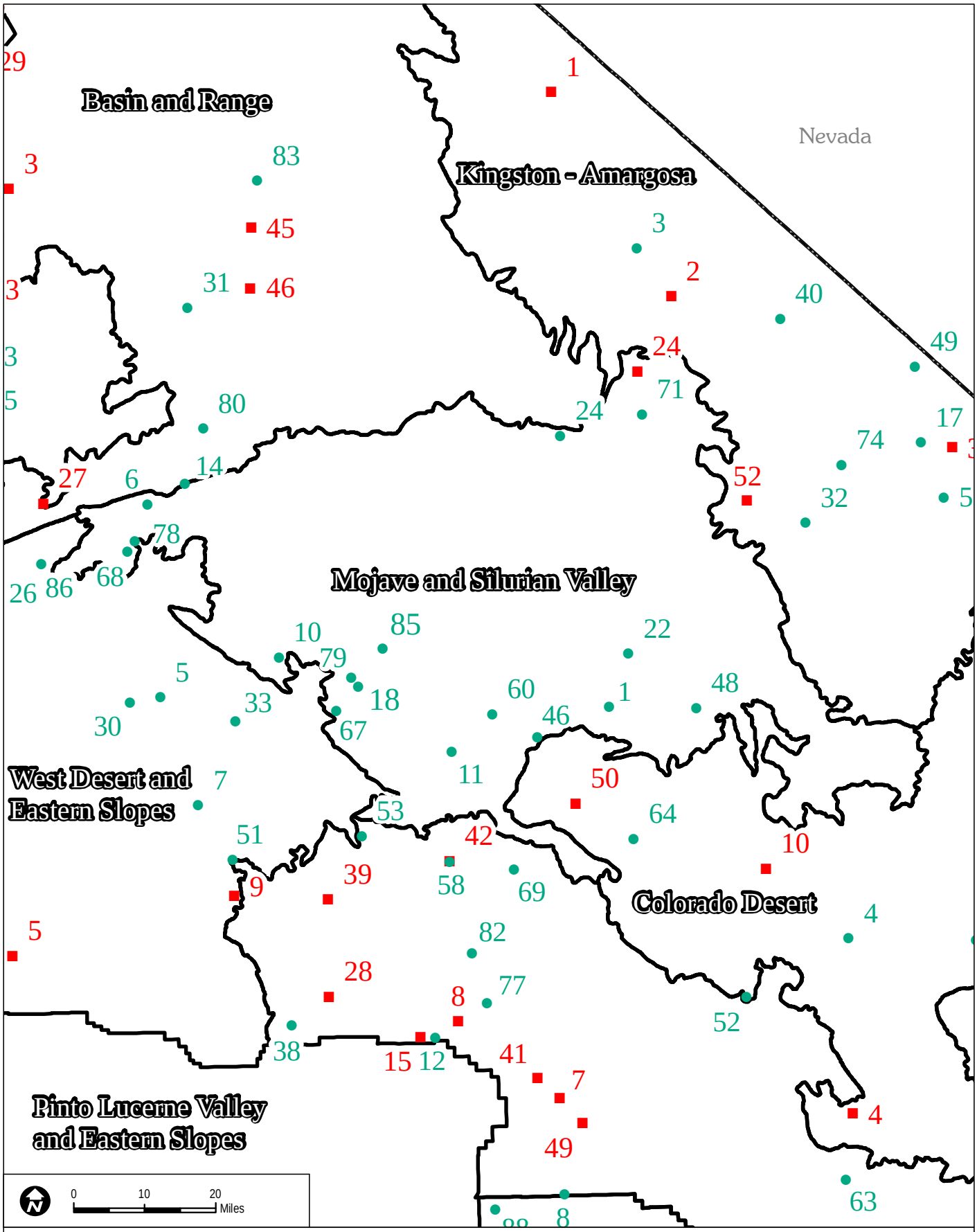


Existing Proposed DRECPSubareas

Mojave and Silurian Valley

ACECs within the Mojave and Silurian Valley Subarea

#	Proposed ACECs
24	Dumont Dunes Corridor (covered in Amargosa South, see Kingston-Amargosa subregion)

#	Existing ACECs (within DRECP boundary)
1	Afton Canyon
6	Bedrock Spring
10	Black Mountain
11	Calico Early Man Site
18	Coolgardie Mesa
22	Cronese Basin
24	Denning Springs
46	Manix
48	Mesquite Hills/Crucero
60	Parish's Phacelia
67	Rainbow Basin/Owl Canyon
68	Red Mountain Spring
71	Salt Creek Hills
78	Steam Well
79	Superior-Cronese
85	West Paradise

Dumont Dunes Corridor
Description/Location: This unit covers the area between the southern border of the Dumont Dunes OHV Open Area and the Kingston Range Wilderness Study Area and then parallels the west side of State Highway 127 south to Soda Mountains Wilderness Study Area. **Nationally Significant Values:** Cultural: The area is within the congressionally designated Old Spanish Trail corridor. This area has a pristine historic landscape that has been identified as having an exceptional value as a recreational value for a driving experience to view the landscape as it was during the period of trail usage. Through the years, the Silurian Valley has seen little development and the valley remains much as it was during the Old Spanish Trail period of use with the exception of the paving of Highway 127, which for the most part follows the course of the Old Spanish Trail/Mormon Road/Salt Lake Road/Santa Fe Trail. The historic setting meets criteria for inclusion to the National Register of Historic Places. **Special Designations/Management Plan/Date:** Newly Proposed. **Relevance and Importance Criteria**: Cultural: The area is within the congressionally designated Old Spanish Trail corridor. This area has a pristine historic landscape that has been identified as having an exceptional value as a recreational value for a driving experience to view the landscape as it was during the period of trail usage. Through the years, the Silurian Valley has seen little development and the valley remains much as it was during the Old Spanish Trail period of use with the exception of the paving of Highway 127, which for the most part follows the course of the Old Spanish Trail/Mormon Road/Salt Lake Road/Santa Fe Trail. The historic setting meets criteria for inclusion to the National Register of Historic Places. Ecological: This corridor also provides important plant and wildlife connectivity between surrounding Wilderness and Wilderness Study Areas which encompass large blocks of intact habitat blocks. **Goals:** The management objective for the Dumont Dunes Corridor is to protect a variety of cultural sites present on federal lands associated with the Old Spanish Trail and to provide connectivity between surrounding large blocks of intact wildlife habitat. **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	0	11,500	0	1%
1	10,800	10,800	0	0.10%
2	10,800	10,800	0	0.10%
3	11,500	11,500	0	1%
4	10,500	10,500	0	0.10%

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

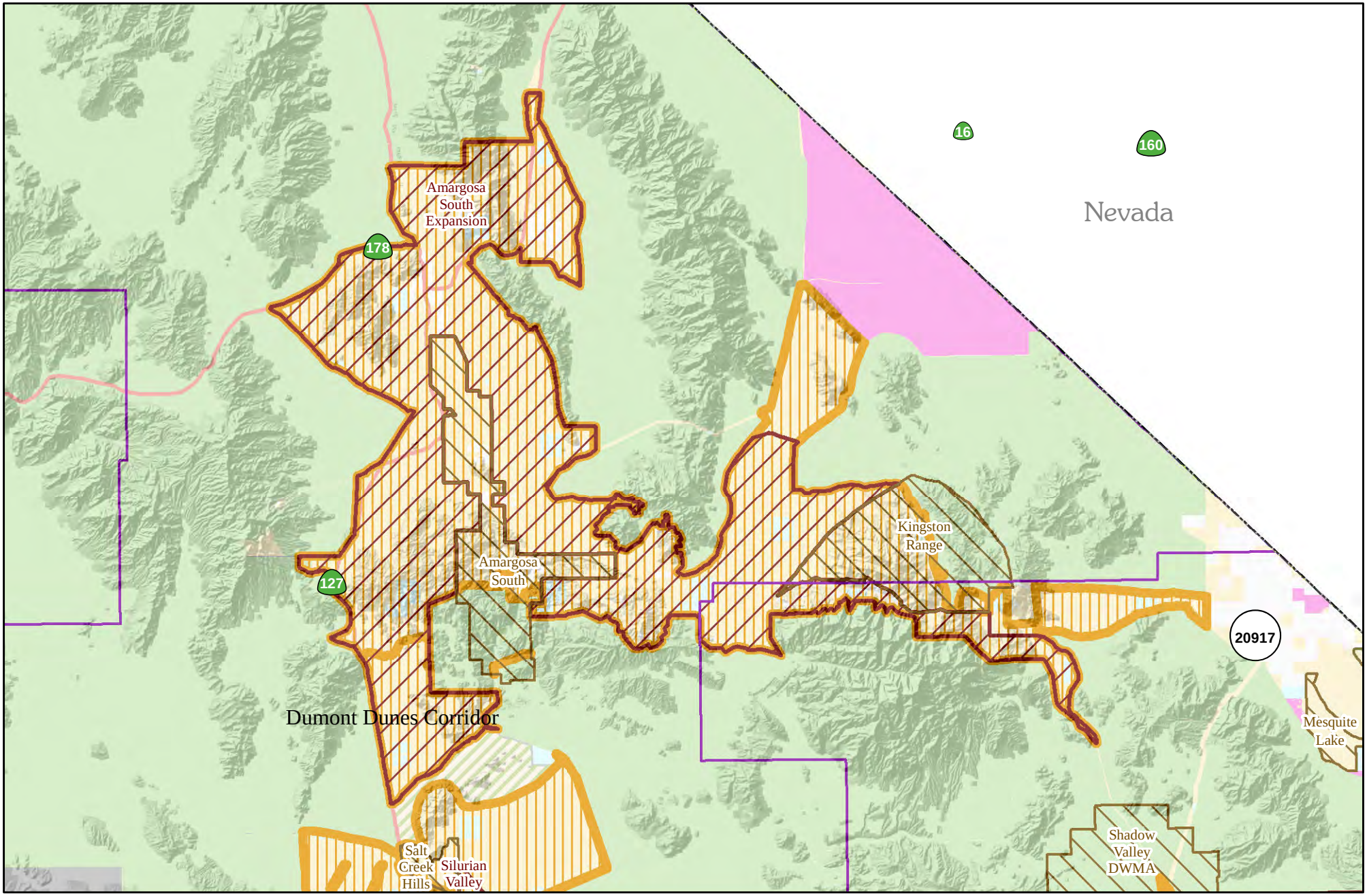
Alternatives:

All Action Alternatives: this ACEC would be designated and managed to achieve state goals.

No Action: This ACEC does not exist.

Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Provide for increased protection of sensitive plant species Management Action: Initiate periodic surveys of the ACEC to locate sensitive plant populations and if any are located, take necessary precautionary measures deemed appropriate by a botanist to assure continued survival	Vegetation - Including special status species
Objective: Manage for the protection of sensitive wildlife species Special Status Species: Desert bighorn sheep (*Ovis canadensis nelsonii*), Desert tortoise, Banded gila monster, Golden eagle Management Action 1: Survey for BLM sensitive species, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions Management Action 2: Maintain unencumbered connectivity along the corridor and between surrounding habitat blocks	Fish and Wildlife Including special status species
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
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

Dumont Dune Corridor



7.5 Miles

10 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

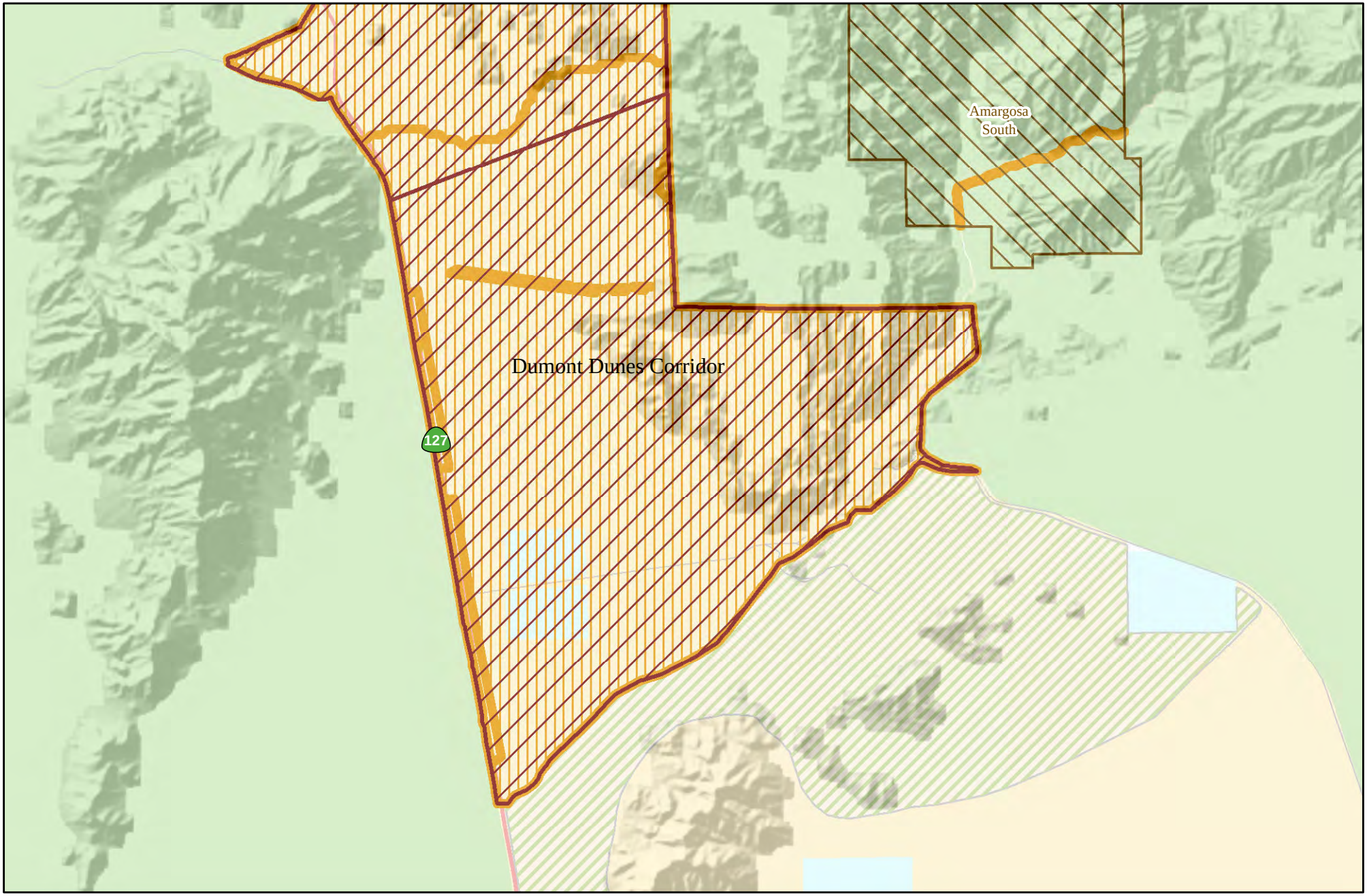
Prepared by BLM California State Office

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

Dumont Dunes Corridor



1.5 Miles

2 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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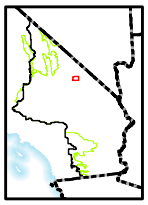
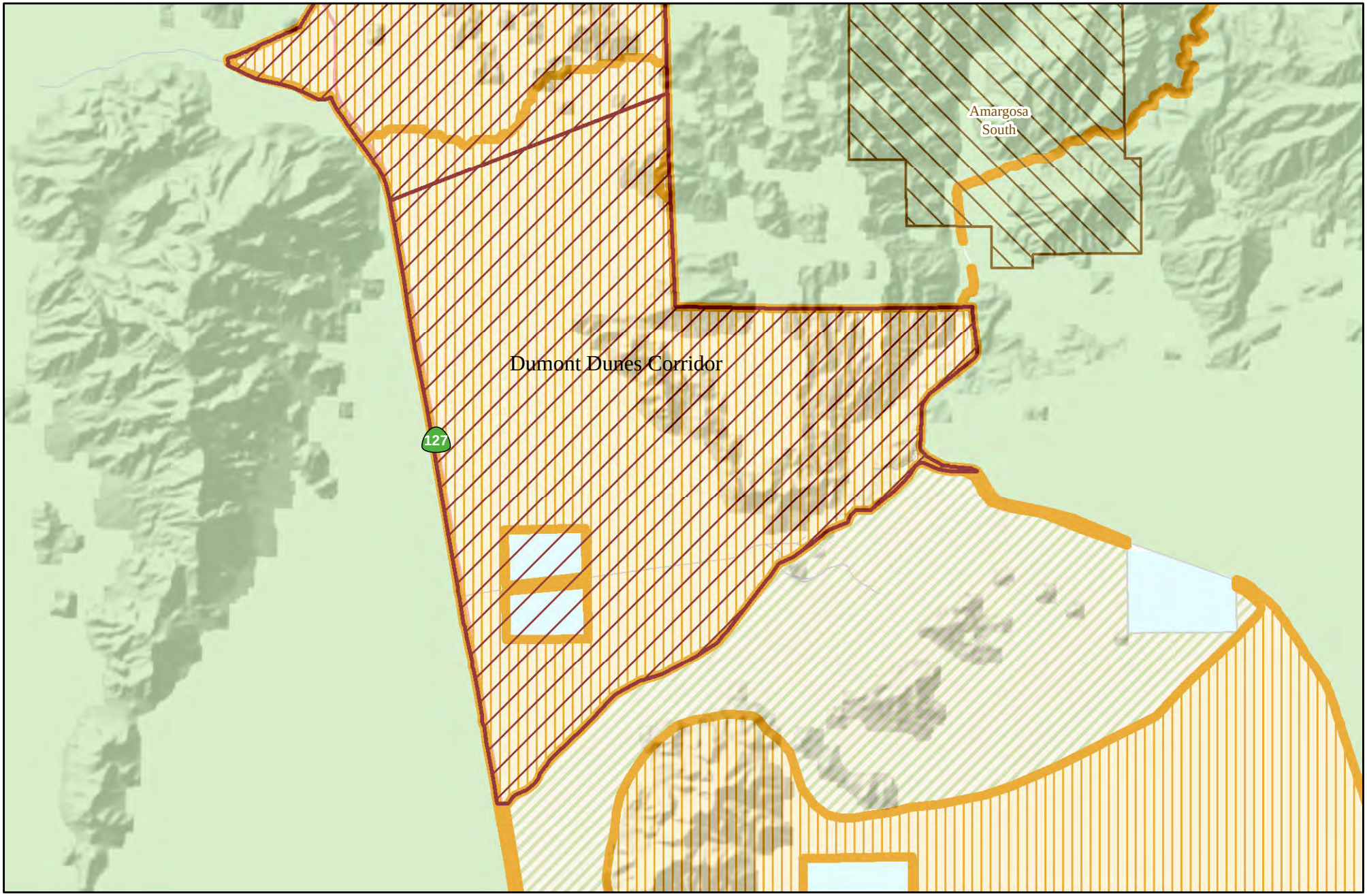
- County Hwy



Dumont Dunes Corridor



1.5 Miles

2 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
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Land Status

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GTLF

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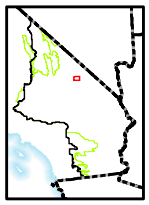
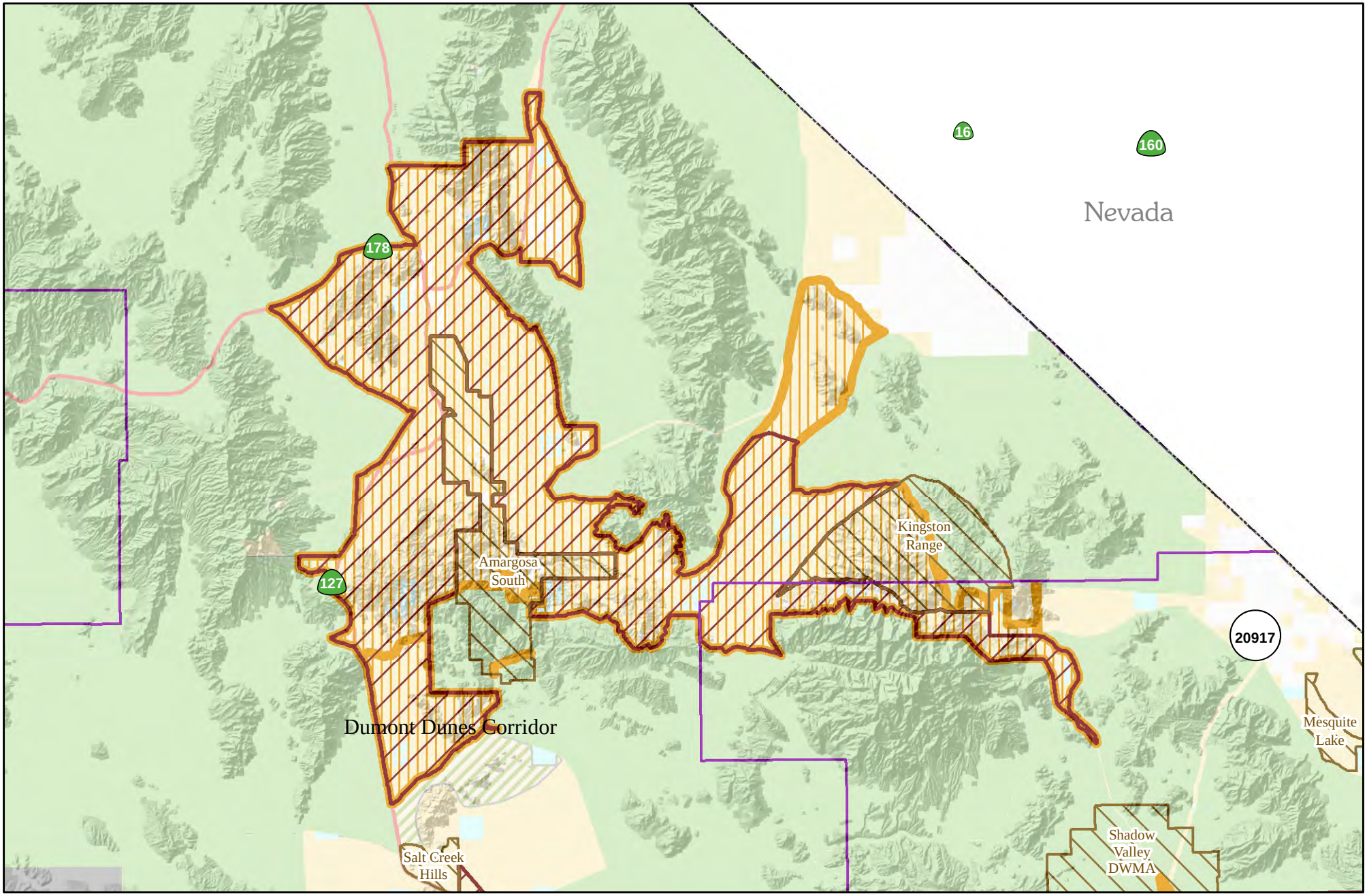
- CA Hwy
- County Hwy



Dumont Dunes Corridor



7.5 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
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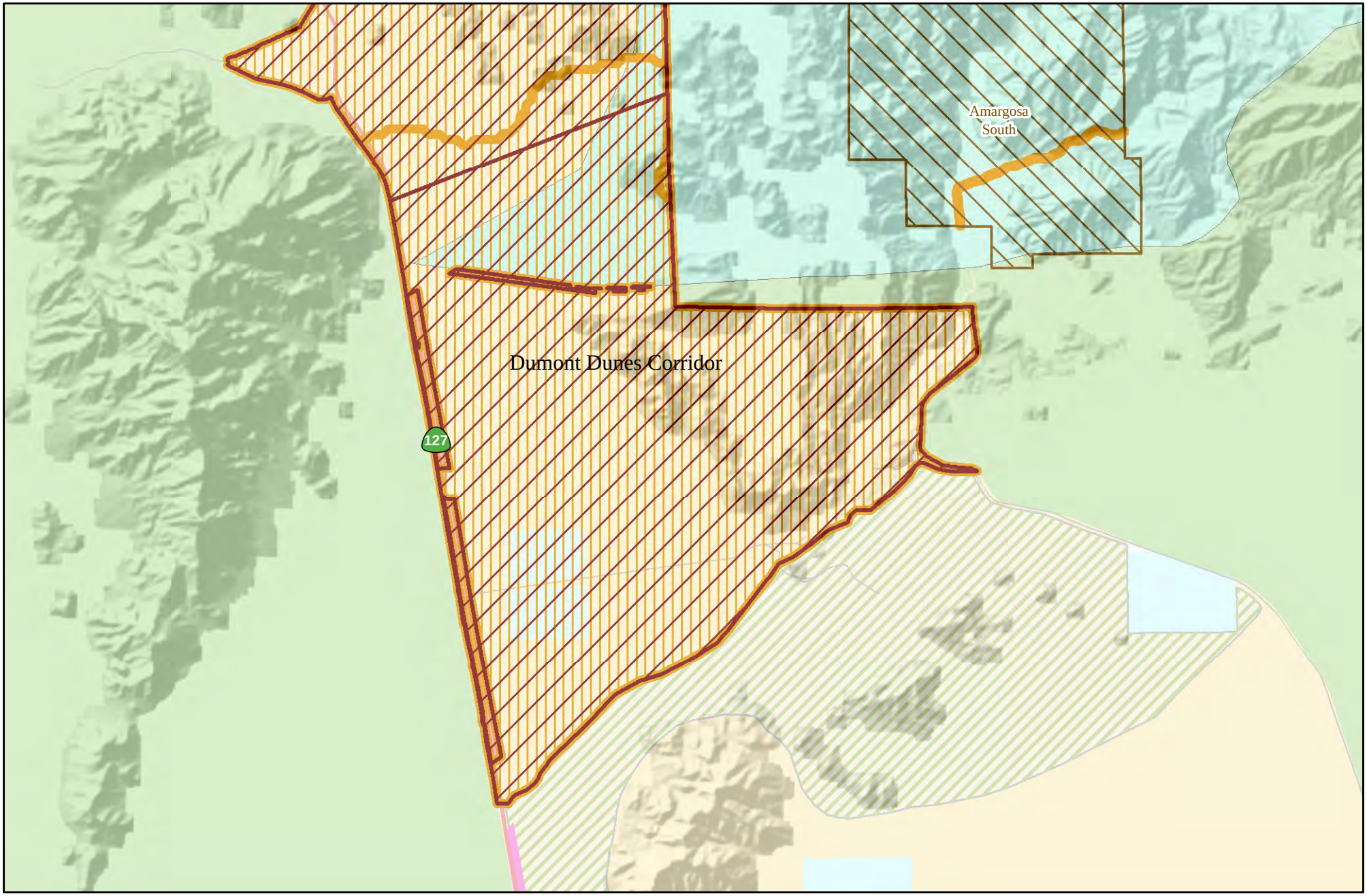
GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

Dumont Dunes Corridor



1.5 Miles

2 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

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- CA Hwy
- County Hwy

Afton Canyon
Description/Location : Located 37 miles east of Barstow along Mojave River. Encompasses Afton Canyon and adjoining public lands, including eligible wild and scenic river segment. Accessible from I-15. Includes a northern segment of the Cady Mountains WSA and is adjacent to and west of the Rasor OHV Open Area. **Nationally Significant Values:** Ecological: This unit is marked by permanent flowing water in one of the driest desert areas on the continent serving as a magnet for a diversity of plant and wildlife species, including many special status species. This unit provides landscape connectedness with nearby Wilderness and an adjacent Wilderness Study Area. Cultural: The Mojave Road and the Congressionally designated Old Spanish National Historic Trail pass through the canyon which is a relatively pristine landscape that allows visitors to experience the conditions during the western expansion of the country. **Special Designations/Management Plan/Date:** Management Plan for Afton Canyon Natural Area and Surrounding Area May 1989. Under all alternatives, this plan would be updated to incorporate protective management objectives for the eligible segment of the Mojave Wild and Scenic River Segment to ensure that the tentative classification and associated Outstanding Remarkable Values (ORVs), water quality and free-flowing conditions are protected or enhanced. **Relevance and Importance Criteria**: Relevant Riparian, hydrologic, scenic, geological, paleontological historical and Native American values. One of three locations where Mojave River has surface flows. High potential site for Old Spanish National Historic Trail. Scenic "Grand Canyon of the Mojave" with spectacular erosional stratigraphy; Special status plants-- unusual riparian plant assemblage that is rare in the desert environment. Number and diversity of wildlife species is high for the region. Numerous birds of special management concern such as vermillion flycatcher summer tanager, yellow warbler, yellow breasted chat, nesting raptors. Manix fault represents significant geology; permanent water has made area focus of human activity for past 12,000 years; significant way station on historic trade and migration route (Mojave Road); includes one of only well-studied rancholabrean age fossil assemblages. A 2.7 mile segment of the Mojave River within the ACEC was found to be eligible for Wild and Scenic River designation. **Goals:** Protect and enhance cultural, biological and scenic values of area, the eligible wild and scenic river segment ORVs, and the free flowing nature and water quality while providing for compatible public 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	8,800	0	NA
Preferred Alternative	7,100	8,800	0	1%
1	4,000	8,800	0	1%
2	8,800	8,800	0	1%
3	7,100	8,800	0	1%
4	4,000	8,800	0	1%

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

Alternatives:

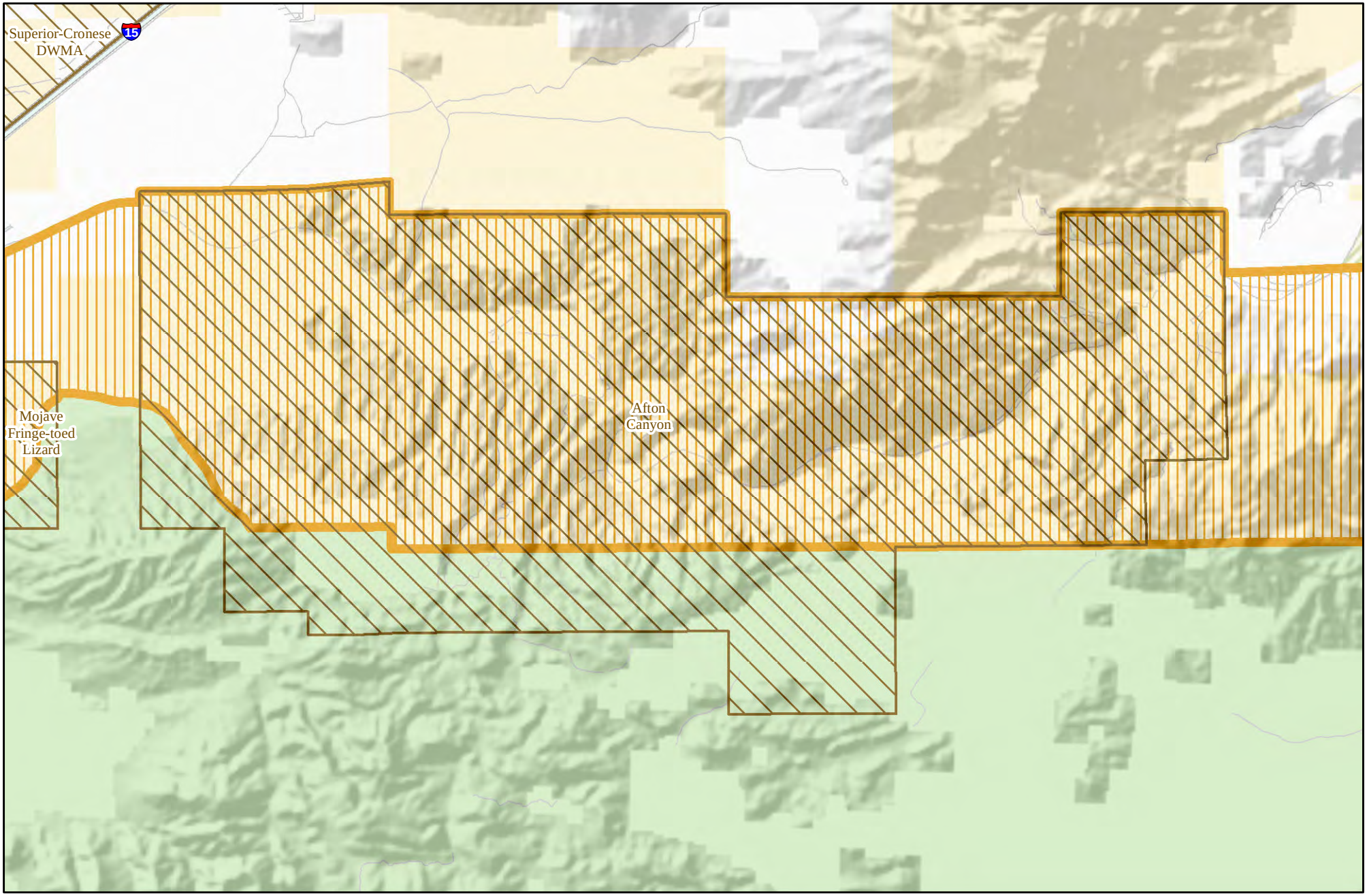
All Alternatives – this existing ACEC would continue to be managed as it currently is.

Objectives (desired future conditions) /Allowable Uses/Management Actions	**Resource**
Objective: Retain existing flow regime and volume Management Action: Secure Federal Reserve Water Right Objective: Reduce peak water temperatures during summer months Management Action: Plant riparian vegetation and fence from livestock	Soil, water, air
Objective: Improve condition of riparian habitat to proper functioning condition Management Action: Remove invasive tamarisk	Vegetation – Including special status species
Objective: Improve habitat for desert bighorn sheep Management Action: Establish supplemental water sources Objective: allow for movement of plants and animals in response to climate change and to accommodate genetic mixing Management Action: maintain species connectivity through the canyon	Fish and Wildlife – Including special status species
Objective: General Management of Cultural Resources Management Action: See programmatic ACEC cultural resources objective and action items in general cultural resource rules	Cultural Resources
Objective: General Management and Protection of Paleontological Resources Management Action 1: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act.	Paleontology

Management Action 2: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed	
Objective: Maintain recreational opportunities while avoiding impacts to other resources Allowable Uses: Limited motorized use to designated roads and trails Management Action: Designate roads and trails	Trails and Travel Management
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 Trails
Refer to the Afton Canyon Special Recreation Management Area (SRMA) write-up for detailed objectives, allocations, and management direction Objective: Provide dispersed opportunities focused on enjoyment of the unit qualities, provide opportunities for equestrian use and group gatherings Allowable Uses: Camping in three designated campgrounds only Campfires limited to designated campgrounds Firewood collection prohibited No target shooting Management Action 1: Provide for group camping and equestrian facilities Management Action 2: Develop interpretive materials highlighting area values Management Action 3: Develop campground host program	Recreation
Objective: Enhance management continuity Management Action: Acquire all inholdings from willing sellers	Land Tenure
Objective: Protect resource values Allowable Uses: Entire area is ROW exclusion area except for inholder access. Management Action: Do not authorize ROWs within the ACEC	Rights of Way (ROW)
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: Protect biological and cultural resources Allowable Uses: No locatable mineral entry No mineral material sales No-surface occupancy Management Action: Withdraw entire area from locatable mineral entry	Locatable Minerals Mineral Materials Non-Energy Leasables

Objective: Protect biological resources Allowable Uses: Available for grazing – No grazing in riparian area Management Action: Fence Riparian Area	Livestock grazing
Objective: Manage as burrow-free area Management Action: Remove burros from area	Wild Horses and Burros

Afton Canyon



1 Miles

1.5 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

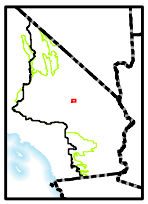
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

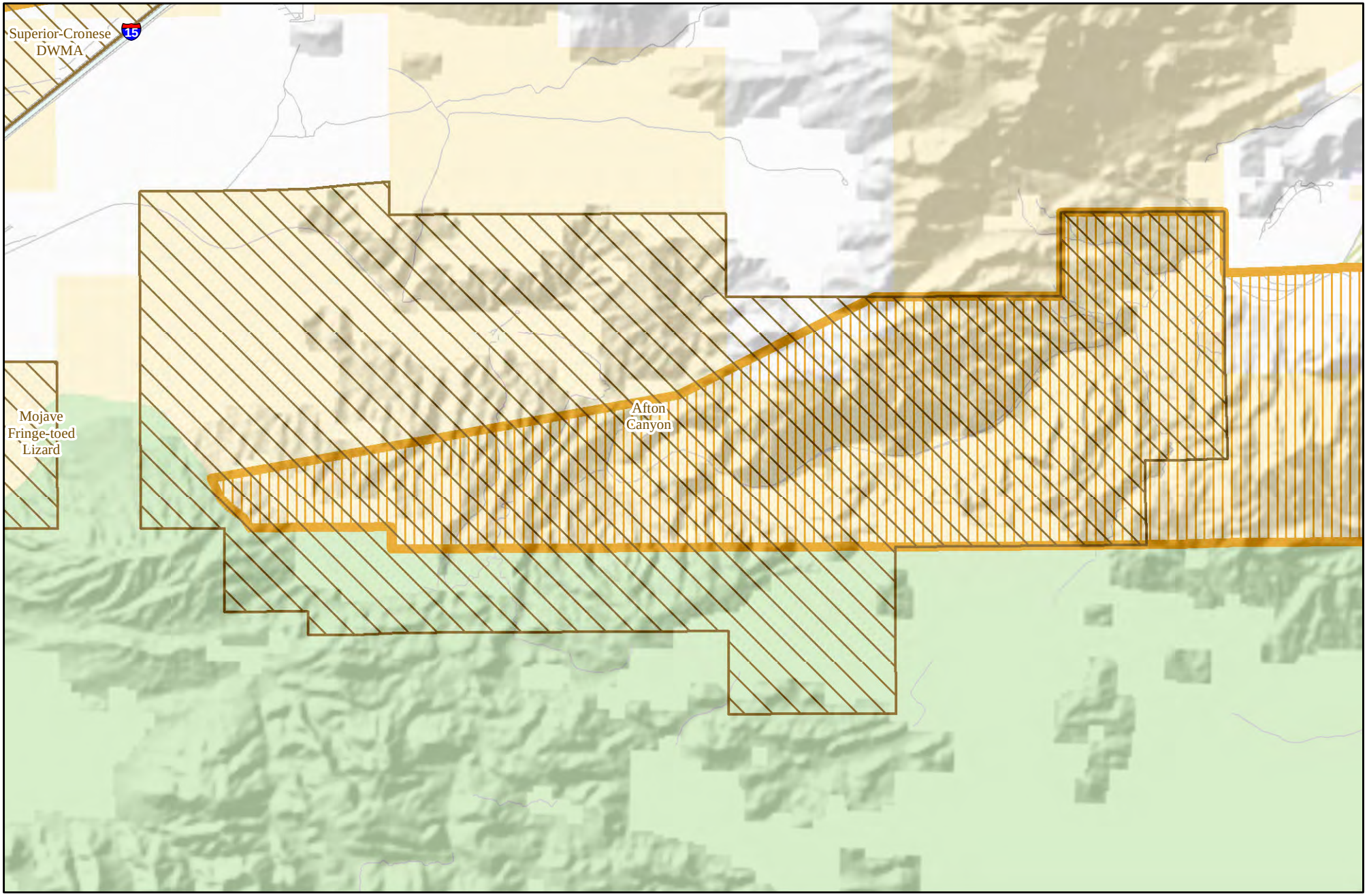
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Afton Canyon



1 Miles

1.5 Kilometers

N

Alternative 1 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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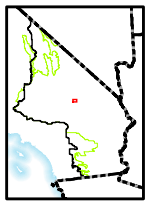
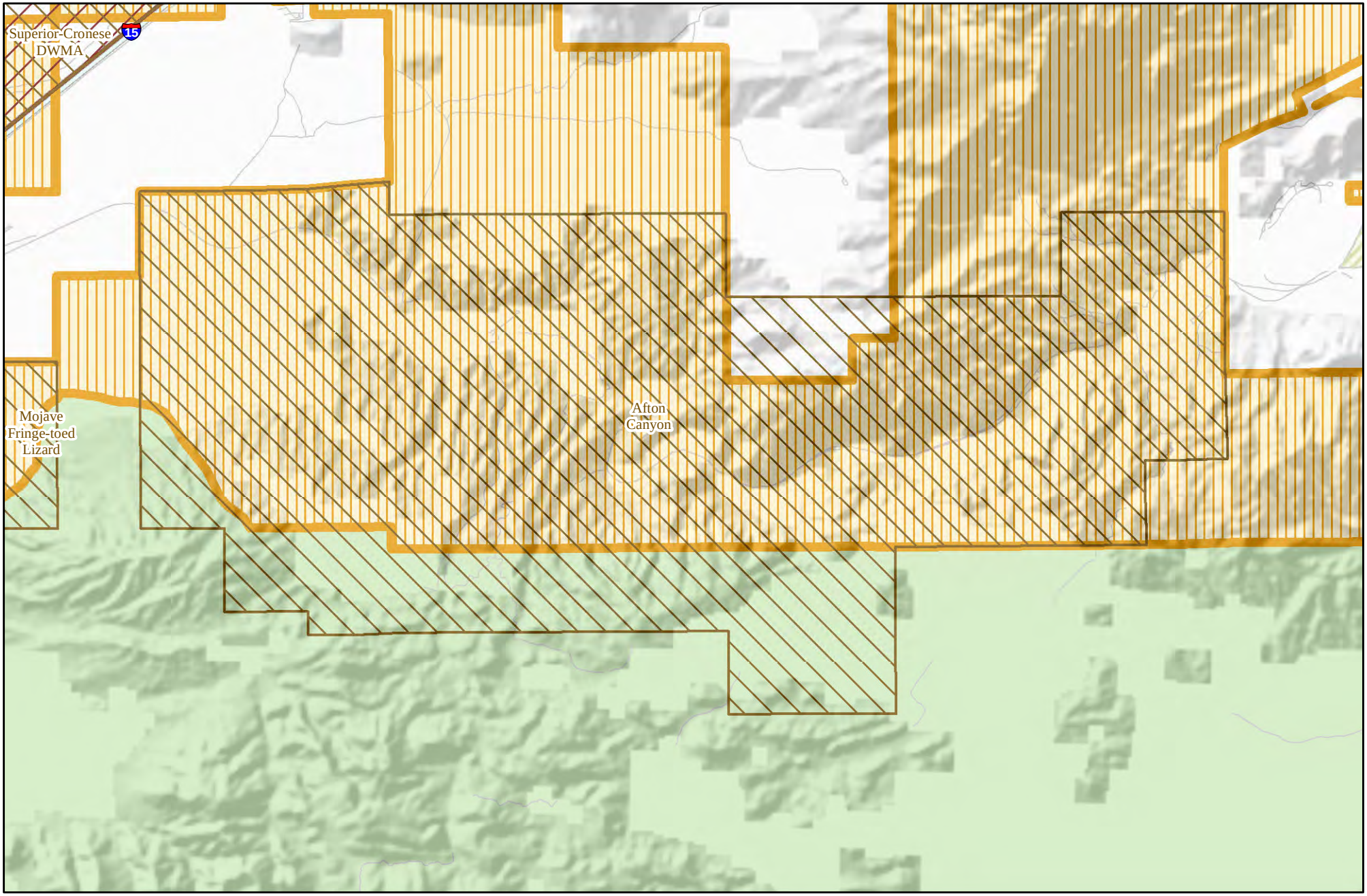


Afton Canyon



1 Miles

1.5 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
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GTLF

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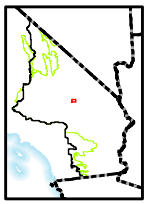
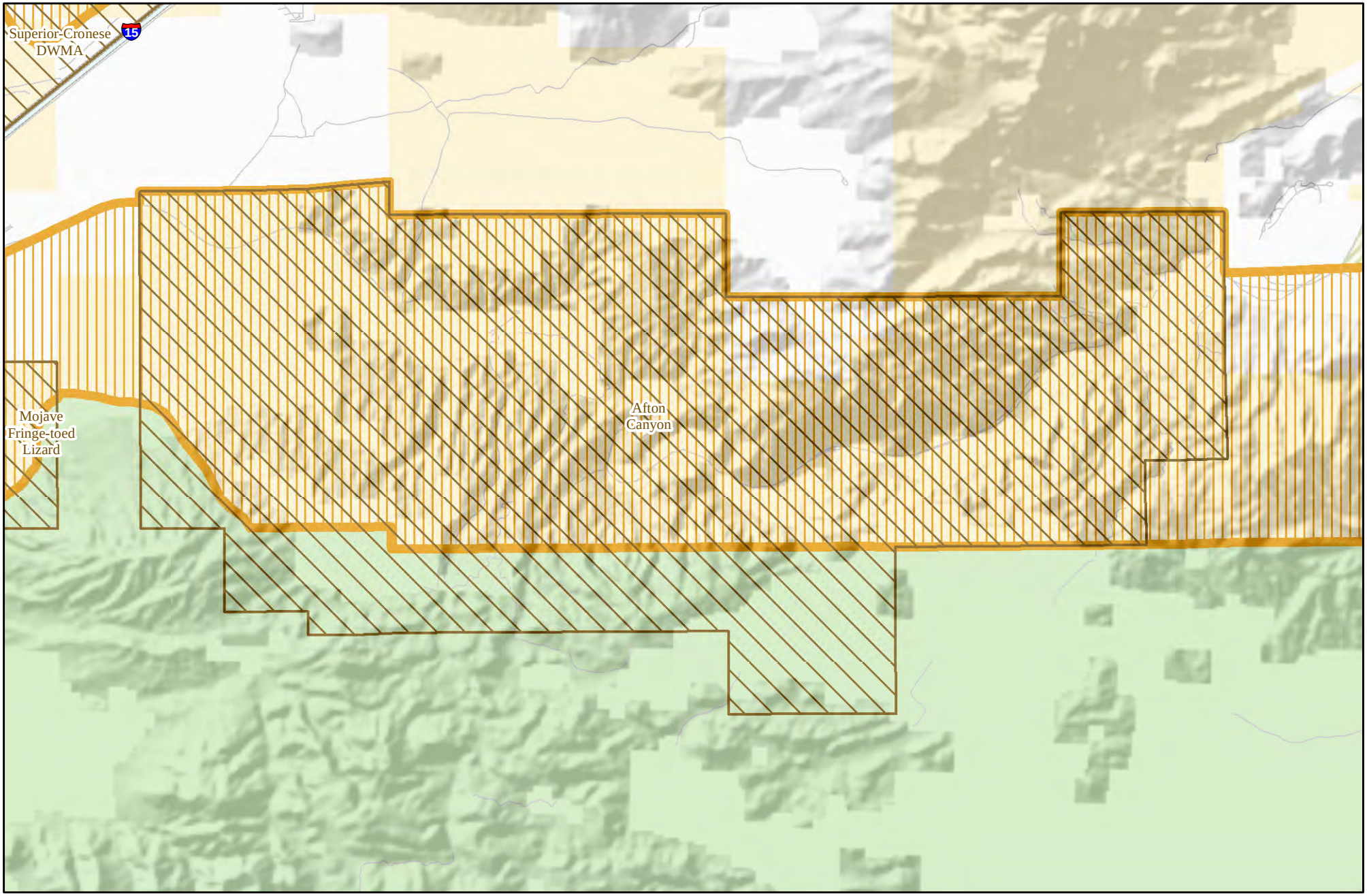


Afton Canyon



1 Miles

1.5 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
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Land Status

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GTLF

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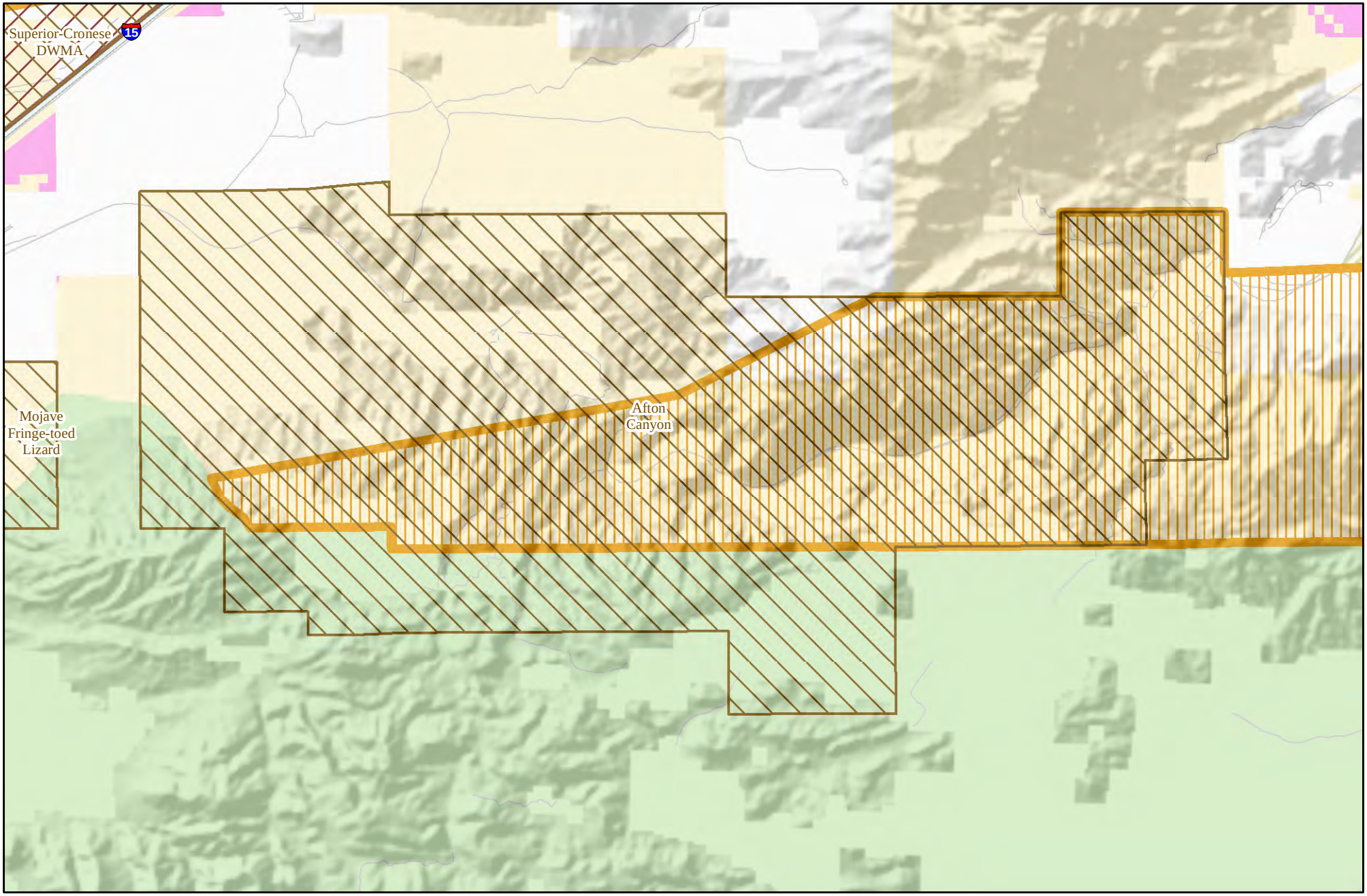
Afton Canyon



1 Miles

1.5 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
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Land Status

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GTLF

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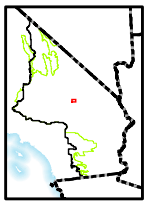
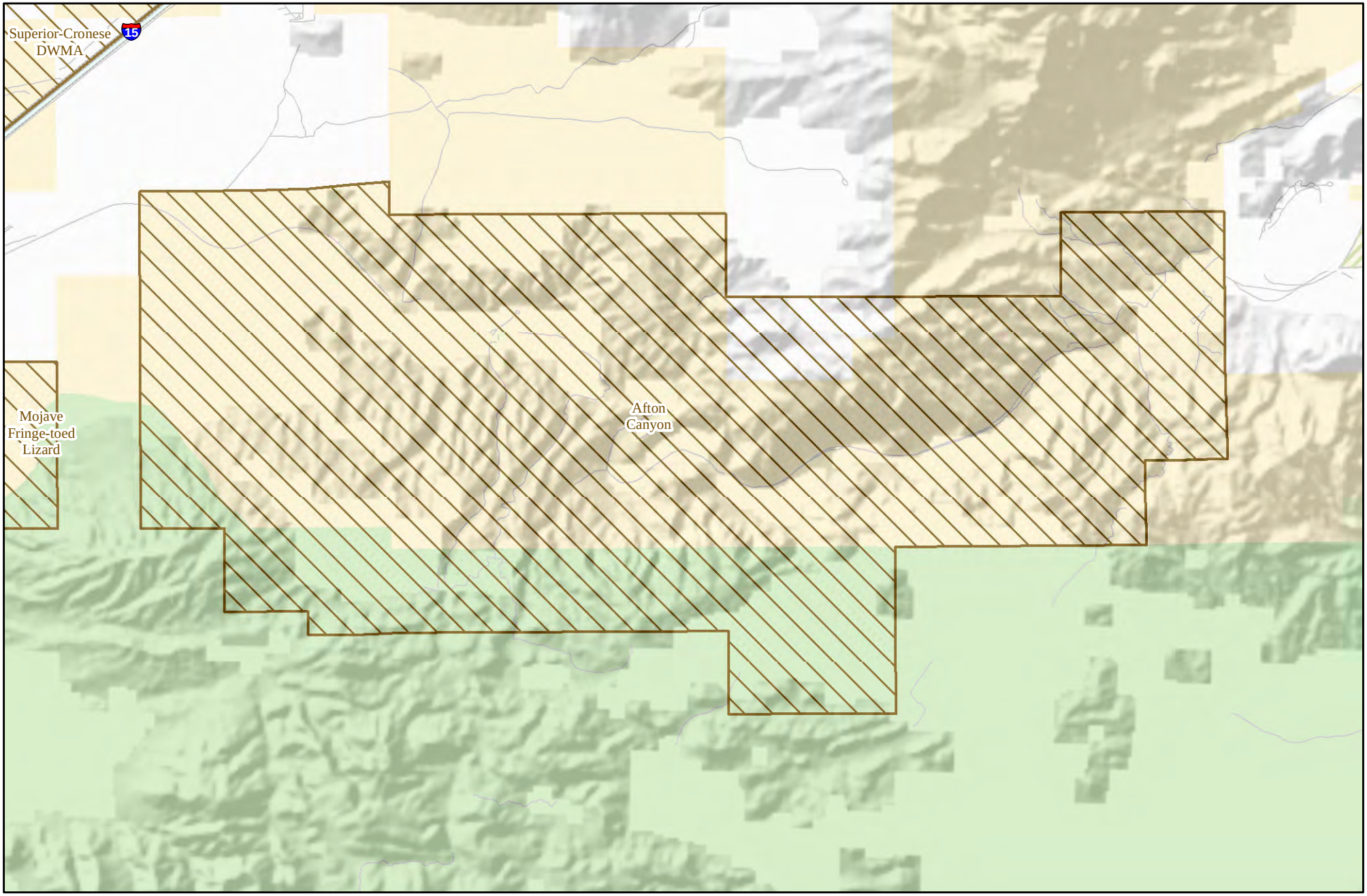


Afton Canyon



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
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Land Status

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Bedrock Springs
Description/Location: Located nine miles northeast of Red Mountain and fifteen miles southeast of Ridgecrest, California in northwestern San Bernardino County. Bedrock Springs spans a major wash dividing the Summit Range from the Lava Mountains. **Nationally Significant Values:** Cultural: As the only known spring on the north side of the Lava Mountains, Bedrock Spring and the associated natural resources represented a major focus for prehistoric occupation in this area. The prehistoric sites represent the base of operations for exploitation of the larger surrounding territory where water resources were limited. The richness and depth of deposit within the Bedrock Springs complex suggest a long-term occupation. The Bedrock Springs sites are considered eligible for listing on the National Register, were nominated in 1982, but were not listed based on a need to further refine the boundary of the district. Scientific: Cultural resource excavations completed at sites within Bedrock Springs have yielded intact cultural deposits in excess of 100 centimeters below ground surface. The data from these deposits can be used to answer questions about paleoclimates and paleoenvironments and a broad range of questions about human behavior in the past. **Special Designations/Management Plan/Date:** Designated ACEC,CDCA Plan 1980, Bedrock Springs Management Plan 09/30/ 1987 (CA-060-ACEC-24), Nominated as an Archaeological District to the National Register of Historic Places, 1982. ACEC Amendment, West Mojave Plan 01/2005 (D.1.3) **Relevance and Importance Criteria**: Relevant cultural resources. This ACEC was designated due to the presence of prehistoric cultural resources. Bedrock Spring is the only known spring on the north side of Lava Mountains and represented a major focus for prehistoric occupation in this area. This area is also included in the Mohave Ground Squirrel Conservation Area. **Goals:** To conserve archaeological resources within the mid-elevation basin spanning the wash mentioned above. **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	800	0	NA
Preferred Alternative	300	800	0	1%
1	0	800	0	1%
2	300	800	0	1%
3	0	800	0	1%
4	300	800	0	1%

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

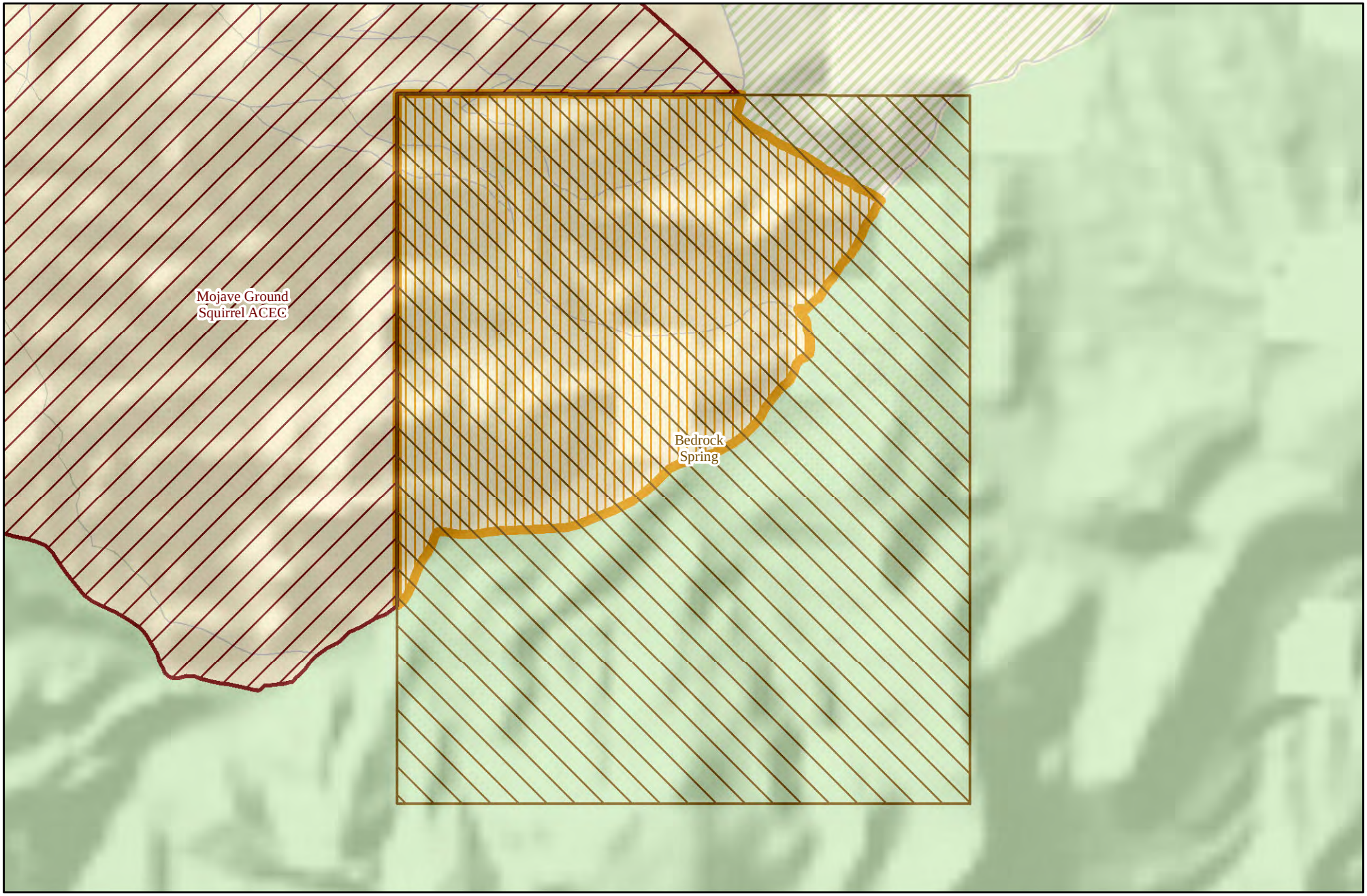
Alternatives –
All Alternatives – this existing ACEC would continue to be managed as it currently is.

Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form. Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion. Management Actions: Ensure soils meet or exceed the Soil Standard of Rangeland Health, as indicated by ground or plant cover, diversity of plant species, minimal evidence of accelerated wind and water erosion and the presence of biological soil crusts where appropriate.	Soil, water, air
Objective: Maintain or Improve condition of vegetation Management Actions: Remove invasive plants, Rehabilitate/revegetate disturbed areas, Ensure food species for the Mohave ground squirrel are maintained (spiny hopsage and Atriplex sp.)	Vegetation (incl. special status species)
Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence: Management Action: Designate Species below as priority species for management and protection. Le Conte's Thrasher *(Toxostoma lecontei)* State Species of Special Concern Loggerhead Shrike (*Lanius ludovicianus)* BLM Sensitive American Badger (*Taxidea taxus)* State Special Animal Desert Tortoise (*Gopherus agassizii)* Federally and State threatened Mohave ground squirrel (*Spermophilus mohavensis*) State threatened Townsend's big-eared bat (*Corynorhinus townsendii) BLM sensitive* Pallid bat (*Antrozous pallidus)* BLM sensitive	Fish and Wildlife (incl. special status species)

Spotted bat (*Euderma maculatum)* BLM sensitive Western Mastiff bat (*Eumops perotis californicus)* BLM sensitive Golden Eagle (*Aquila chrysaetos*) BLM sensitive, Bald and Golden Eagle P. Act Prairie Falcon (*Falco mexicanus)* USFWS Bird of Conservation Concern Burrowing Owl (*Athene cunicularia*) BLM Sensitive Long-eared owl (*Asio otus*) State Species of Special Concern	
See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Maintain objectives and management actions of existing ACEC Management Plan. Objective: Conserve archaeological resources, decrease vandalism, and minimize and mitigate impacts from Off Highway Vehicle Use Allowable Uses: Impose travel and camping restrictions within sensitive cultural resources, allow for continued scientific research by qualified and permitted archaeological professionals Management Actions: Designate all routes closed except Route 1123 and Route 112 which will be posted with appropriate signage and fencing if necessary. Prohibit camping in sensitive areas near rock art, rock shelters, and middens. Conduct salvage excavation at damaged resources Objective: Evaluate and Nominate Cultural Resources Management Action: Revise and resubmit nominations to the National Register of Historic Places for Bedrock Springs Archaeological District, using recommendations from 1982 and incorporating data from 2001-2002 excavations at the site.	Cultural Resources
Objective: Limit Motorized vehicle impacts Allowable Uses: Motorized, non-motorized, non-mechanized, etc. Management Action: All designated open routes will be signed, all routes identified as closed will be rehabilitated/restored, restore all undesignated OHV routes.	Trails and Travel Management
The Spangler Hills Open Area is adjacent to the north side of the ACEC. Objective: Provide recreation opportunities that are compatible with cultural resource preservation by providing dispersed opportunities for enjoyment of the ACEC attributes. All forms of recreational use are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/ star gazing, nature study and viewing as long as these activities due not degrade the relevant and important values that the ACEC is being established for. Management Actions: Prohibit camping in sensitive cultural resource areas. Limit OHV use in sensitive cultural resources areas with signing or fencing as necessary.	Recreation

Objective: Provide for existing ROWs while protecting the sensitive resources Allowable Uses: Exclusion zone for site ROW Management Actions: New proposals will need to be analyzed at on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the area 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: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area. Allowable Uses: A few lode claims exist however no production has occurred. Management Actions: New proposals 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	Locatable Minerals Mineral Materials Non-energy Leasables
Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources Allowable Uses: Adjust livestock use where monitoring data indicate changes are necessary to meet resource objectives. The area is located within the Cantil Common Grazing Allotment. Management Actions: Manage grazing authorizations to meet or exceed the Standards for Rangeland Health.	Livestock grazing

Bedrock Spring



0.3 Miles

0.45 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

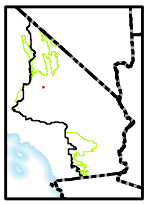
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



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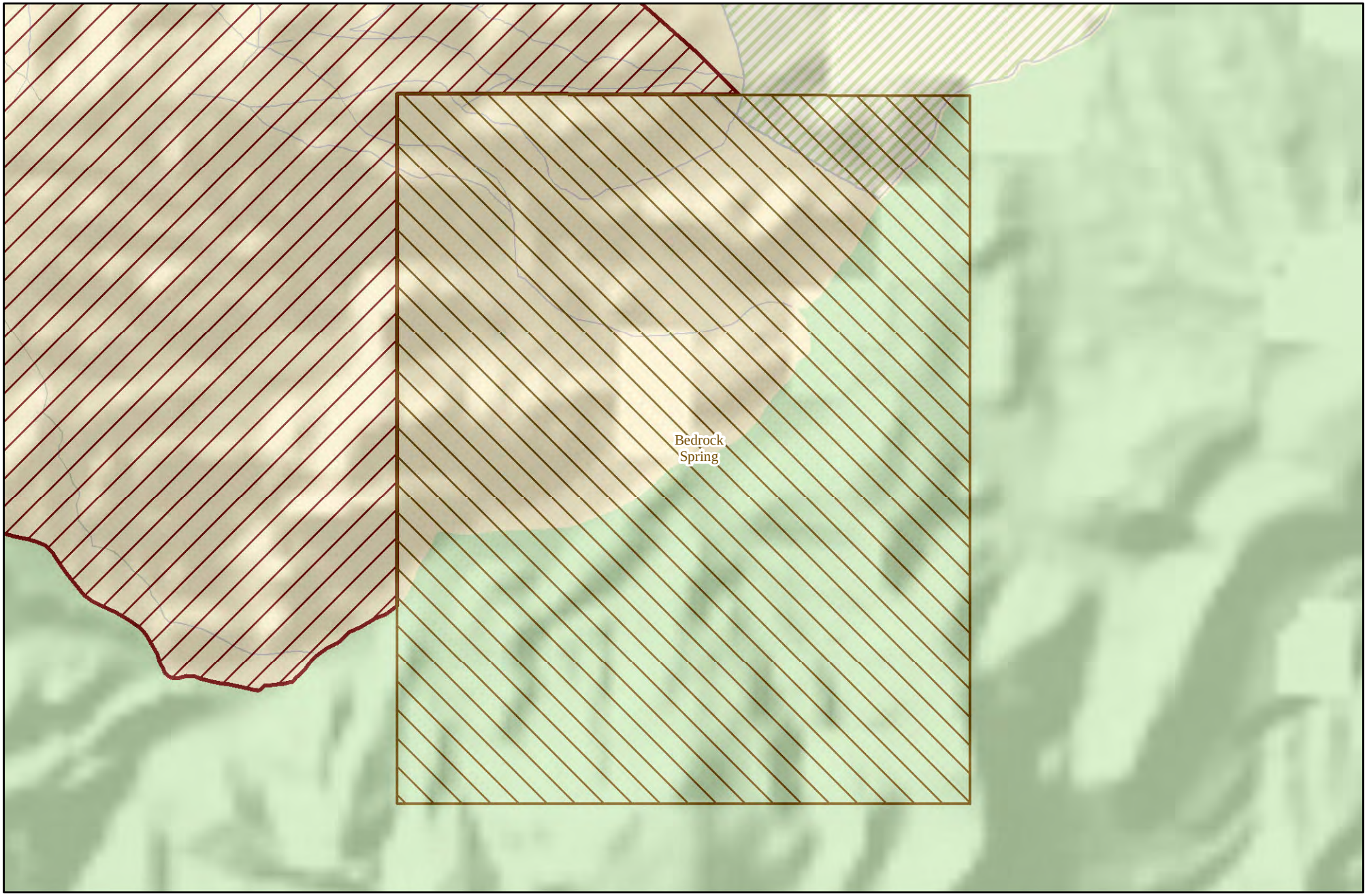

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Alternative 1 ACECs

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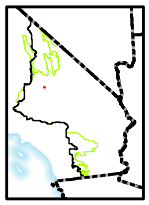

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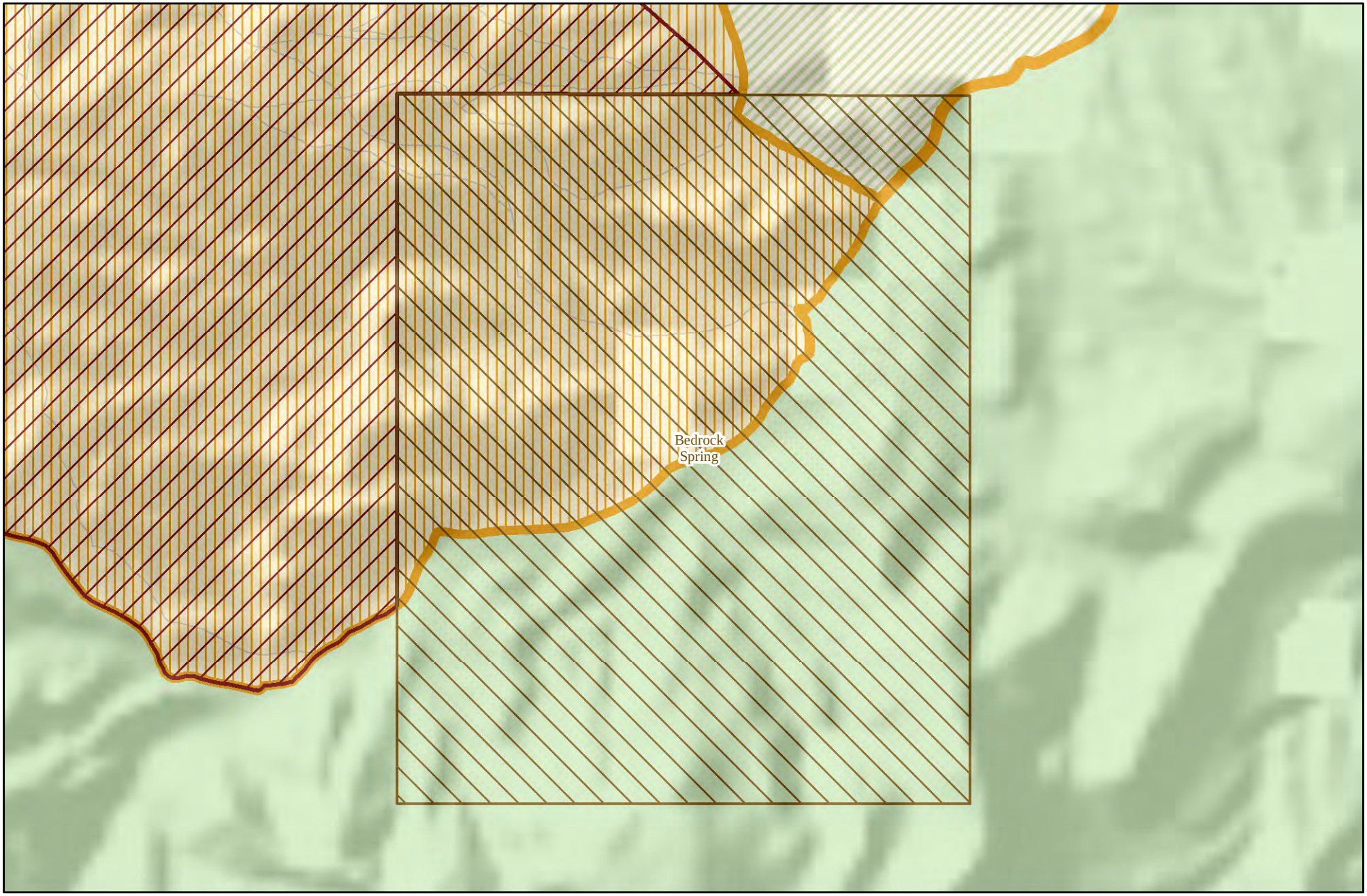

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Alternative 2 ACECs

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Prepared by BLM California State Office

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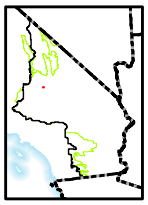
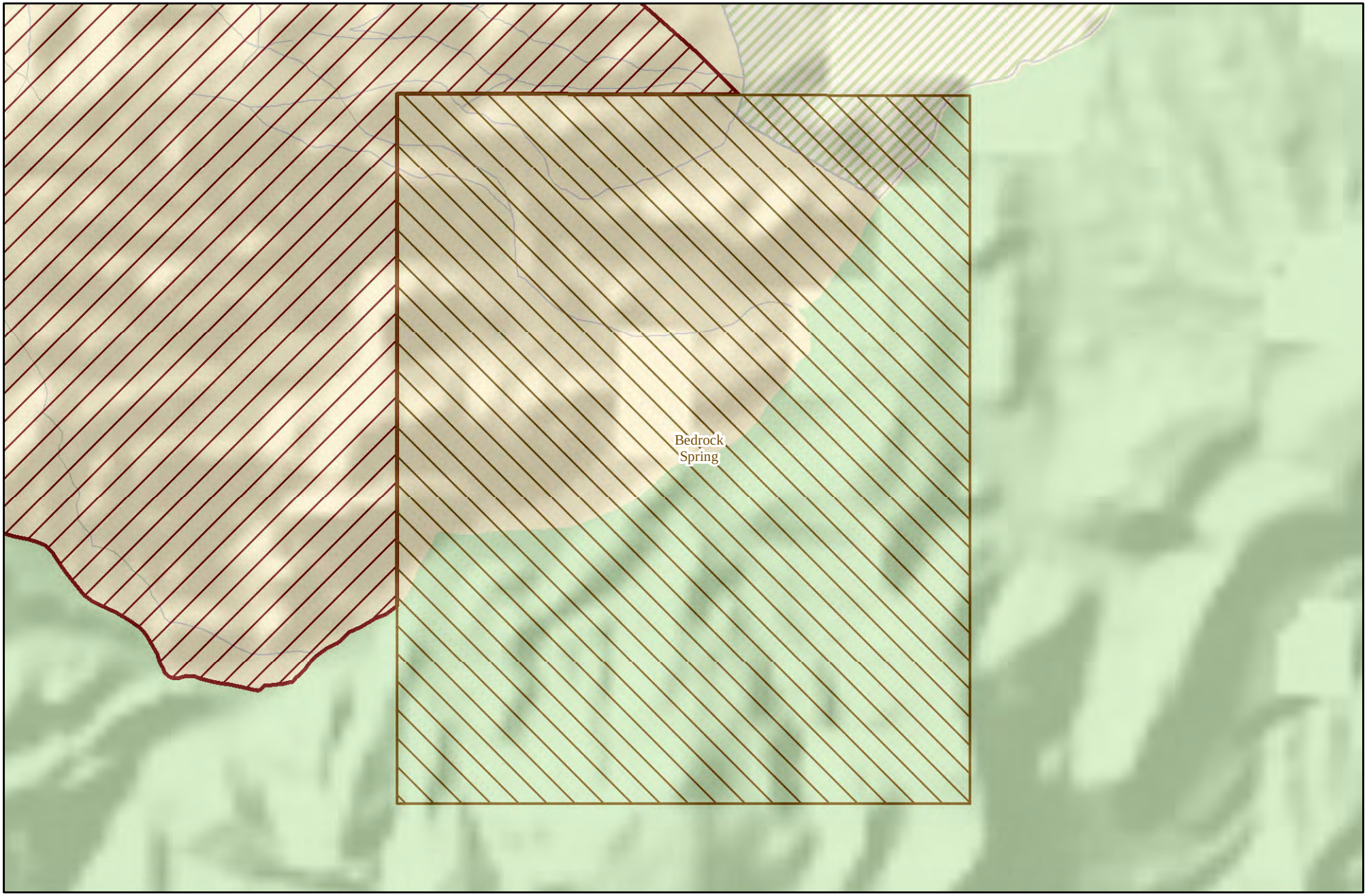


Bedrock Spring



0.3 Miles

0.45 Kilometers

N

Alternative 3 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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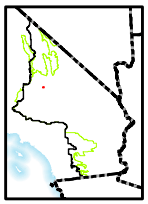

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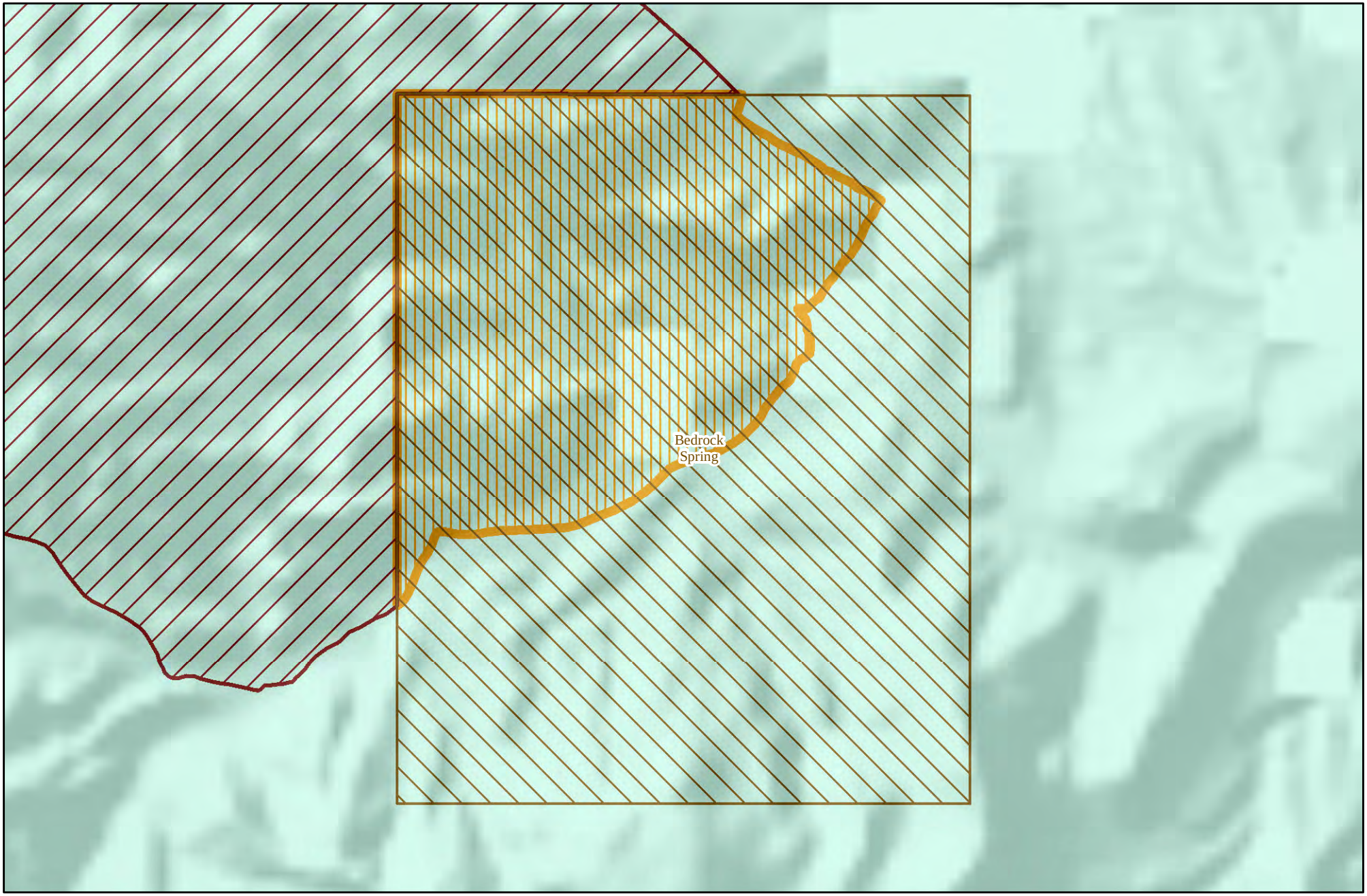

0.3 Miles

0.45 Kilometers

N

Alternative 4 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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Land Status

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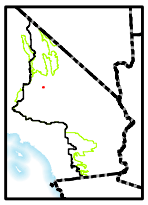

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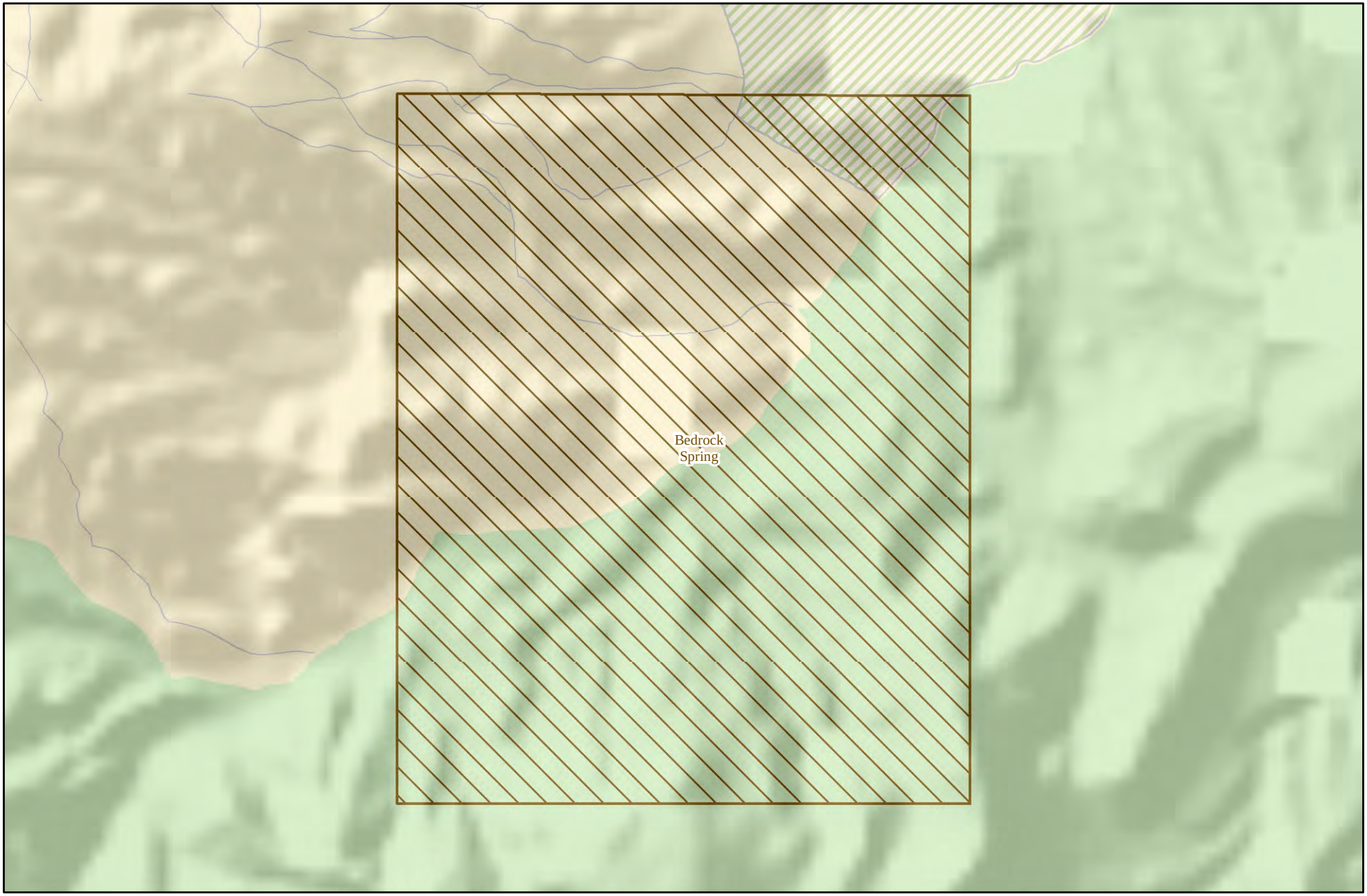

0.3 Miles

0.45 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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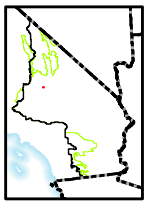


Black Mountain Cultural Area

Description/Location – Located northwest of Barstow. Entire ACEC lies within the Superior-Cronese DWMA. A portion of the ACEC is within the Black Mountain Wilderness.

Nationally Significant Values:
Cultural: Black Mountain and Inscription Canyon were listed on the National Register of Historic Places in 2000 as a Rock Art District. The petroglyphs are significant to the religious and spiritual concerns of Native Americans. Extraordinary cultural resources including extensive assemblages of petroglyphs, lithic workshops, locations suitable for surface occupation sites and game hunting, and a major transportation corridor used by prehistoric people.

Special Designations/Management Plan/Date: ACEC Plan No. 35, 1989

Relevance and Importance Criteria:
Relevant prehistoric and Native American values include extraordinary cultural resources and a major transportation corridor used by prehistoric people. This ACEC also contains critical habitat for the desert tortoise and known occupied habitat for the Mojave ground squirrel, LeConte's thrasher, desert cymopterus and Barstow woolly sunflower.

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:

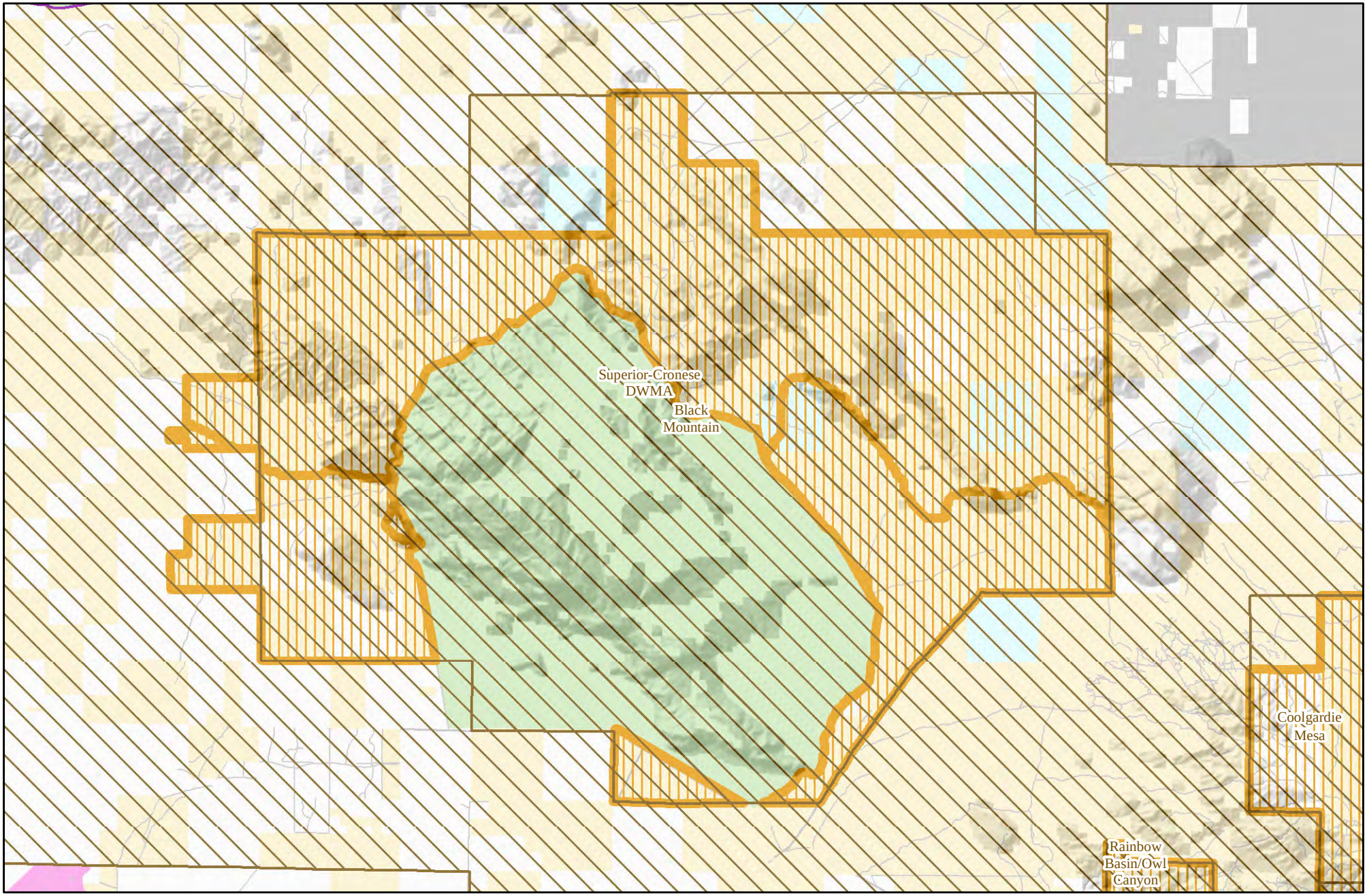
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	51,300	0	NA
Preferred Alternative	28,100	51,200	0	0.5%
1	16,300	51,300	0	0.5%
2	30,700	30,700	0	0.5%
3	26,100	51,300	0	0.5%
4	26,100	51,300	0	0.5%

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

Alternatives: All Action Alternatives: This area would be removed from the Superior-Cronese ACEC and remain as the Black Mountain Cultural Area to resolve the dual designation and assist the Bureau in tracking the total number of acres of protected lands. No Action – this existing ACEC would continue to be managed as it currently is.	
Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Manage for the protection of sensitive plant species Desert cymopterus Barstow woolly sunflower creamy blazing star (*Mentzelia tridentata*) Management Action: Survey for BLM sensitive species, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions	Vegetation – Including special status species
Objective: Manage for the protection of sensitive wildlife species Threatened Species : Desert tortoise, Mojave ground squirrel Species of Interest: LeConte's thrasher Nest sites present for golden eagle and prairie falcon CDFG Species of Concern: Loggerhead Shrike Management Action: Survey for BLM sensitive species, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions	Fish and Wildlife - Including special status species
See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Objective: Provide for the protection of the sensitive cultural resources. Management Action: Monitor the creation of illegal routes and perform route restoration as needed. Management Action: Conduct regular ranger patrols and surveillance. Management Action: Travel only 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: General Management and Protection of Paleontological Resources Management Action 1: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act Management Action 2: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed	Paleontology
Objective: Protect sensitive cultural resources from human disturbance Allowable Uses: Restricted motorized use to designated open routs of travel Management Action 1: Monitor and enforce closure of selected routes of travel	Trails and Travel Management

Management Action 2: Install signs and use barriers to direct vehicle traffic away from sensitive cultural resources	
Objective: Provide for dispersed opportunities while protecting relevant resources Management Action: Do not establish new routes near sensitive cultural resources	Recreation
Exclusion zone for site ROW, okay for linear, no ROW which would impact cultural resources	Rights of Way (ROW)
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

Black Mountain



2.5 Miles

3.5 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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

Land Status

- Bureau of Land Management
- State
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- Military
- Private

GTLF

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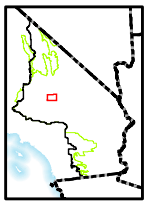

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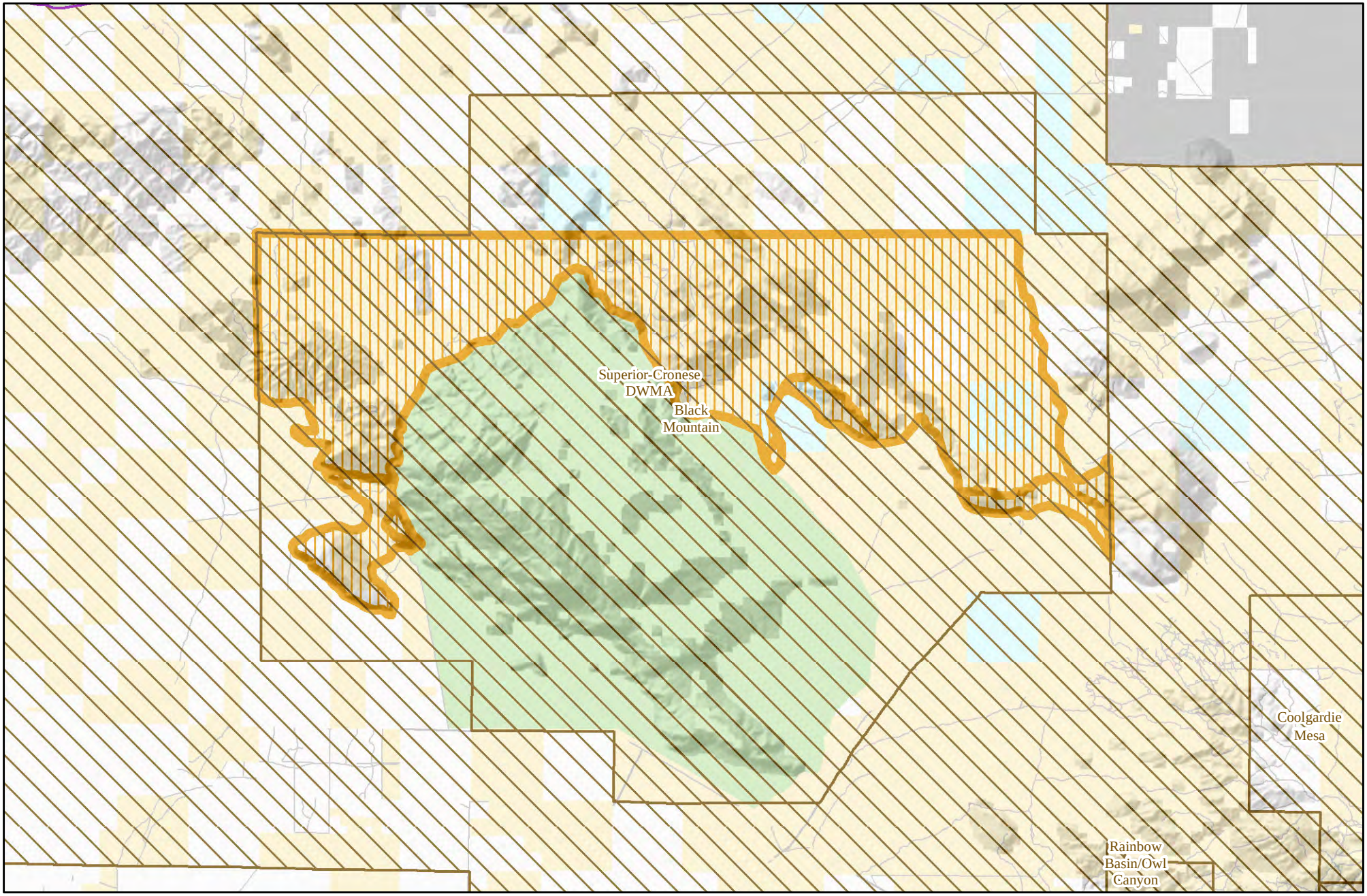

2.5 Miles

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Alternative 1 ACECs

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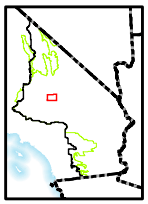

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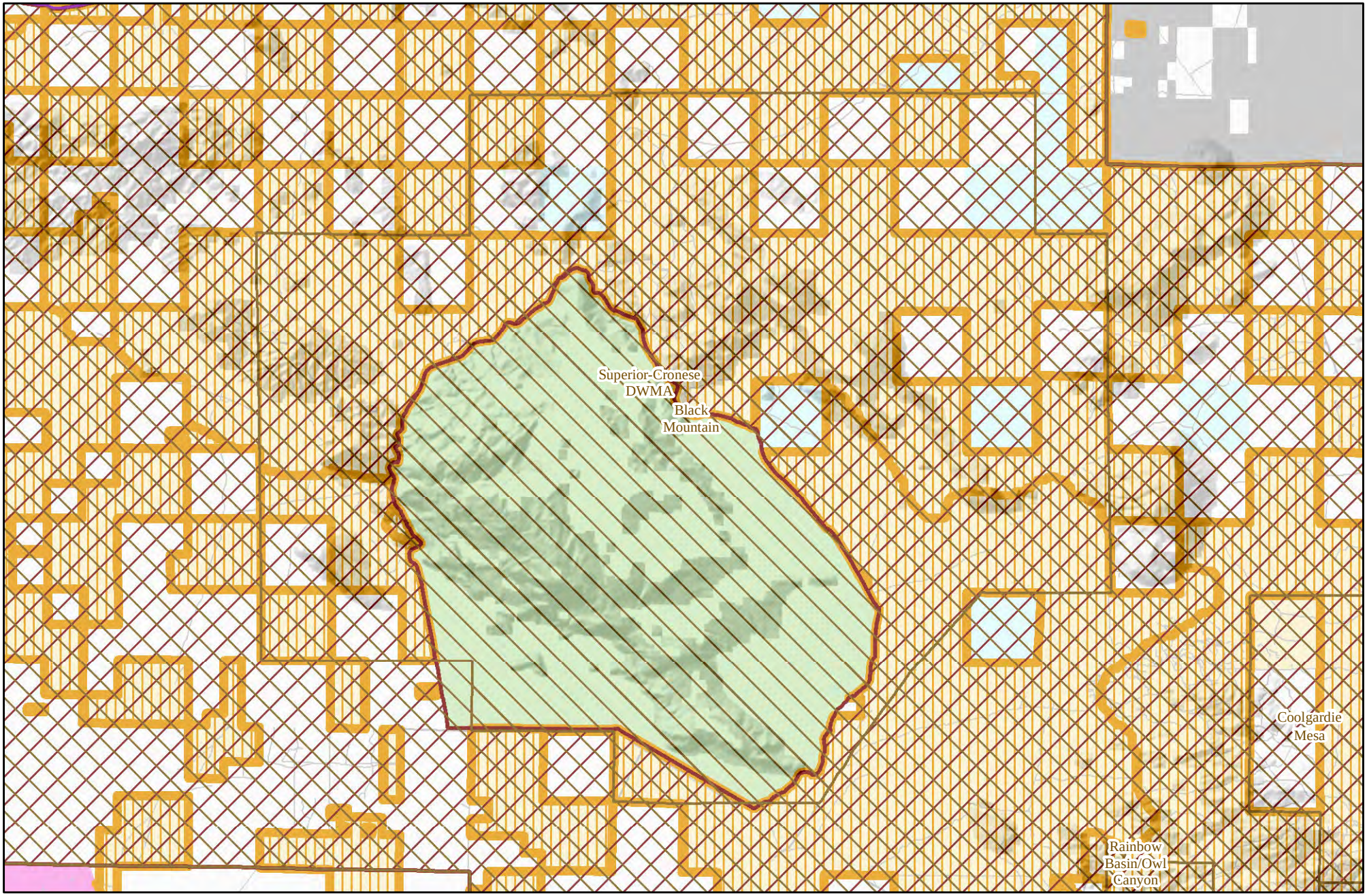

2.5 Miles

3.5 Kilometers

N

Alternative 2 ACECs

Date Printed: 5/29/2013

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ACEC Layers

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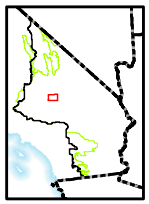

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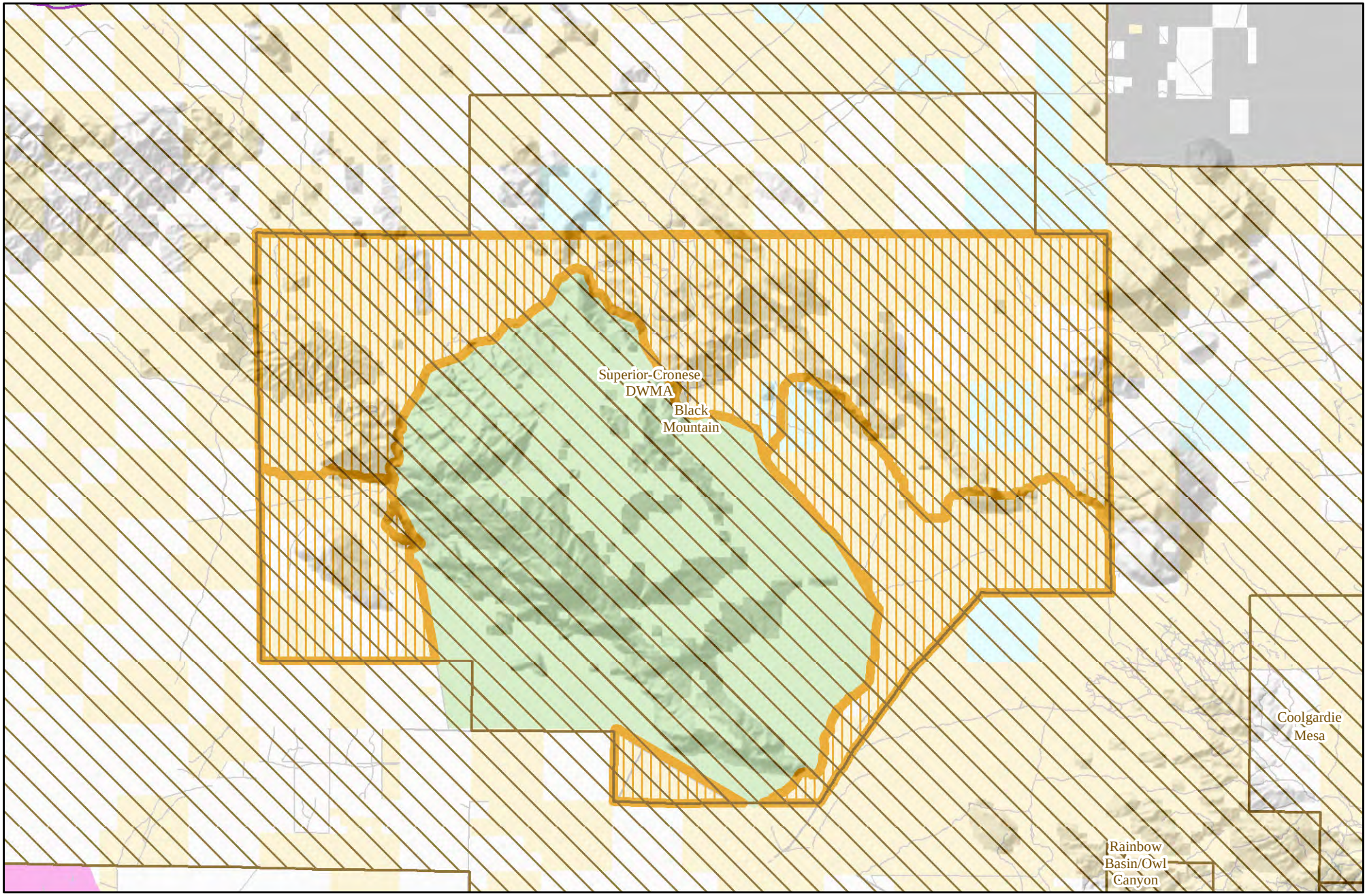

2.5 Miles

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N

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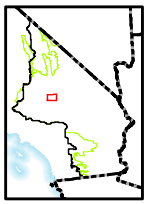

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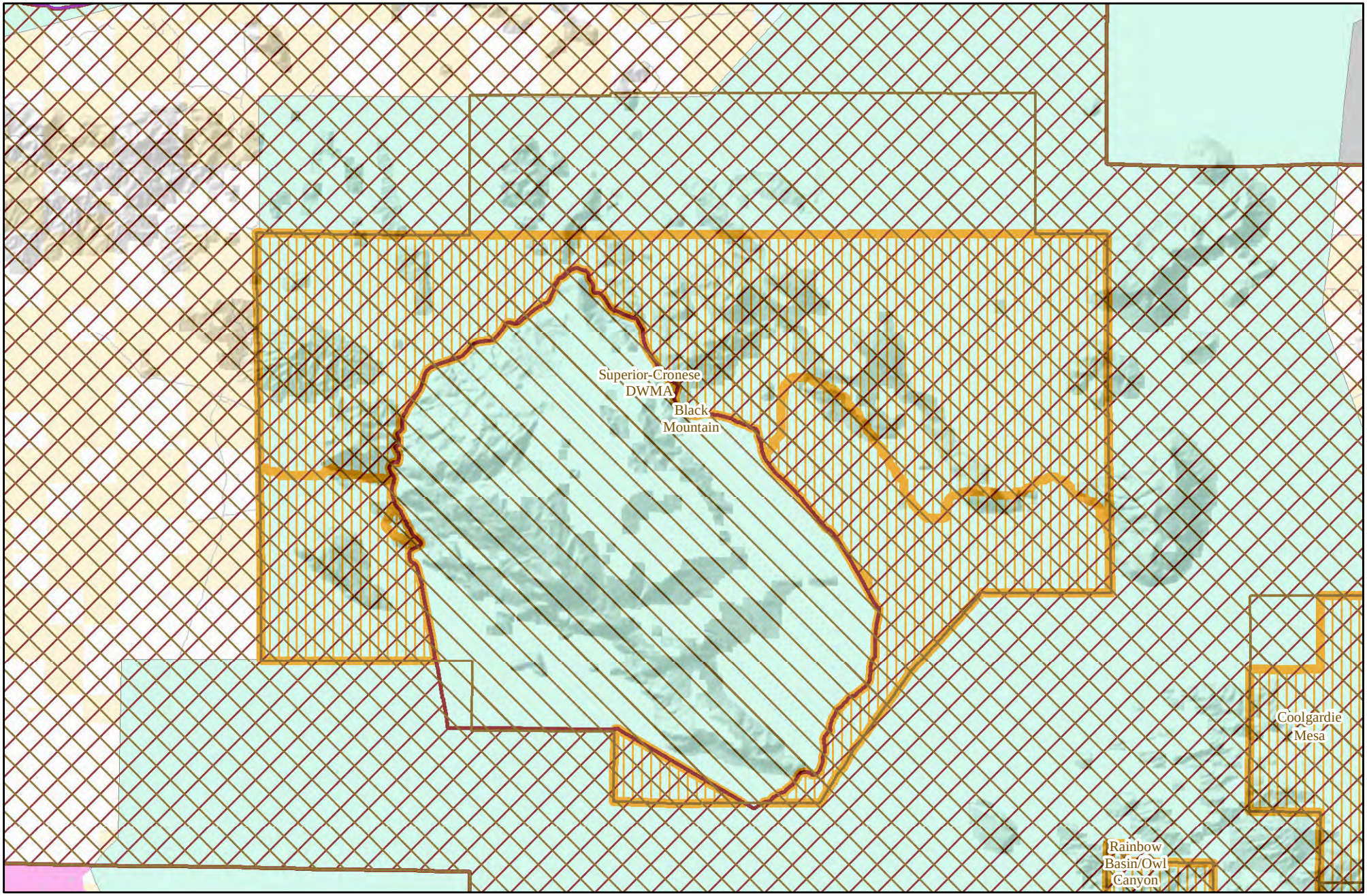

2.5 Miles

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Alternative 4 ACECs

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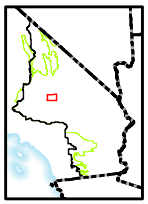

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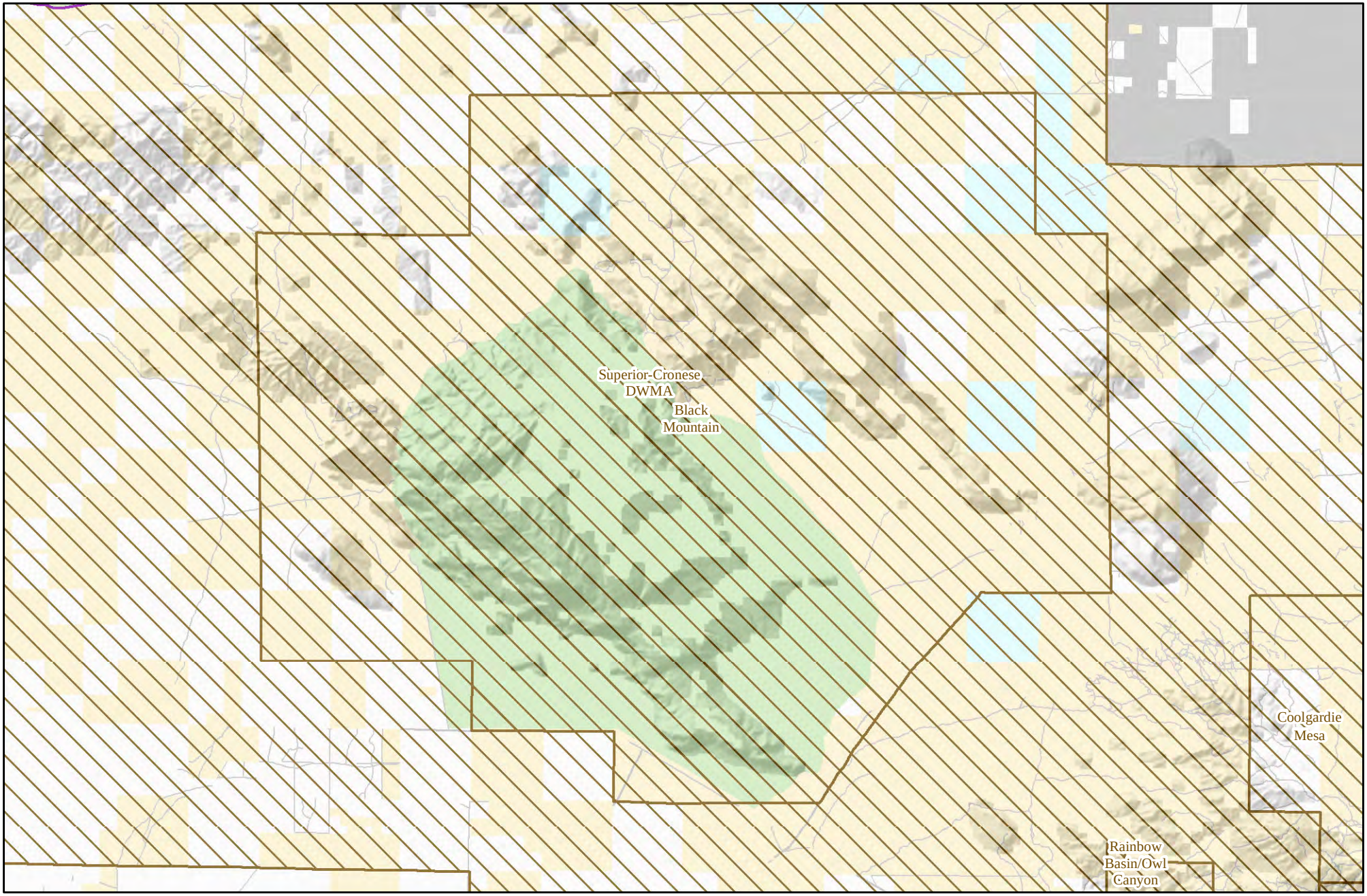

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N

No Action ACECs

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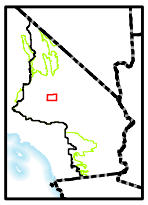


Calico Early Man Site

Description/Location: Located 15 miles east-northeast of Barstow, California. The site is easily accessible off Interstate Hwy. 15.

Nationally Significant Values:
Cultural: This site is internationally recognized for its values to scientific research into the question of Early Man in the Western Hemisphere.

Scientific: This site is internationally recognized for its values to scientific research into the question of Early Man in the Western Hemisphere.

Special Designations/Management Plan/Date: ACEC Plan No. 40, 1984

Relevance and Importance Criteria: Relevant cultural resource values. Internationally recognized for its values to scientific research into the question of Early Man in the Western Hemisphere. Classified as a quarry, lithic workshop and possible campsite, the Site has yielded 11,400 diagnostic stone tools and flake artifacts. Listed on the National Register of Historic Places.

Goals: To manage the cultural resource values associated with the Calico Site for the purpose of scientific research into questions dealing with human occupation and settlement of the Western Hemisphere. To provide and maintain appropriate recreational opportunities for the general public at the Calico Site that serve to increase understanding and appreciation of human prehistory and archaeological techniques.

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	800	0	NA
Preferred Alternative	800	800	0	0.5%
1	0	800	0	0.5%
2	800	800	0	0.5%
3	0	800	0	0.5%
4	800	800	0	0.5%

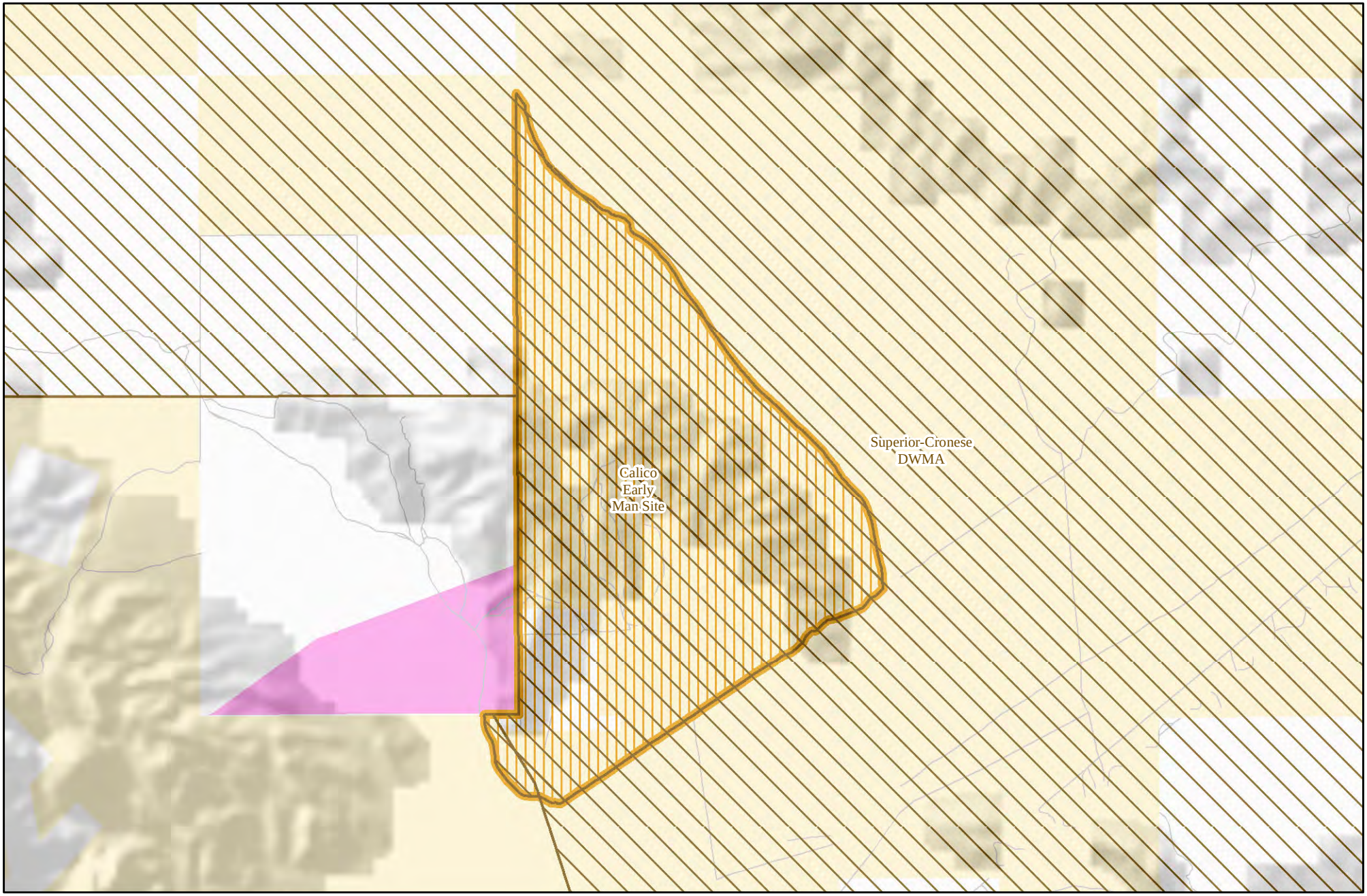
*** Acreage values are for BLM managed lands**

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: Educate the public about cultural resources present Management Action 1: Maintain or expand existing research and education programs that include excavation, lectures, guided tours, and an outreach program Management Action 2: Develop new visitor center, parking lot and toilet facilities Objective: Protect cultural resources Management Action 1: Increase patrols for protection, compliance and enforcement Management Action 2: Develop telephone communications and improved electrical service capabilities See additional programmatic ACEC cultural resources objective and action items in general cultural resources rules.	Cultural Resources
Objective: General Management and Protection of Paleontological Resources Management Action 1: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act Management Action 2: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed	Paleontology
Objective: Provide safe water supplies for hosts and visitors Allowable Uses: N/A Management Action: Develop well, water storage, and water delivery system to supply drinking water to major facilities at the Calico Site. Objective: Protect cultural resources from human activities Allowable Uses: Prohibit firearms use, rockhounding, unauthorized camping and unauthorized OHV use within the ACEC	Recreation
ROW avoidance area	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: Protect cultural resources from mineral extraction impacts Allowable Uses: Prohibit mineral leasing with surface occupancy within the ACEC, withdraw all lands within the ACEC from mineral entry	Locatable Minerals Mineral Materials Non-energy Leasables

Calico Early Man Site



0.6 Miles

0.8 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

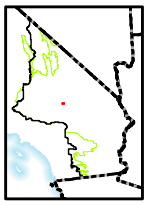
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

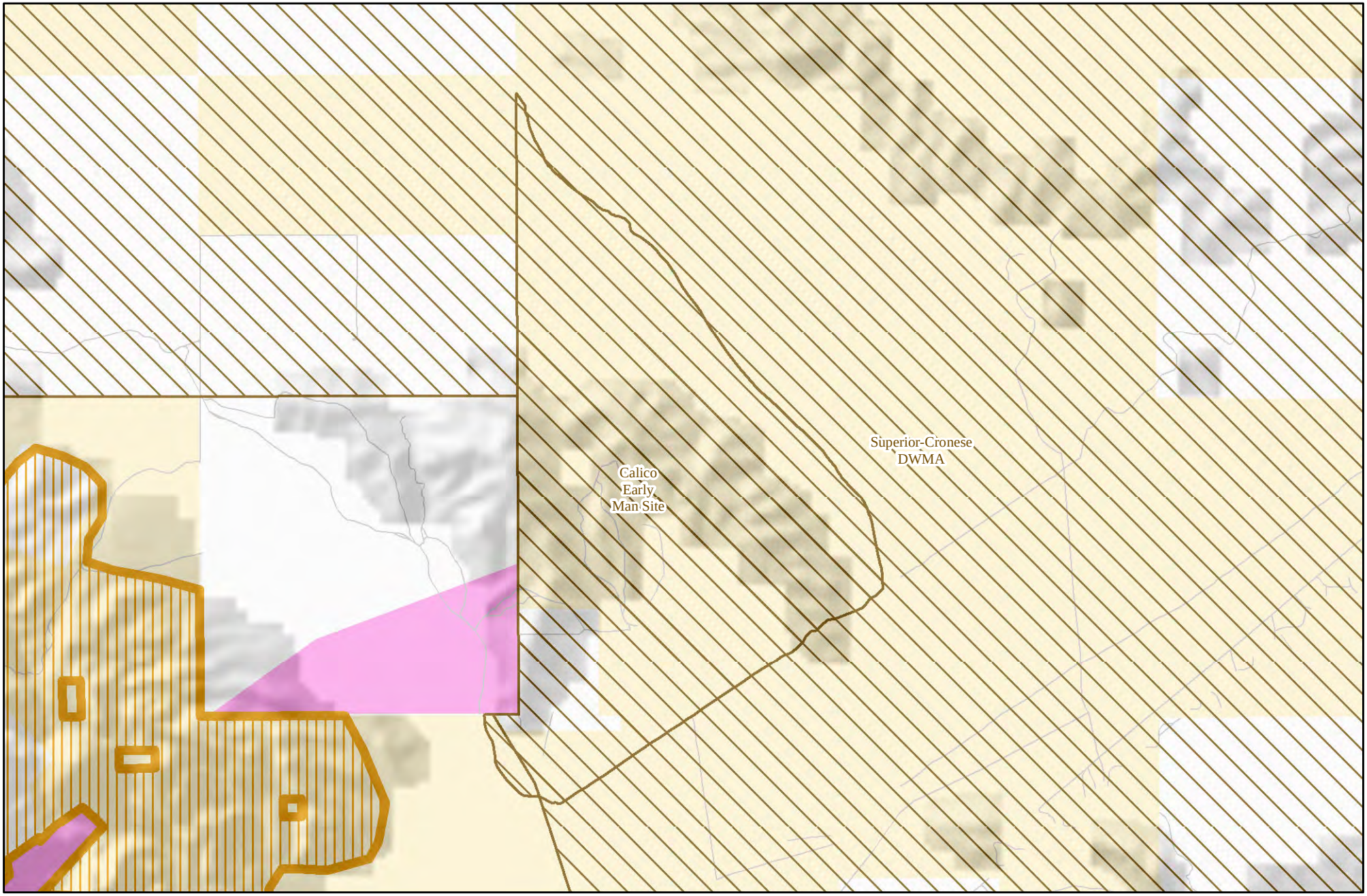
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Calico Early Man Site



0.6 Miles

0.8 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
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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GTLF

- Interstate
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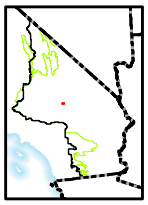
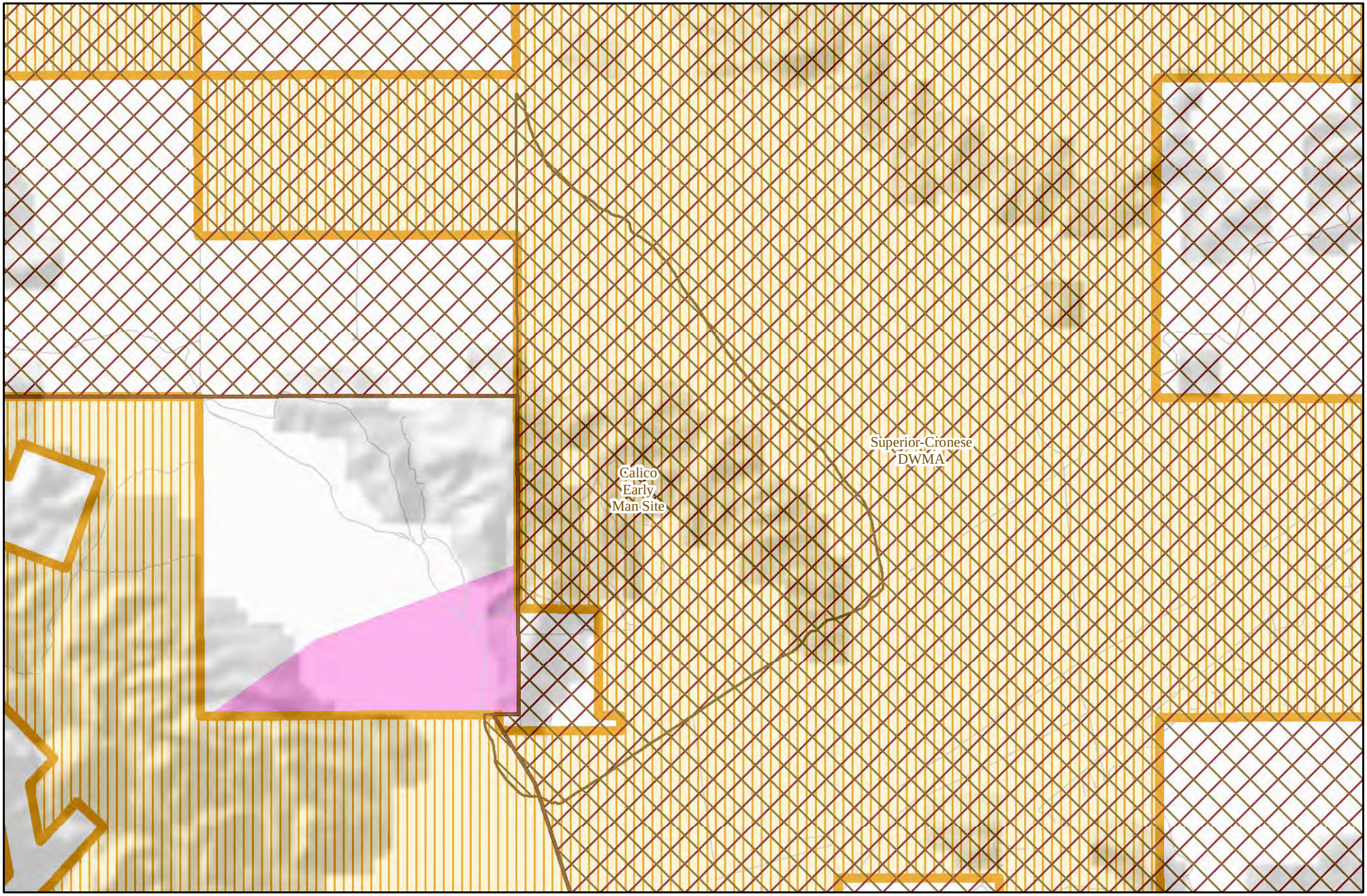
- CA Hwy
- County Hwy



Calico Early Man Site



0.6 Miles

0.8 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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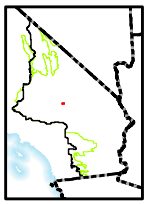
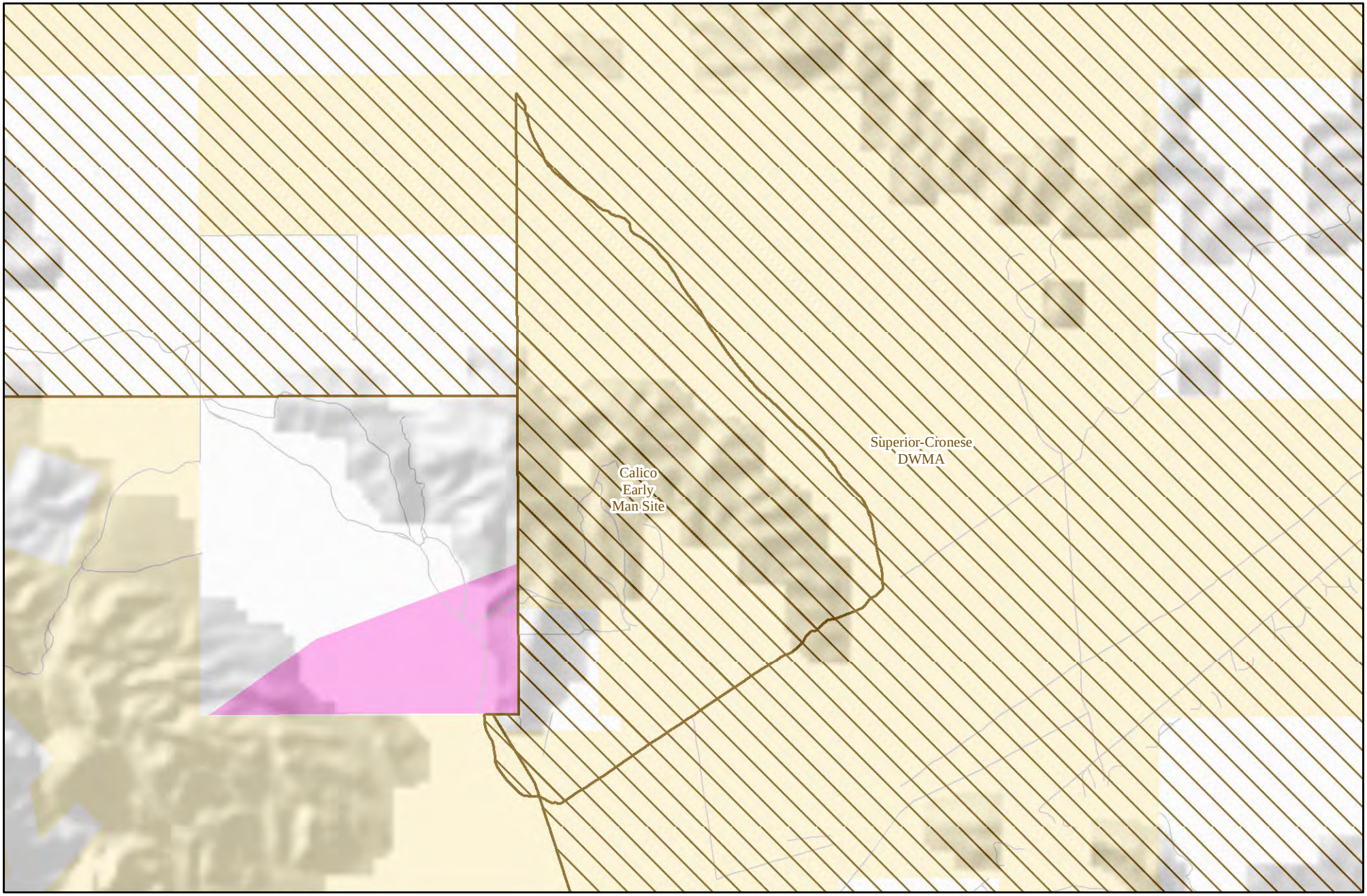
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Calico Early Man Site



0.6 Miles

0.8 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
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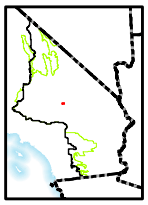
- County Hwy



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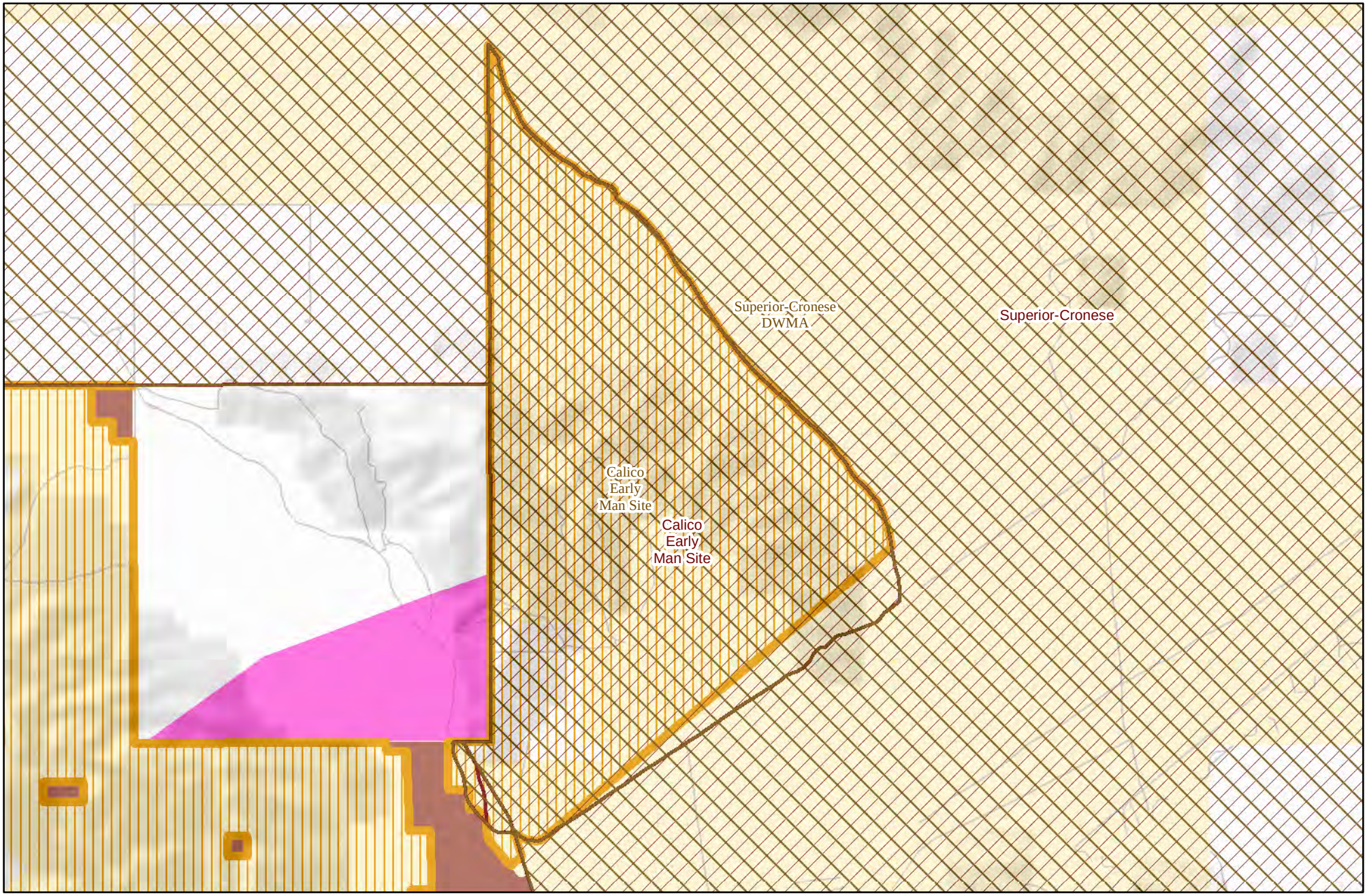


0.5 Miles

0.7 Kilometers

N

Alternative 4 ACECs

Date Printed: 8/6/2014

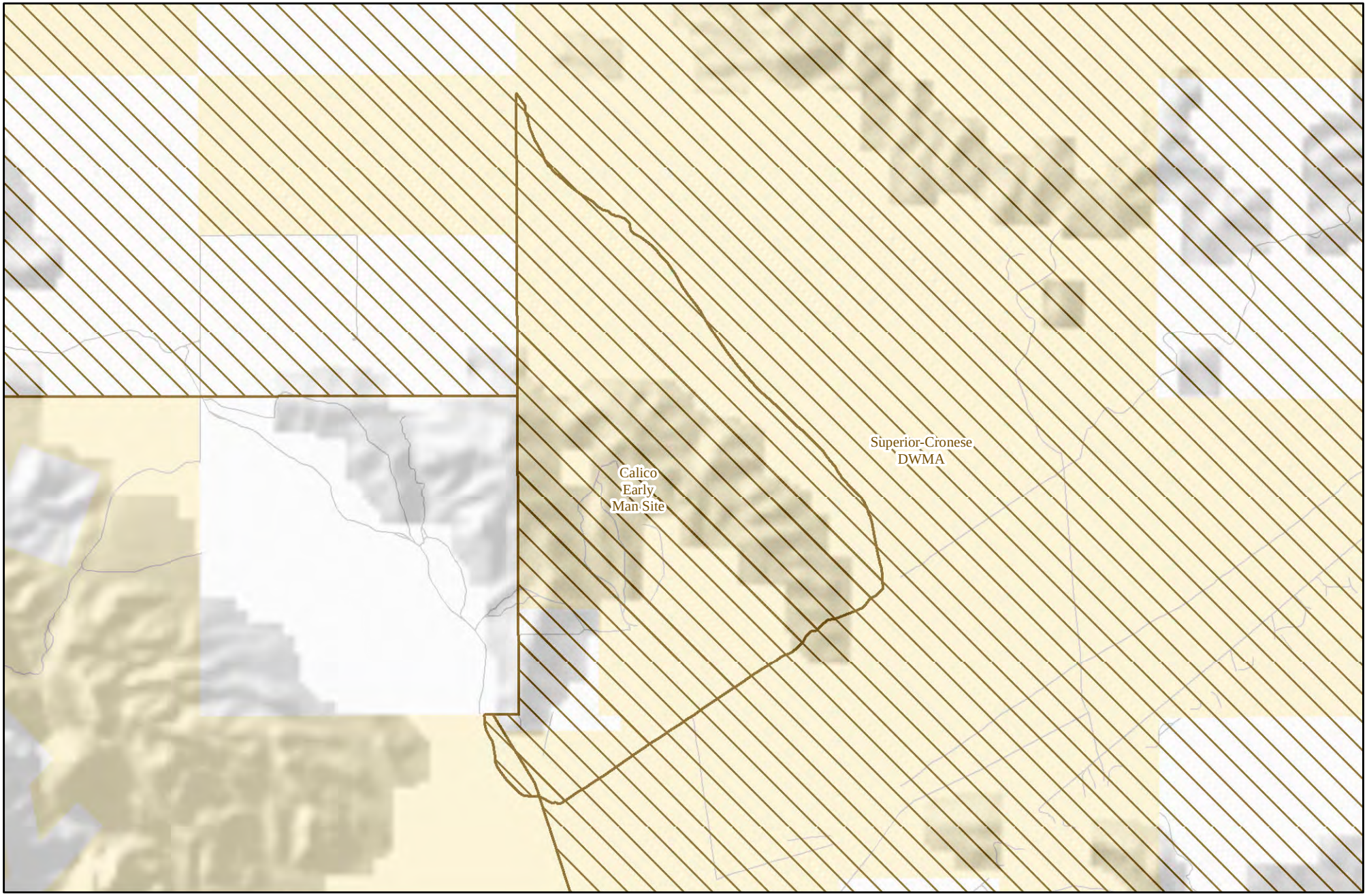
Prepared by BLM California State Office

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

Calico Early Man Site



0.6 Miles

0.8 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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GTLF

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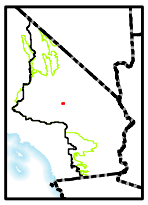
- County Hwy



Coolgardie Mesa

Description/Location – Coolgardie Mesa is completely encompassed by the Superior-Cronese DWMA. It lies approximately 9 miles north of Barstow and is adjacent to Rainbow Basin/Owl Canyon ACEC.

Nationally Significant Values:
Ecological: Established to protect the extremely narrowly endemic Lane Mountain milkvetch and Barstow woolly sunflower.

Special Designations/Management Plans/Date: ACEC established in the 2006 West Mojave Plan

Relevance and Importance Criteria: Established to protect the extremely narrowly endemic Lane Mountain milkvetch and Barstow woolly sunflower. The area also provides important wildlife connectivity.

Goals: Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public 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	9,800	0	NA
Preferred Alternative	8,800	9,800	0	0.5%
1	0	9,800	0	0.5%
2	9,800	9,800	0	0.5%
3	0	9,800	0	0.5%
4	8,100	9,800	0	0.5%

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

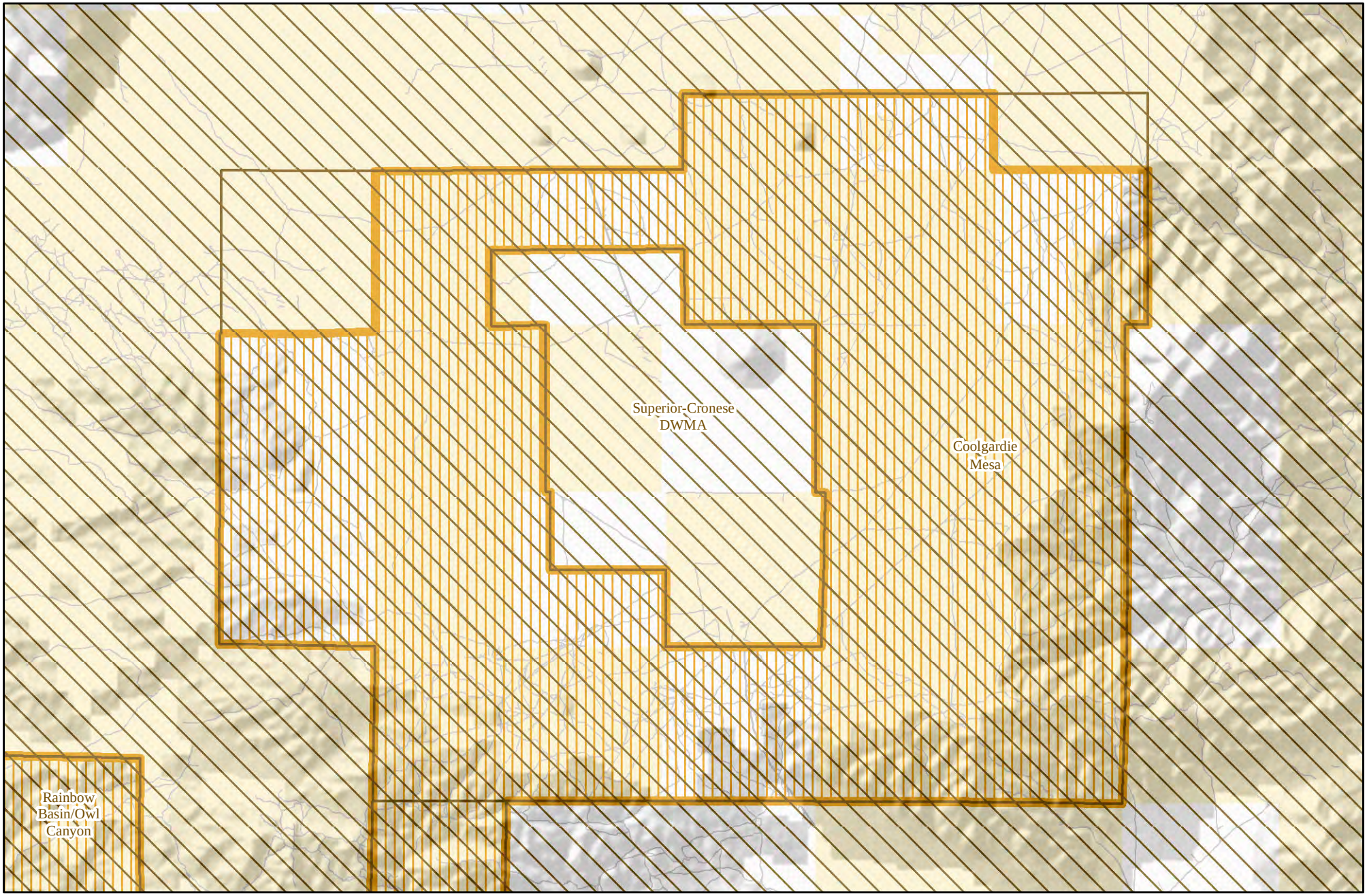
Alternatives:
All Action Alternatives: This ACEC completely overlaps the Superior-Cronese ACEC. To resolve this dual designation, all action alternatives will remove this area from Superior-Cronese. It will remain identified as the Collgardie Mesa ACEC. Management of this ACEC will continue as it is currently being managed.

No Action: This existing ACEC would continue to be managed as it is and the dual designation would remain.

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
Objective: Protect and enhance Lane Mountain milkvetch (*Astragalus jaegerianus*) habitat and populations Management Action: Acquire occupied habitat on private lands Objective : Protect and enhance Barstow woolly sunflower (*Eriophyllum mohavense*) habitat and populations Management Action 1: Protect a contiguous habitat block with conserved populations on public lands throughout the species range Management Action 2: Establish an additional reserve through adaptive management in the western part of the range Management Action 3: Manage the remaining outlying populations by site specific measures. Management Action 4: Establish a survey requirement area north of EAFB and northwest of Kramer Junction to identify reserve boundaries, a new conservation area would be established for Lane Mountain milkvetch if a significant population were located outside the existing conservation areas	Vegetation – Including special status species
Objective: Maintain or improve condition of habitat for sensitive wildlife species Management Action: Protect populations of special status animals Desert tortoise Mojave ground squirrel	Fish and Wildlife (incl. special status species)
Objective: Protect sensitive habitat from vehicle impacts Allowable Uses: All vehicle use is limited use— existing open routes only, no new routes Management Action: Fencing of the approved routes would be installed as necessary, with signs advising the public that the area is closed to vehicle travel because of endangered species conservation	Trails and Travel Management
Objective: provide dispersed opportunities focuses on enjoyment of the ACEC attributes Allowable Uses: Dispersed camping	Recreation
Objective: Acquire all inholdings from willing sellers Management Action: An annual report on the progress of acquisitions would be submitted USFWS	Land Tenure
Objective: Limit impacts to sensitive species associated with new ROWs Allowed Uses: BLM shall require botanical surveys prior to issuing any use permits. No permits shall be issued which allow take of Lane Mountain milkvetch (projects would have to be relocated).	Rights of Way (ROW)
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: Protect sensitive habitat from impacts associated with mineral development Allowable Uses: All lands within the Conservation Area will be withdrawn from mineral entry, no surface occupancy Management Action 1: Claimholders should be notified of the presence of endangered plants Management Action 2: Restrictions on casual use that involves ground disturbance within the Conservation Area would be developed as necessary	Locatable Minerals Mineral Materials Non-energy Leasables
Objective: Protect sensitive habitats from grazing impacts Allowable Uses: No grazing would be permitted within the conservation area	Livestock grazing

Coolgardie Mesa



1 Miles

1.5 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

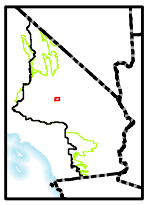
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Coolgardie Mesa

1 Miles

1.5 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
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Land Status

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GTLF

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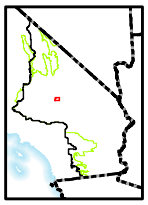
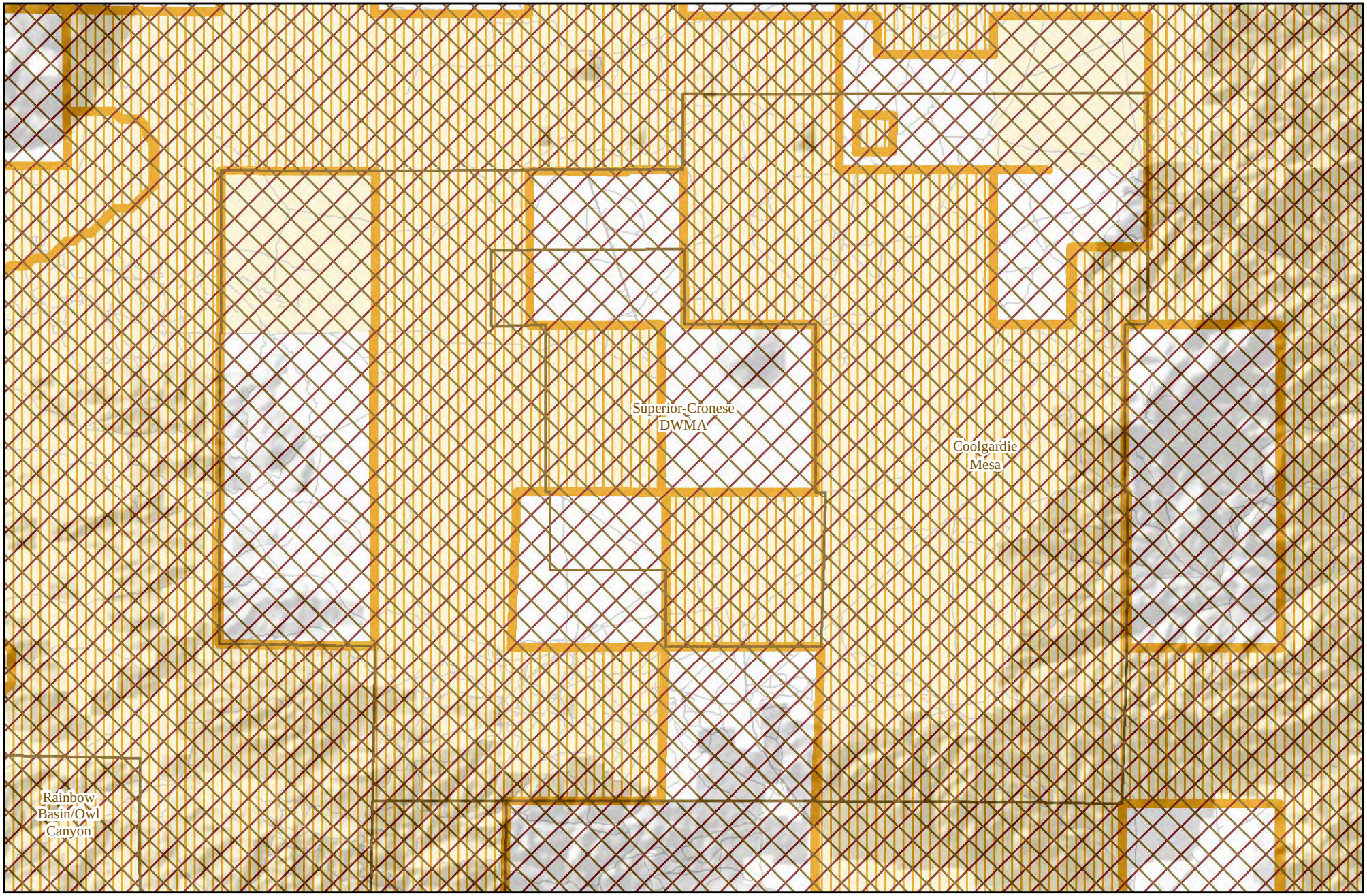


Coolgardie Mesa



1 Miles

1.5 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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GTLF

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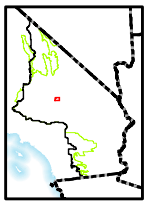
- CA Hwy
- County Hwy



Coolgardie Mesa

1 Miles

1.5 Kilometers

N

Alternative 3 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

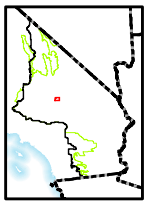
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

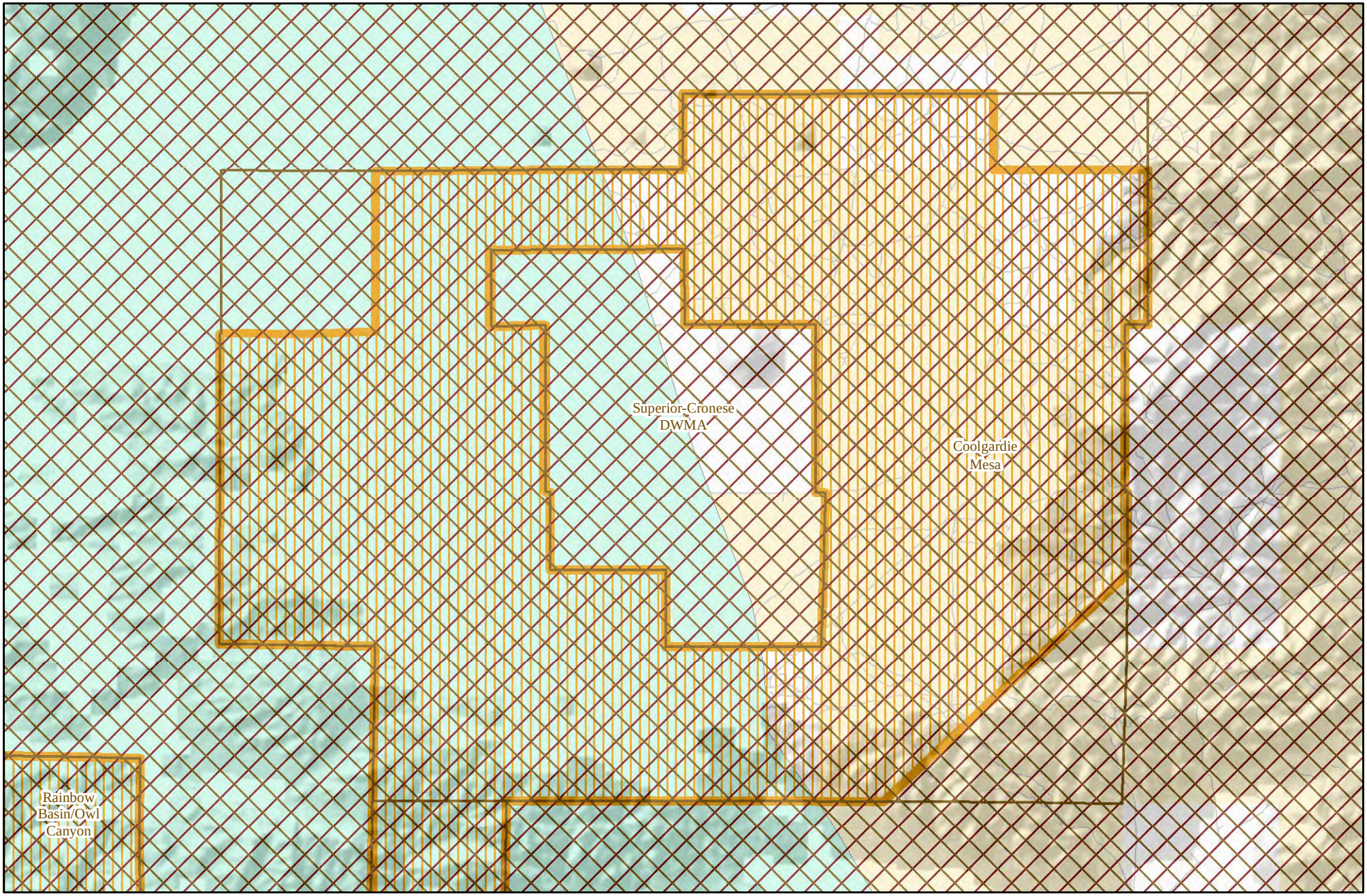
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Coolgardie Mesa



1 Miles

1.5 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
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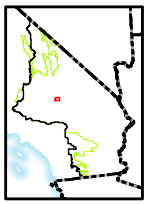

Coolgardie Mesa

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

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GTLF

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- County Hwy

Cronese Basin

Description/Location: Located 45 miles east of Barstow, just north of Interstate 15, this ACEC includes the Cronese Lake playas and surrounding environs. It is east of the Superior-Cronese ACEC, and partially overlaps it.

Nationally Significant Values: Cultural: Many of the cultural sites meet criteria for inclusion in the National Register of Historic Places. The Cronese Basin has several prehistoric cultural resources associated with various indigenous and early European occupation periods.

Special Designations/Management Plan/Date: Originally designated in the CDCA Plan of 1980, the Management Plan for this ACEC was approved in December 1984, and published in early 1985. The Management Plan was subsequently amended by the West Mojave Plan in March of 2006.

Relevance and Importance Criteria: Relevant and important resource values include prehistoric and historic cultural resources associated with various indigenous and early European occupation periods and natural resources, including wilderness characteristics, wetland values, unusual plant communities, and sensitive species.

Goals: To identify, document, protect, and enhance sensitive resource values associated with the playas in the ACEC, provide appropriate recreational experiences, minimize conflicts with various uses, prevent degradation that may be caused by such uses and if not feasible, provide mitigation for impacts.

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	8,500	0	NA
Preferred Alternative	0	8,500	0	0.5%
1	0	8,500	0	0.5%
2	8,500**	8,500	0	0.5%
3	600	8,500	0	0.5%
4	0	8,500	0	0.5%

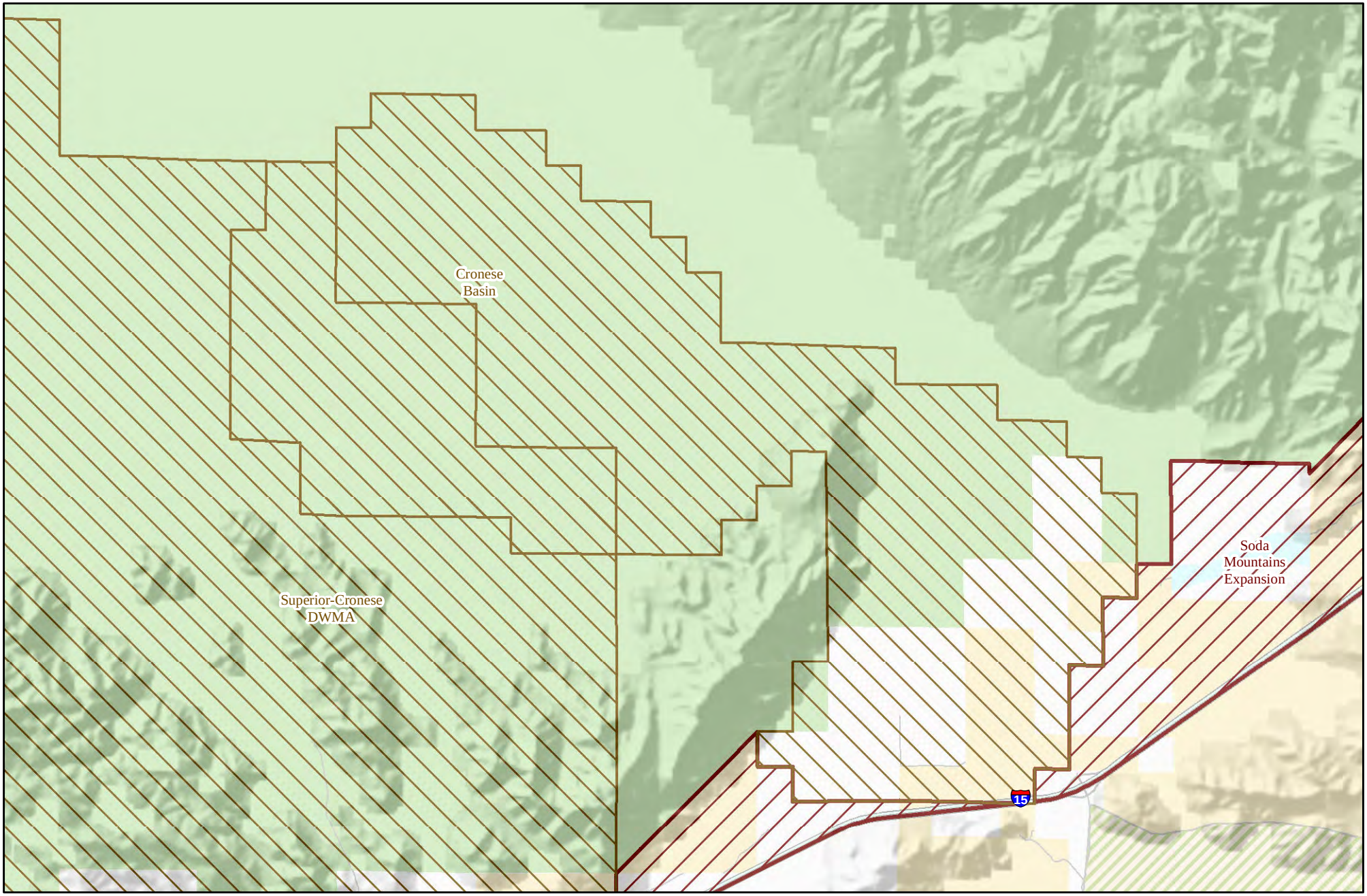
*** Acreage values are for BLM managed lands**
**** Large portion of this overlaps an existing designated Wilderness Study Area.**

Alternatives:
All Action Alternatives: This ACEC partially overlaps the Superior-Cronese ACEC. To resolve this dual designation, all action alternatives will remove the overlap area from Superior-Cronese. Management of this ACEC will continue as it is currently being managed.

No Action: This existing ACEC would continue to be managed as it is and the portion that has dual designation would remain.	
Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Maintain hydrological resource Management Action 1: Monitor water development, including groundwater levels Management Action 2: Ensure major ACOE and MWA water projects, and any water developments authorized by BLM for wildlife and/or livestock, meet current design specifications.	Soil, water, air
Objective: Protect and enhance sensitive species habitat *Androstephium breviflorum* (small-flowered androstephium) *Linthanus arenicola* (sand linanthus) Management Action: Stabilize invading exotic species and rehab critical wildlife habitat when necessary to ensure wildlife survival/use Objective: Protect and enhance sensitive vegetation types Mesquite thickets UPA Desert willow wash Management Action: Stabilize invading exotic species and rehab critical vegetation types when necessary to ensure long-term persistence	Vegetation - Including special status species
Objective: Protect and enhance sensitive wildlife species habitat Management Action: Stabilize invading exotic species to protect blow sand areas for Mojave fringe-toed lizard	Fish and Wildlife – Including special status fish and wildlife species
Objective: Educate the public about cultural resources present Management Action 1: Maintain or expand existing research and education programs that include excavation, lectures, guided tours, and an outreach program Objective: Protect cultural resources Management Action 1: Increase patrols for protection, compliance and enforcement See additional programmatic ACEC cultural resources objective and action items in general cultural resources rules.	Cultural Resources
Objective: Protect resources from impacts associated with vehicle use Management Action: Control vehicle access and increase BLM field presence by designating specific routes of travel in the ACEC, posting signs to implement route designations, and monitoring route use	Trails and Travel Management
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: Protect sensitive resources from grazing impacts Management Action: Cronese Lake Grazing Allotment is now vacant, current objective is to make grazing no longer available in this area	Livestock Grazing

Cronese Basin



1 Miles

1.5 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

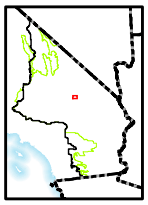
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

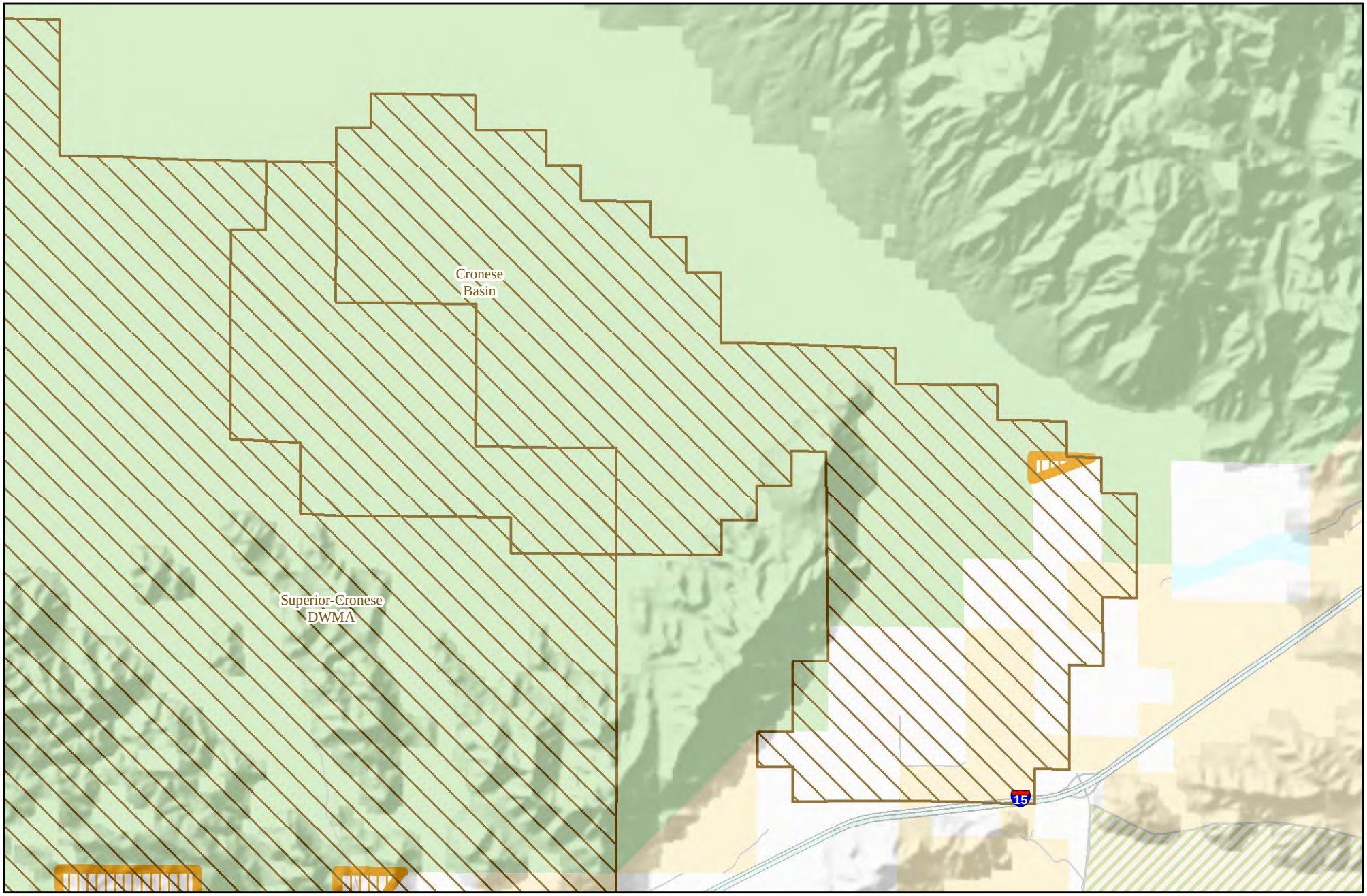
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Cronese Basin



1 Miles

1.5 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
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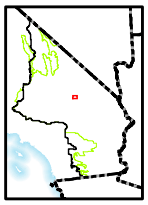
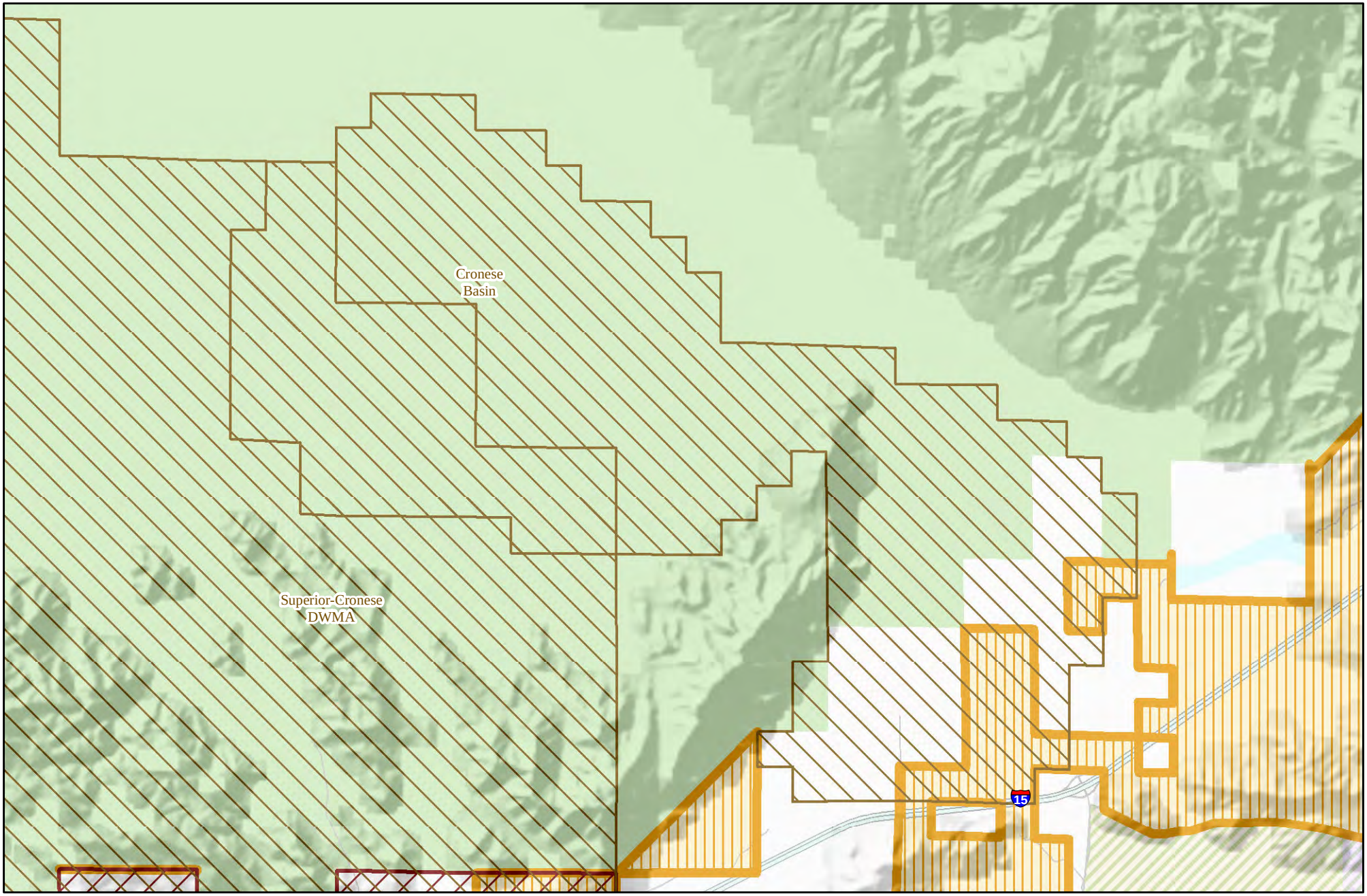


Cronese Basin



1 Miles

1.5 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
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GTLF

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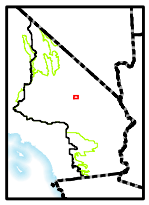
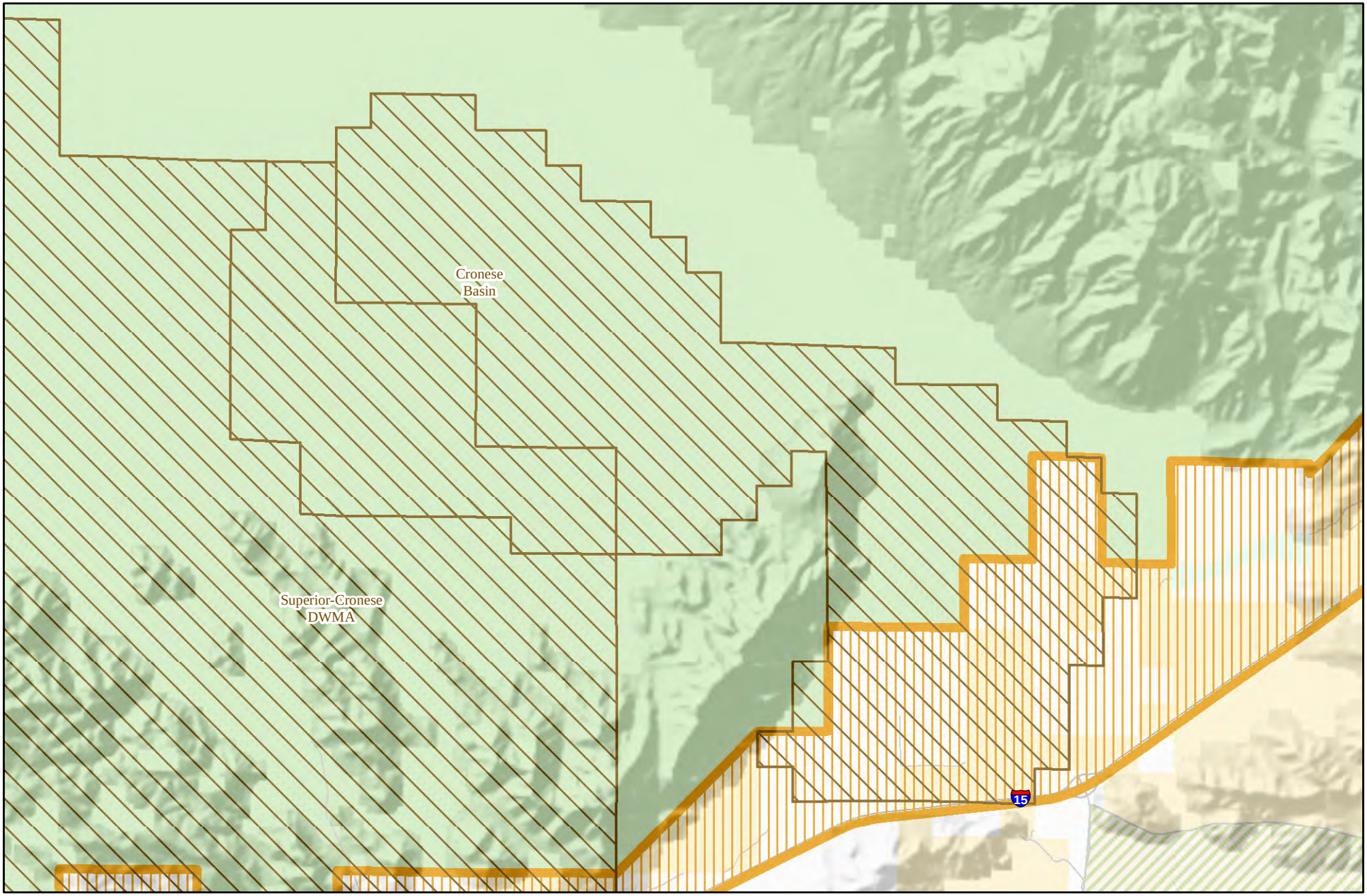


Cronese Basin



1 Miles

1.5 Kilometers

N

Alternative 3 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

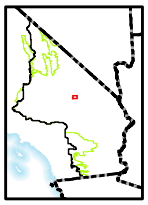
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



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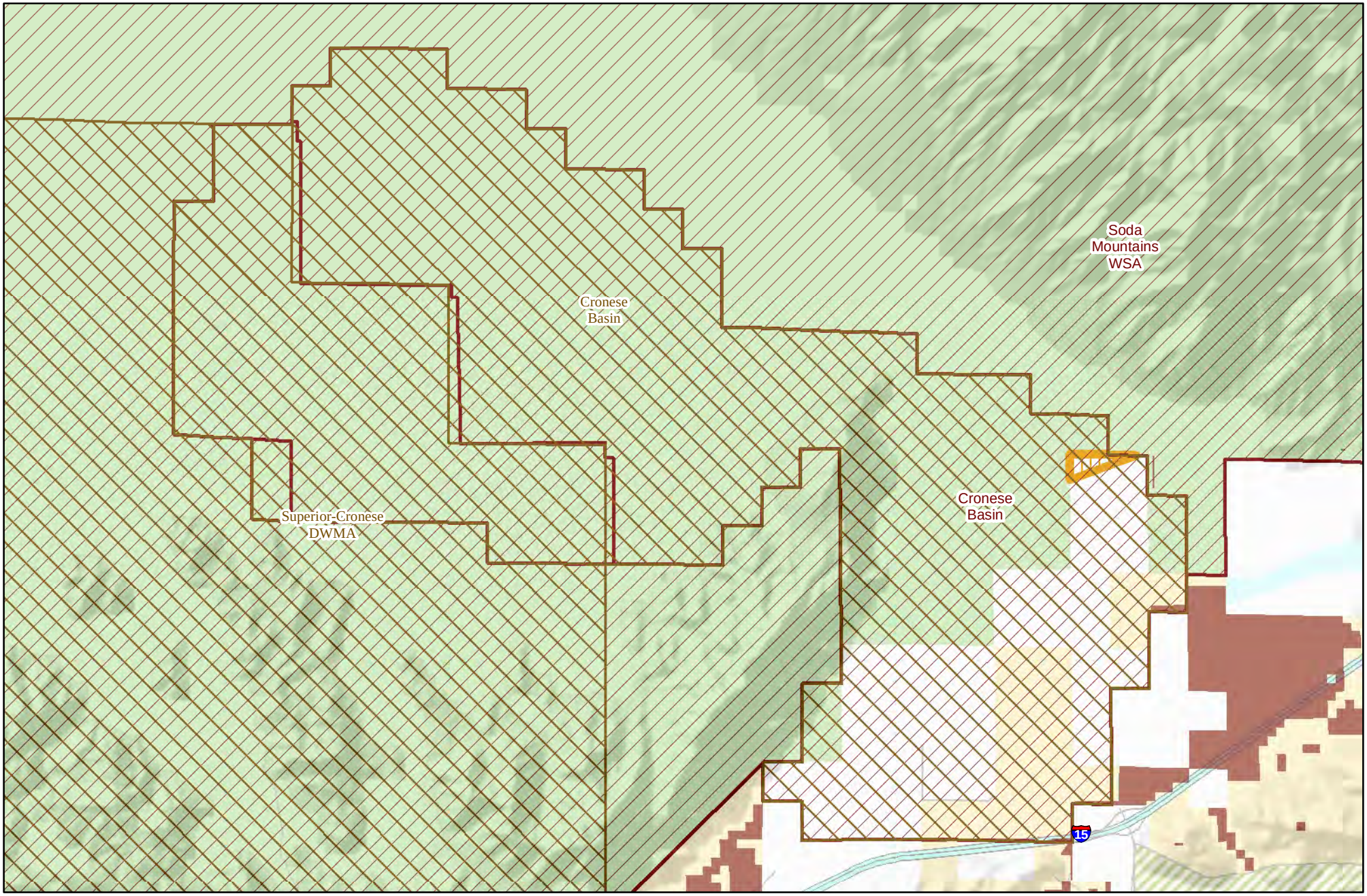


1 Miles

1.5 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

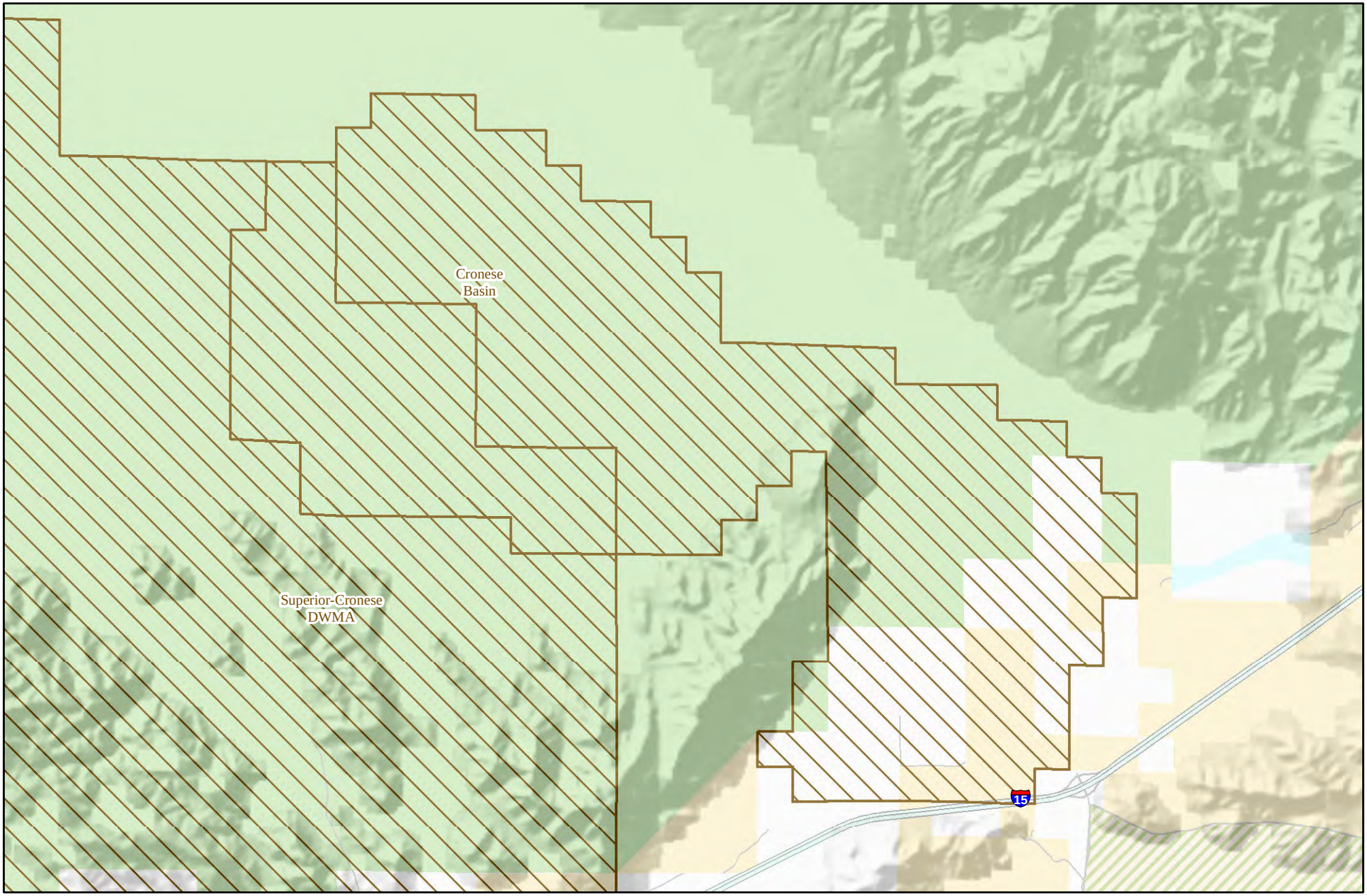
Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

Cronese Basin



1 Miles

1.5 Kilometers

N

No Action ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

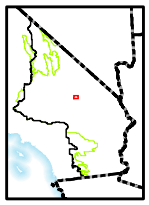
- Existing ACEC
- OHV Areas
- Legislatively and Legally Protected
- Cities
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Denning Spring

Description/Location: Located in the northern part of the Avawatz Mountains, just to the north of Fort Irwin and south of Death Valley National Monument.

Nationally Significant Values:
Cultural: The area is a diverse region for cultural resources. There are numerous sites that meet criteria for the National Register of Historic Places associated with this unit.

Special Designation/Management Plan/Date: ACEC Plan No. 17, May 1982

Relevance and Importance Criteria: Relevant cultural resource values. Multiple prehistoric and historic artifacts present within ACEC boundaries.

Goals: Protect cultural resources from inadvertent damage and discourage large amounts of recreation in the area.

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	400	0	NA
Preferred Alternative	0	400	0	1%
1	0	400	0	1%
2	400	400	0	1%
3	0	400	0	1%
4	0	400	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: Protect intact Nelson's Bighorn Sheep habitat Management Action: Maintain linkage connection across the ACEC to allow sheep to move between other large habitat blocks	Fish and Wildlife – Including special status species
See programmatic ACEC cultural resources objective and action items in general cultural resources rules.	Cultural Resources

Objective: General management and protection of paleontological resources Management Action 1: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed	Paleontology
Objective: Maintain integrity of large blocks of habitat Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria	Renewable Energy
Objective: Resolve cultural issues with several existing patented claims within the ACEC Management Action: Determine locations of cultural resources vs. patented mining claims	Locatable Minerals Mineral Materials Non-energy Leasables

Denning Springs

0.25 Miles

0.35 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

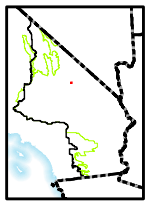
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Denning Springs

0.25 Miles

0.35 Kilometers

N

Alternative 1 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

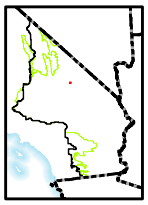
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Denning Springs

0.25 Miles

0.35 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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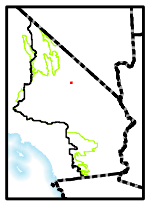
- CA Hwy
- County Hwy



Denning Springs

0.25 Miles

0.35 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
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- Other Federal
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GTLF

- Interstate
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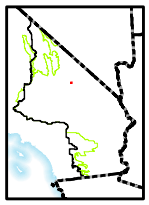
- CA Hwy
- County Hwy



Denning Springs

0.25 Miles

0.35 Kilometers

N

Alternative 4 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

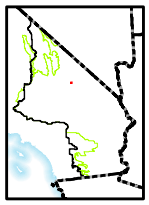
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Denning Springs

0.25 Miles

0.35 Kilometers

N

No Action ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

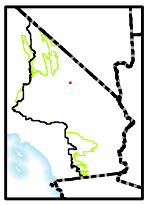
- Existing ACEC
- OHV Areas
- Legislatively and Legally Protected
- Cities
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Manix Paleontological Area

Description/Location: Located about 20 miles northeast of Barstow along the Mojave River.

Nationally Significant Values:
Scientific: The Manix fault is of importance for its paleontological resources. The study of these resources will help to better understand effects of climate change.

Special Designations/Management Plan/Date: ACEC Plan No. 85, 1990

Relevance and Importance Criteria: Relevant paleontological, cultural and wildlife resources. ACEC contains known fossil sites, as well as contains the habitat specific to the Mojave fringe-toed lizard.

Goals: To protect paleontological, cultural and wildlife 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	2,900	0	NA
Preferred Alternative	2,900	2,900	0	1%
1	0	2,900	0	1%
2	2,900	2,900	0	1%
3	0	2,900	0	1%
4	1,200	2,900	0	1%

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

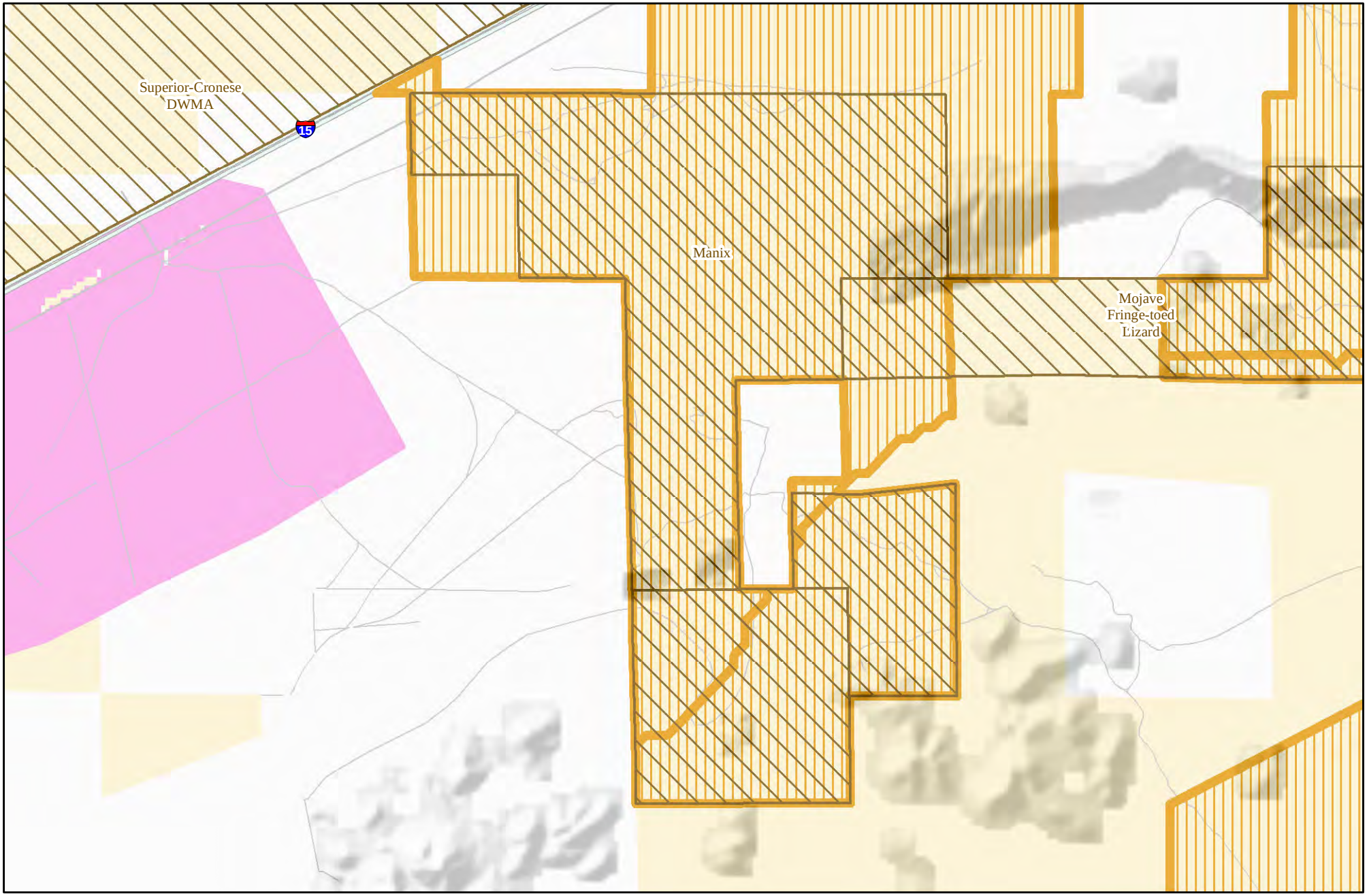
Alternatives:

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

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
Objective: Manage for the protection of Mojave fringe-toed lizard Management Action: Survey for Mojave fringe-toed lizard, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions including the maintenance of sand transport corridors	Fish and Wildlife - Including special status species
See programmatic ACEC cultural resources objective and action items in general cultural resources rules.	Cultural Resources

Objective: General Management and Protection of Paleontological Resources Management Action 1: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act Management Action 2: 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: Maintain integrity of large blocks of habitat Allowable Uses: 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

Manix



0.9 Miles

1 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

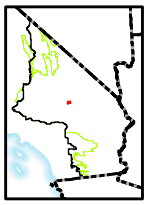
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



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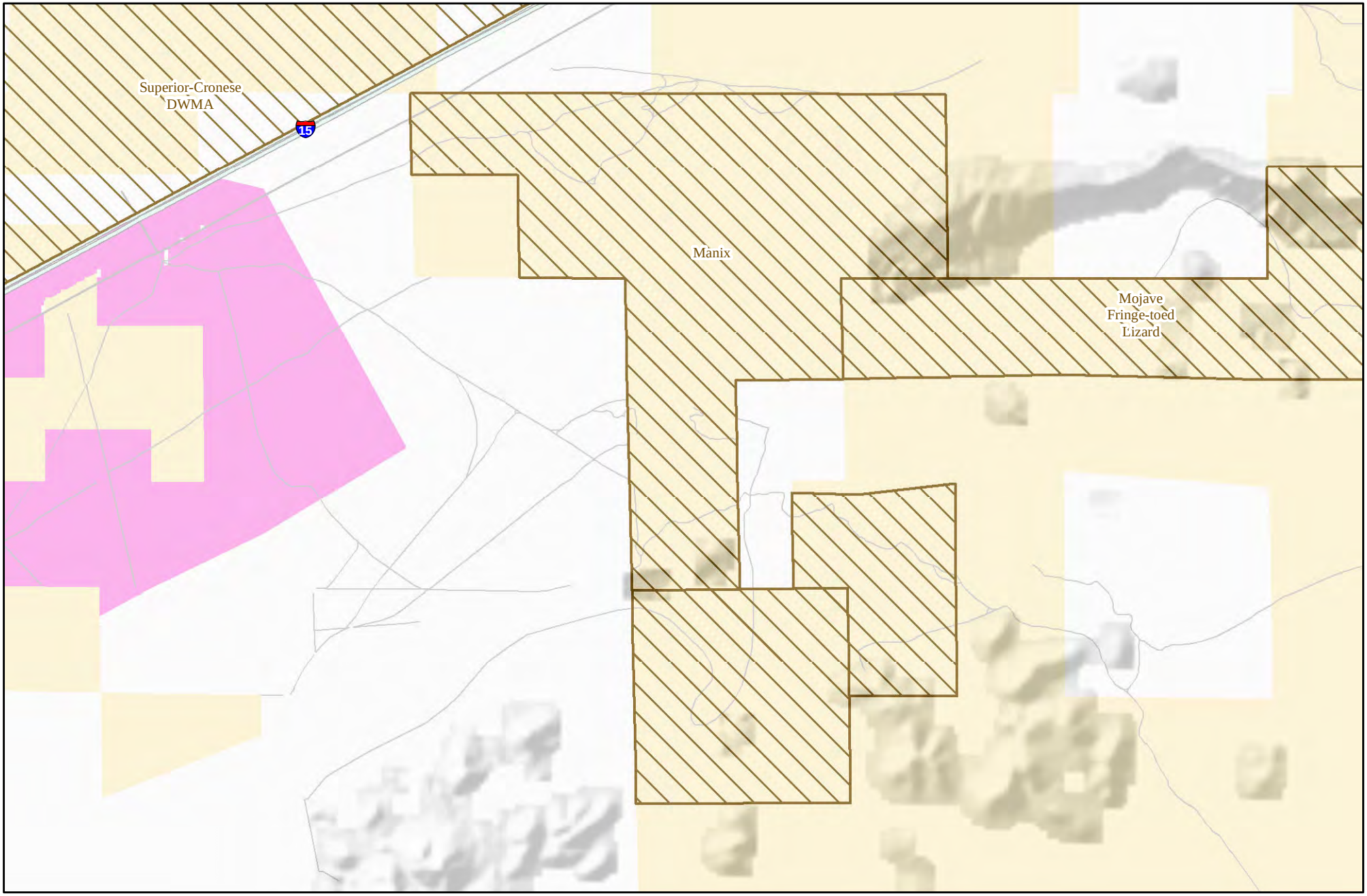

0.9 Miles

1 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

- Bureau of Land Management
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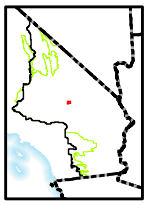
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



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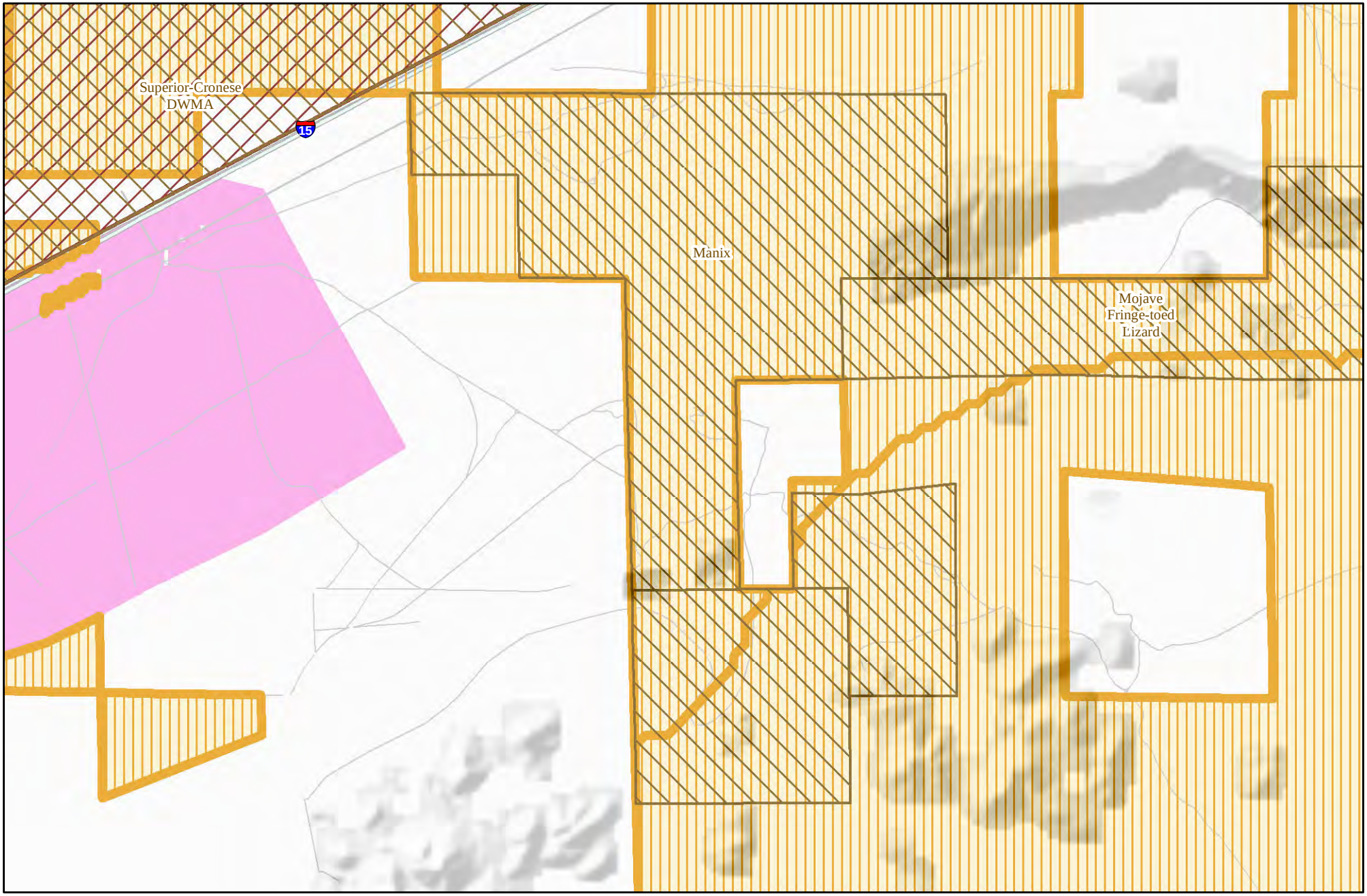


0.9 Miles

1 Kilometers

N

Alternative 2 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

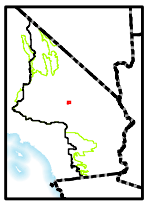
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



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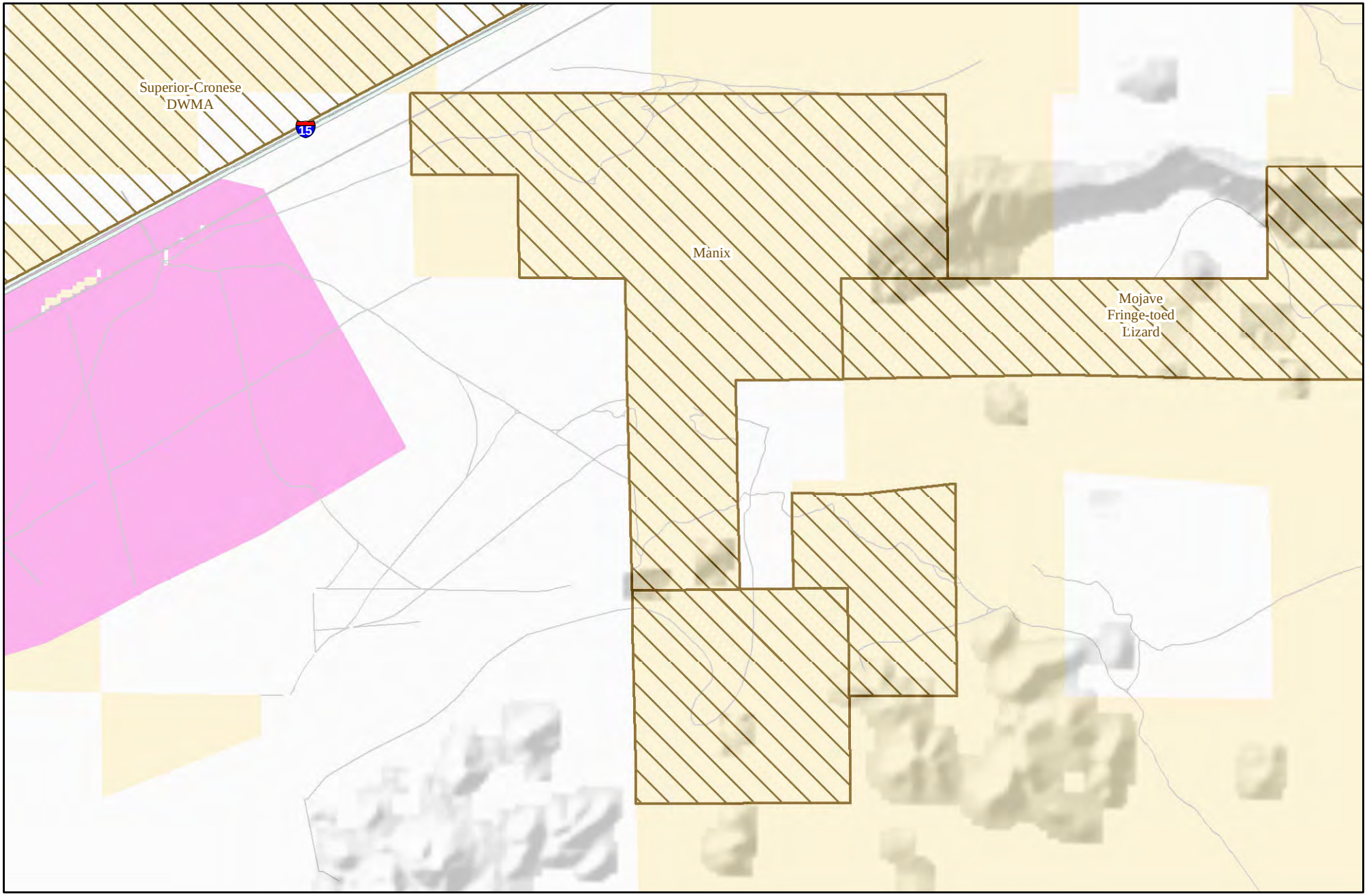

0.9 Miles

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

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- State
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GTLF

- Interstate
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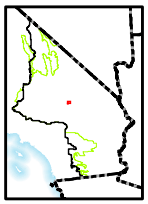

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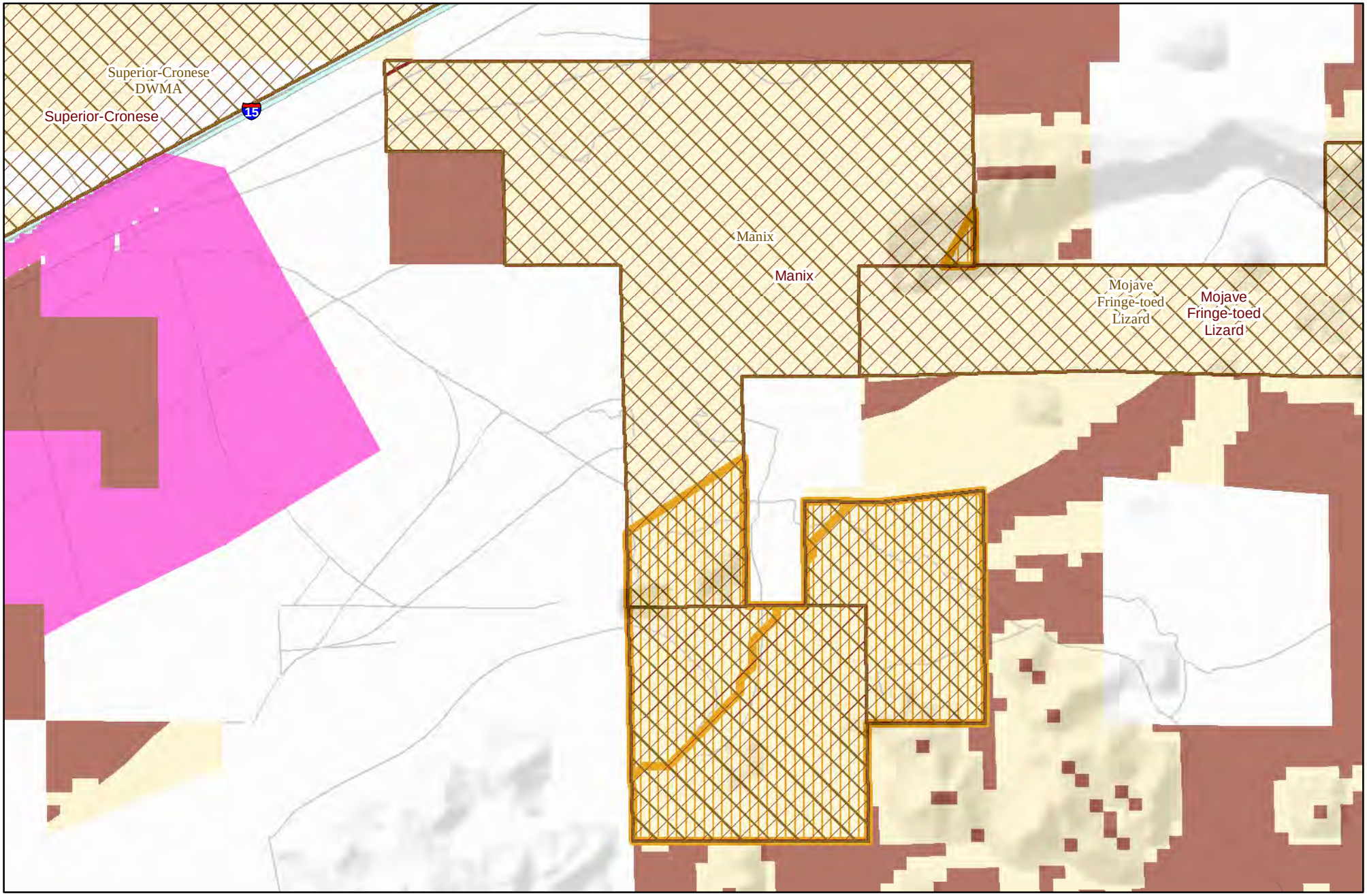


0.8 Miles

1 Kilometers

N

Alternative 4 ACECs

Date Printed: 8/6/2014

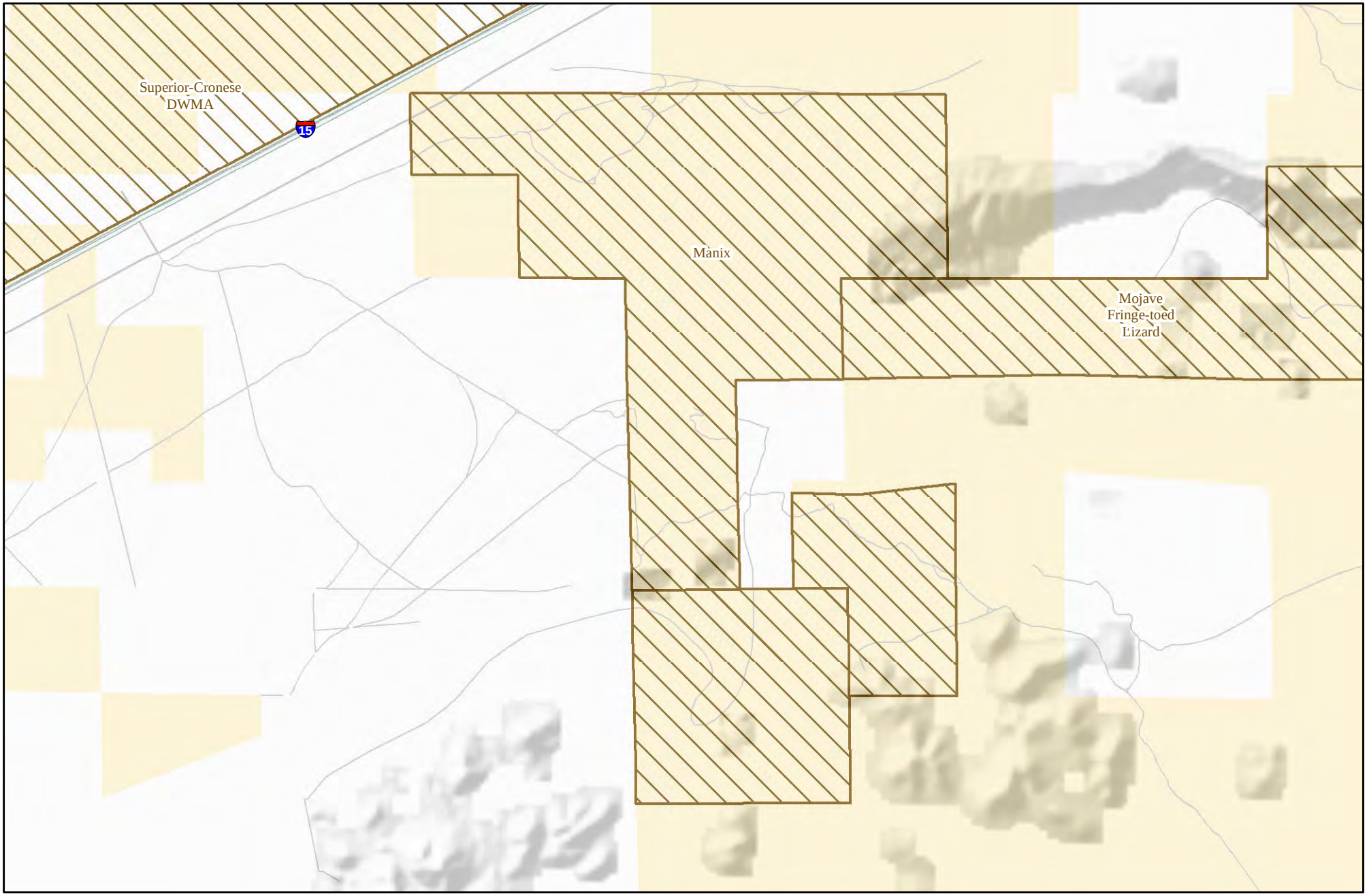
Prepared by BLM California State Office

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

Manix



0.9 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
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- Other Federal
- Military
- Private

GTLF

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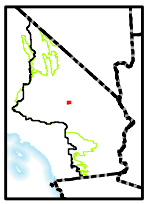
- CA Hwy
- County Hwy



Mesquite Hills-Crucero
Description/Location: Located 17 miles south southwest of Baker, San Bernardino County, California. Situated within Mojave Sink to the south of Soda Dry Lake. **Nationally Significant Values:** The Mesquite Hills and Crucero Hills are located within the historic flood zone of the emptying of Death Valley ~15,000 years ago. The accumulation of sands within this area come from the since dried up lake beds. These sands shelter and protect evidence of the past in addition to providing habitat to an extensive Mesquite bosques. Ecological: Extensive mesquite groves which exist within the ACEC are of high importance, few mesquite bosques still exist in Southern California Deserts due to development. The area is critical for fringed toed lizards, desert tortoise, burrowing owl and several bat species. Additionally, relevant biological resources including wildlife and plant assemblages, numerous rare and sensitive plants have major populations in the valley, making the area regionally significant. Cultural:Nomadic tribes of the past to recent native American activities have occurred within the Mesquite Hills/Crucero Hills for over 4,000 years. Evidence of Native American visitation within the Mesquite Hills/Crucero Hills spans over 4,000 years and are scattered throughout the area. This location is also of significant importance as a Native American as a heritage learning area for traditional learning skills. **Relevance and Importance Criteria**: As presented in CDCA 1980, relevant cultural resource values. Over 50 archaeological sites recorded in the region that contained temporary camps, intaglios, petroglyphs, milling stations, lithic scatters and pottery. **Mgmt. Plan/Date of Designation:** ACEC Plan No. 42, August 1989 **Goals:** Protect archaeological and ecological resources. Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public uses. Protect mesquite bosque habitat and species associated with the habitat, such as Lucy's Warbler (*Oreothlypis luciae*).

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	5,000	0	NA
Preferred Alternative	5,000	5,000	0	1%
1	5,000	5,000	0	1%
2	5,000	5,000	0	1%
3	0	5,000	0	1%
4	5,000	5,000	0	1%

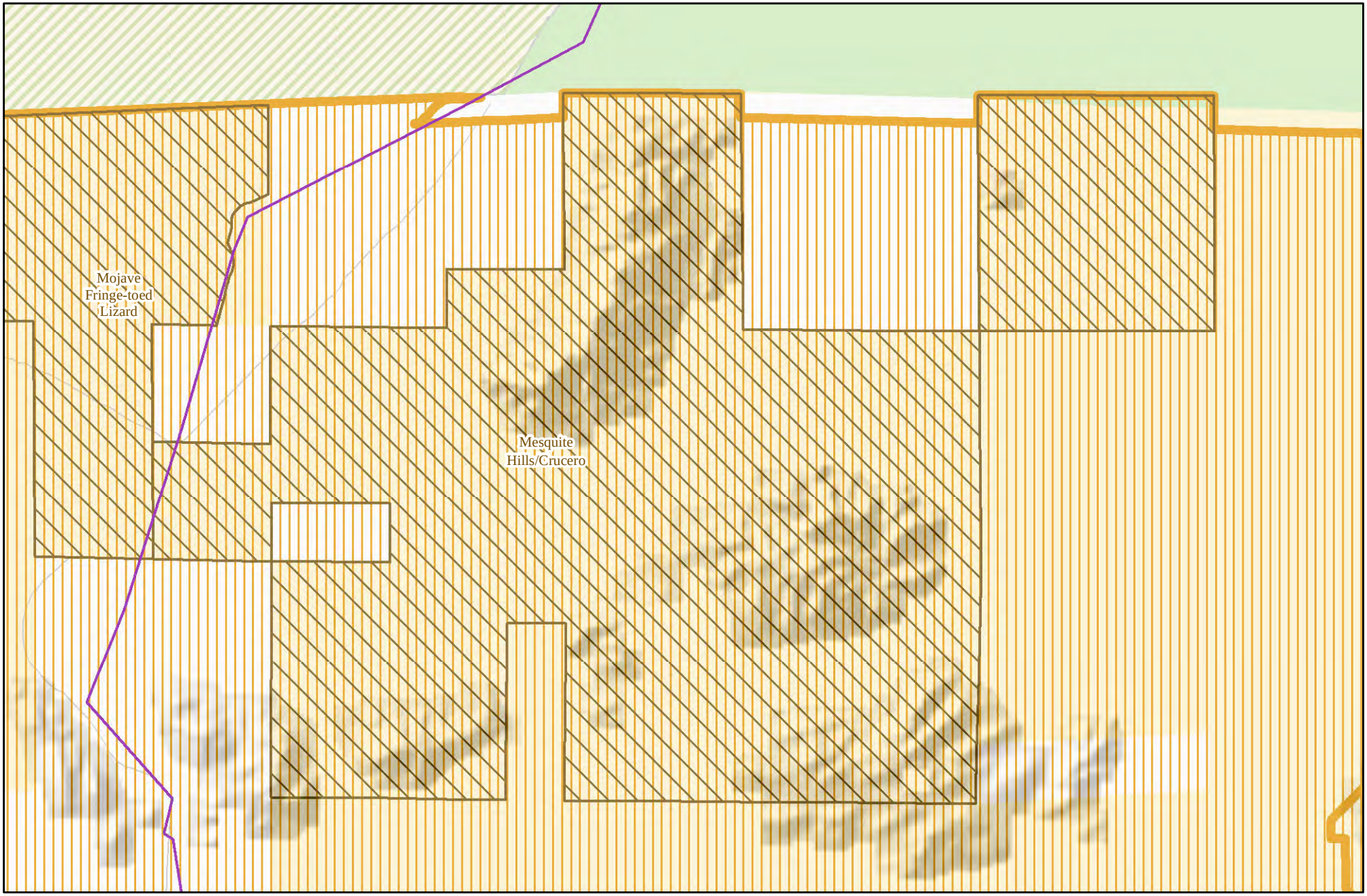
*** Acreage values are for BLM managed lands**

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

Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Maintain proper functioning condition of soils and vegetation. Control erosion. Limit OHV use to designated routes.	Soil, water, air
Objective: Protect and enhance sensitive species habitat and Unusual Plant Assemblage: Mesquite Bosque, Mojave Sink Desert Wash Assemblage Management Action 1: Control invading exotic species as needed Management Action 2: Monitor habitat for general health	Vegetation (incl. special status species)
Objective: Monitoring/Protective Measures Management Action 1: Provide on-going monitoring for cultural resources based on the threat assessment. Objective: Ensure that the Native American concerns are fully considered in all BLM management decisions Management Action 1: Apprise and solicit the comments of indigenous tribal representatives regarding all undertakings within the ACEC Objective: Protect and monitor cultural resources Management Action 1: Increase ranger patrol. Assess nature and extent of visitation, unauthorized use, and condition trends.	Cultural Resources
Objective: General Management and Protection of Paleontological Resources Action Item 1: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act. Action Item 2: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed.	Paleontology

Limit linear ROWs to designated corridors. Consider other ROWs that do not conflict with ACEC values.	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
Open to entry for locatable minerals, require plan of operation. Consider saleable and leaseable minerals proposals if they do not conflict with ACEC values.	Locatable Minerals Mineral Materials Non-energy Leasables

Mesquite Hills/Crucero



0.8 Miles

1 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

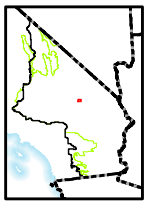
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

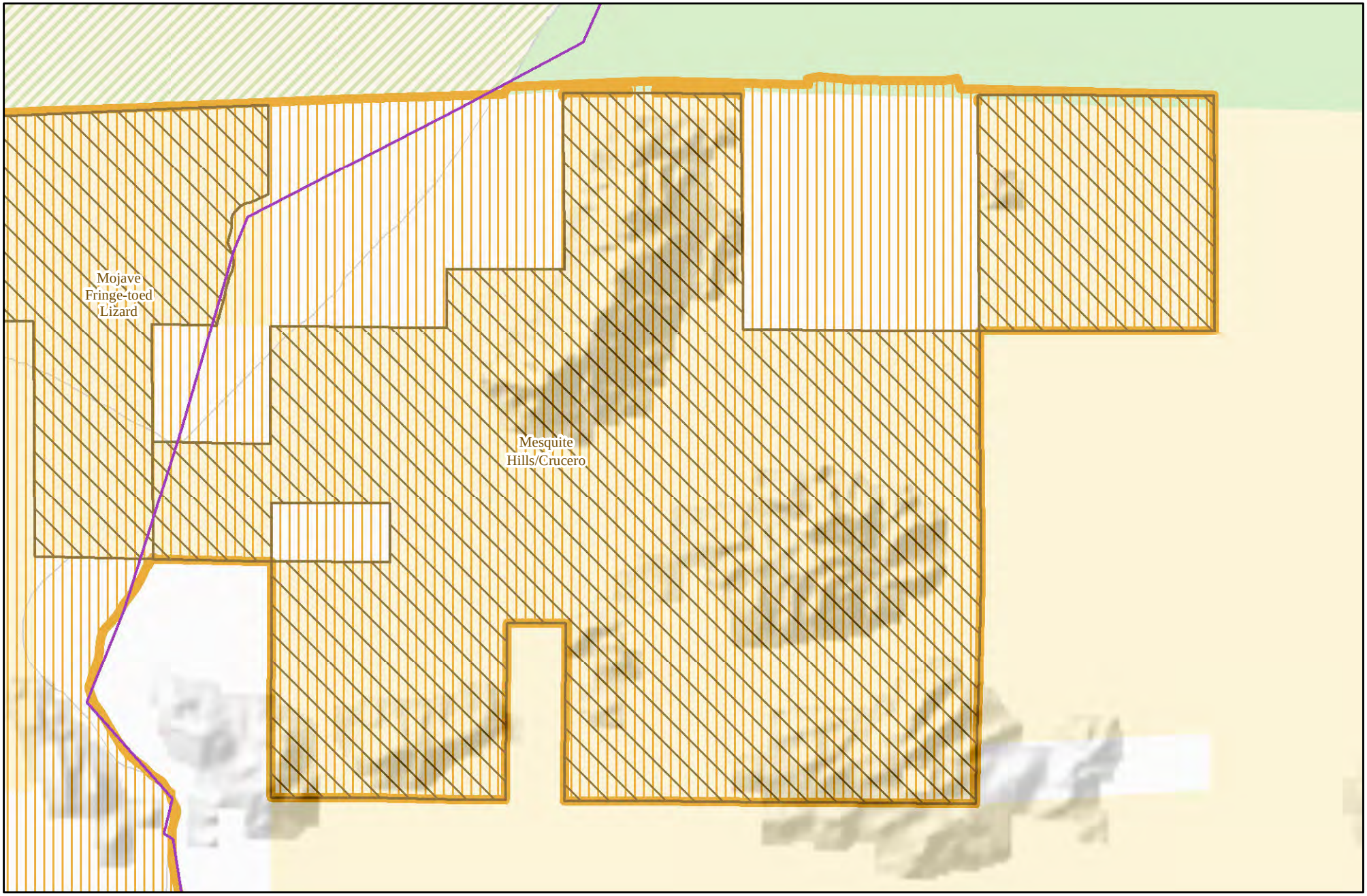
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Mesquite Hills/Crucero



0.8 Miles

1 Kilometers

N

Alternative 1 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

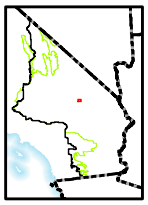
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

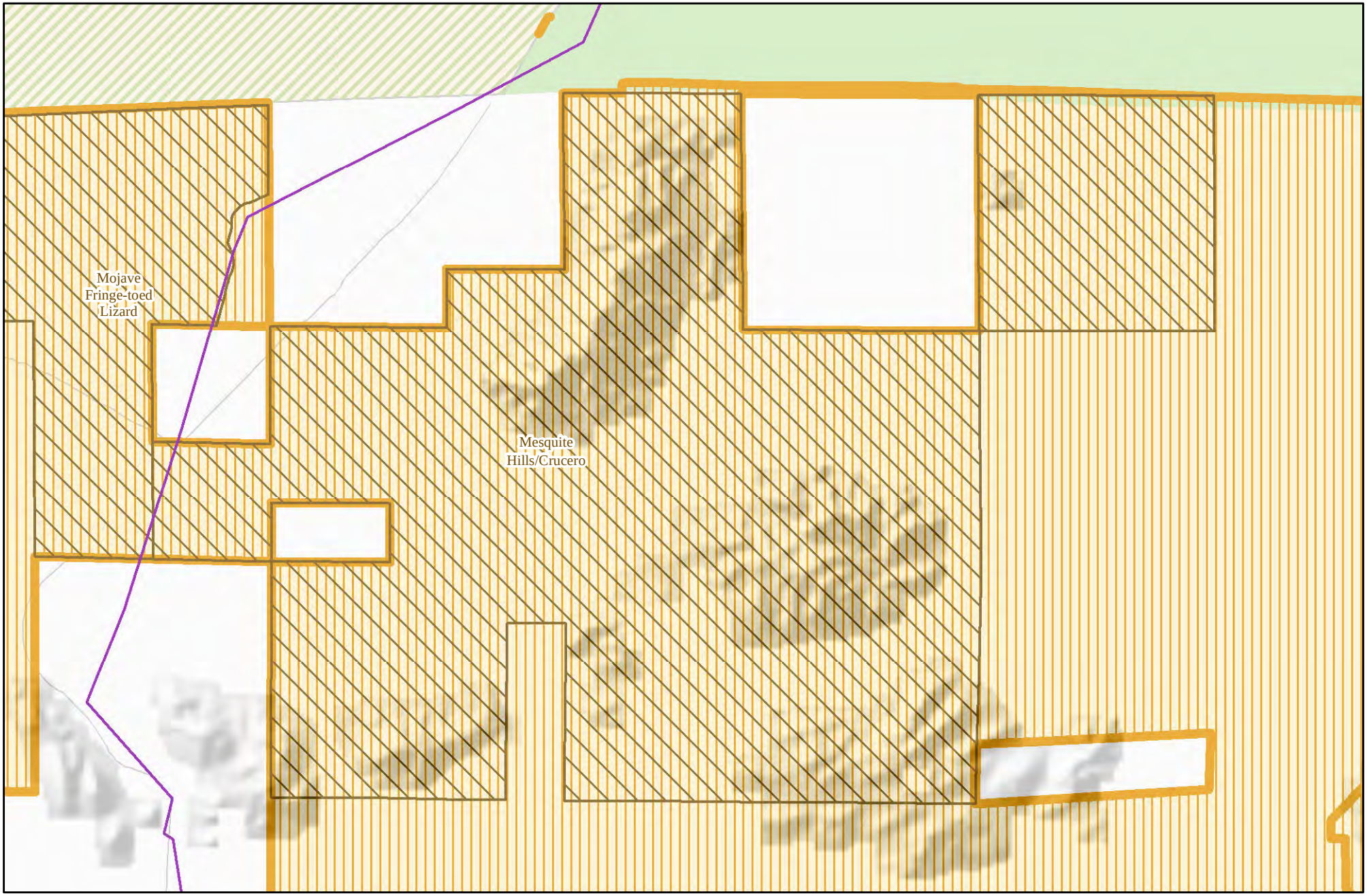
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Mesquite Hills/Crucero



0.8 Miles

1 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
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- BLM Field Office

Land Status

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GTLF

- Interstate
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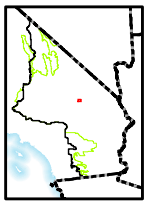
- CA Hwy
- County Hwy



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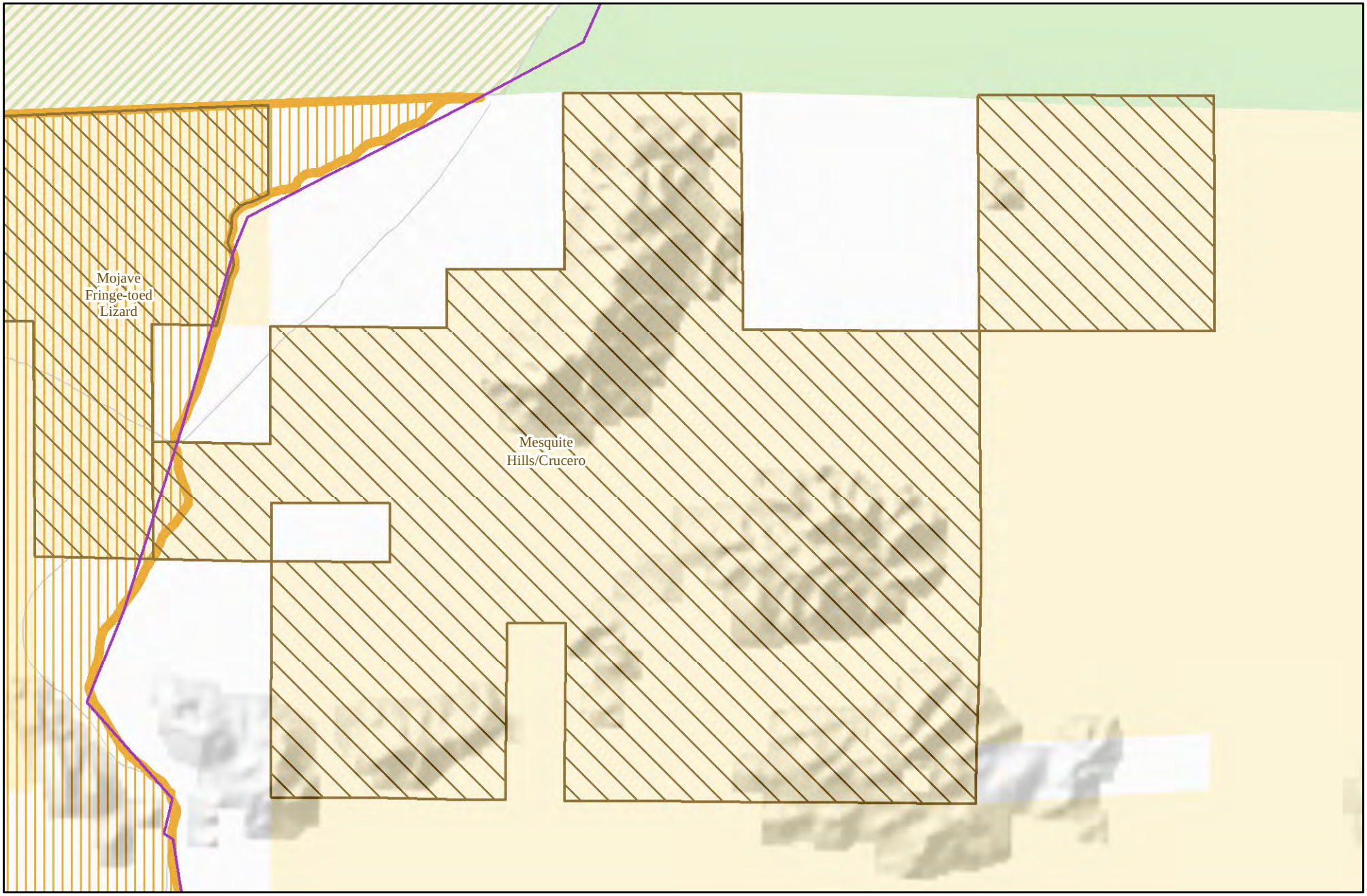

0.8 Miles

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
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Land Status

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GTLF

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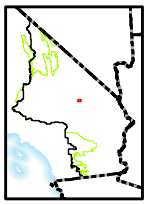
- County Hwy



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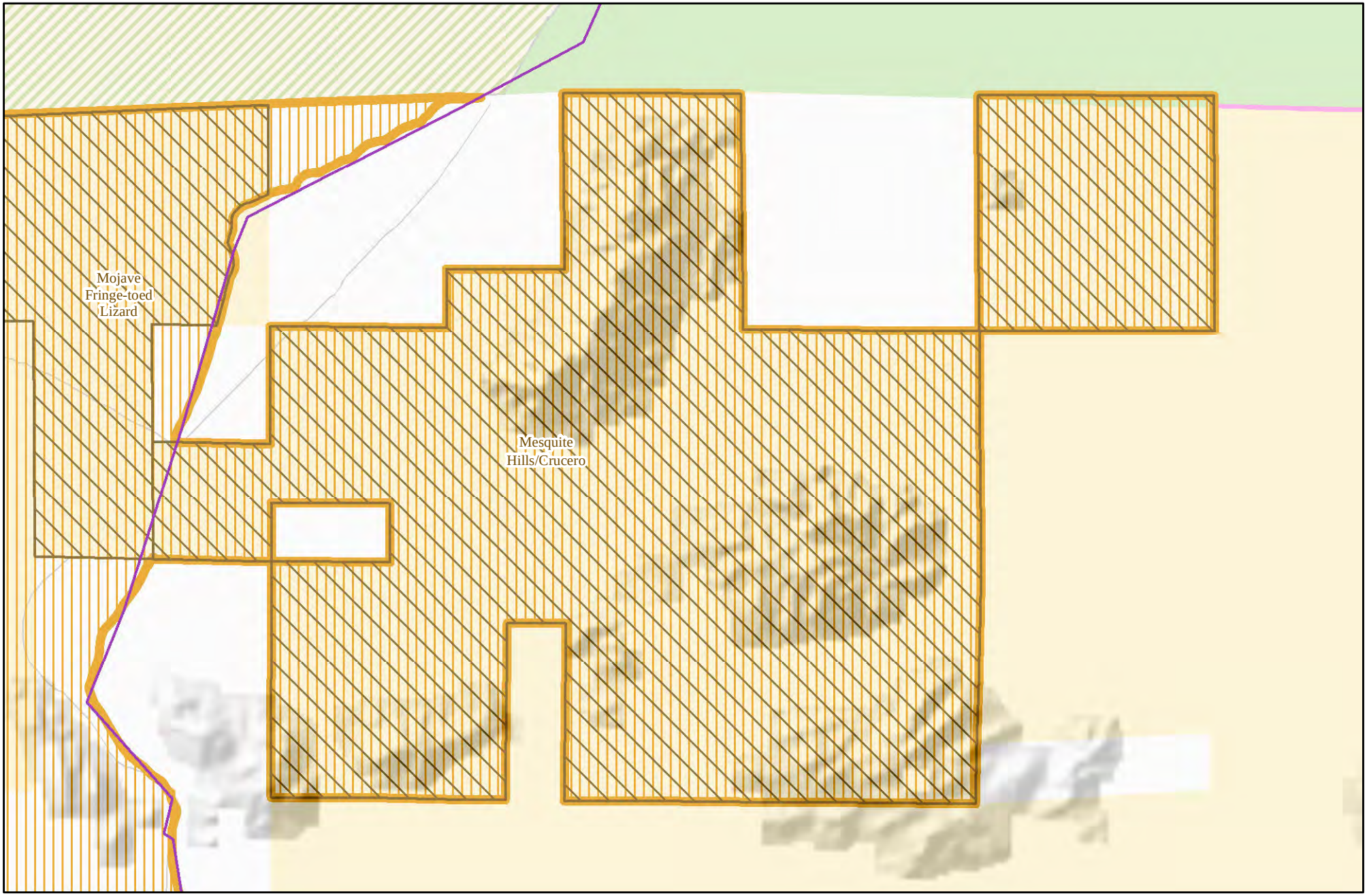

0.8 Miles

1 Kilometers

N

Alternative 4 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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Land Status

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GTLF

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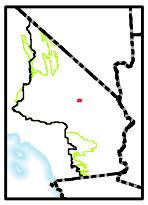
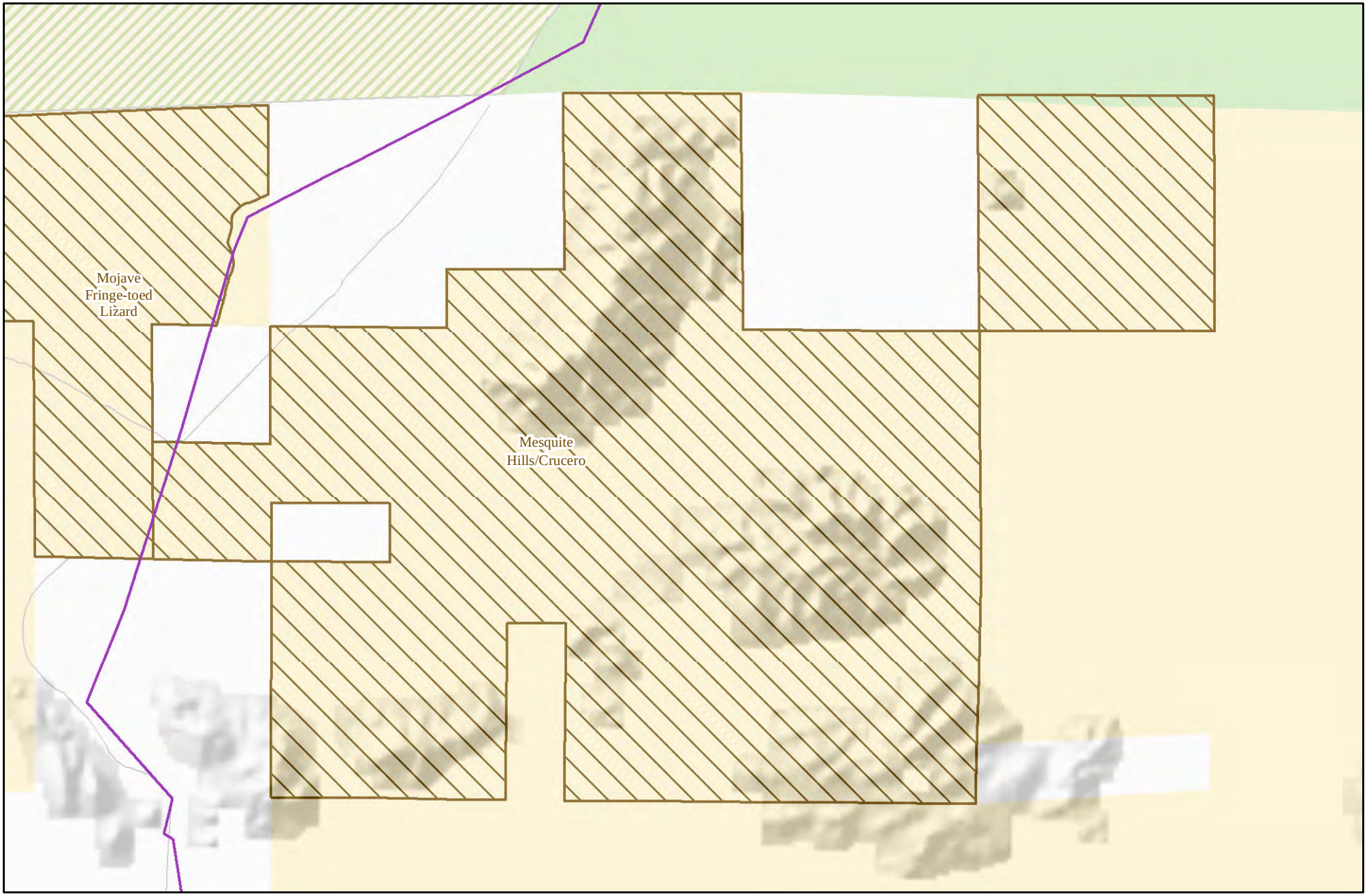


Mesquite Hills/Crucero



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
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Land Status

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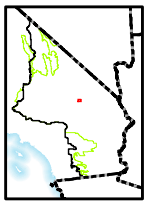


Parish's Phacelia

Description /Location: This unit is completely encompassed in the Superior-Cronese DWMA, approximately 3.5 miles north of Interstate 15 and the town of Harvard.

Nationally Significant Values:
Ecological: The area is important for botanical resources and to protect sensitive and restrictive plant species, in particular the largest known population of Parish's phacelia (*Phacelia parishii*). There are only 8 known occurrences of this species, most of which have not been located since pre-1980.

Special Designations/Management Plan/Date: ACEC established in 2006 West Mojave Plan

Relevance and Importance Criteria: Ecological: Set aside solely to protect the largest known population of Parish's phacelia.

Goals: Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public 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	500	0	NA
Preferred Alternative	500	500	0	0.5%
1	0	500	0	0.5%
2	500	500	0	0.5%
3	0	500	0	0.5%
4	0	500	0	0.5%

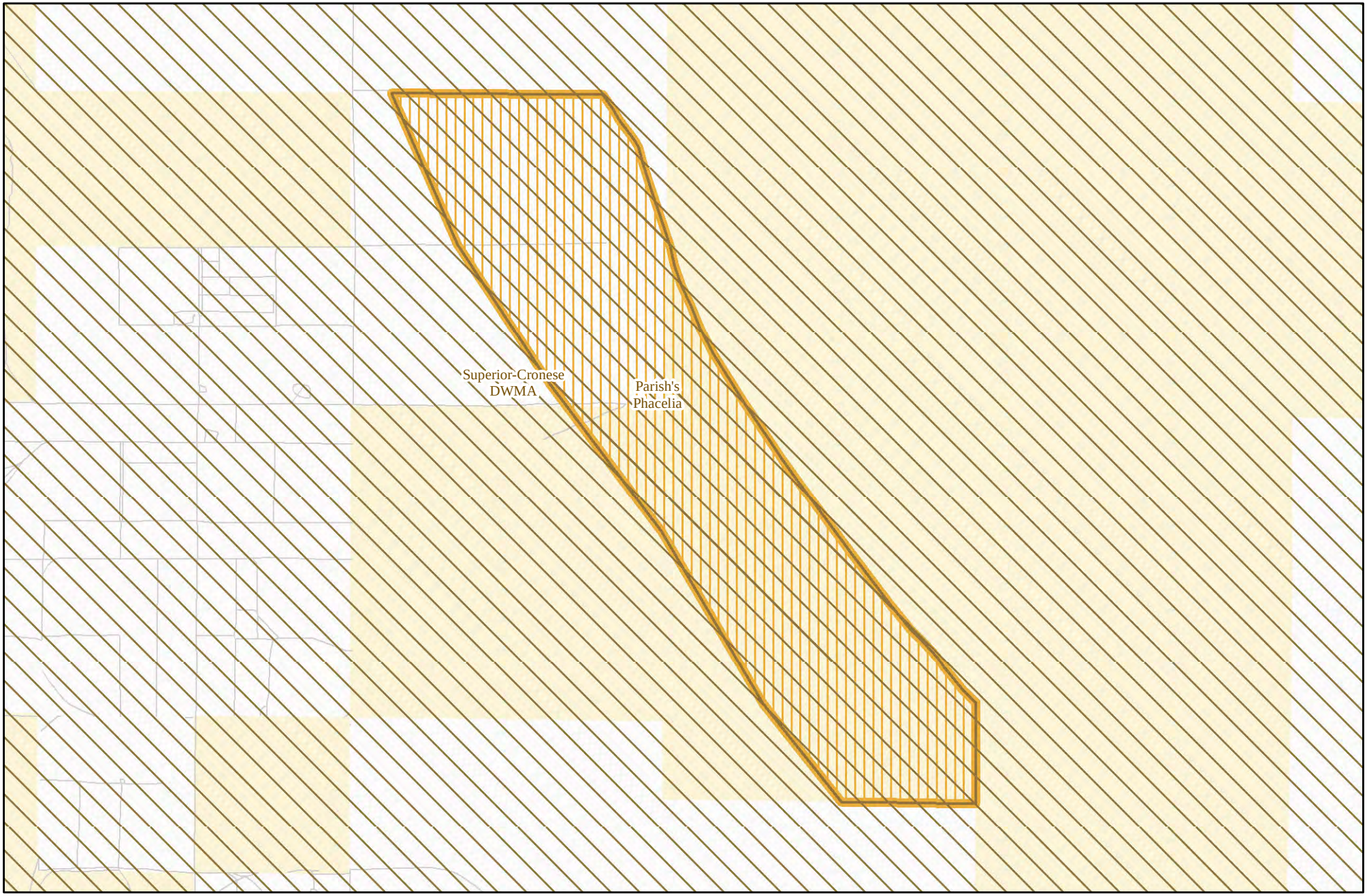
*** Acreage values are for BLM managed lands**

Alternatives:
All Actional Alternatives: This ACEC completely overlaps the Superior-Cronese ACEC. To resolve this dual designation, all action alternatives will remove this area from Superior-Cronese. It will remain identified as the Parish's Phacelia ACEC. Management of this ACEC will continue as it is currently being managed.

No Action: This existing ACEC would continue to be managed as it is and the dual designation would remain.

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
Objective: Protect and enhance Parish's phacelia (*Phacelia parishii*) populations Management Action 1: Protect viable populations on public land throughout the range	Vegetation - Including special status species
Objective: Protect Parish's phacelia from impacts associated with vehicle traffic Allowable Uses: All vehicle traffic limited to designated roads and trails Management Action 1: Protect habitat by restricting vehicle traffic on the dry lakebeds within the ACEC Management Action 2: Place signs around the boundary of the ACEC Management Action 3: Establish no new routes in ACEC	Trails and Travel Management
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 plant population by designation of OHV routes through the area Allowable Uses: No camping Management Action: Modify the WEMO Route Network to reflect open routes through the ACEC and close other existing unauthorized routes	Recreation
Objective: Consolidate habitat management Management Action: Acquire inholdings from willing sellers	Land Tenure
Right of Way avoidance area.	Rights of Way (ROW)
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

Parish's Phacelia



0.6 Miles

0.85 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

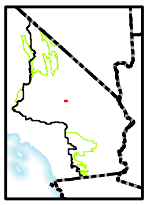
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

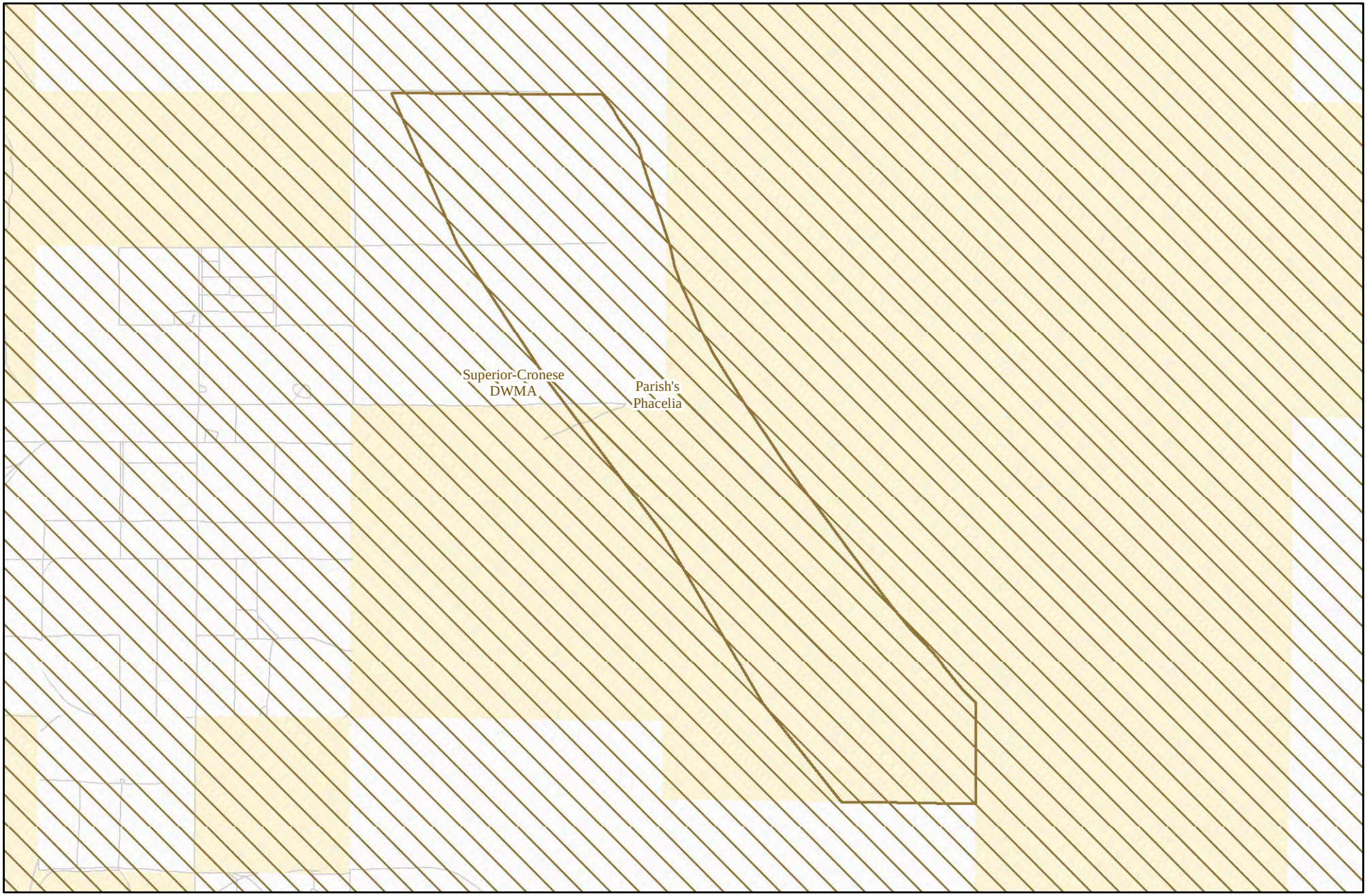
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Parish's Phacelia



0.6 Miles

0.85 Kilometers

N

Alternative 1 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

- Existing ACEC
- Proposed ACEC
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- Design Focus Areas
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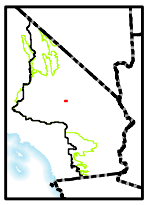
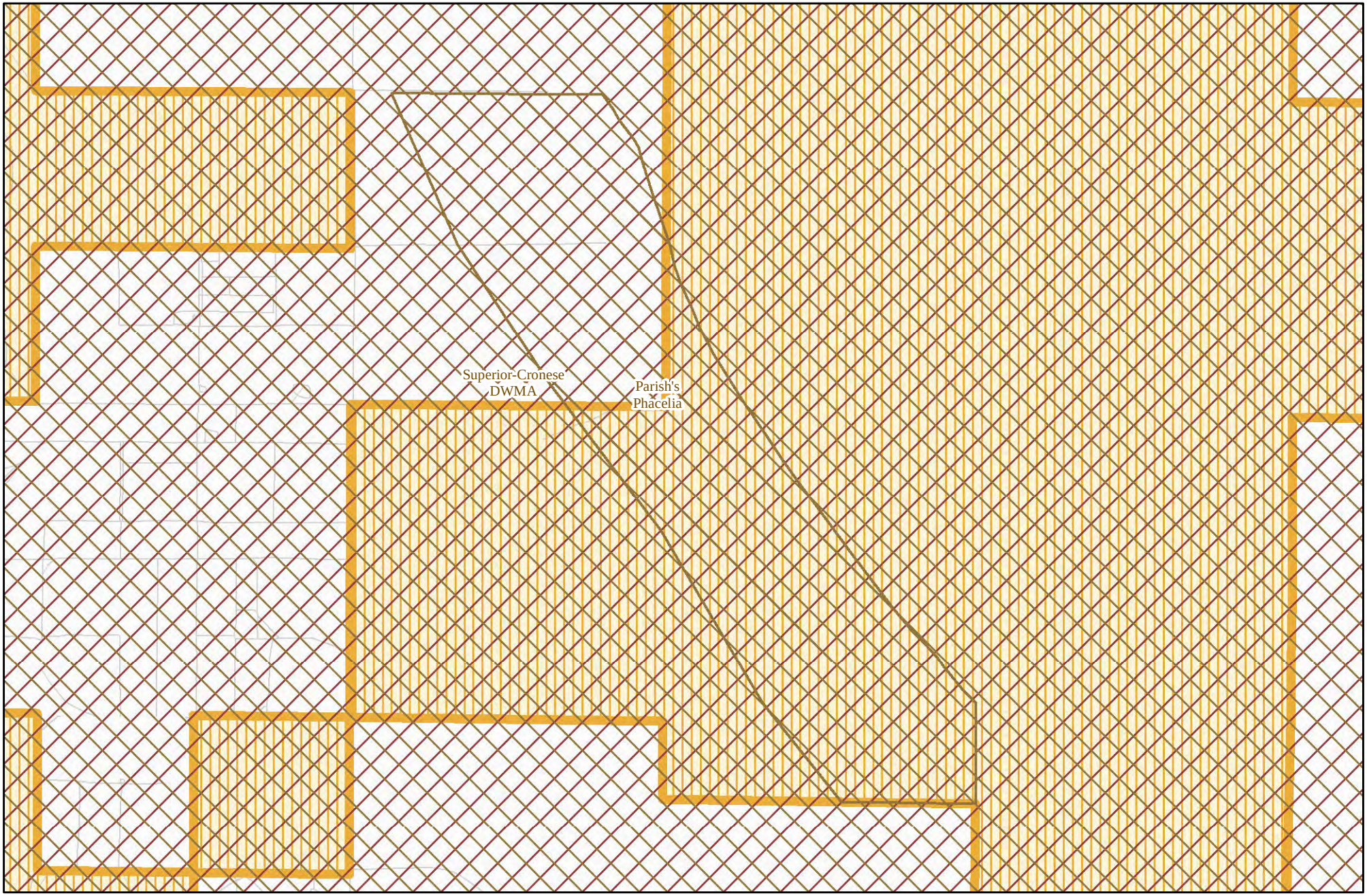
- County Hwy



Parish's Phacelia



0.6 Miles

0.85 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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- Design Focus Areas
- Legislatively and Legally Protected
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- CDCA Boundary
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- BLM Field Office

Land Status

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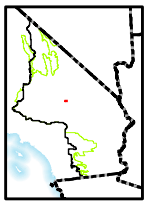
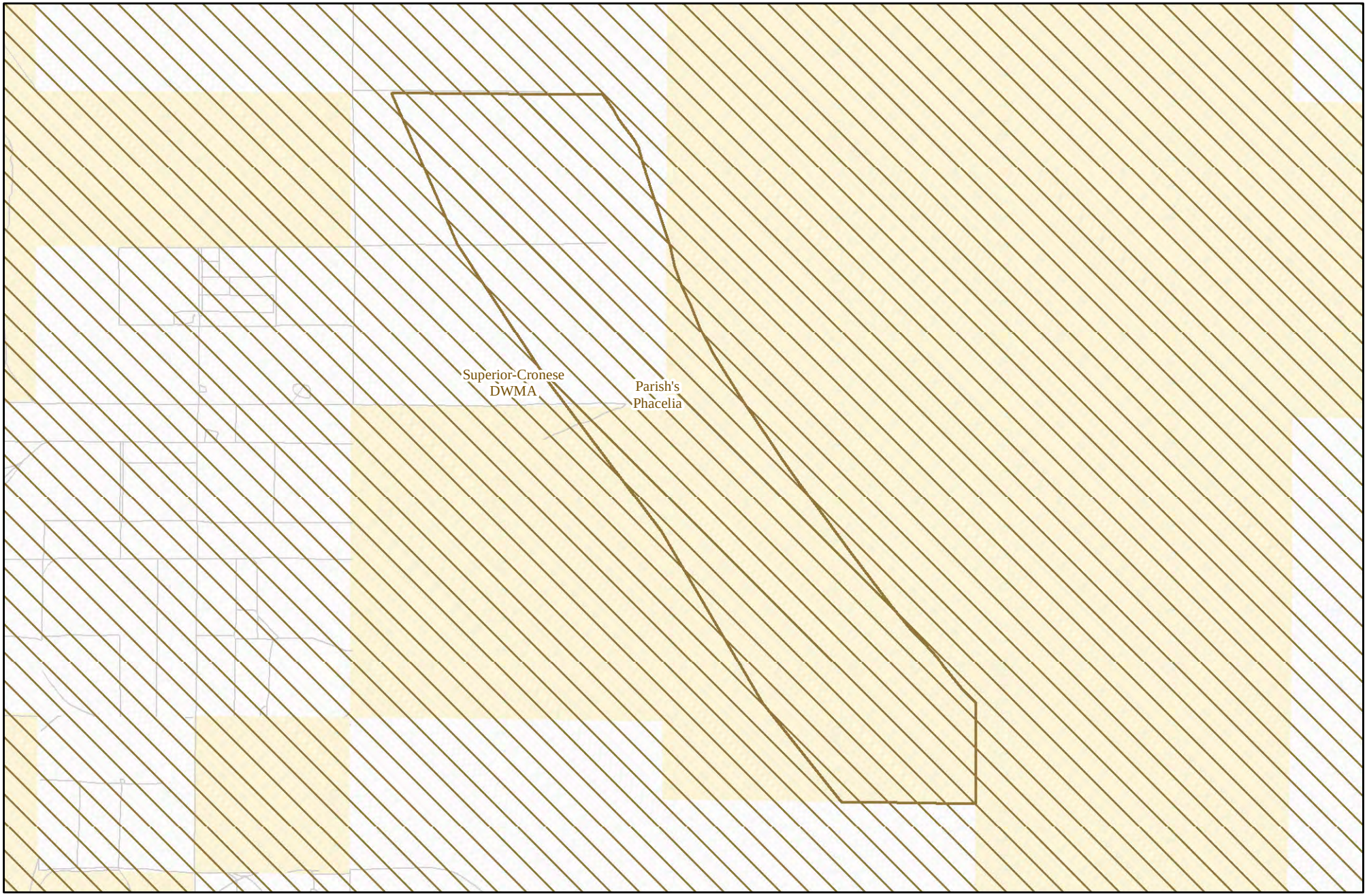
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Parish's Phacelia



0.6 Miles

0.85 Kilometers

N

Alternative 3 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

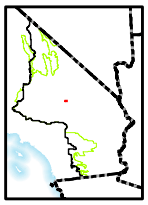
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

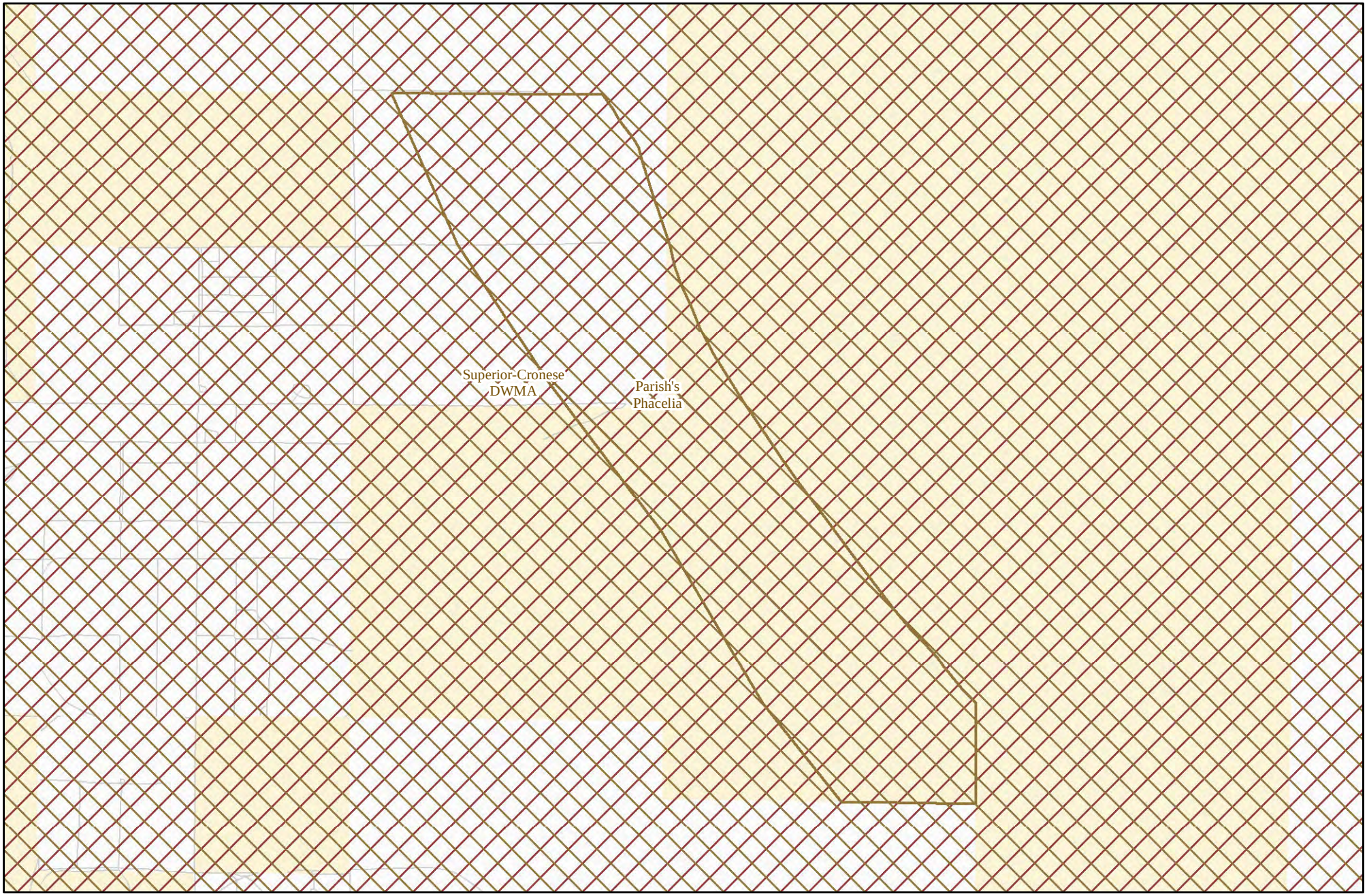
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Parish's Phacelia



0.6 Miles

0.85 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
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GTLF

- Interstate
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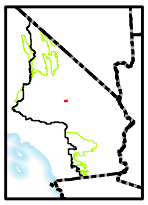
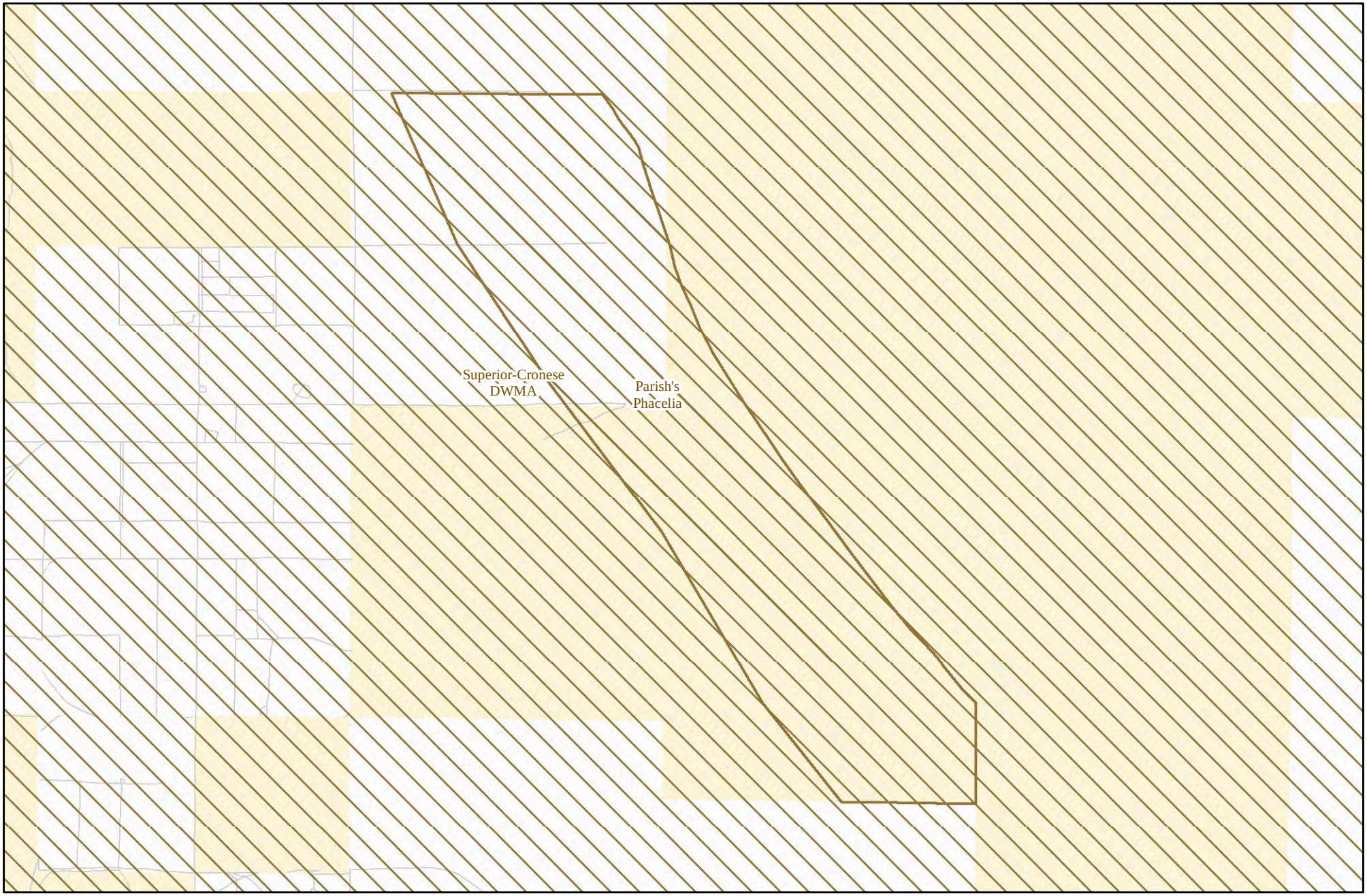


Parish's Phacelia



0.6 Miles

0.85 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

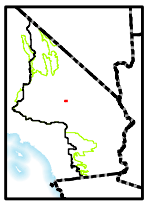
GTLF

Interstate

US Hwy

CA Hwy

County Hwy



Rainbow Basin/Owl Canyon

Description/Location: Approximately 8 miles north of Barstow in central San Bernardino County. Accessible by Fort Irwin Road, then west on Fossil Bed Road to the Rainbow Basin Road.

Nationally Significant Values:
Scientific: This area is of importance for its paleontological resources. The study of these resources will help to better understand effects of climate change.

Special Designations/Management Plan/Date: ACEC Plan No. 39, May 1991

Relevance and Importance Criteria: Relevant wildlife, scenic, geological and paleontological resource values. Contains a spectacular display of colorful sedimentary rocks with geological structures clearly exposed. Contains habitat for the desert tortoise, as well as two nest sites for the prairie falcon.

Goals: Preservation and protection of outstanding and significant values, while allowing for public use, appreciation and study.

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	4,100	0	NA
Preferred Alternative	4,100	4,100	0	0.5%
1	0	4,100	0	0.5%
2	4,100	4,100	0	0.5%
3	0	4,100	0	0.5%
4	3,800	4,100	0	0.5%

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

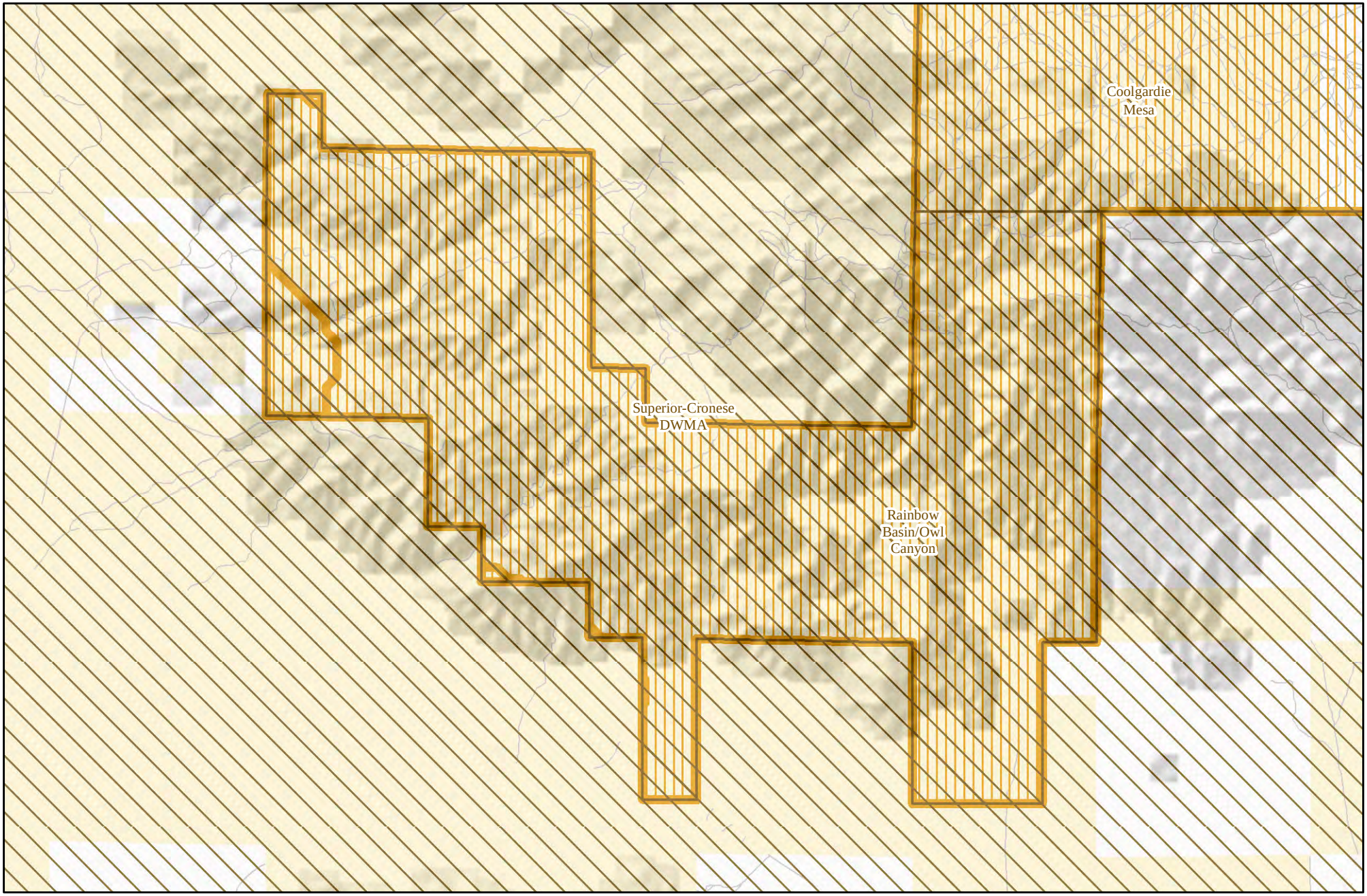
Alternatives:

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

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
Objective: Manage for the protection of rare species and communities. Management Action 1: Survey for sensitive species, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions Management Action 2 : Protect Natural Communities listed as rare by the state.	Vegetation – Including special status species

Objective: Manage for the protection of sensitive wildlife habitat Special Status Species: Desert tortoise Mojave Ground Squirrel Management Action: Survey for sensitive species, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions	Fish and Wildlife - Including special status species
See programmatic ACEC cultural resources objective and action items in general cultural resources rules.	Cultural Resources
Objective: General Management and Protection of Paleontological Resources Management Action 1: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act Management Action 2: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed	Paleontology
Right of way avoidance zone	Rights of Way (ROW)
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

Rainbow Basin/Owl Canyon



0.9 Miles

1 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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- Proposed ACEC
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- 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
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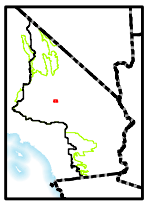
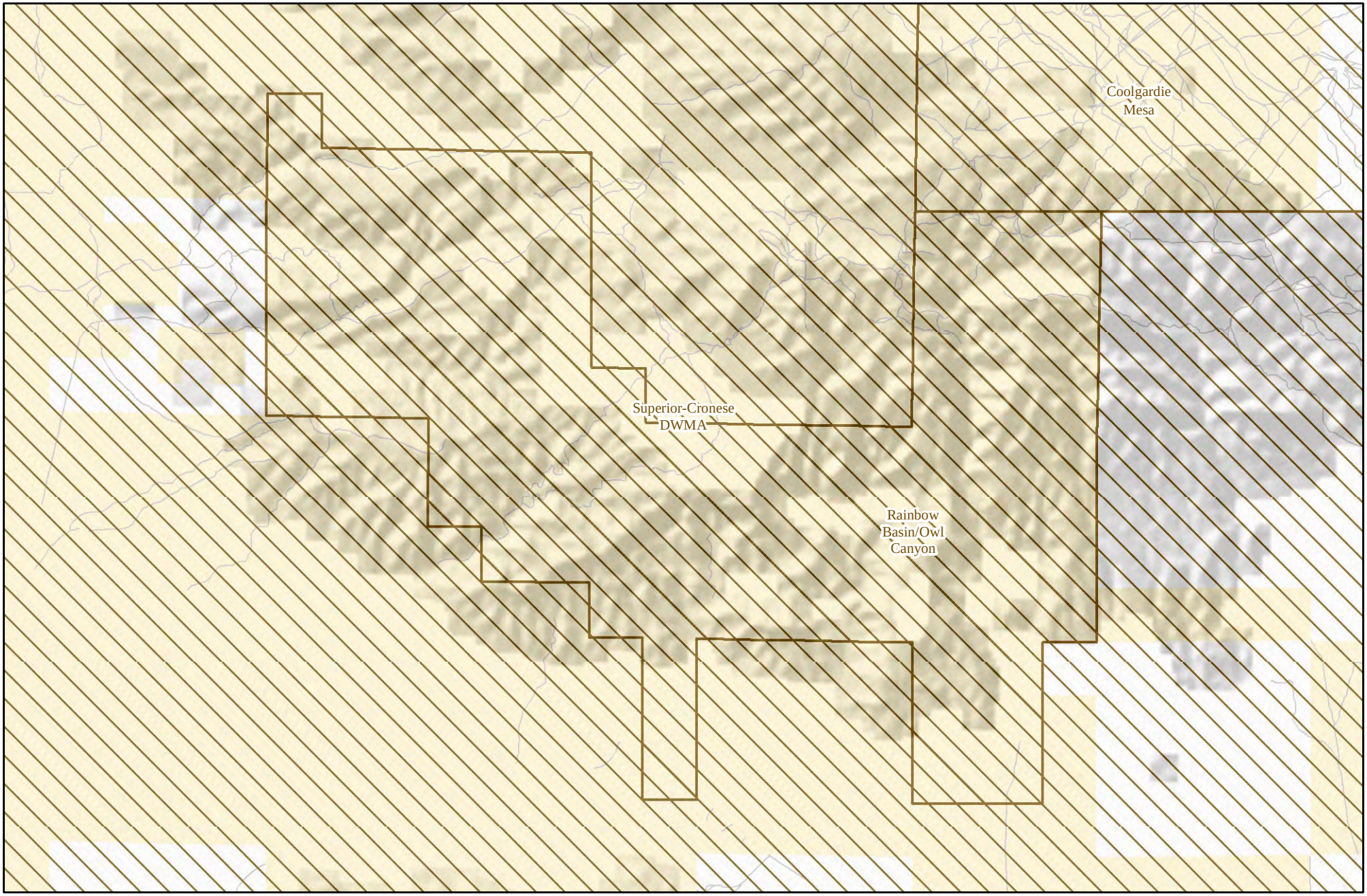
- CA Hwy
- County Hwy



Rainbow Basin/Owl Canyon



0.9 Miles

1 Kilometers

N

Alternative 1 ACECs

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Prepared by BLM California State Office

ACEC Layers

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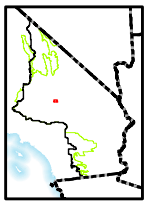
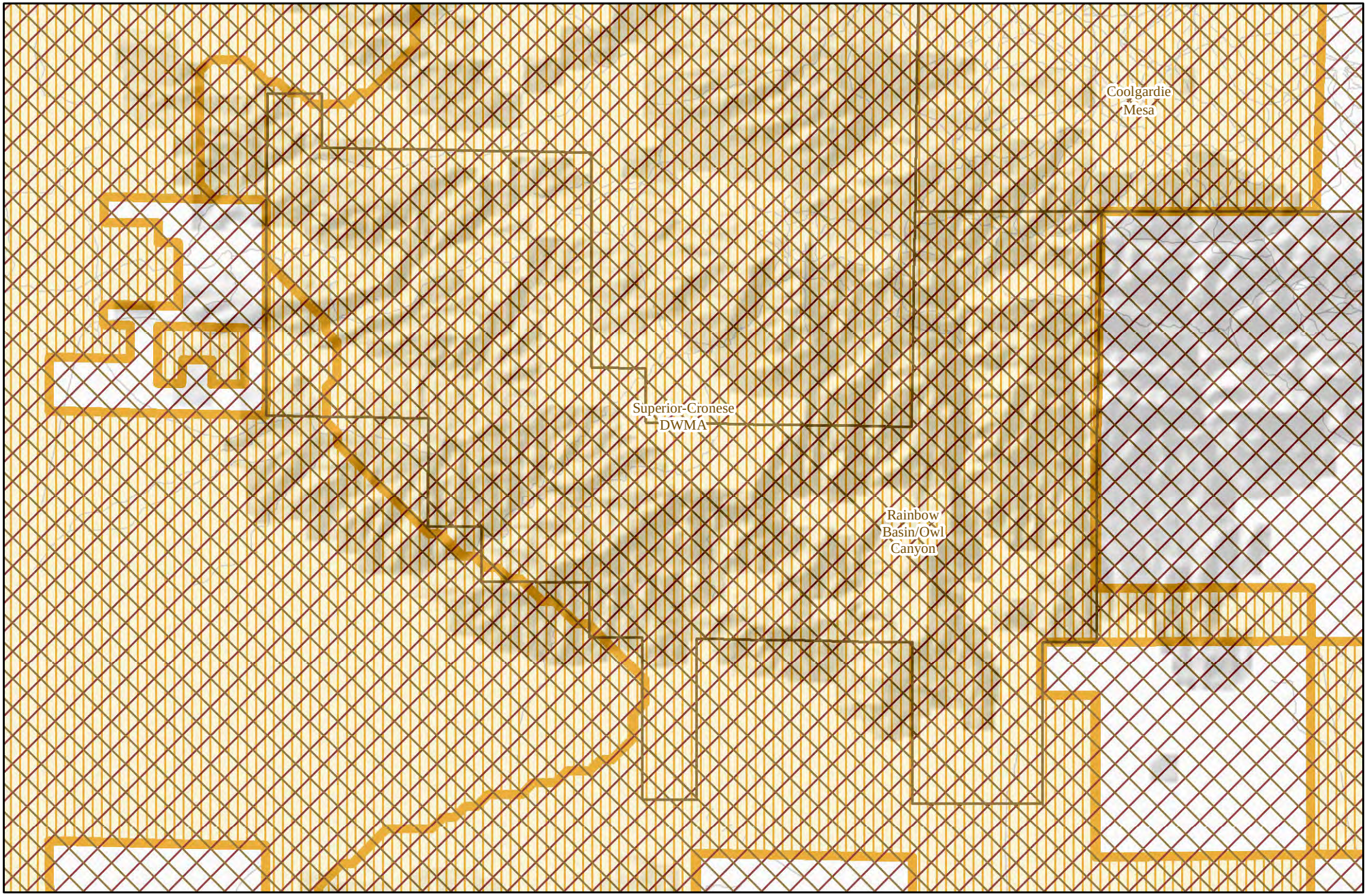


Rainbow Basin/Owl Canyon



0.9 Miles

1 Kilometers

N

Alternative 2 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

- Existing ACEC
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GTLF

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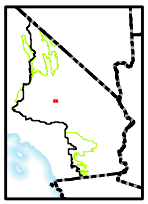
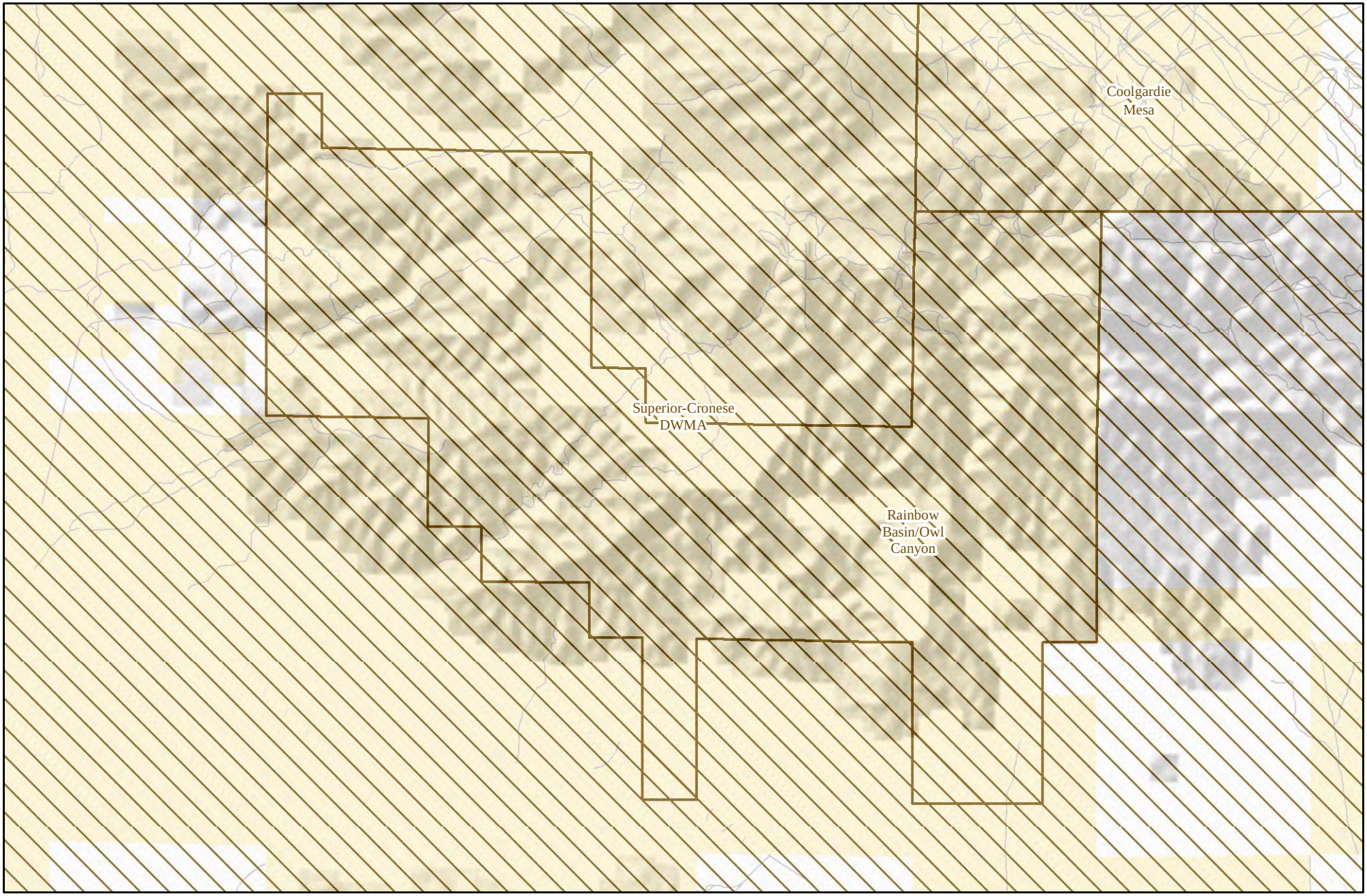


Rainbow Basin/Owl Canyon



0.9 Miles

1 Kilometers

N

Alternative 3 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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GTLF

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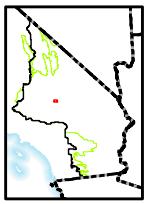
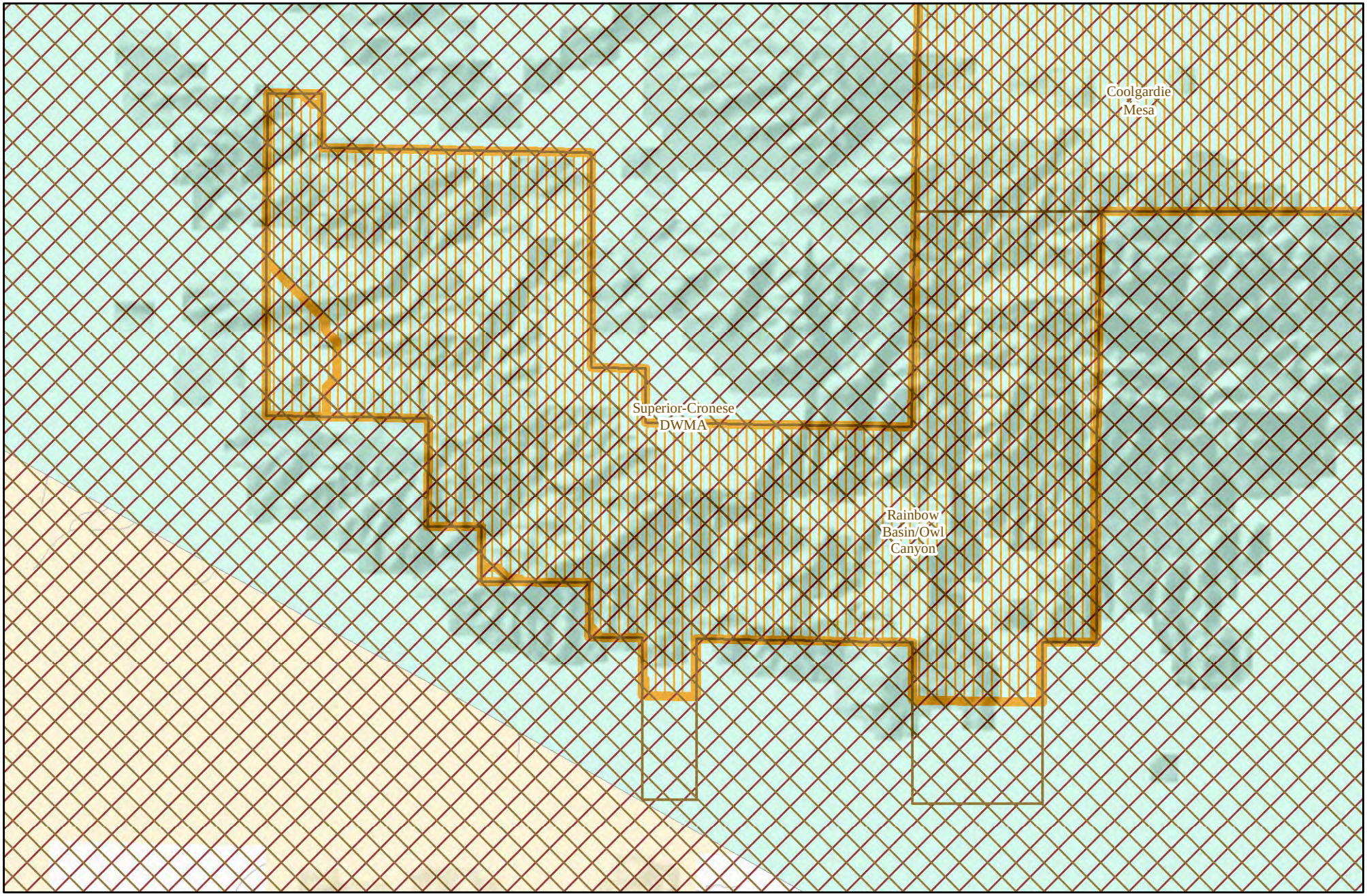
- CA Hwy
- County Hwy



Rainbow Basin/Owl Canyon



0.9 Miles

1 Kilometers

N

Alternative 4 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

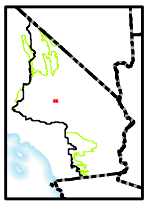
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

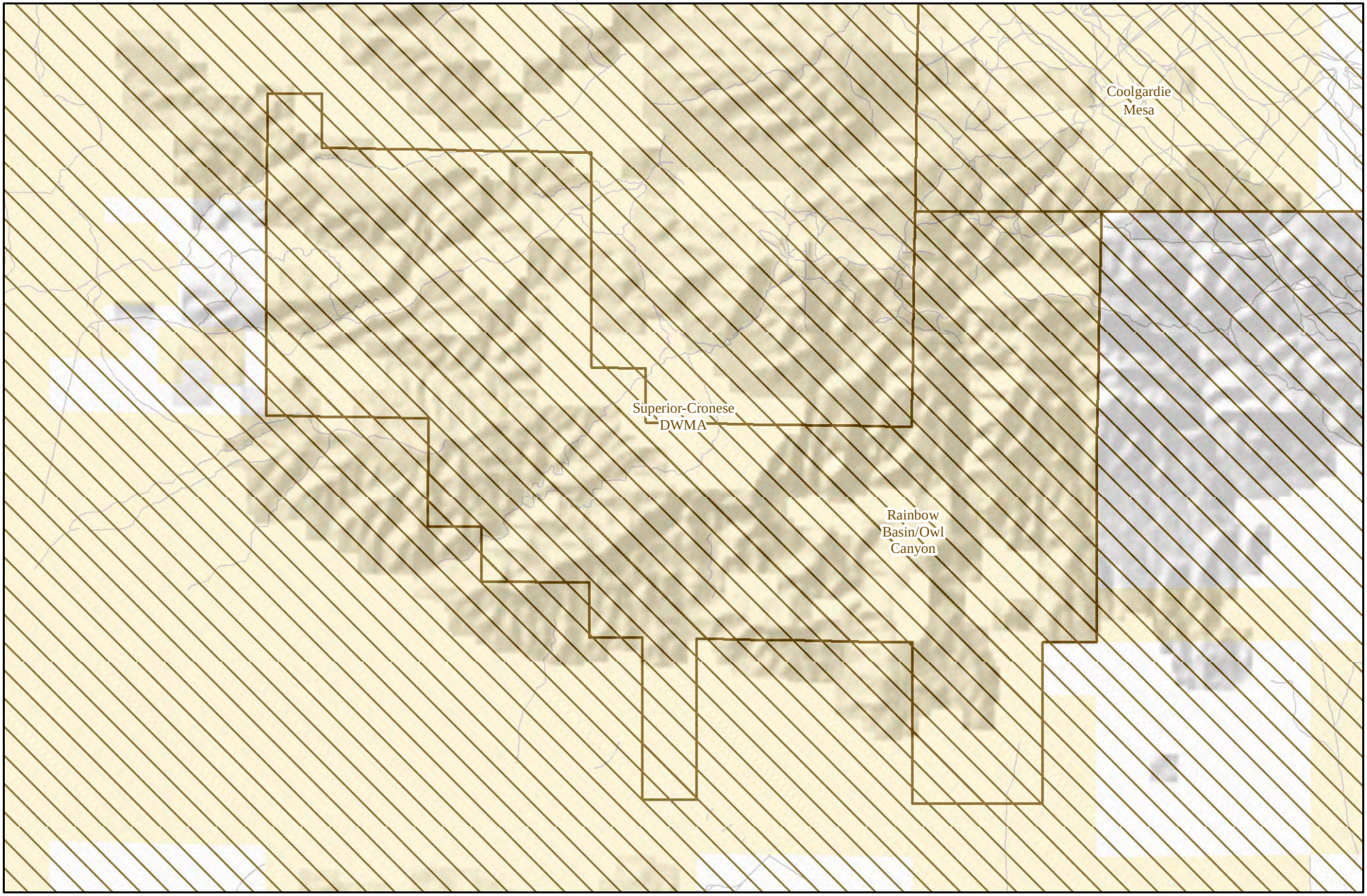
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Rainbow Basin/Owl Canyon



0.9 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
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Land Status

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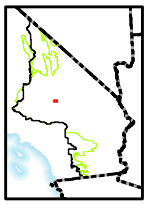


Red Mountain Spring

Description/Location: Located in the northeastern side of Red Mountain in San Bernardino County.

Nationally Significant Values:
Cultural: Originally named "Squaw Spring" in the CDCA Plan, this area was designated for significant prehistoric and historic cultural resource values. Portions of the unit are within the Squaw Spring Archaeological District which is listed in the National Register of Historic Places. It includes 17 recorded prehistoric sites, one recorded historic site, and two multicomponent sites, ranging in date from 500 AD to the late 1800s.

Ecological: This area provides high density Desert Tortoise habitat and encompassed designated desert tortoise critical habitat.

Special Designations/Management Plan/Date: Original ACEC Designation, California Desert Conservation Area Plan, 1980; National Register of Historic Places Listing, 07/1981; Red Mountain Spring ACEC Management Plan 09/30/1987 (CA-06-ACEC-26); West Mojave Plan Amendment Route designation 01/2005

Relevance and Importance Criteria: Relevant biological and cultural resources. This area was designated due to significant prehistoric and historic cultural, and wildlife resources. Portions of the ACEC are within the Squaw Spring Well Archaeological District which is listed in the National Register of Historic Places. It includes 17 recorded prehistoric sites, one recorded historic site, and two sites with both. This area also falls within the Mojave Ground Squirrel Conservation Area and the Fremont-Kramer tortoise DWMA.

Goals: To protect and preserve significant cultural and wildlife 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:

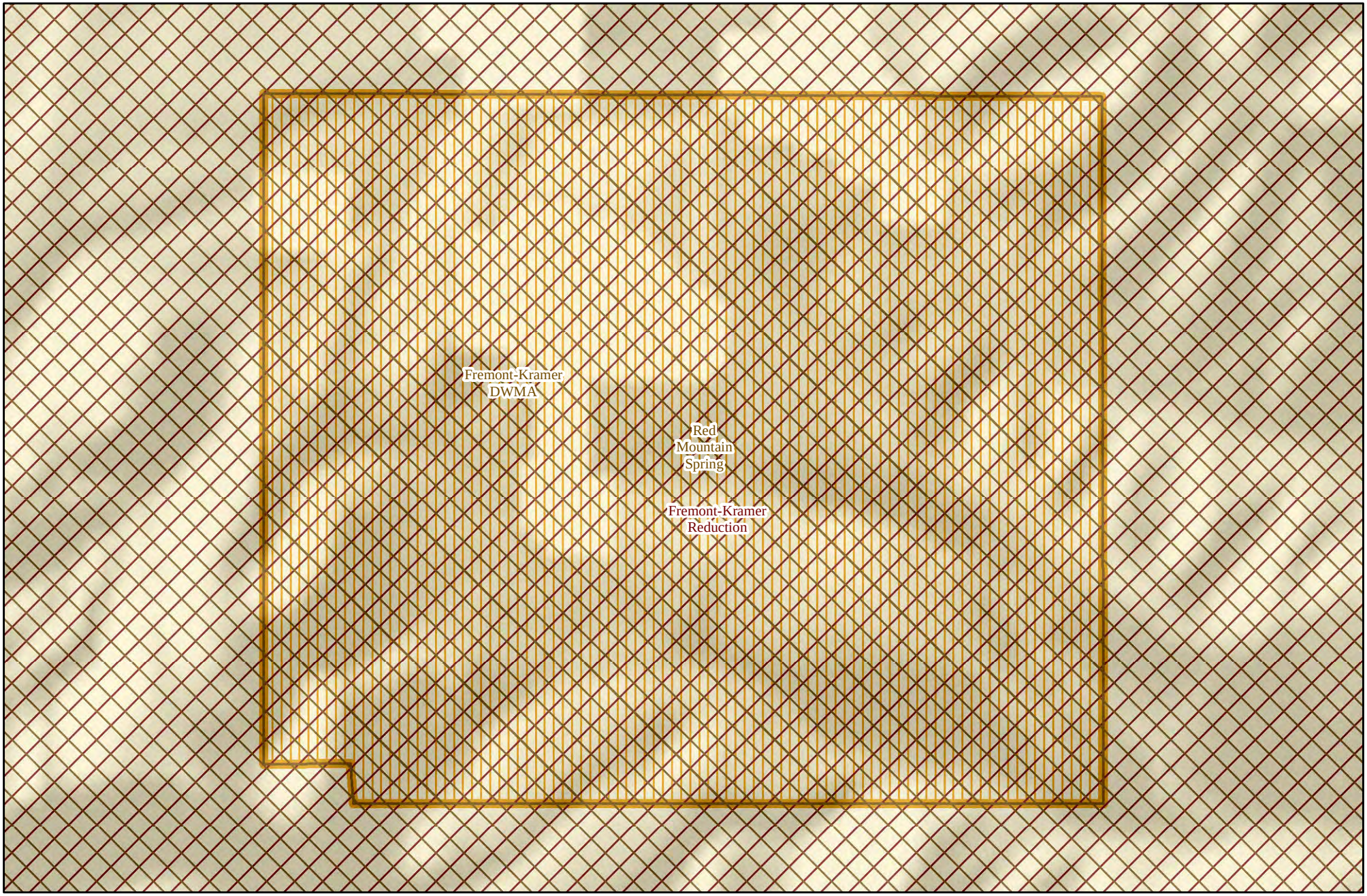
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	700	0	NA
Preferred Alternative	700	700	0	0.5%
1	0	700	0	0.5%
2	700	700	0	0.5%
3	0	700	0	0.5%
4	700	700	0	0.5%

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

Alternatives – No Action – this existing ACEC would continue to be managed as it currently is. All Action Alternatives: This is an existing ACEC. It overlaps the Fremont Kramer Desert Wildlife Management Area. All Action Alternatives would remove this area from the Fremont-Kramer DWMA and remain as the Red Mountain Spring ACEC to resolve the dual designation and assist the Bureau in tracking total number of acres of protected lands.	
Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
A portion of the ACEC was designated Public Water Reserve No. 22	Soil, water, air
Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence: Management Action: Protect other sensitive species: Desert Tortoise (Gopherus agassizii) Federally and State threatened Le Conte's Thrasher *(Toxostoma lecontei)* State Species of Special Concern Loggerhead Shrike (*Lanius ludovicianus)* State Species of Special Concern American Badger (*Taxidea taxus)* State Special Animal Mohave ground squirrel (*Spermophilus mohavensis*) State threatened Townsend's big-eared bat (*Corynorhinus townsendii) BLM sensitive* Pallid bat (*Antrozous pallidus)* BLM sensitive Spotted bat (*Euderma maculatum)* BLM sensitive Western Mastiff bat (*Eumops perotis californicus)* BLM sensitive Golden Eagle (*Aquila chrysaetos*) BLM sensitive, Bald and Golden Eagle P. Act Prairie Falcon (*Falco mexicanus)* USFWS Bird of Conservation Concern Burrowing Owl (*Athene cunicularia*) BLM Sensitive Long-eared owl (*Asio otus*) State Species of Special Concern.	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 archaeological sites Allowable Uses: Limited access for recreation and minimal surface disturbance. Management Action: Close area to vehicle use. Prohibit camping in sensitive resources Withdrawal from mineral entry Adjust ACEC boundary to include all sensitive cultural resources after completing inventory.	Cultural Resources
Objective: Limited vehicle access Allowable uses: Non-mechanized foot and equestrian use allowed. Motorized and non-motorized use prohibited	Trails and Travel Management

Management Action: Maintain barriers to prevent motorized and non-motorized traffic from entering ACEC. Closed to vehicle traffic Install signing, barriers and other structures as determine appropriate to educate the public of proper use ethics for the area.	
Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes Allowable uses: All forms of recreational use are allowed including but not limited to hunting, photography, picnicking, astronomy/ star gazing, nature study and viewing as long as these activities due not degrade the relevant and important values that the ACEC is being established for. Camping is prohibited. Management Action: Increase law enforcement patrol. Install signing, barriers and other structures as determine appropriate to educate the public of proper use ethics for the area.	Recreation
Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria Geothermal: Area is open to geothermal leasing and development where it overlaps with a DFA where geothermal is allowed, with a NSO stipulation. Lies within the Randsburg Known Geothermal Resource Area with the stipulation of no surface occupancy.	Renewable Energy
Withdrawal is recommended. Determine validity of mining claims/withdrawal of mineral exploration and location.	Locatable Minerals Mineral Materials Non-energy Leaseables

Red Mountain Spring



0.25 Miles

0.35 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
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- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
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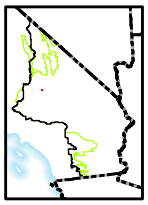
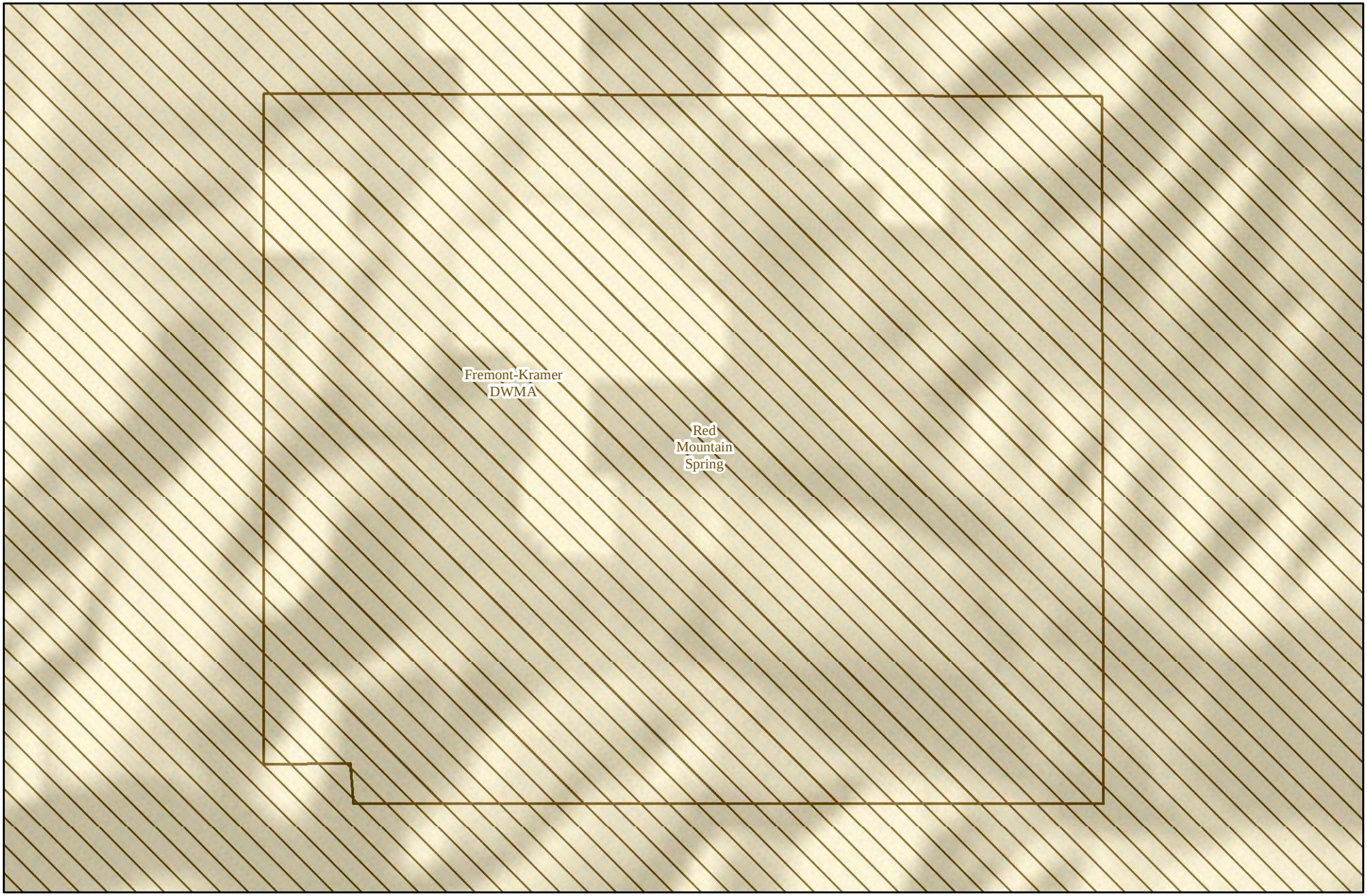
- CA Hwy
- County Hwy



Red Mountain Spring



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0.35 Kilometers

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Alternative 1 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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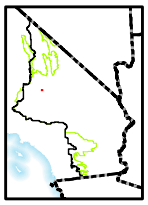

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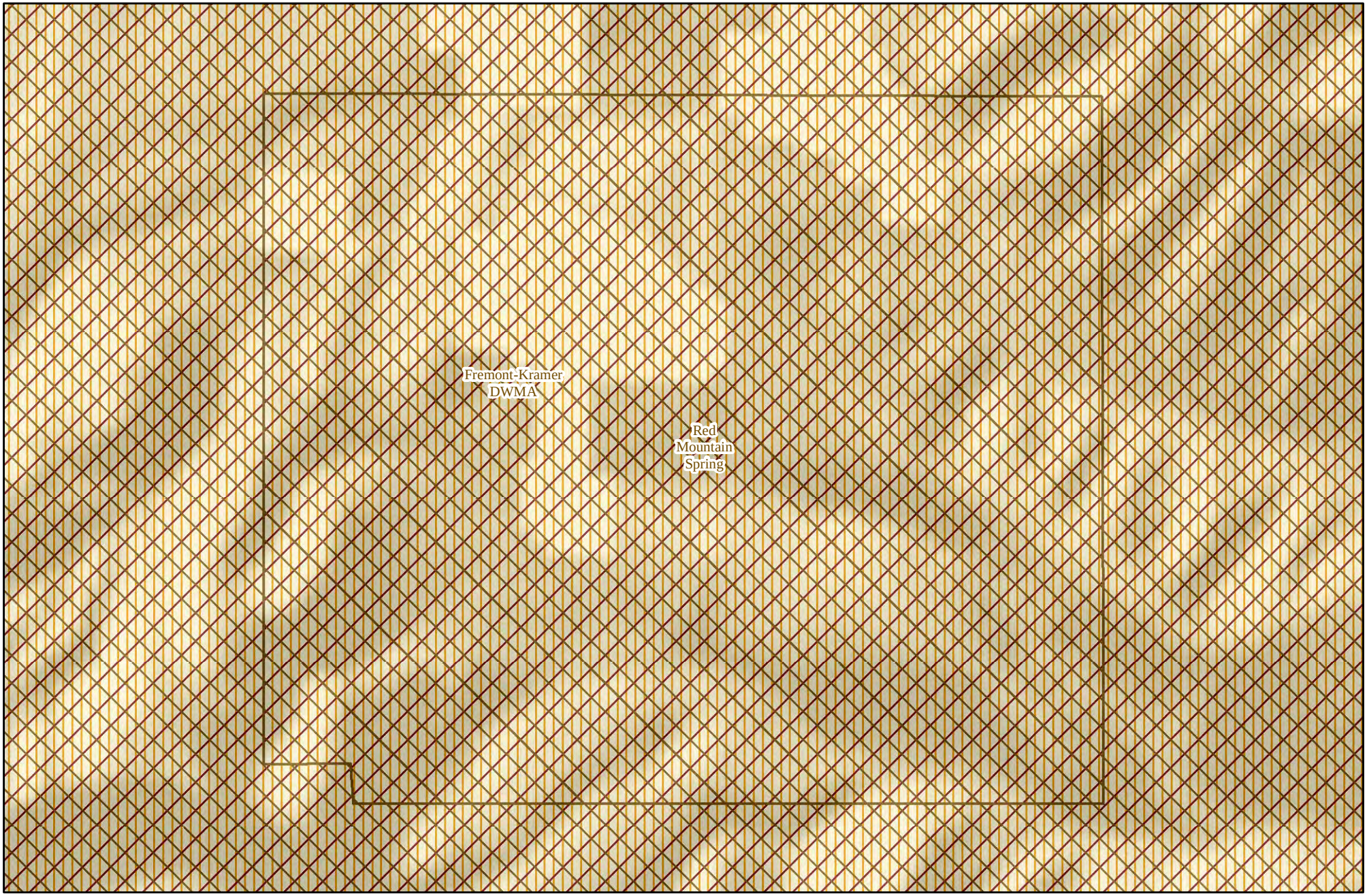

0.25 Miles

0.35 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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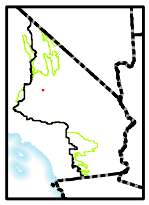
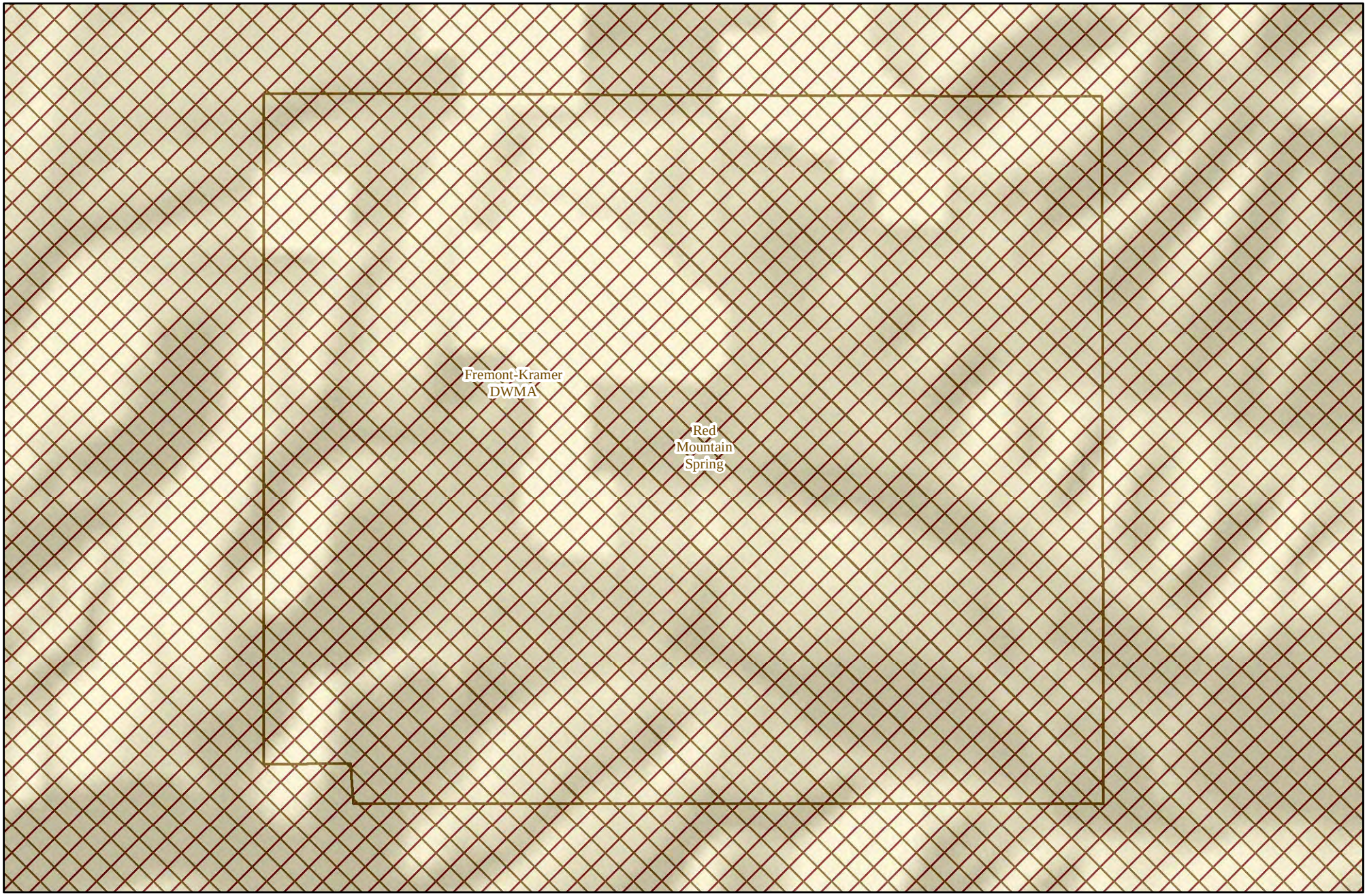


Red Mountain Spring



0.25 Miles

0.35 Kilometers

N

Alternative 3 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

- Existing ACEC
- Proposed ACEC
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- Design Focus Areas
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Land Status

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GTLF

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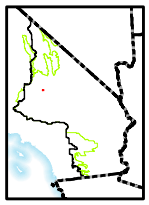
- County Hwy



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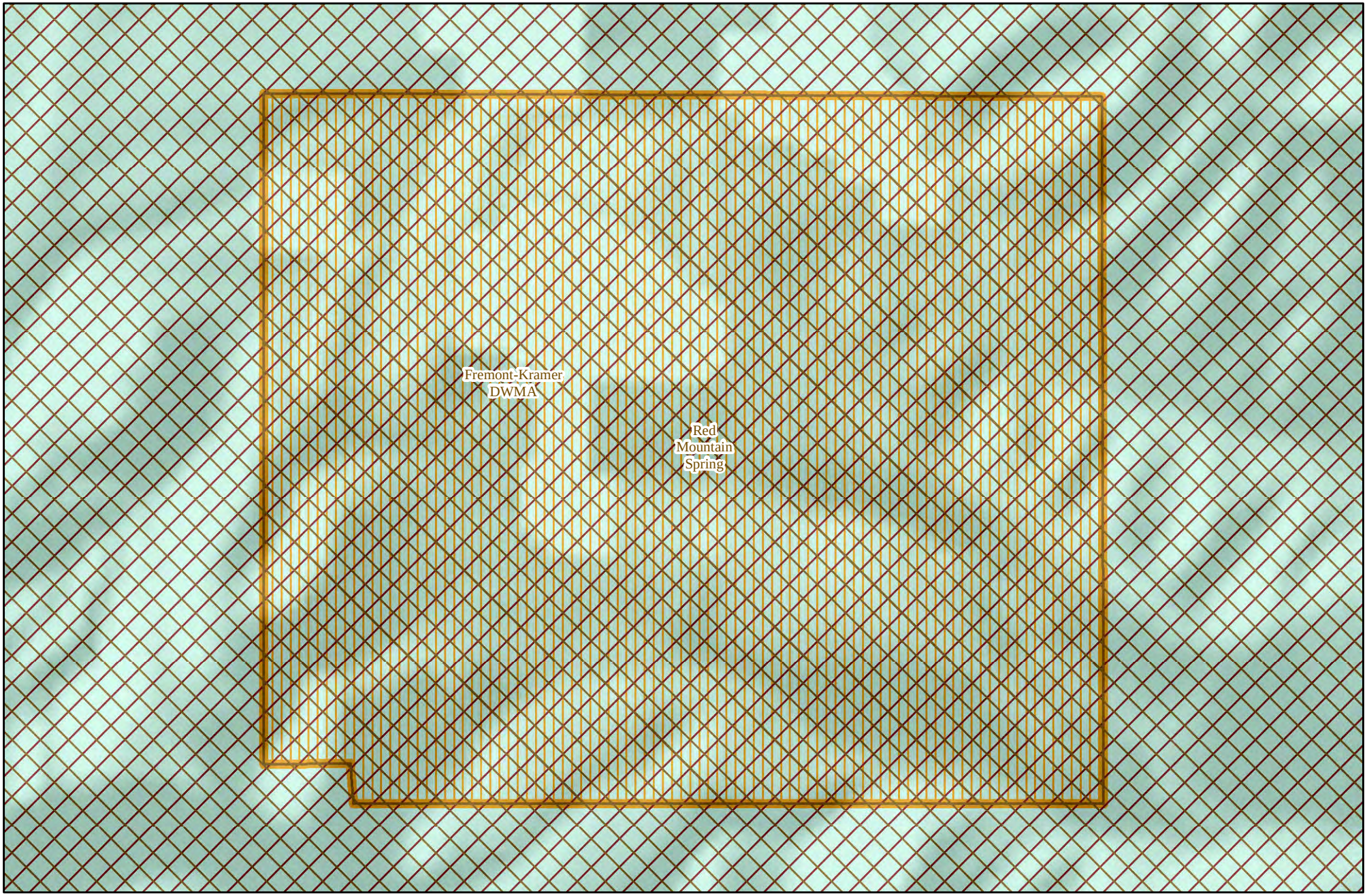

0.25 Miles

0.35 Kilometers

N

Alternative 4 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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- Proposed ACEC
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- Design Focus Areas
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Land Status

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GTLF

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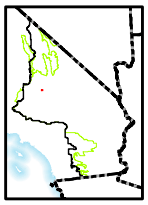
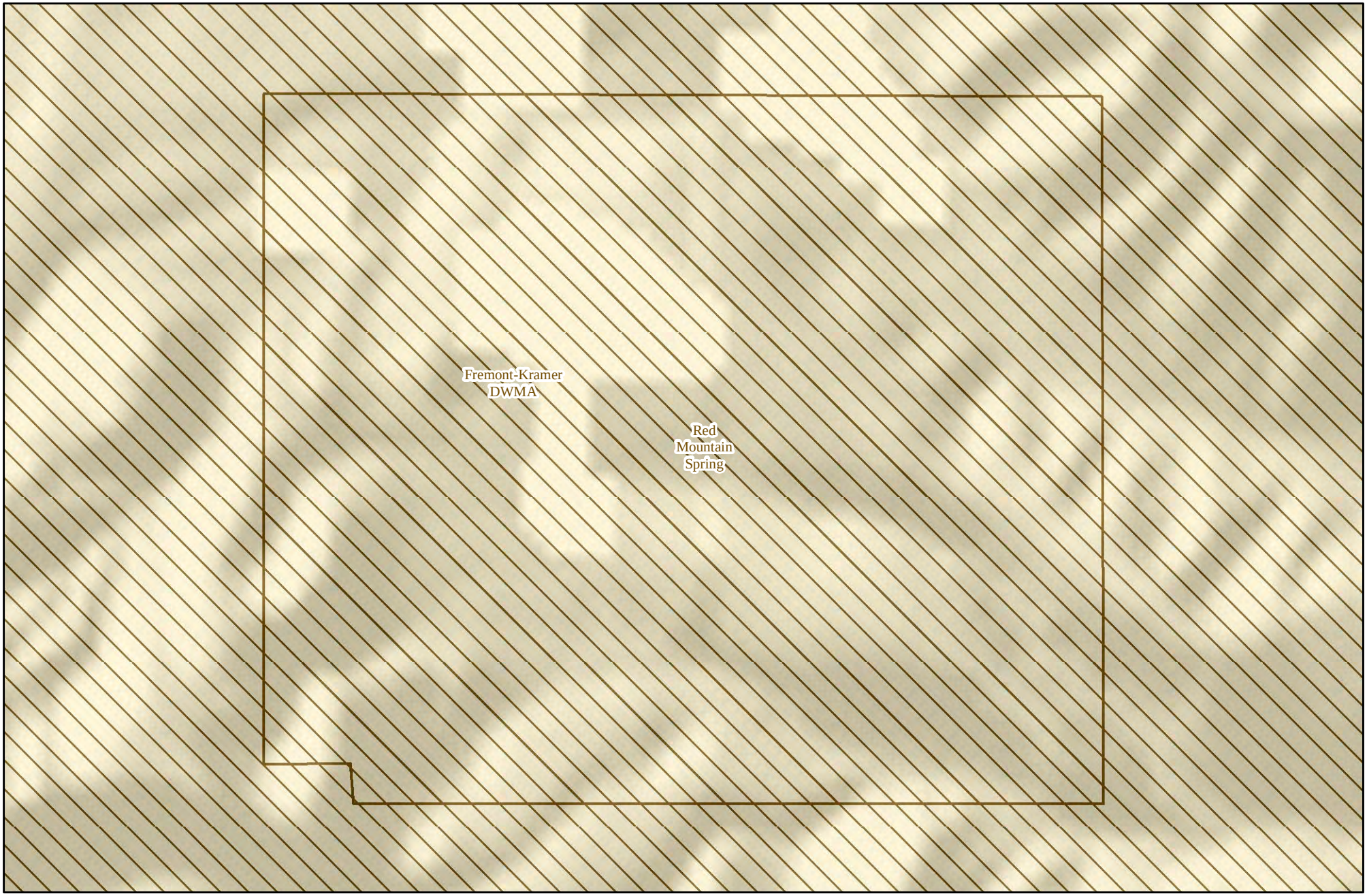


Red Mountain Spring



0.25 Miles

0.35 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
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Land Status

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GTLF

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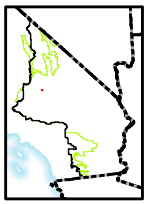


Salt Creek Hills

Description/Location: This unit is located in northeastern San Bernardino County, 29 miles north of Baker, CA.

Nationally Significant Values:
Cultural: This unit includes a mining district and other sites that meet the criteria for inclusion in the National Register of Historic Places. Salt Creek is within the corridor of the Congressionally designated Old Spanish Trail corridor. Salt Creek itself is described in several historic accounts of travel through this portion of the Mojave Desert. Salt Creek was along the Mormon Trail which is important to the western expansion of the United States. Salt Creek was the first known Mormon mining operation in California.

Special Designations/Management Plan/Date: Management Plan for Salt Creek Hills ACEC, dated 5/17/1982. Updated in WEMO.

Relevance and Importance Criteria: Relevant cultural resources. The Management Plan for the Salt Creek Hills ACEC has been prepared to provide specific guidance for protecting riparian vegetation present along a desert stream and for preserving a variety of historic and prehistoric cultural sites and artifacts also located here. Riparian vegetation is a rare and unique habitat within the Mojave Desert and an important source of food, shelter, and nesting space for birds. The presence of standing water and game served to attract Native Americans to the vicinity, as evidenced by the relative abundance of artifacts and sites known to occur in the ACEC. One hundred additional acres were added to the ACEC in section 19, T18N, R7E, SBM, to protect an old adobe structure and several mines and mine shafts, remnants of gold mining activity during the last century.

Goals: The management objective for the Salt Creek ACEC is to maintain sensitive riparian wildlife habitat and to protect a variety of cultural sites present on federal lands along Salt Creek.

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

Designation and Acreage by Alternative:

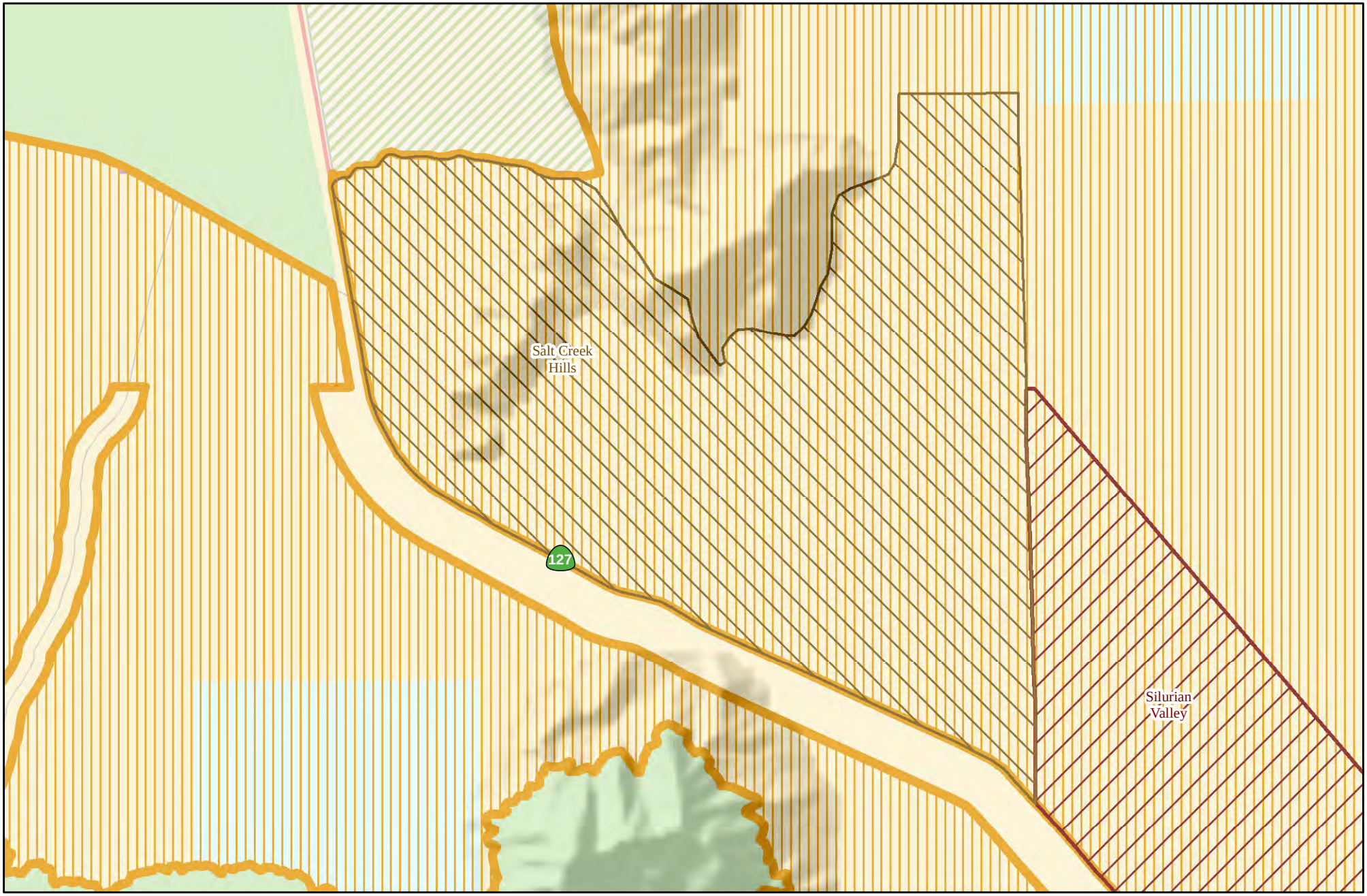
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	2,200	0	NA
Preferred Alternative	2,200	2,200	0	1%
1	2,200	2,200	0	1%
2	2,200	2,200	0	1%
3	0	2,200	0	1%
4	2,200	2,200	0	1%

*** 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: Provide for increased stability of riparian vegetation through increased protection of area water reserves Management Action: Identify the water source for Salt Creek as a Public Water Reserve withdrawn under Public Water Reserve Order 107 to prohibit groundwater pumping	Soil, water, air
Objective: Provide for increased protection of sensitive plant species Management Action: Initiate periodic surveys of the ACEC to locate sensitive plant populations and if any are located, take necessary precautionary measures deemed appropriate by a botanist to assure continued survival	Vegetation - Including special status species
Objective: Improve the quality of riparian vegetation by gradually replacing highly competitive exotic species such as Tamarisk with native homey mesquite and non-native cottonwoods Management Action 1: Selectively prune and remove tamarisk around honey mesquite to encourage additional growth of established plants and to encourage germination and establishment of mesquite seedlings Management Action 2: Experimentally attempt to establish cottonwoods through planting of seedlings along the creek bank to increase habitat heterogeneity and to provide for additional bird species cover and nesting space Objective: Protect bat breeding sites Management Action: Conduct surveys of all mine features for bats prior to closure, use soft closure methods (bat gates) where appropriate	Fish and Wildlife Including special status species
See programmatic ACEC cultural resources objective and action items in general cultural resources rules.	Cultural Resources
Objective: Prevent loss of habitat, disturbance to wildlife rom motorized vehicle use and camping Management Action: Signs will be posted at the following locations within the ACEC restricting vehicle use and camping: 1) SW1/4NW1/4, Sec. 24,T. 18N., R.6E.; 2) SE1/4NW1/4, Sec. 30,T.18N., R.7E; 3) MW1/4NW1/4, Sec. 32, T.18N., R.7E. Additional signs will be placed as needed to provide for increased public awareness of vehicle and camping restrictions. A road barrier will be placed across a route in the SW1/4,NW1/4 of Section 30, T. 18N., R.7E. This will consist of a rock barricade constructed by placement of local boulders in such a manner as to prevent further vehicle access. A barricade at this location should discourage camping use under a large salt cedar along Salt Creek. In addition to these measures, ranger patrols will be used to monitor compliance, enforce regulations, and provide for increased public contact.	Trails and Travel Management
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: Provide additional safety information to reduce the potential for accidents at abandoned mine shafts and tunnels Management Action: Post signs warning visitors of potential dangers near mine	Recreation

tunnels and shafts within the ACEC. In certain cases, fencing may also be appropriate. Management Action: Old fire-rings and litter will be removed from current camping sites to discourage continued use. Objective: Prevent loss of habitat, disturbance to wildlife from motorized vehicle use and camping Management Action: Old fire-rings and litter will be removed from current camping sites to discourage continued use.	
Right of way avoidance area	Rights of Way (ROW)
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

Salt Creek Hills



0.65 Miles

0.9 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

- Existing ACEC
- Proposed ACEC
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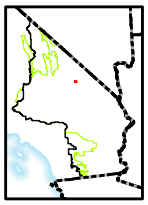
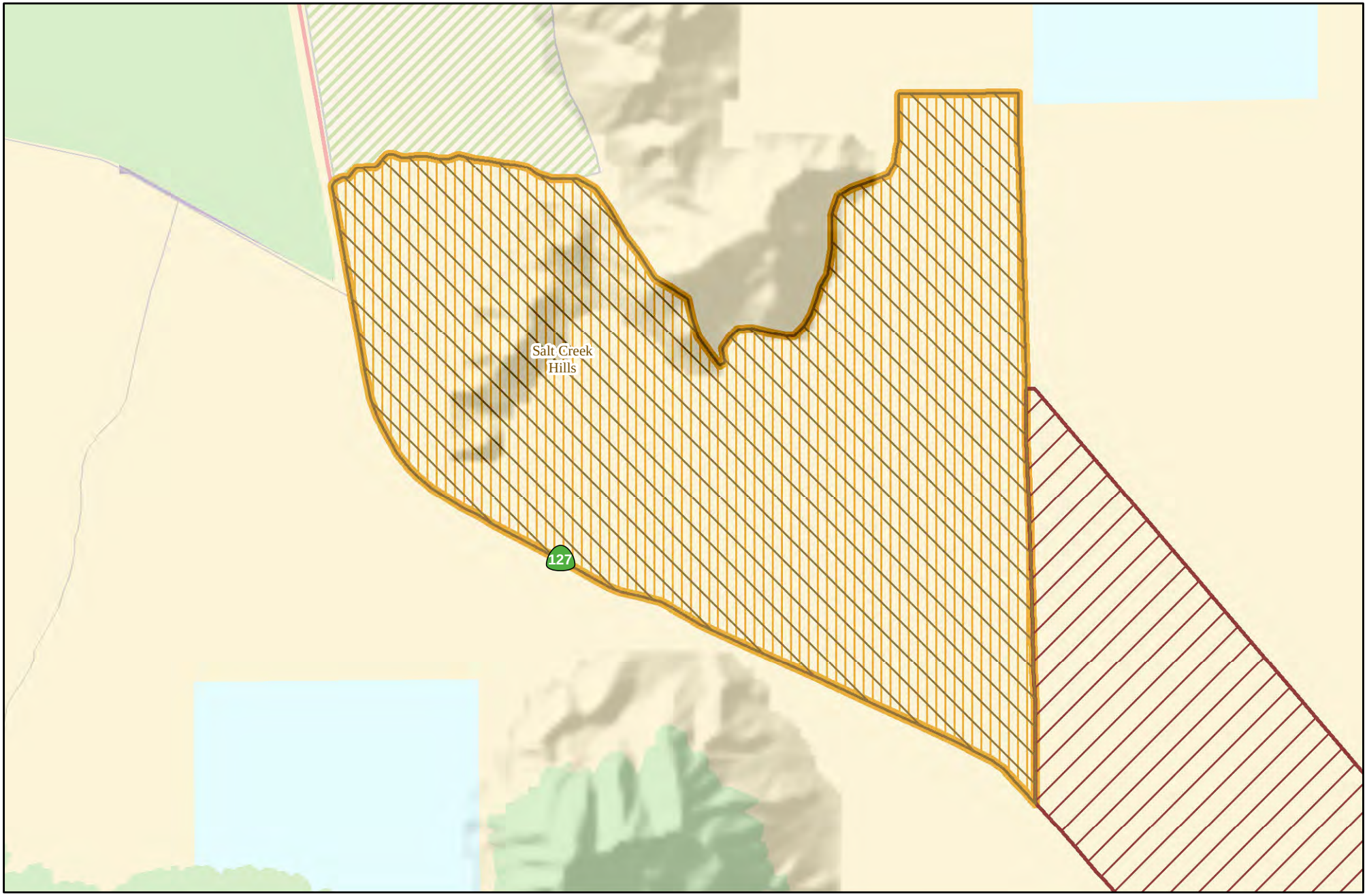


Salt Creek Hills



0.65 Miles

0.9 Kilometers

N

Alternative 1 ACECs

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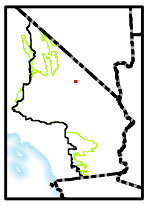

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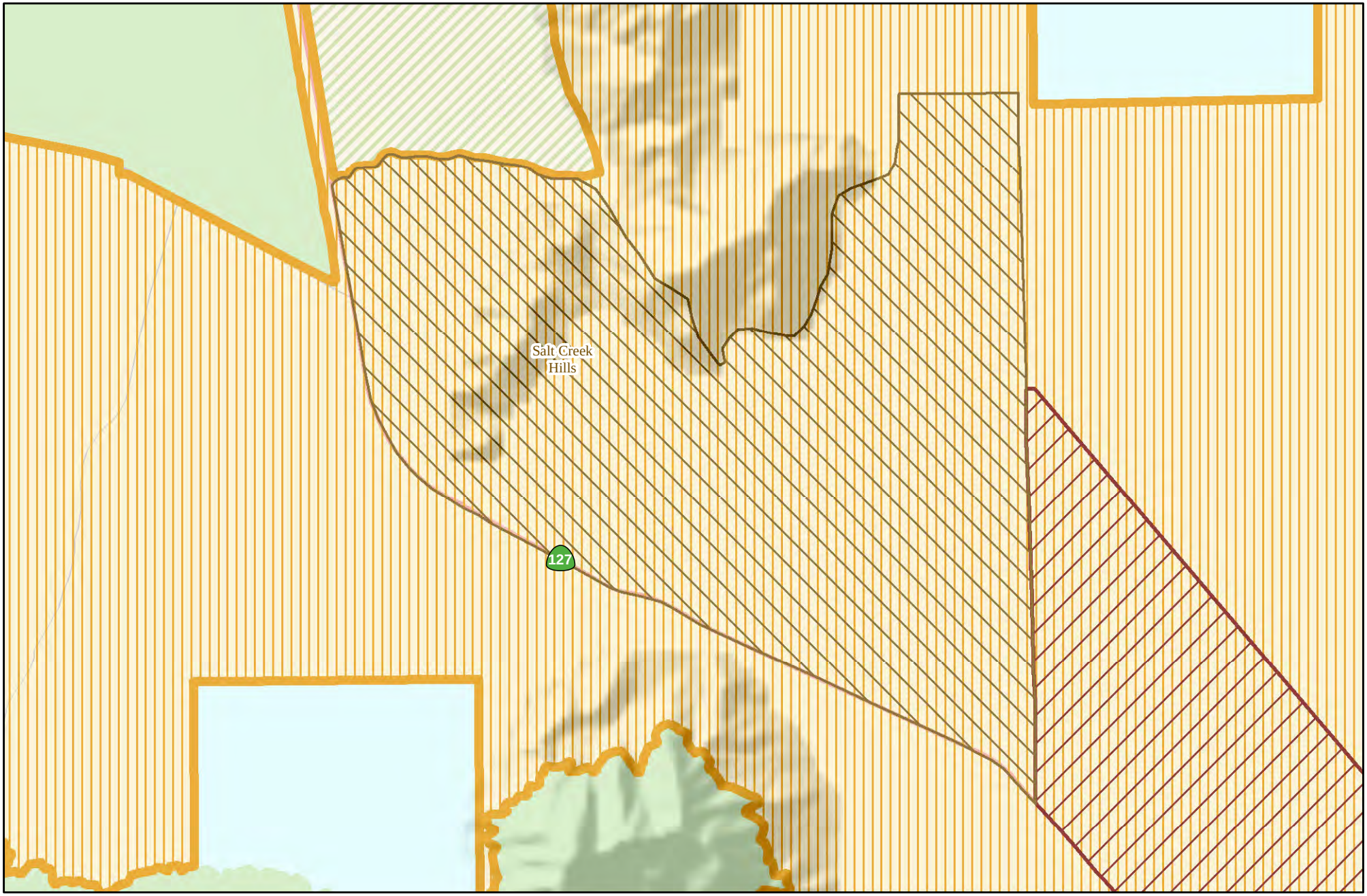

0.65 Miles

0.9 Kilometers

N

Alternative 2 ACECs

Date Printed: 5/29/2013

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ACEC Layers

- Existing ACEC
- Proposed ACEC
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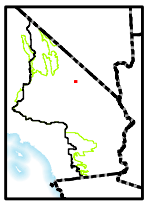
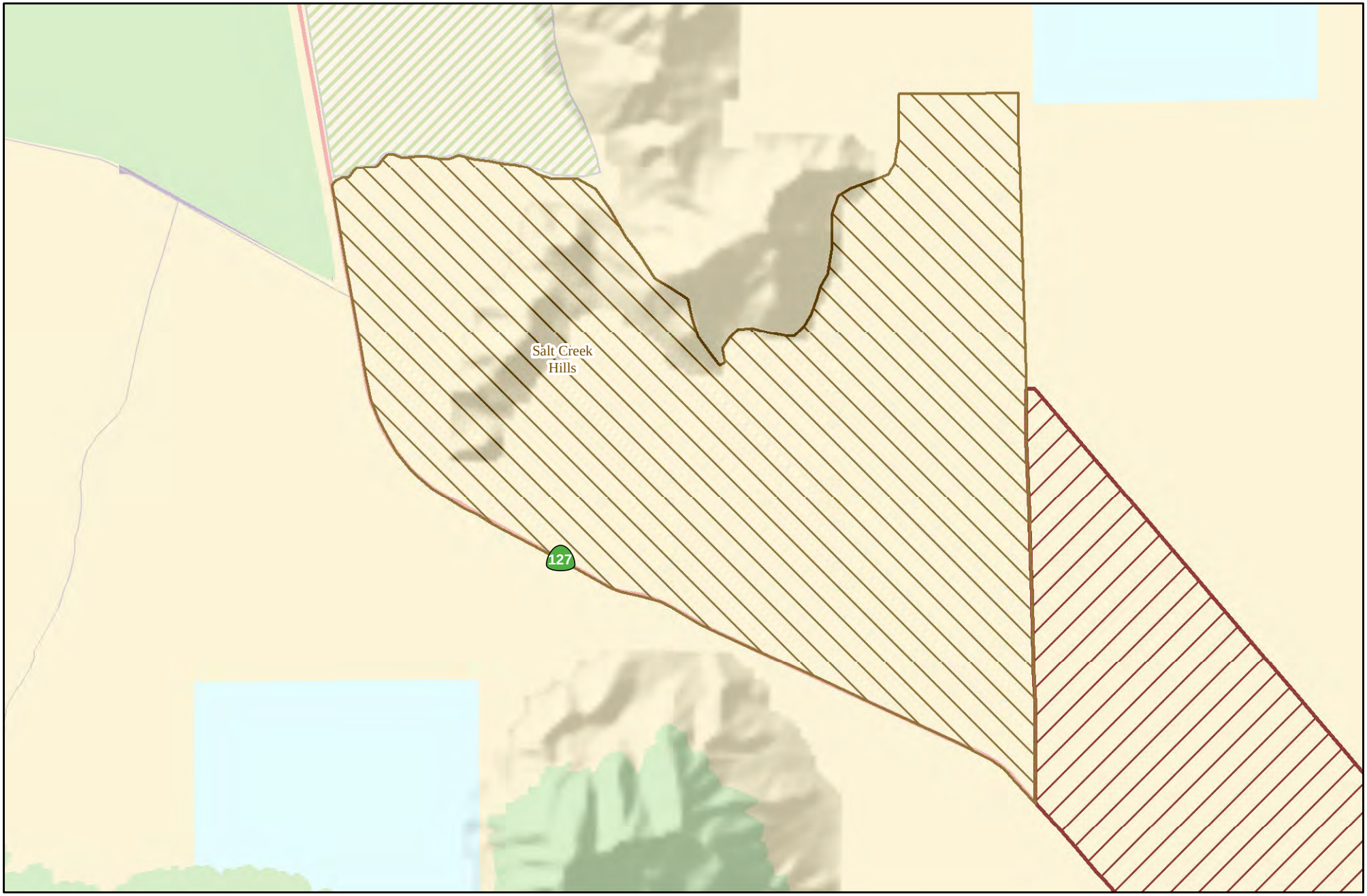


Salt Creek Hills



0.65 Miles

0.9 Kilometers

N

Alternative 3 ACECs

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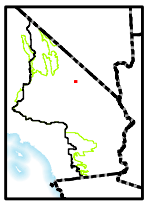
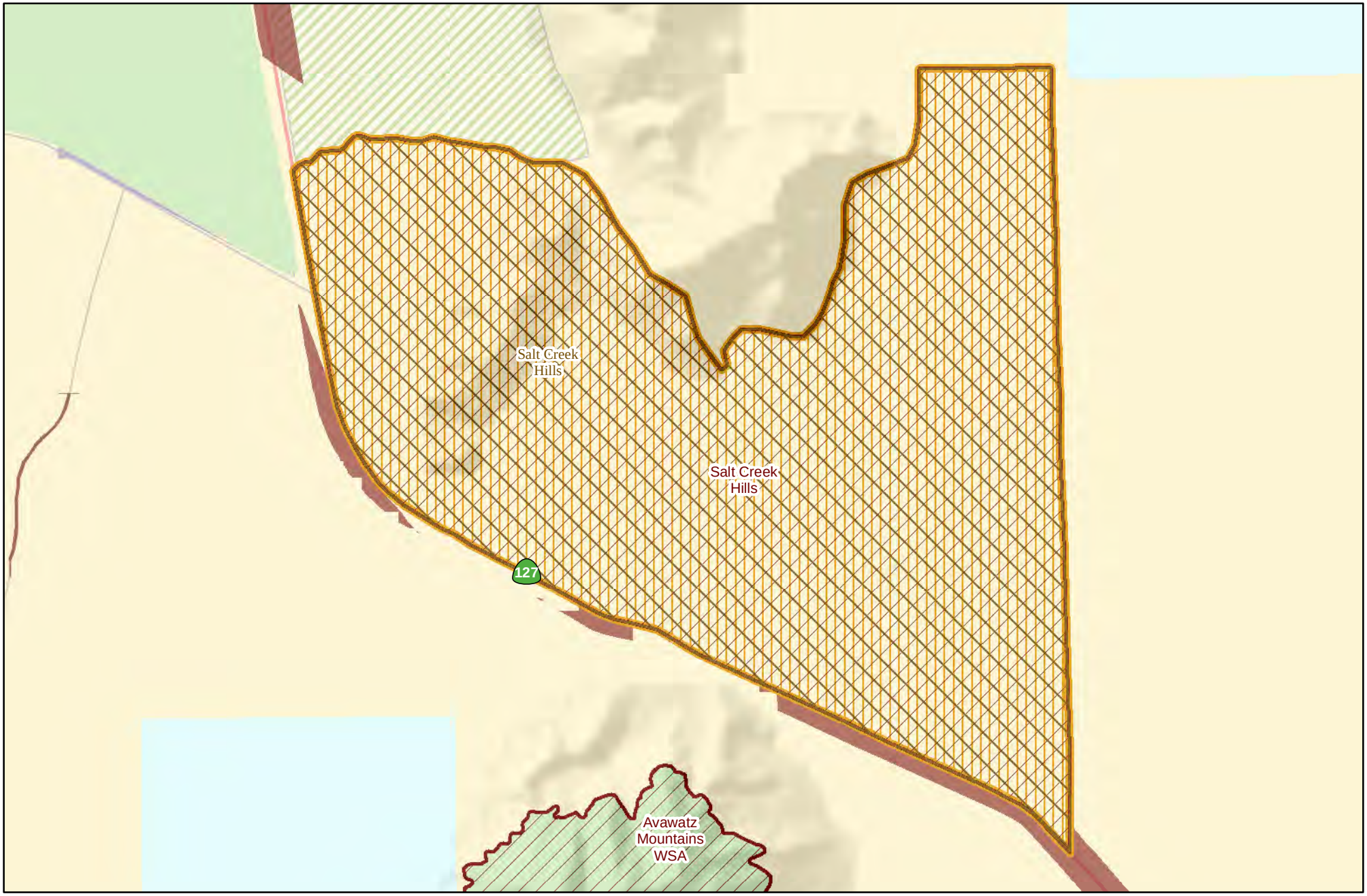


Salt Creek Hills



0.6 Miles

0.8 Kilometers

N

Alternative 4 ACECs

Date Printed: 8/6/2014

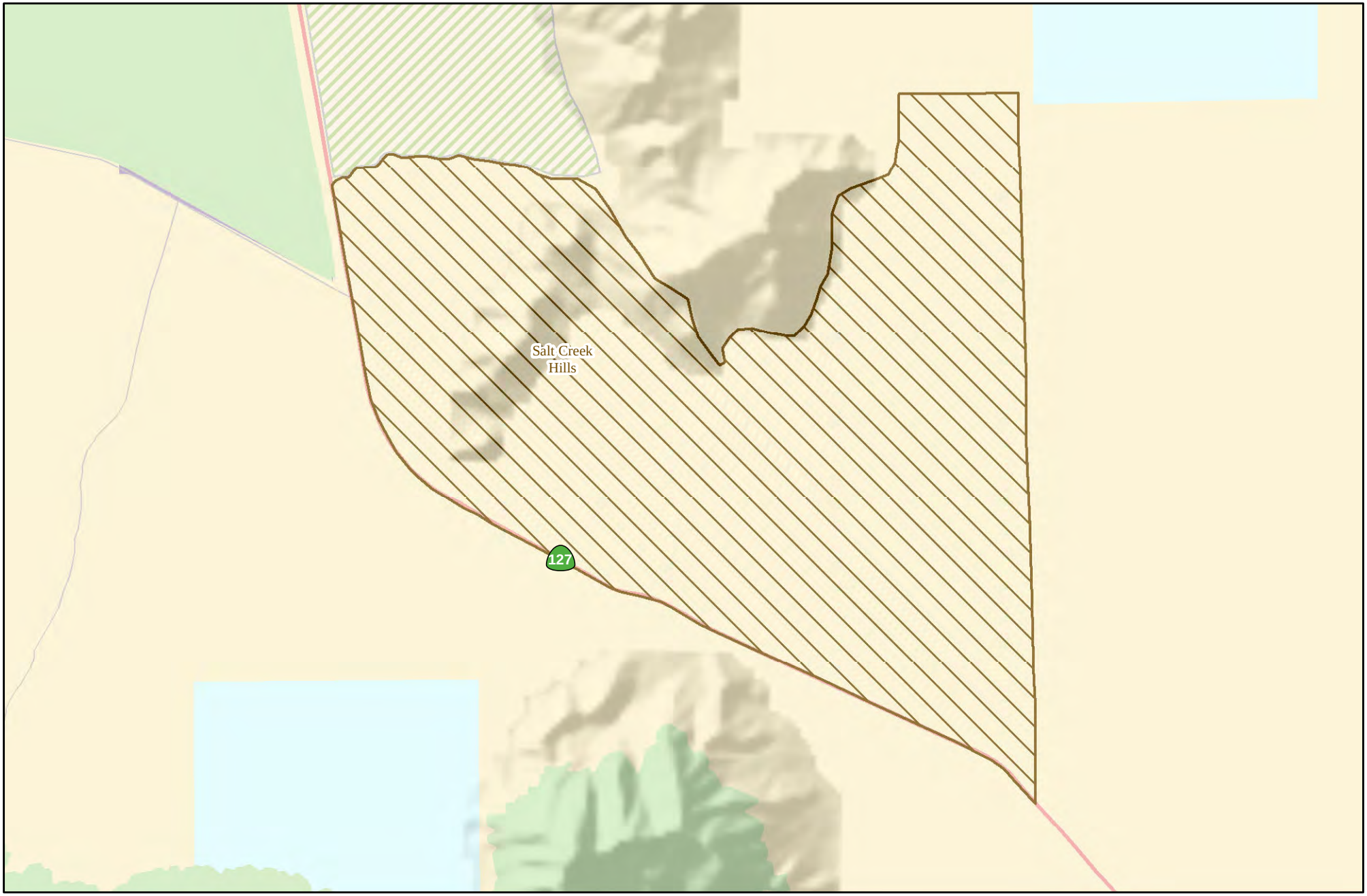
Prepared by BLM California State Office

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

Salt Creek Hills



0.65 Miles

0.9 Kilometers

N

No Action ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

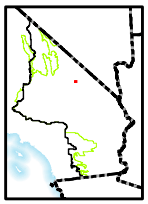
- Existing ACEC
- OHV Areas
- Legislatively and Legally Protected
- Cities
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Steam Well

Description/Location: Located at the south end of the Lava Mountains in San Bernardino County, approximately 5.5 miles east/northeast of Johannesburg. The ACEC lies within the Golden Valley Wilderness in San Bernardino County

Nationally Significant Values:
Cultural: The Steam Well Petroglyph Site has been listed on the National Register of Historic Places. Rock art sites are not often identified in this portion of the Mojave Desert; the scientific potential may consist of research into the ways prehistoric and ethnohistoric Native American people moved through the landscape through time.

Special Designations/Management Plan/Date: Original ACEC Designation, CDCA Plan 1980; Steam Well ACEC Management Plan 09/1982 (CA-06-ACEC-25); West Mojave Plan added Mohave Ground Squirrel Conservation Area 01/2005 (D.1.24)

Relevance and Importance Criteria: This area was designated for significant prehistoric cultural resources. The area consists of three petroglyph sites that have been listed on the National Register of Historic Places as the Steam Well Petroglyph Site. Approximately 250 rock art elements have been identified, including those identified as curvilinear and rectilinear Great Basin Pecked style, early Coso Style sheep elements, and various other design elements of the Mojave Desert. Prehistoric artifacts associated with habitation have also been identified around the petroglyphs. This proposed ACEC is also within the Mohave Ground Squirrel Conservation Area and is excellent habitat for this and other BLM special status species.

Goals: Protect environmental and cultural resources while providing for other resource 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:

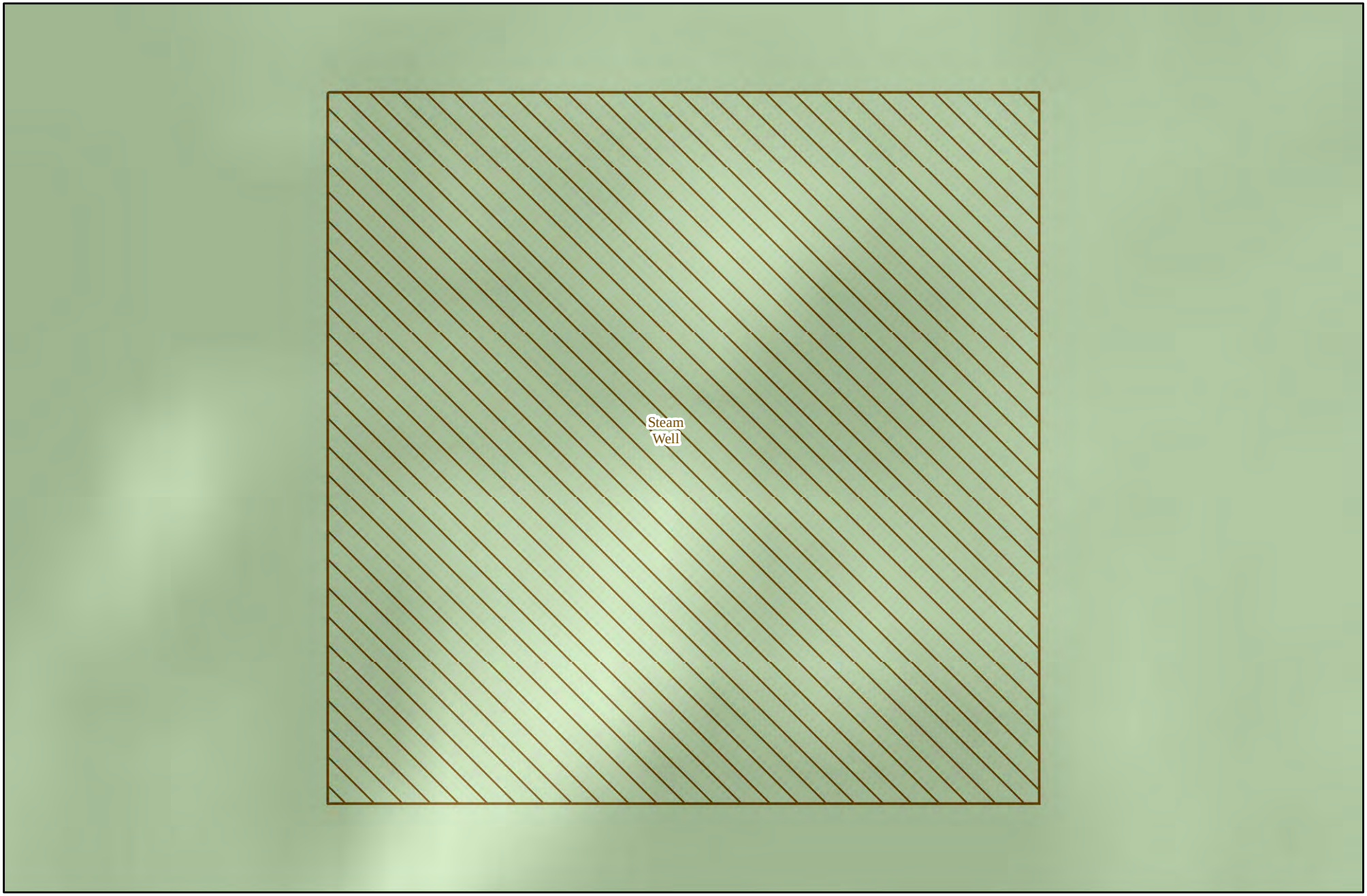
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	100	0	NA
Preferred Alternative	0	100	0	1%
1	0	100	0	1%
2	100**	100	0	1%
3	0	100	0	1%
4	0	100	0	1%

*** 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: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence: Management Actions: Restore habitat as needed for Mohave ground squirrel American Badger (Taxidea taxus) State Special Animal Desert Tortoise (Gopherus agassizii) Federally and State threatened BLM sensitive Golden Eagle (*Aquila chrysaetos*) BLM sensitive, Bald and Golden Eagle P. Act Prairie Falcon (*Falco mexicanus)* USFWS Bird of Conservation Concern Burrowing Owl (*Athene cunicularia*) BLM Sensitive Le Conte's Thrasher *(Toxostoma lecontei)* State Species of Special Concern Loggerhead Shrike (*Lanius ludovicianus)* State Species of Special Concern	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 the Steam Well Petroglyphs Site. Management Action: Map and inventory petroglyphs and cultural resources. Fence off petroglyphs only as needed. Objective: Educate the public regarding cultural resources. Management Action: Develop interpretive program. Post and maintain interpretive signs Objective: Maintain visual integrity of the ACEC. Management Action: Minimize routes through the ACEC with the minimal use of fencing as needed.	Cultural Resources
Objective: Limit vehicles to open designated routes and prevent user-created routes from developing. Allowable Uses: Non-mechanized travel; i.e. Hiking and equestrian trail Management Actions: Sign designated routes routinely Restore undesignated motorcycle routes Maintain hiking trail	Trails and Travel Management
Objective: Provide dispersed recreational opportunities that are compatible with protection of ACEC values.	Recreation

Allowable uses: All forms of recreational use are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/ star gazing, nature study and viewing as long as these activities due not degrade the relevant and important values that the ACEC is being established for. Action: Sign and fence off safety hazards – mine shaft and two abandoned wells Management Action: Interpretive signs should be installed and maintained. Law enforcement should regularly patrol the area.	
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
Seven mining claims	Locatable Minerals Mineral Materials Non-energy Leaseables

Steam Well



0.065 Miles

0.095 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

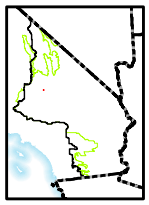
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

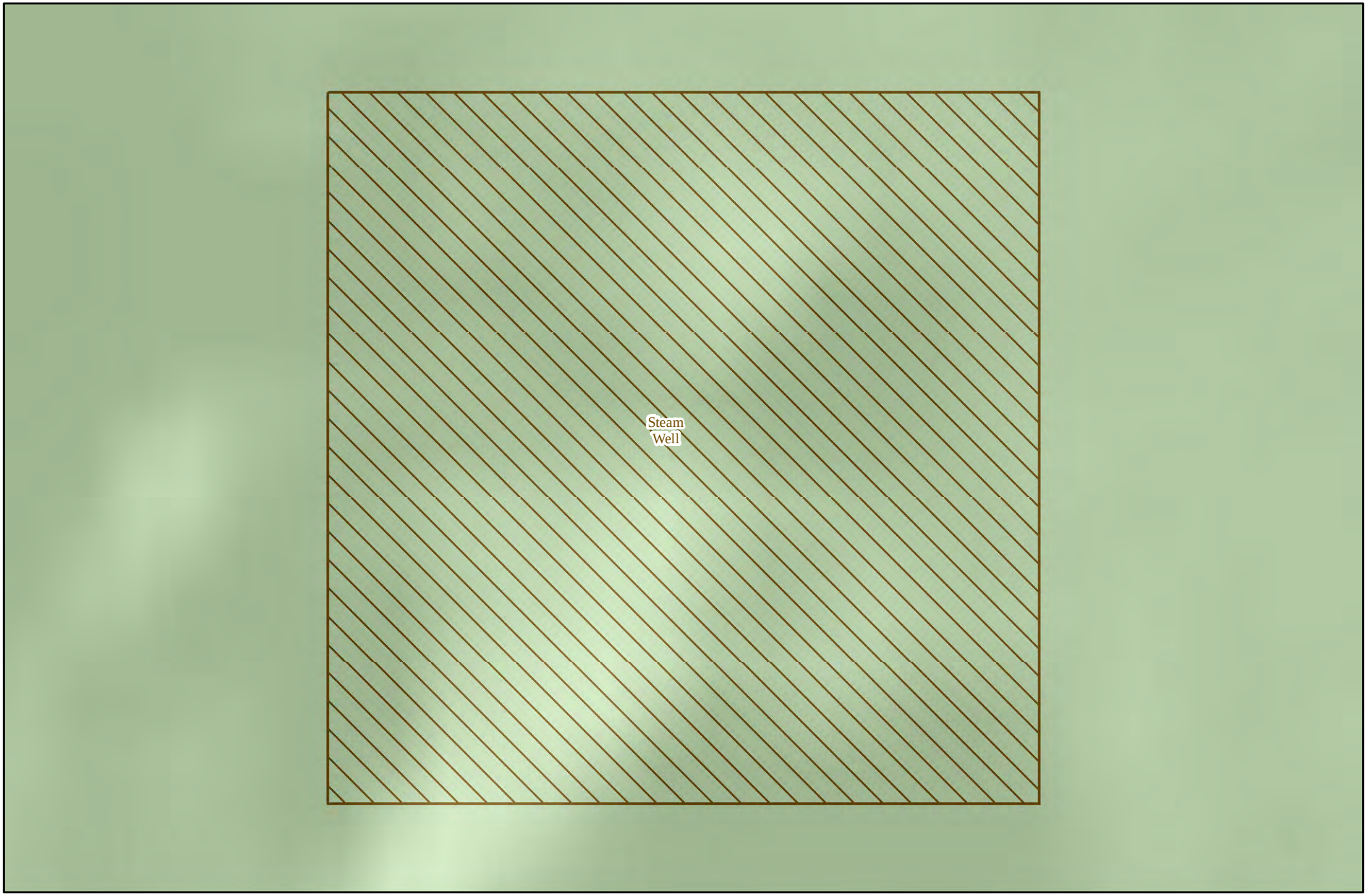
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



Steam Well



0.065 Miles

0.095 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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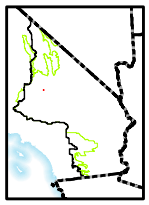
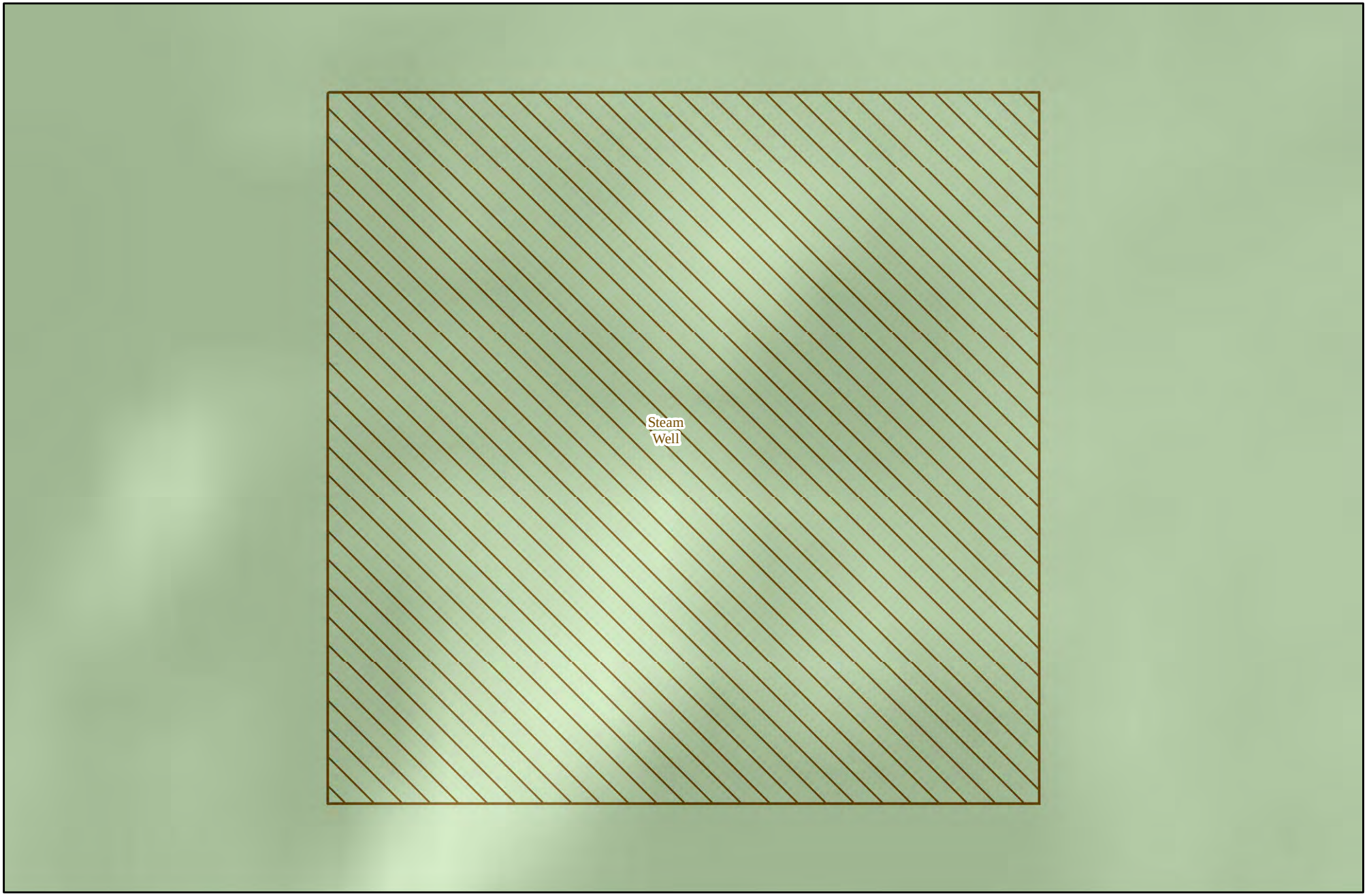


Steam Well



0.065 Miles

0.095 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
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Land Status

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GTLF

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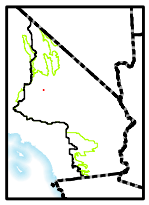
- CA Hwy
- County Hwy



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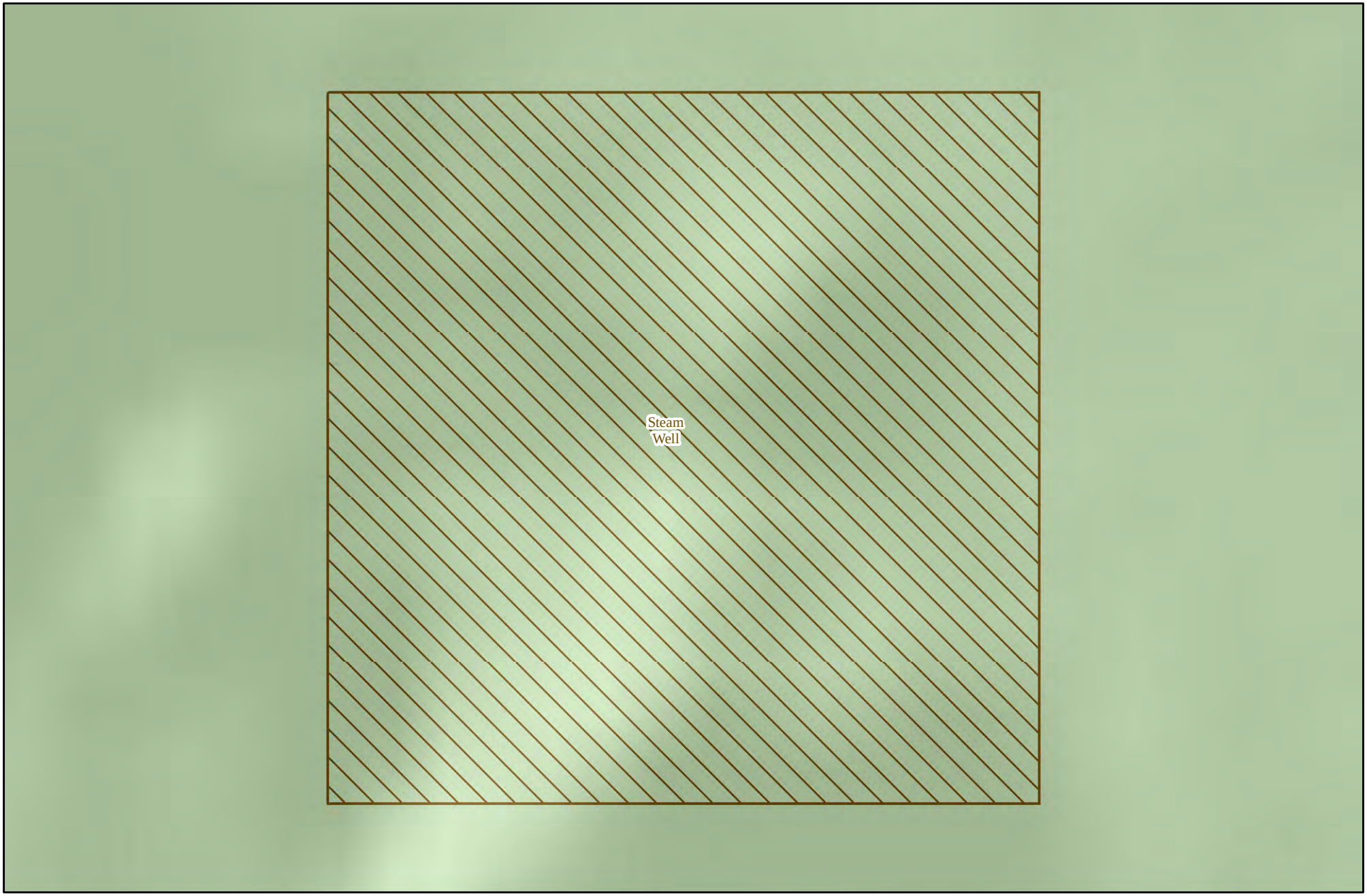


0.065 Miles

0.095 Kilometers

N

Alternative 3 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

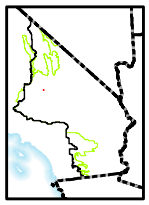
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



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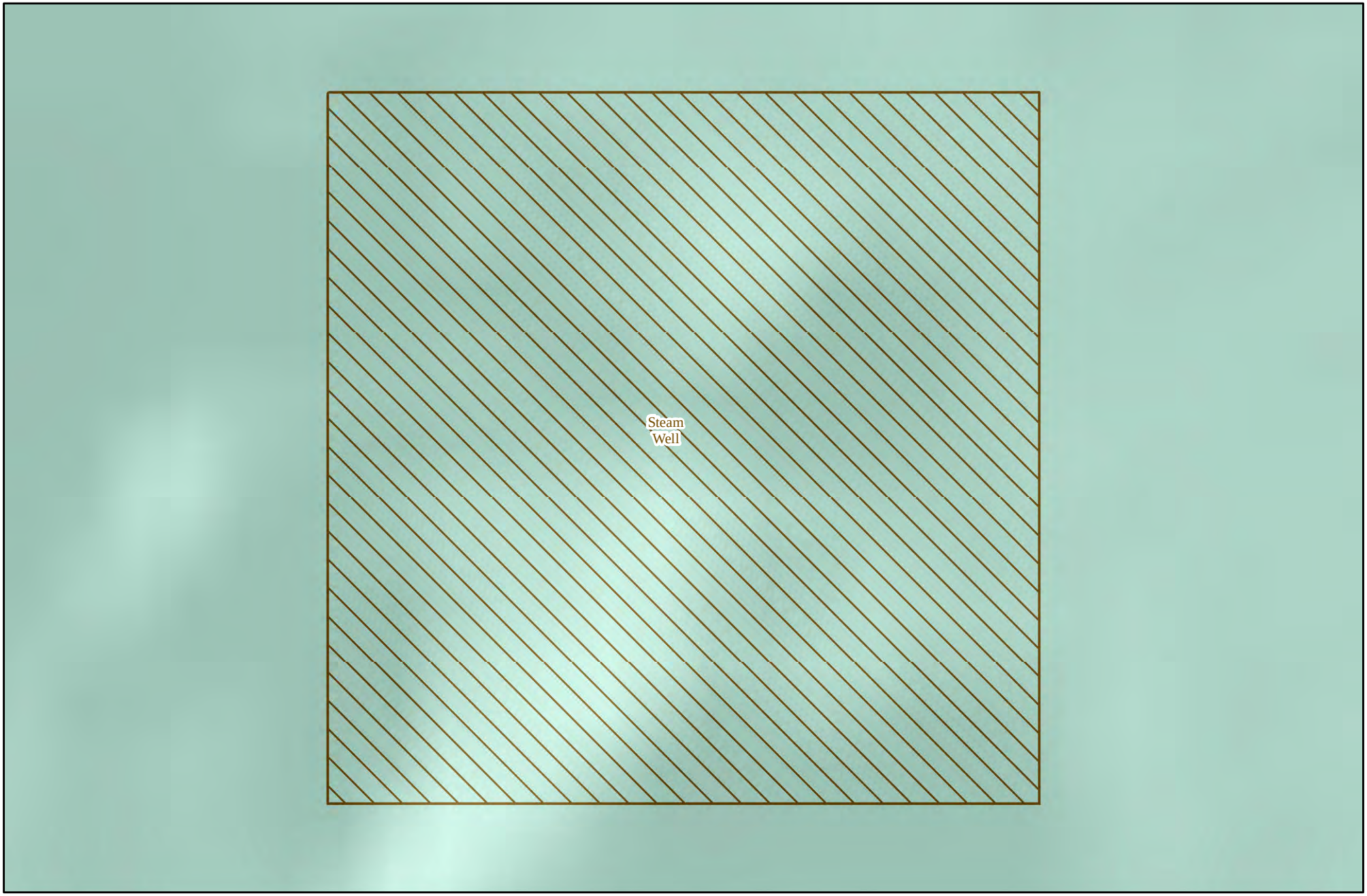

0.065 Miles

0.095 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
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Land Status

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GTLF

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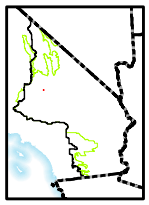

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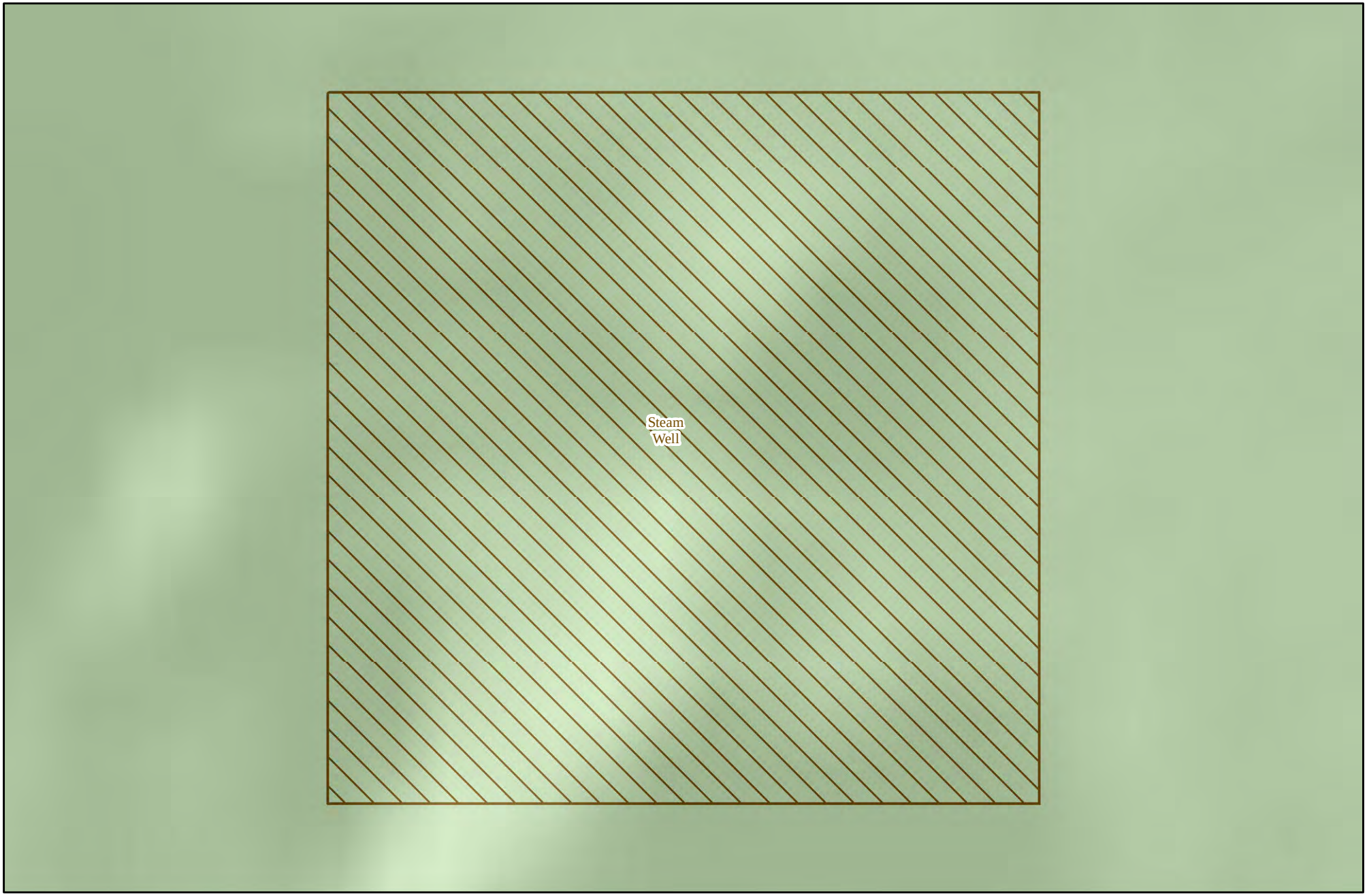

0.065 Miles

0.095 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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GTLF

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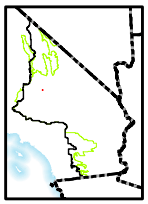


Superior-Cronese

Description/Location: This unit is south of Fort Irwin, north of Interstate 15 and borders Fremont-Kramer ACEC to the west, and Soda Mountain Wilderness Study Area to the east.

Nationally Significant Values:
Ecological: This area provides high density Desert Tortoise habitat and encompassed designated desert tortoise critical habitat. This area provides critical tortoise habitat linkage.

Scientific: Parts of this area have been the subject of long-term population monitoring studies for the desert tortoise.

Special Designations/Management Plan/Date: Established in WEMO, March 2006.

Relevance and Importance Criteria: Relevant biological resources. This area provides high density Desert tortoise habitat and encompassed designated desert tortoise critical habitat. This area provides critical tortoise habitat linkage.

Relevant wildlife resource values. Desert Tortoise habitat capable of sustaining viable tortoise populations and the highest value critical habitat.

Goals: The unit is managed for tortoise conservation and recovery in accordance with the Desert Tortoise Recovery Plan until which time the tortoise may be delisted as per criteria given in the Recovery Plan. Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public 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	404,800	0	NA
Preferred Alternative	60,400	403,800	0	0.5%
1	33,100	403, 800	0	0.5%
2	287,400	297,500	0	0.25%
3	42,700	414,200	0	0.5%
4	16,300	298,400	0	0.25%

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

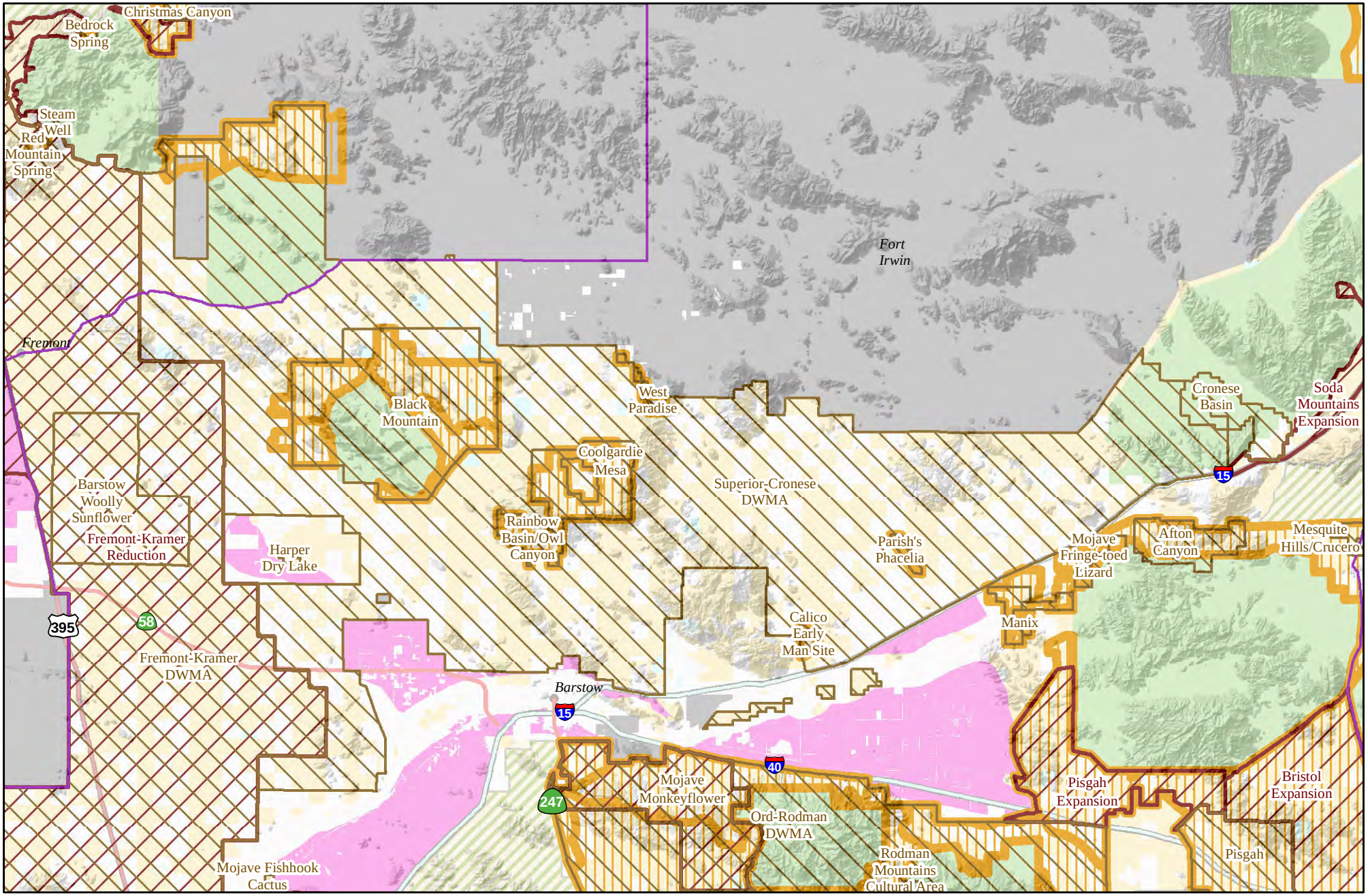
Alternatives:
Under All Action Alternatives--This is an existing ACEC that overlaps numerous smaller ACECs and designated wilderness areas. To resolve these dual designations, all action alternatives will removed these dually designated acres from Superior-Cronese (the designation of the other ACEC or wilderness would remain and the acres would still be managed for conservation purposes) to assist BLM is accurate reporting of number of acres in conservation status.

No Action – this existing ACEC would continue to be managed as it currently is, and the dual designations would remain.

Objectives (desired future conditions)/Allowable Uses/Management Actions	**Resource**
Objective: Maintain or improve condition of desert tortoise habitat Management Action 1: Control non-native invasive plants as needed Management Action 2: Rehabilitate degraded areas using native species important to desert tortoise. Objective: Manage for the protection of rare species and communities. Management Action 1: Survey for sensitive species, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions Management Action 2 : Protect Natural Communities listed as rare by the state. Objective: Education public about vegetation values Action: Install interpretive signs	Vegetation – Including special status species
Objective: Maintain or improve condition of Desert Tortoise habitat Management Action: Maintain viable populations and connections between other conservation areas Objective: Monitor log-term trends in desert tortoise populations Management Action: Implement interagency line distance sampling	Fish and Wildlife Including special status species
Objective: Protect sensitive habitat from impacts associated with vehicle traffic Allowable Uses: All vehicle traffic limited to designated roads and trails Management Action 1: Establish no new routes in ACEC Management Action 2: Management Action: Modify the WEMO Route Network to reflect open routes through the ACEC and close other existing unauthorized routes	Trails and Travel Management
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: Inform the public of the importance of the ACEC Management Action: Install interpretive signs at access points to the ACEC, conduct public education efforts concerning OHV use in the desert.	Recreation

Objective: Consolidate habitat management Management Action: Acquire inholdings from willing sellers	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

Superior-Cronese



10 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

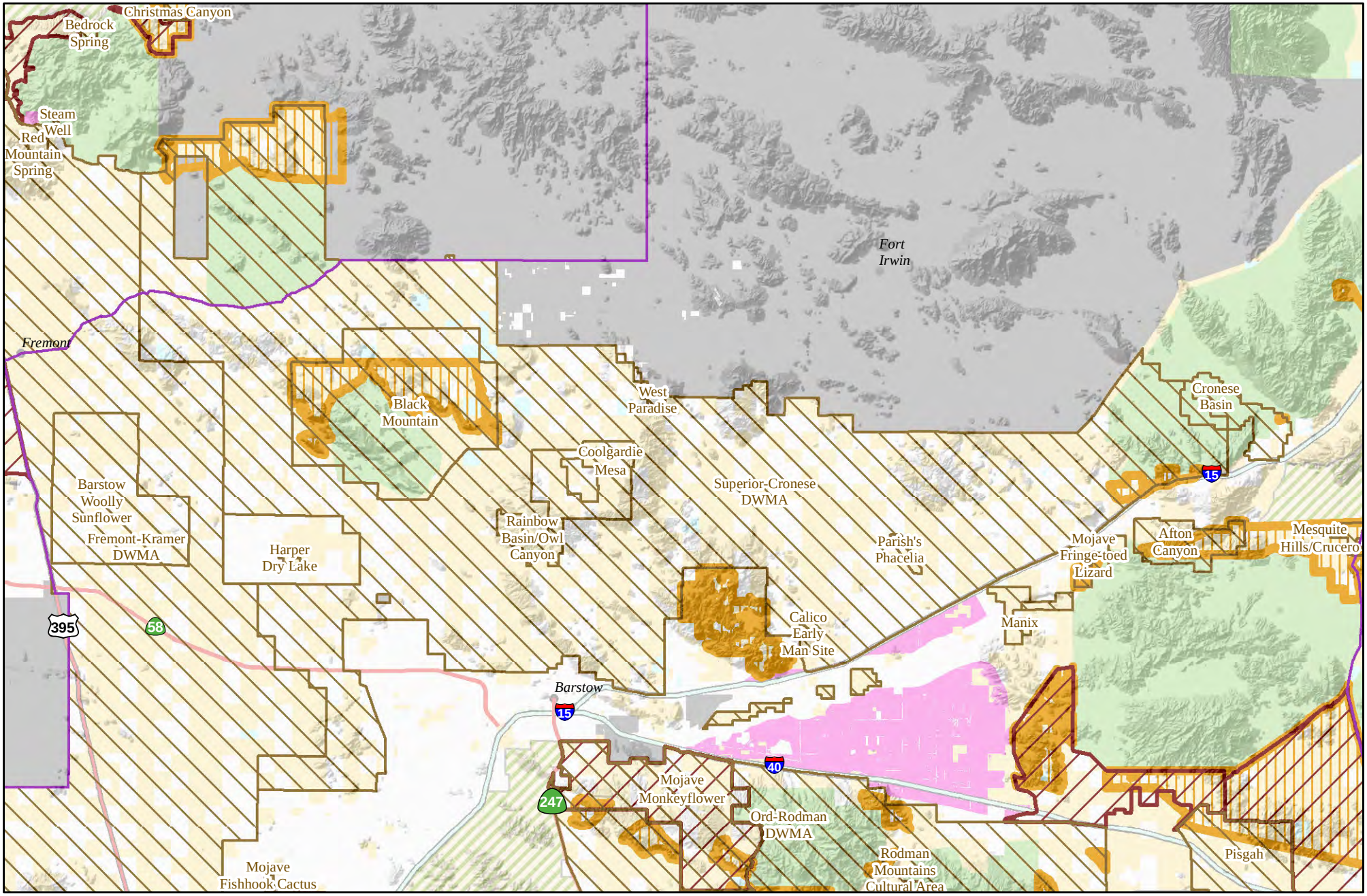
Land Status

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

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

Superior-Cronese



10 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
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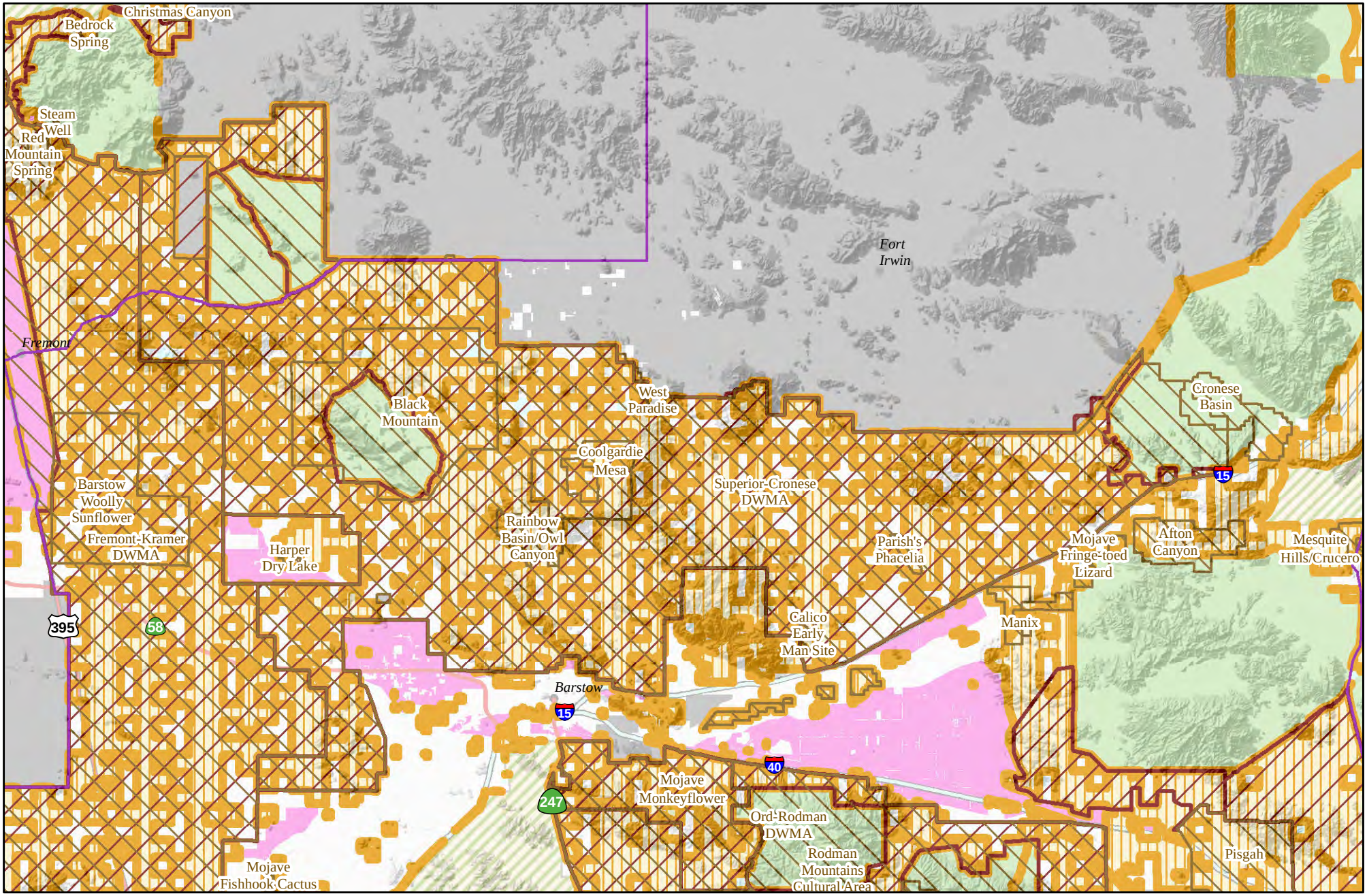
Superior-Cronese



10 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

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GTLF

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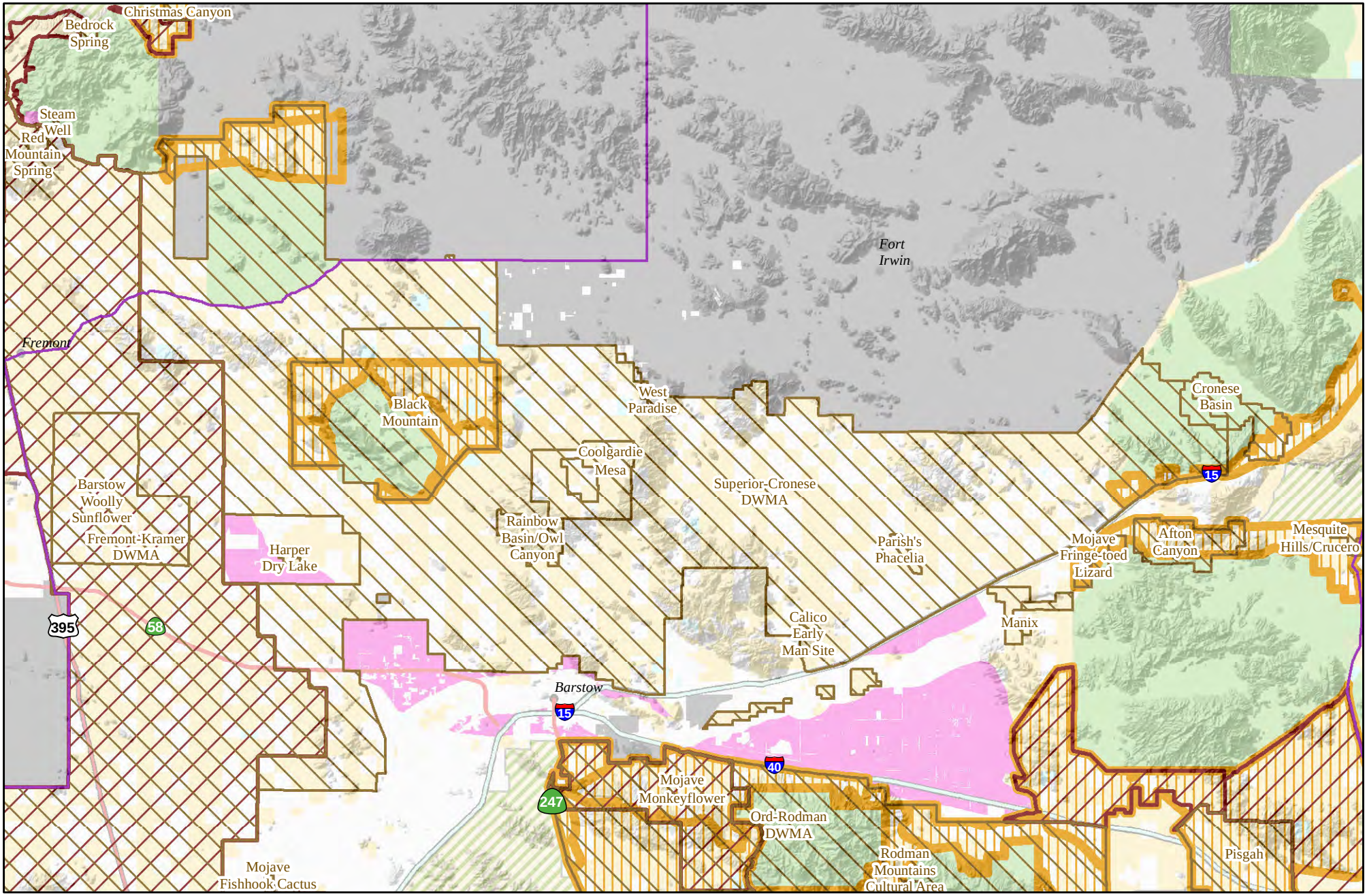
- County Hwy

Superior-Cronese



10 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

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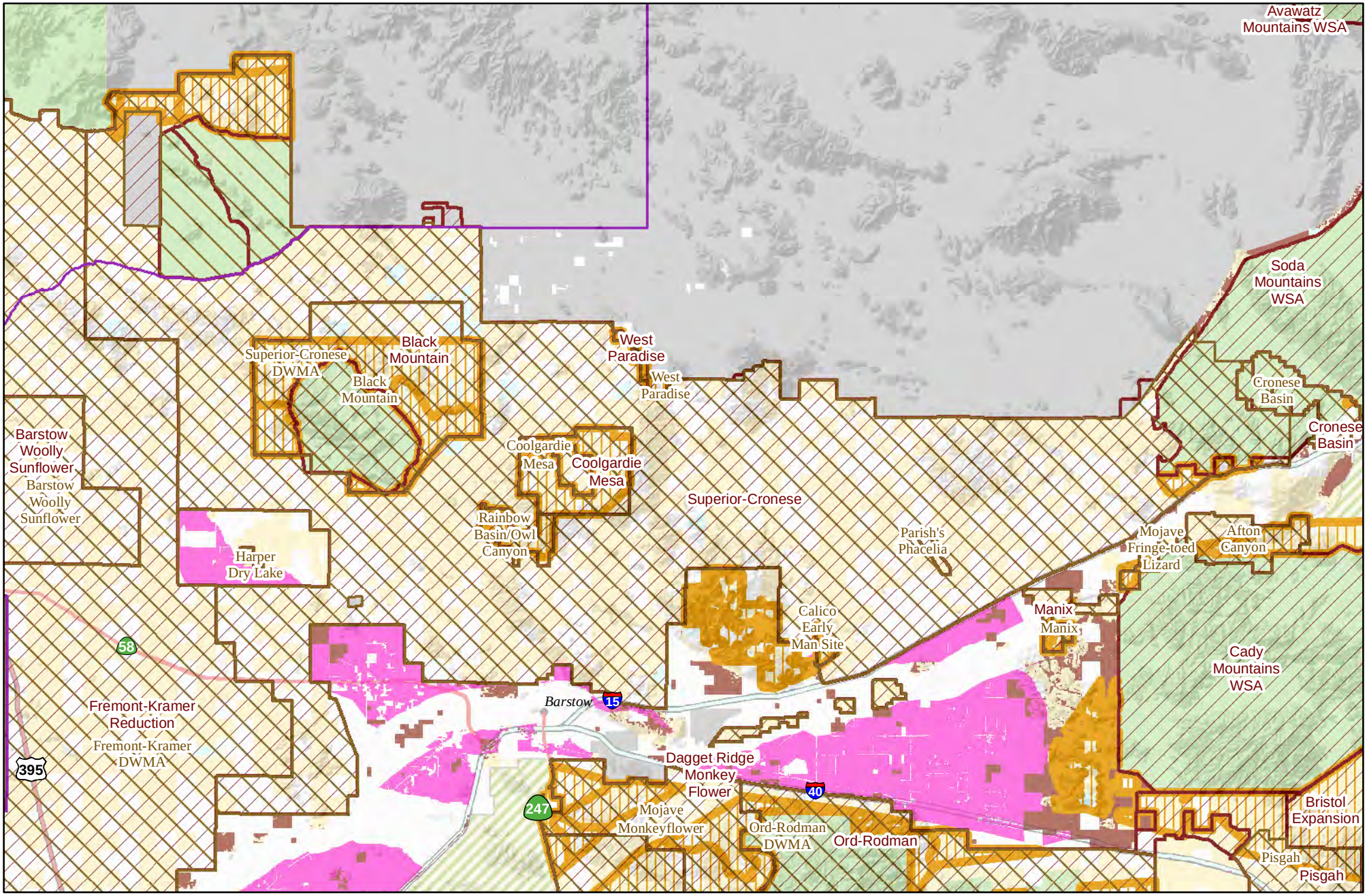
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy

Superior-Cronese



10 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
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- Military
- Private

GTLF
- Interstate
- US Hwy
- CA Hwy
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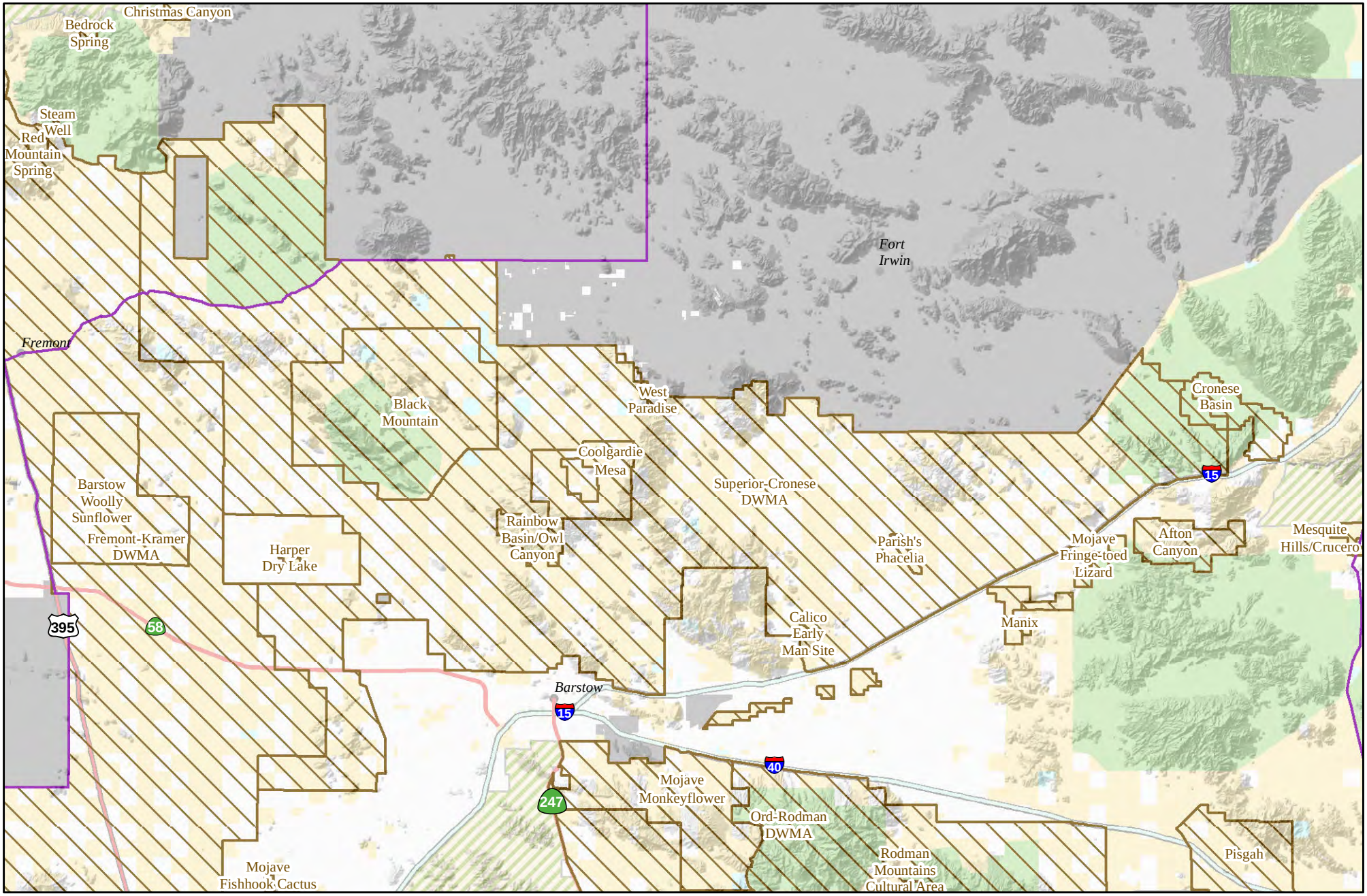
Superior-Cronese



10 Miles

10 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

West Paradise

Description/Location: West Paradise lies entirely within the Superior-Cronese DWMA and adjoins the military lands of the Fort Irwin National Training Center near Lane Mountain.

Nationally Significant Values:
Ecological: Established to protect the extremely narrowly endemic Lane Mountain milkvetch and Barstow woolly sunflower.

Special Designations/Management Plans/Date: ACEC established in the 2006 West Mojave Plan

Relevance and Importance Criteria: Established to protect the extremely narrowly endemic Lane Mountain milkvetch. The area also provides important wildlife connectivity.

Goals: Provide reserve level management for the conservation of Lane Mountain milkvetch, desert tortoise, and Mojave ground squirrel.

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	200	0	NA
Preferred Alternative	200	200	0	0.5%
1	0	200	0	0.5%
2	200	200	0	0.5%
3	0	200	0	0.5%
4	200	200	0	0.5%

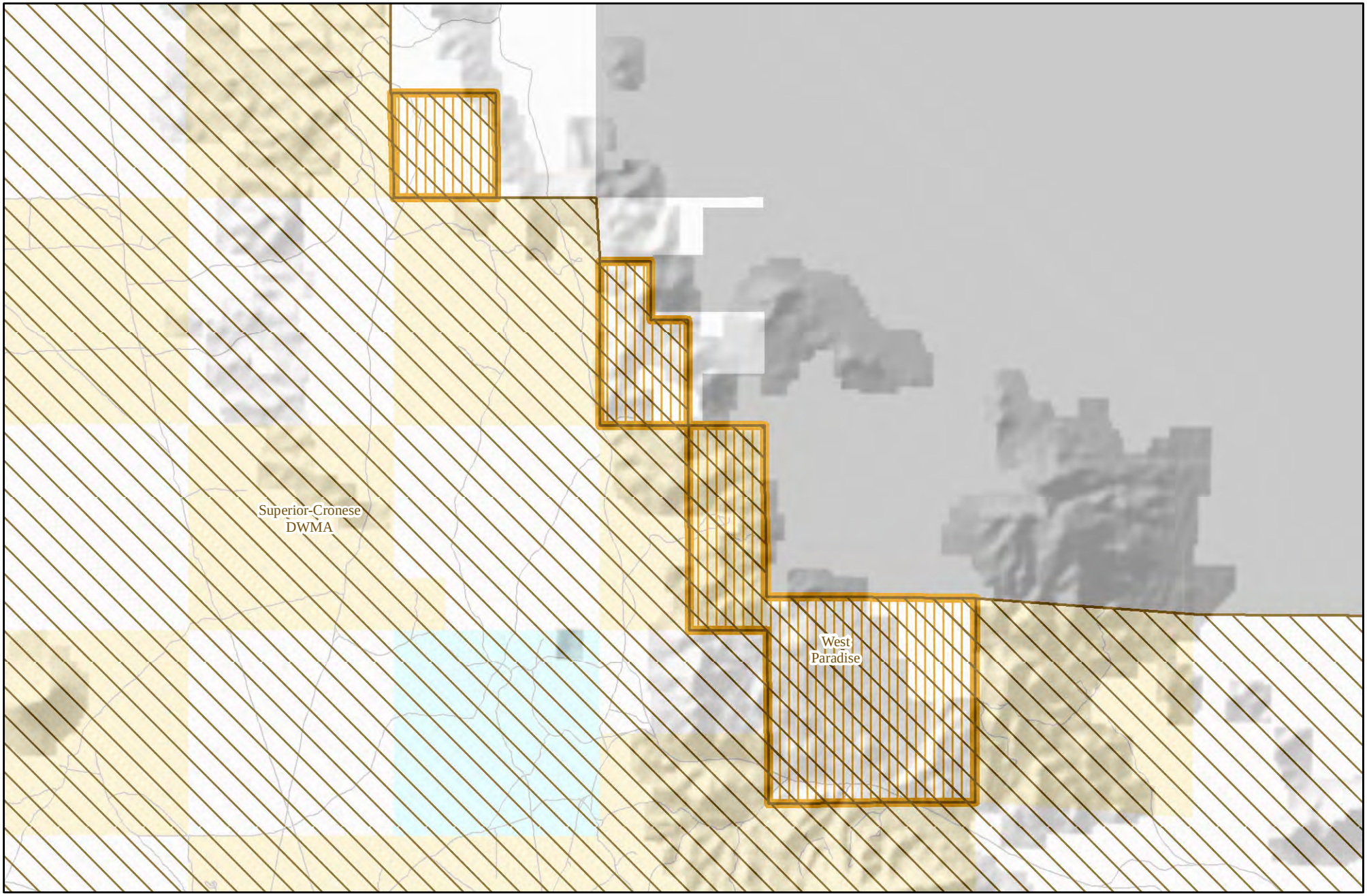
*** Acreage values are for BLM managed lands**

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

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource Program
Objective: Protect and enhance Lane Mountain milkvetch (*Astragalus jaegerianus*) habitat and populations Management Action: Acquire occupied habitat on private lands Management Action 1: Protect a contiguous habitat block with conserved populations on public lands throughout the species range	Vegetation – Including special status species

Management Action 2: Establish an additional reserve through adaptive management in the western part of the range Management Action 3: Manage the remaining outlying populations by site specific measures Management Action 4: Establish a survey requirement area north of EAFB and northwest of Kramer Junction to identify reserve boundaries, a new conservation area would be established for Lane Mountain milkvetch if a significant population were located outside the existing conservation areas	
Objective: Maintain or improve condition of habitat for sensitive wildlife Management Action: Protect populations of special status animals Desert tortoise and Mojave ground squirrel	Fish and Wildlife (incl. special status species)
Objective: Protect sensitive habitat from vehicle impacts Allowable Uses: All vehicle use is limited use— existing open routes only, no new routes Management Action: Fencing of the approved routes would be installed as necessary, with signs advising the public that the area is closed to vehicle travel because of endangered species conservation	Trails and Travel Management
Objective: provide dispersed opportunities focuses on enjoyment of the ACEC attributes Allowable Uses: Dispersed camping	Recreation
Objective: Intact habitat Management Action: Acquire all inholdings from willing sellers	Land Tenure
Objective: Limit impacts to sensitive species associated with new ROWs Allowed Uses: Right of Way avoidance area Management Action 1: BLM shall require botanical surveys prior to issuing any use permits. Management Action 2: No permits shall be issued which allow take of Lane Mountain milkvetch (projects would have to be relocated).	Rights of Way (ROW)
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: Protect sensitive habitat from impacts associated with mineral development Allowable Uses: All lands within the Conservation Area will be withdrawn from mineral entry, no surface occupancy Management Action 1: Claimholders should be notified of the presence of endangered plants Management Action 2: Restrictions on casual use that involves ground disturbance within the Conservation Area would be developed as necessary	Locatable Minerals Mineral Materials Non-energy Leasables
No grazing would be permitted	Livestock grazing

West Paradise



0.9 Miles

1 Kilometers

N

Preferred Alternative ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

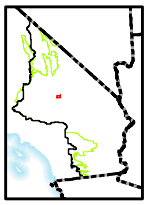
- Existing ACEC
- Proposed ACEC
- Proposed NLCS
- Design Focus Areas
- Legislatively and Legally Protected
- Cities
- OHV Areas
- CDCA Boundary
- DRECP Boundary
- BLM Field Office

Land Status

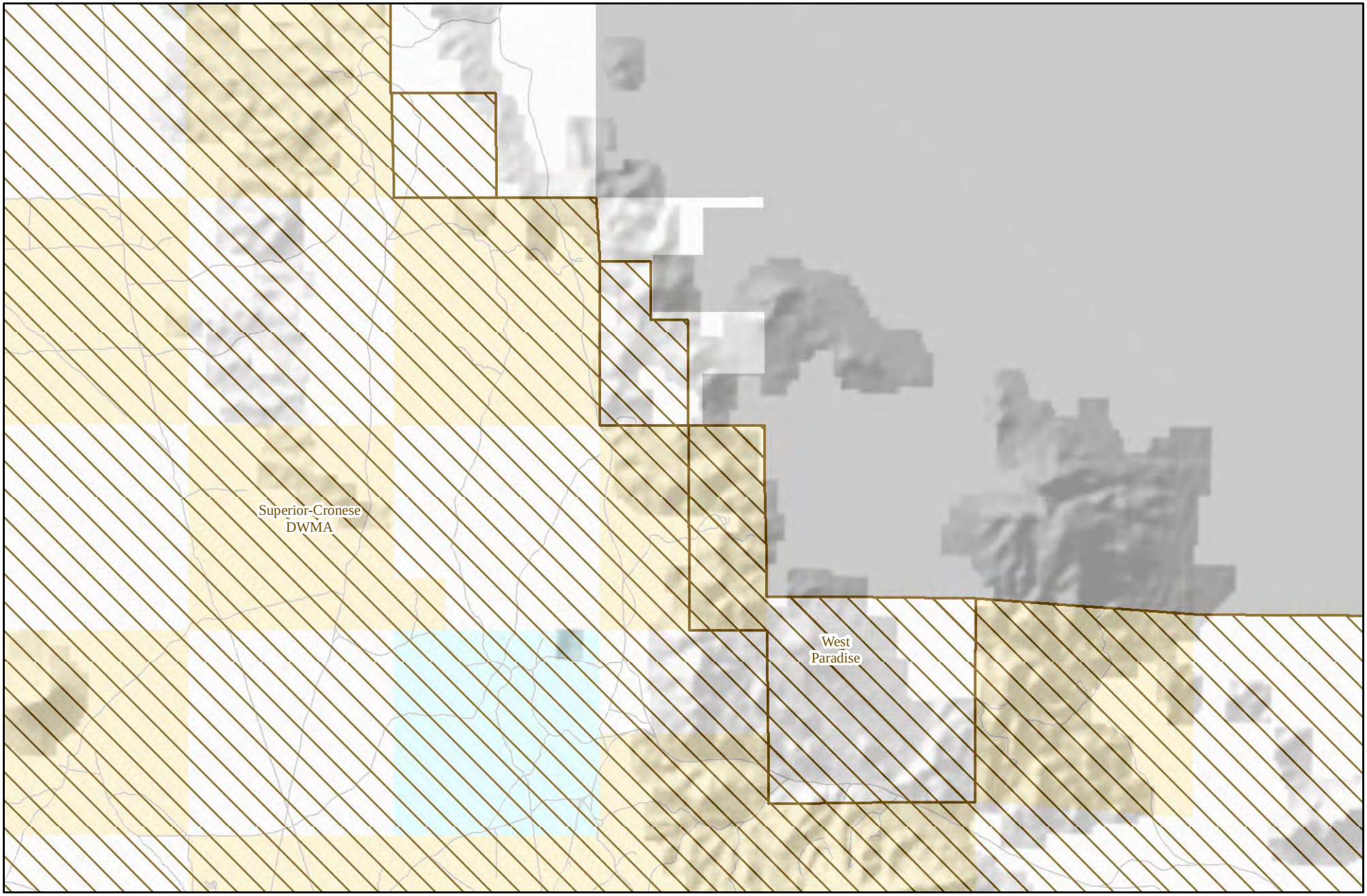
- Bureau of Land Management
- State
- Other Federal
- Military
- Private

GTLF

- Interstate
- US Hwy
- CA Hwy
- County Hwy



West Paradise



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N

Alternative 1 ACECs

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Prepared by BLM California State Office

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GTLF

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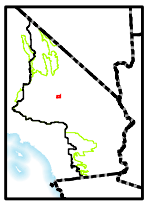

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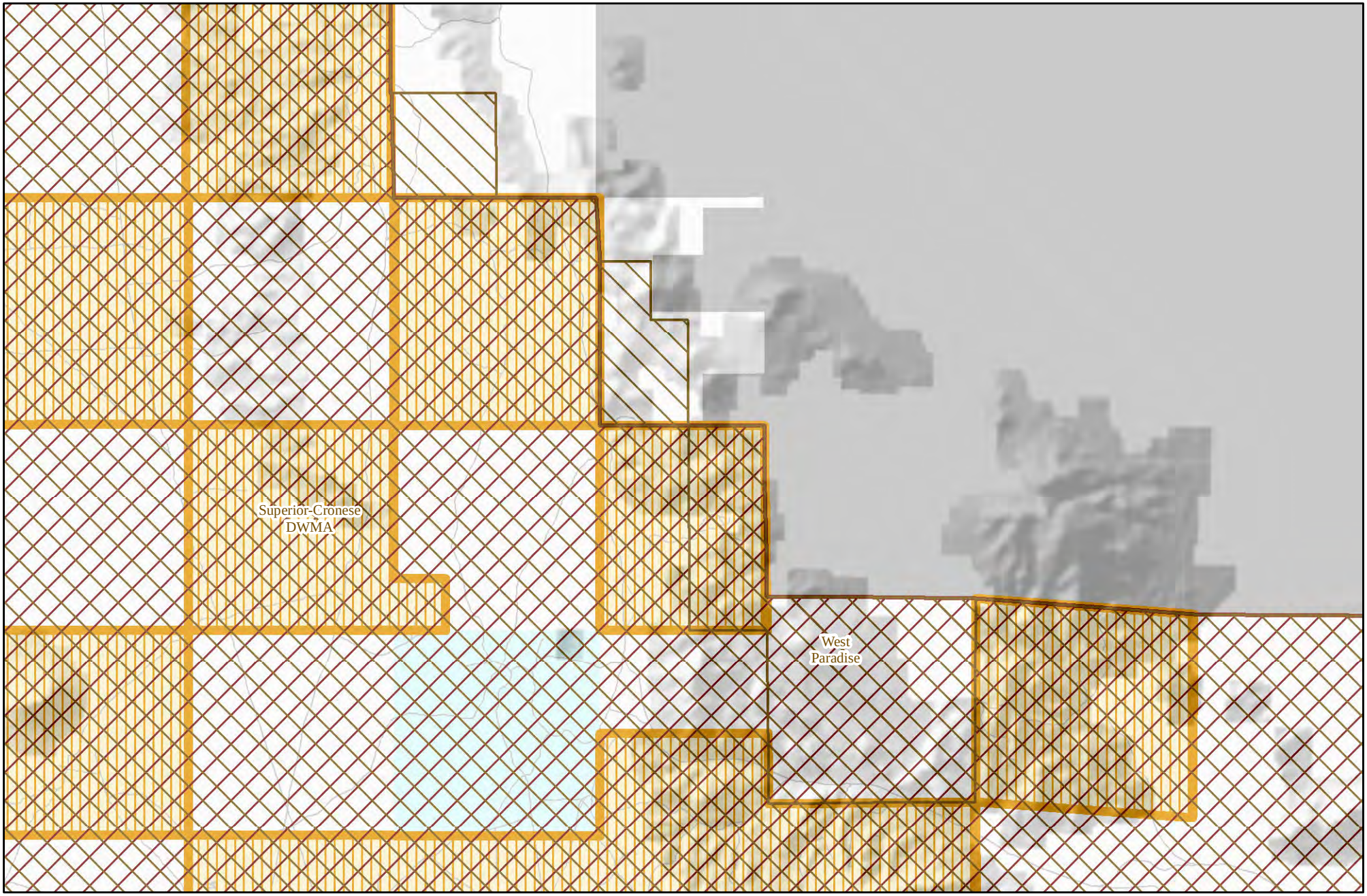

0.9 Miles

1 Kilometers

N

Alternative 2 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

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Land Status

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GTLF

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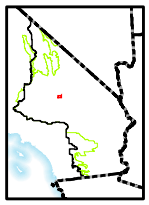

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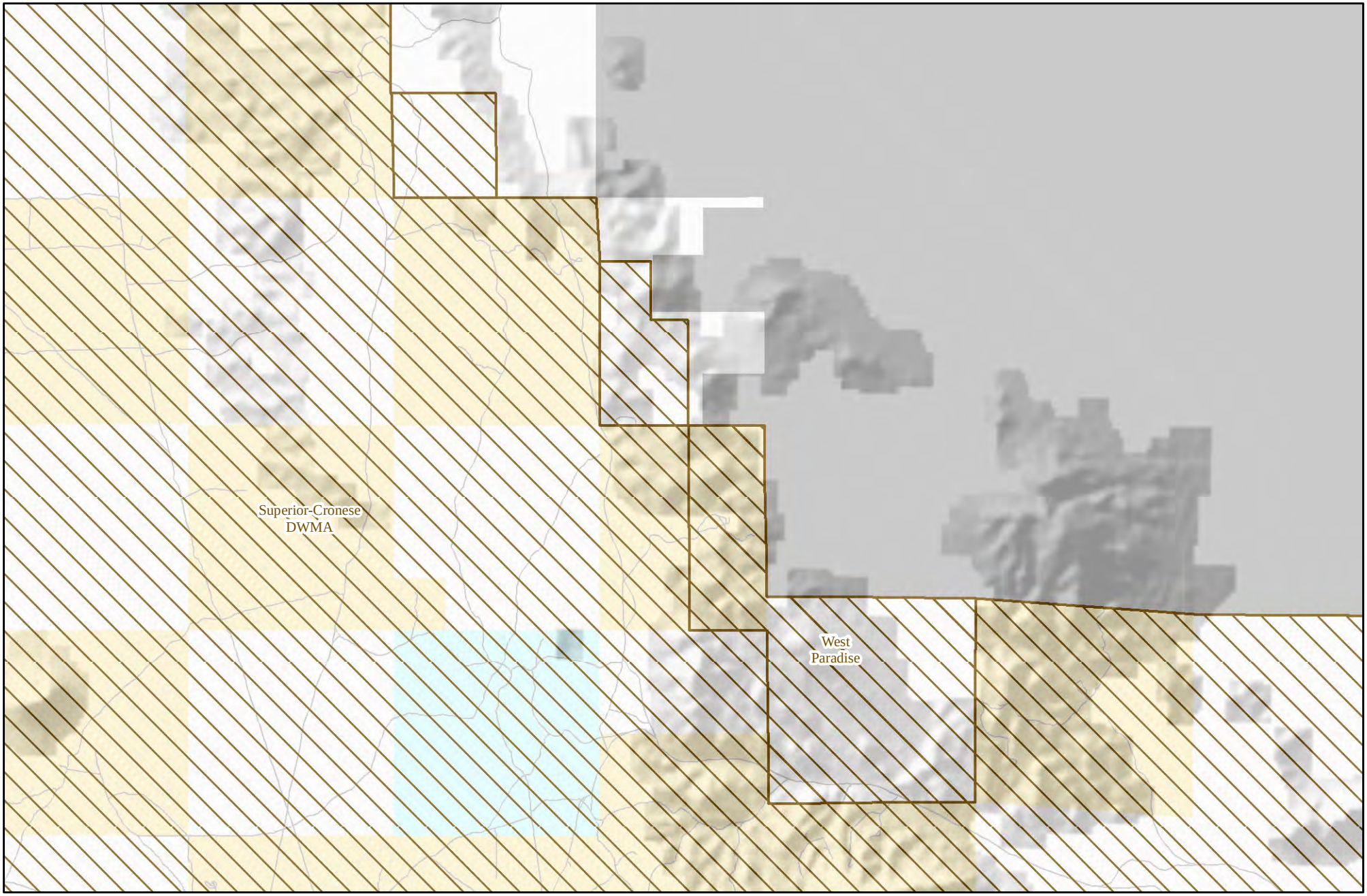

0.9 Miles

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
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- Cities
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Land Status

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GTLF

- Interstate
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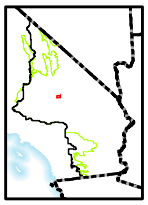
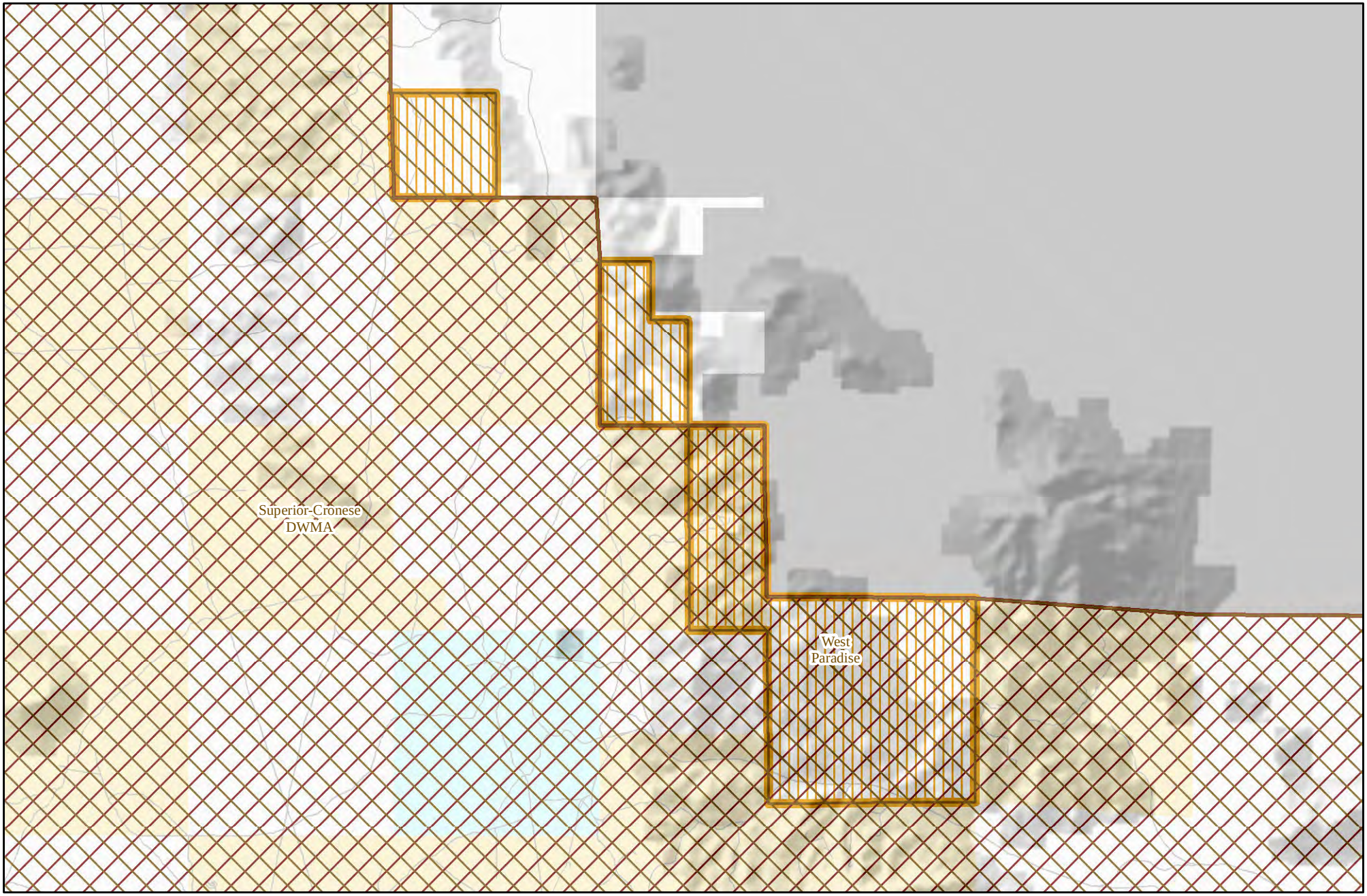
- County Hwy



West Paradise



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1 Kilometers

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Alternative 4 ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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GTLF

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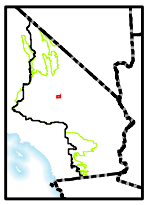

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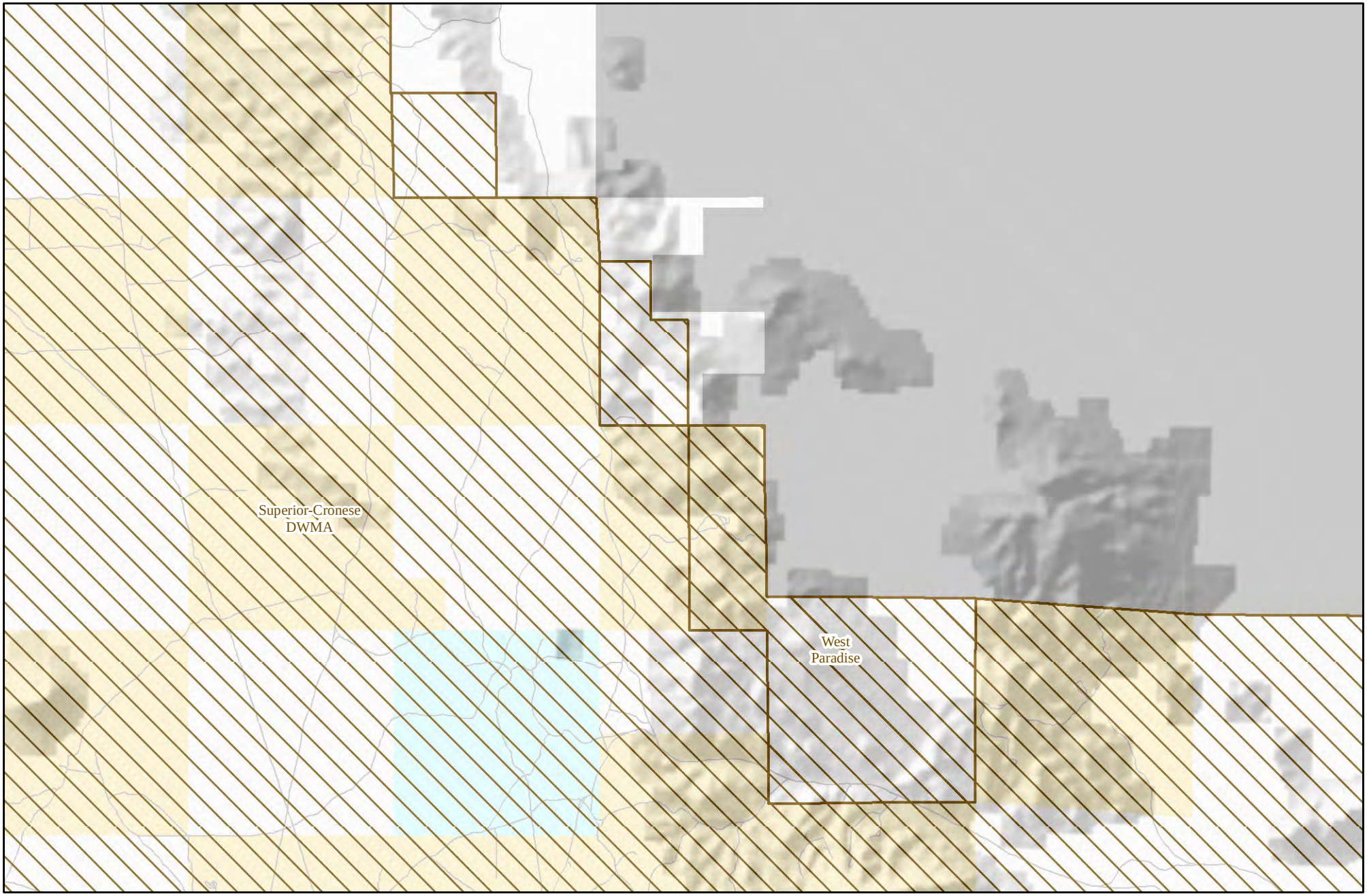

0.9 Miles

1 Kilometers

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No Action ACECs

Date Printed: 5/29/2013

Prepared by BLM California State Office

ACEC Layers

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- OHV Areas
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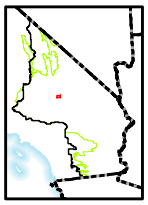
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