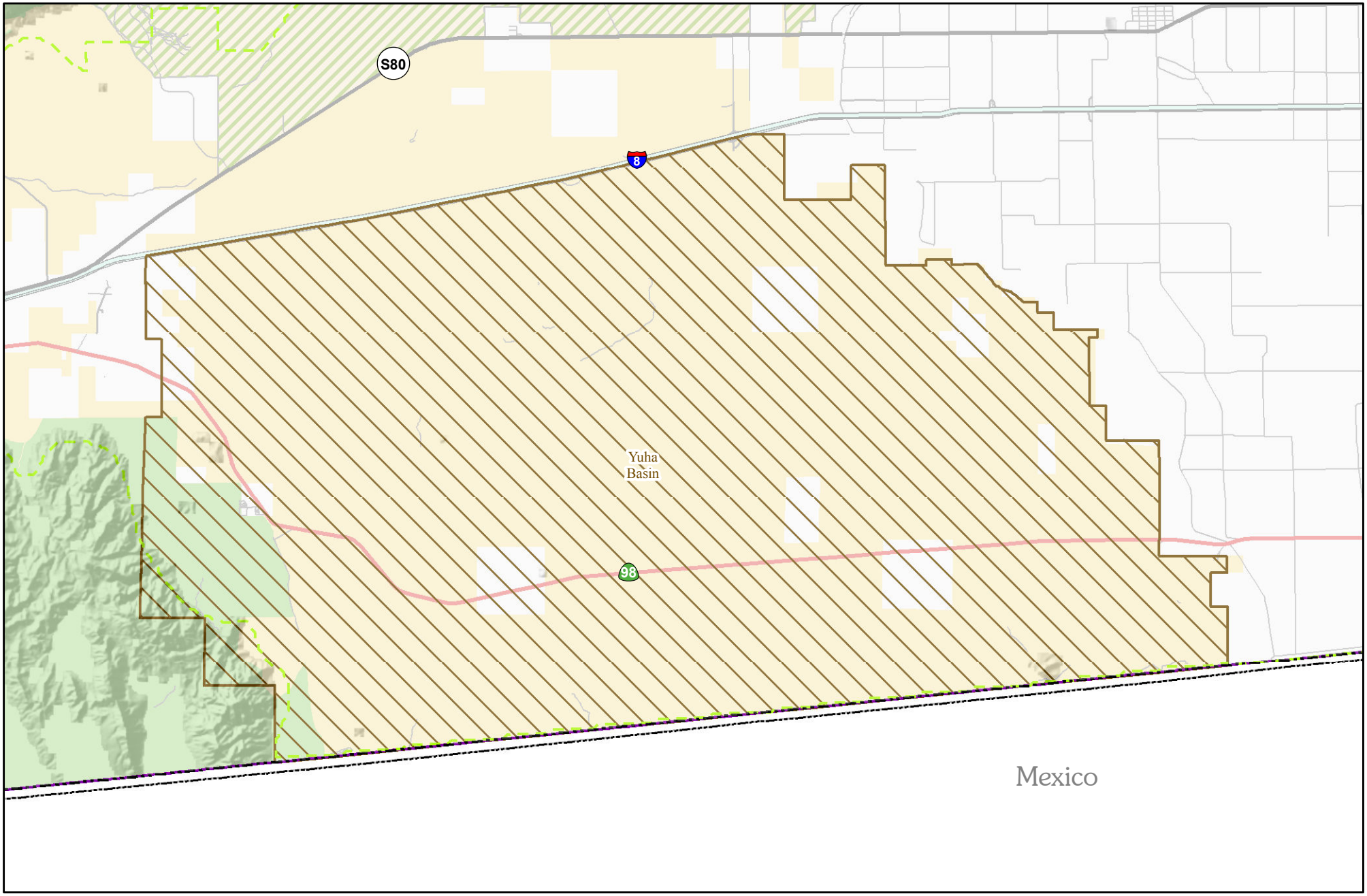
ACEC Layers
- Existing ACEC
- Proposed NLCS
- Proposed ACEC
- Proposed Wildlife Allocation
- Legislatively and Legally Protected

- 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

Yuha Basin



2.5 Miles

4 Kilometers

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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
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Land Status

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- Other Federal
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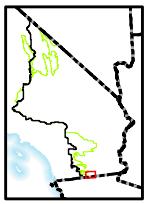
GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy