








Nevada

Basin and Range

Kingston-Ar

Mojave & Silurian Valley

-  Ecoregions
-  ACEC
-  Wildlife Allocation
-  DRECP Boundary
-  Legislatively & Legally Protected Areas

### DRECP Ecoregions-Basin and Range

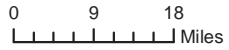


ACECs



9/14/2015

Draft Map Boundaries Subject to Change



## Basin and Range Subregion ACEC Units

<b>Unit Name</b>	<b>Map #</b>	<b>See Here for Special Unit Management Plan</b>
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## Ayer's Rock

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Coso Junction Area. Polygon is formed by route SE435 on the west, the China Lake Naval Air Weapons Station on the east, and Gill Station Road on the south.

**Nationally Significant Values:**

**Ecological:** This area also includes Mohave ground squirrel (MGS) core habitat within the MGS Conservation Area. This is one of only 11 core population centers.

**Cultural:** Ayer's Rock was formally listed on the National Register of Historic Places in 2003. The Ayer's Rock ACEC encompasses a complex of prehistoric archaeological resources, the most prominent of which is a monolithic boulder renowned for panels of Native American rock art, specifically painted polychrome pictographs. The ACEC would include the main Ayer's Rock boulder as well as the surrounding boulder fields. Research at this location attributes the rock art as a distinctive style termed Coso Representation, and has been associated with local Numic-speaking groups such as the Northern Paiute, Panamint Shoshone, Coso Shoshone, and Kawaiisu. These sites have high densities of obsidian and other types of lithic material unparalleled in the west Mojave.

**Scientific:** The associated nearby cultural resource sites make the ACEC an important avenue for research and preservation of the archaeological record. An expanded inventory of the area needs to be conducted to ensure a complete record of the associated cultural resources has been identified.

**Special Designations/Management Plan/Date:** Listed on the National Register of Historic Places 03/12/2003

**Relevance and Importance Criteria:** Ayer's Rock is one of a few known pictograph sites in the Ridgecrest Field Office. In addition, eagles and other raptors perch on boulders in the area. It is a very scenic area with valuable wildlife habitat. This proposed ACEC is also within the Mohave Ground Squirrel Conservation Area and is excellent habitat for this BLM special status species. The ACEC is currently readily accessible by open travel routes and is a popular destination for recreationists and rock art enthusiasts. The area was classified as a VRM Class II. The objective of this class is to retain the existing character of the landscape.

**Grazing Allotment:** This unit overlaps with Lacey-Cactus-McCloud Allotment.

**Overarching Goals:** To preserve and protect cultural resources listed on the National Register of Historic Places and the associated setting and landscape, as well as to protect the habitat of special status species.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

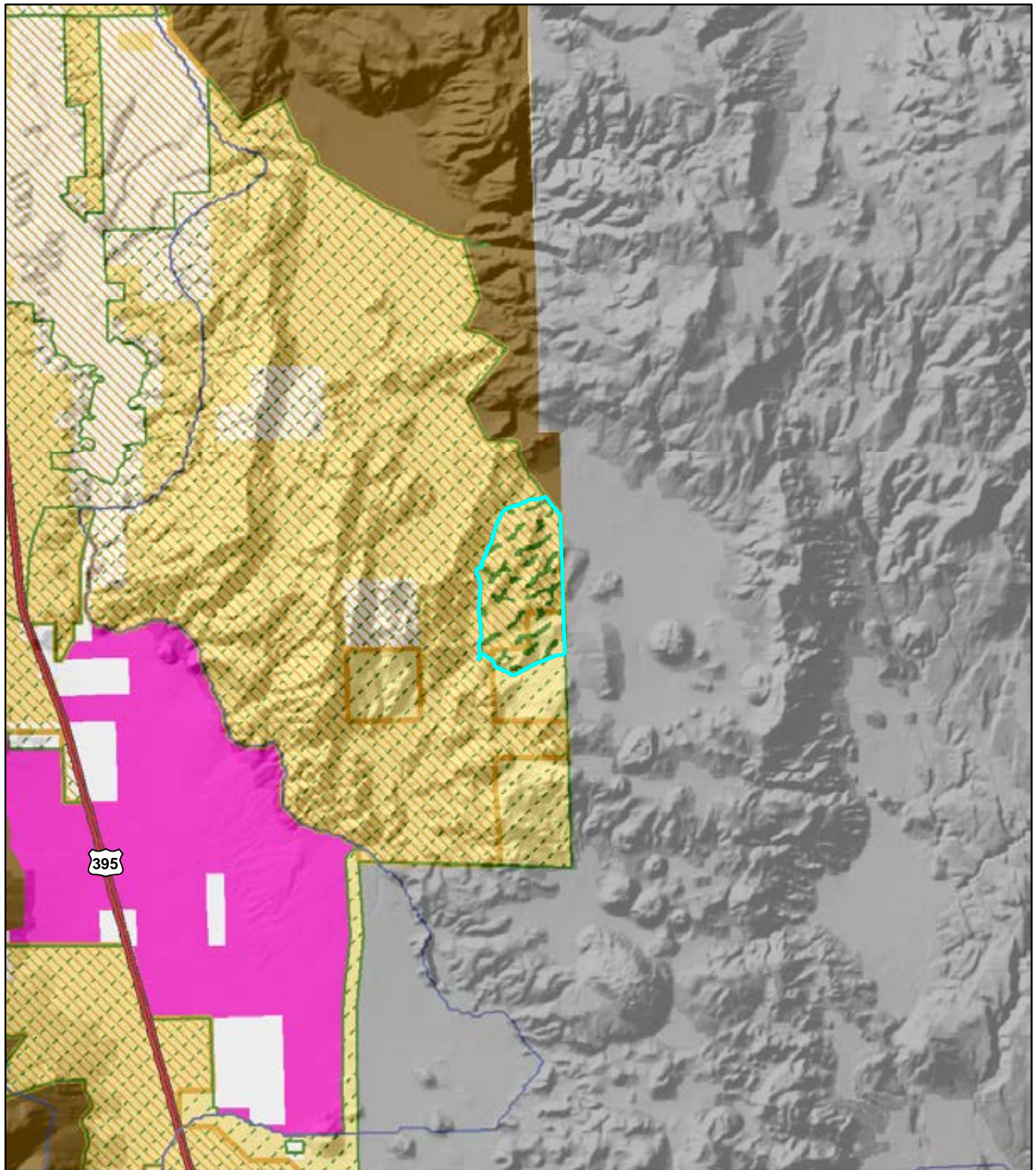
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	1,254	1,564	0	0.10%
1	1,300	1,600	0	0.10%
2	1,600	1,600	0	0.10%
3	1,300	1,600	0	0.10%
4	1,300	1,600	0	0.10%

\* Acreage values are for BLM managed lands

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to 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.</p>	Soil, water, air
<p>Objective: Maintain or Improve condition of vegetation</p> <p>Management Actions: Remove invasive plants Rehabilitate/revegetated disturbed areas Ensure food species for the Mohave ground squirrel are maintained (spiny hopsage and <i>Atriplex</i> sp.)</p>	Vegetation (incl. special status species)
<p>Objective: Protect and enhance habitat to maintain stable or increasing</p> <p>Management Actions: Restore habitat as needed designate [Mohave ground squirrel] as priority species for management and protection. American Badger (<i>Taxidea taxus</i>) State Special Animal Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened BLM sensitive Golden Eagle (<i>Aquila chrysaetos</i>) BLM sensitive, Bald and Golden Eagle P. Act Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern Burrowing Owl (<i>Athene cunicularia</i>) BLM Sensitive Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern</p>	Fish and Wildlife (incl. special status species)

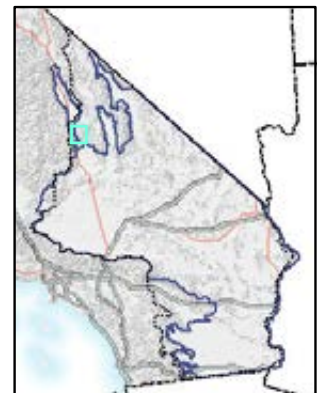
<p>Loggerhead Shrike (<i>Lanius ludovicianus</i>) State Species of Special Concern</p>	
<p><i>See programmatic ACEC cultural resources objective and action items in general cultural resources rules.</i></p> <p>Objective: Protect Cultural Resources of the Ayres Rock ACEC</p> <p>Management Action: Increase compliance with protection of cultural resources</p> <p>Action Item 1: Prohibit camping and recreational off highway vehicle use within the National Register District.</p> <p>Action Item 2: Explore cooperative management with site stewards and/or affiliated Native American communities</p>	<p>Cultural Resources</p>
<p>Objective: Preserve the sense of isolation and unspoiled view shed that is as much a part of the site as the pictographs themselves.</p> <p>Management Actions: Account for Visual Resource Inventory in all project assessments</p>	<p>Visual Resources</p>
<p>Objective: Limit Motorized vehicle impacts</p> <p>Provide for the use of the designated travel system to provide access to the public lands while protecting the significant values of the area.</p> <p>Allowable Uses: Motorized, non-motorized, non-mechanized, etc. including casual as well as permitted use.</p> <p>Management Action: Designated routes will be signed and managed in accordance to the local Travel Management Plan, as funding allows. Unauthorized routes will be rehabilitated/restored as funding allows..</p>	<p>Trails and Travel Management</p>
<p>Objective: Provide recreation opportunities that are consistent with resource protection</p> <p>Allowable Uses: All forms of casual and permitted recreational uses 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 do not degrade the relevant and important values that the ACEC is being established for.</p> <p>Management Action: Manage area for resource protection</p> <p>Action 1: Delineate the parking area from the surrounding area, perhaps with boulders of the same type and color as the flanking rock outcrops.</p> <p>Action 2: Delineate the foot trail from the parking area to Ayer's Rock itself.</p> <p>Action 3: Maintain signs, vehicle barriers and kiosks, as funding allows.</p> <p>Action 4: Install "Camping prohibited" signs where appropriate around the boundaries of the National Register District to prevent dispersed camping from occurring within its boundaries, as funding allows.</p>	<p>Recreation</p>
<p>Objective: Protect resource values of the ACEC</p> <p>There is one ROW associated with the southern boundary road (SE435) to the active pumice mine straddling the NAWS boundary near Ayres Rock. It does</p>	<p>Rights of Way</p>

<p>not affect the site.</p> <p>There is also an approved but as yet still undeveloped ROW to improve and use of part of the western boundary jeep trail (SE756) to access a proposed geothermal exploratory drilling site located more than two miles away. The site sits in a bowl, where SE756 cannot be seen, and looks west out over the tops of the Sierra.</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals</p>	
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area.</p> <p>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.</p>	Locatable Minerals Mineral Materials Non-energy Leasables
<p>Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources</p> <p>Allowable Uses: Existing allotment is authorized, but do not authorize new allotments or expansion of existing allotment (either in size or increase number of AUMs), if willing relinquishment, would be made unavailable</p> <p>The area is located within a cattle grazing allotment (the Lacy Cactus- McCloud Allotment), but is on the periphery of the active grazing area to the north in Cactus and McCloud Flats.</p>	Livestock grazing



Conservation Footprint

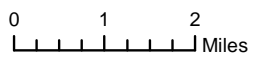
- |   |                            |                           |
|---|----------------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary              | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  | <b>Renewable Footprint</b> | Department of Defense     |
| 0.1% Disturbance Cap                    | Development Focus Areas    |                           |
| 1% Disturbance Cap                      |                            |                           |



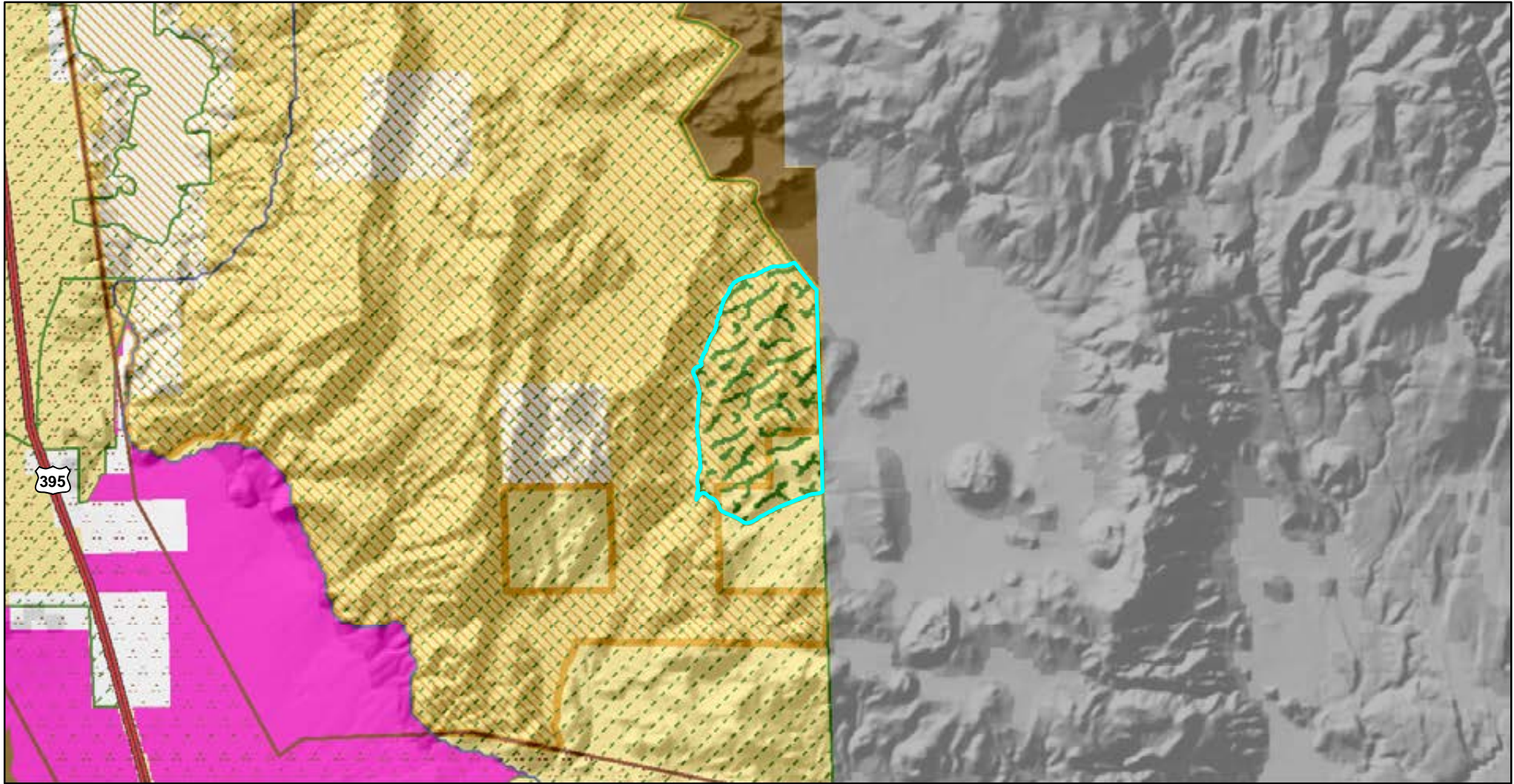
Ayers Rock



8/25/2015



Draft Map Boundaries Subject to Change



**Conservation Footprint**

Legislatively & Legally Protected Areas

National Conservation Lands

**ACEC Boundaries**

0.1% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

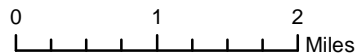
**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

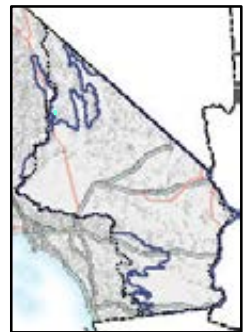
Department of Defense



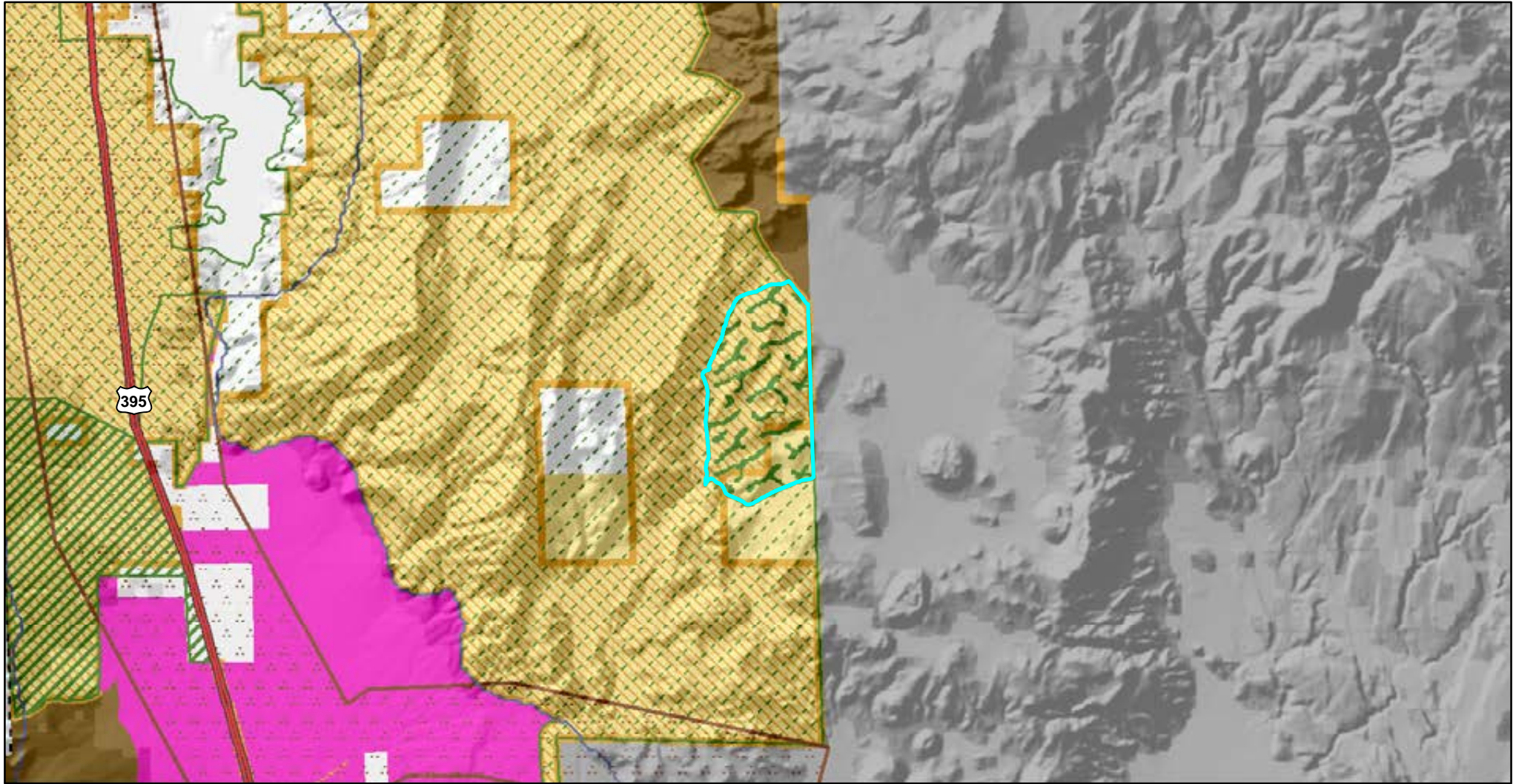
**Ayers Rock  
Alternative 1**

8/25/2015

Draft Map Boundaries Subject to Change

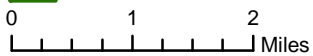






**Conservation Footprint**

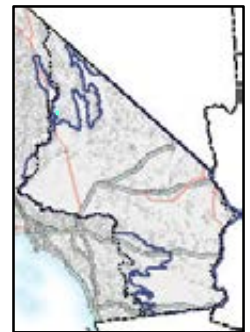
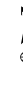
- |   |                            |                           |
|---|----------------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary              | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  | Transmission Corridor      | Department of Defense     |
| 0.1% Disturbance Cap                    | <b>Renewable Footprint</b> |                           |
| 0.25% Disturbance Cap                   | Development Focus Areas    |                           |
| 1% Disturbance Cap                      |                            |                           |

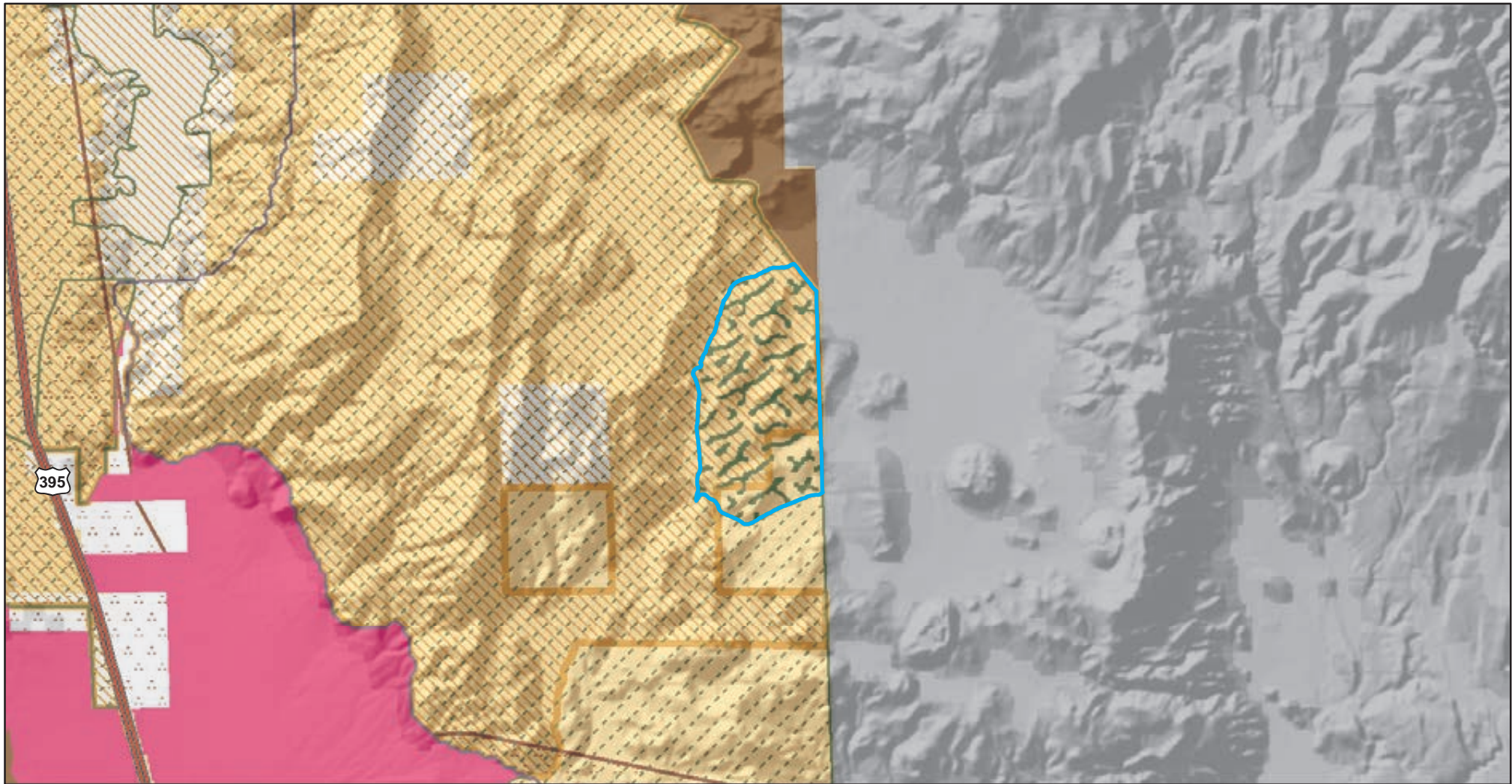


**Ayres Rock  
Alternative 2**

8/26/2015

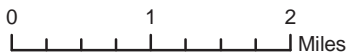
Draft Map Boundaries Subject to Change





**Conservation Footprint**

- |   |                            |                           |
|---|----------------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary              | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  | Transmission Corridor      | Department of Defense     |
| 0.1% Disturbance Cap                    | <b>Renewable Footprint</b> |                           |
| 1% Disturbance Cap                      | Development Focus Areas    |                           |

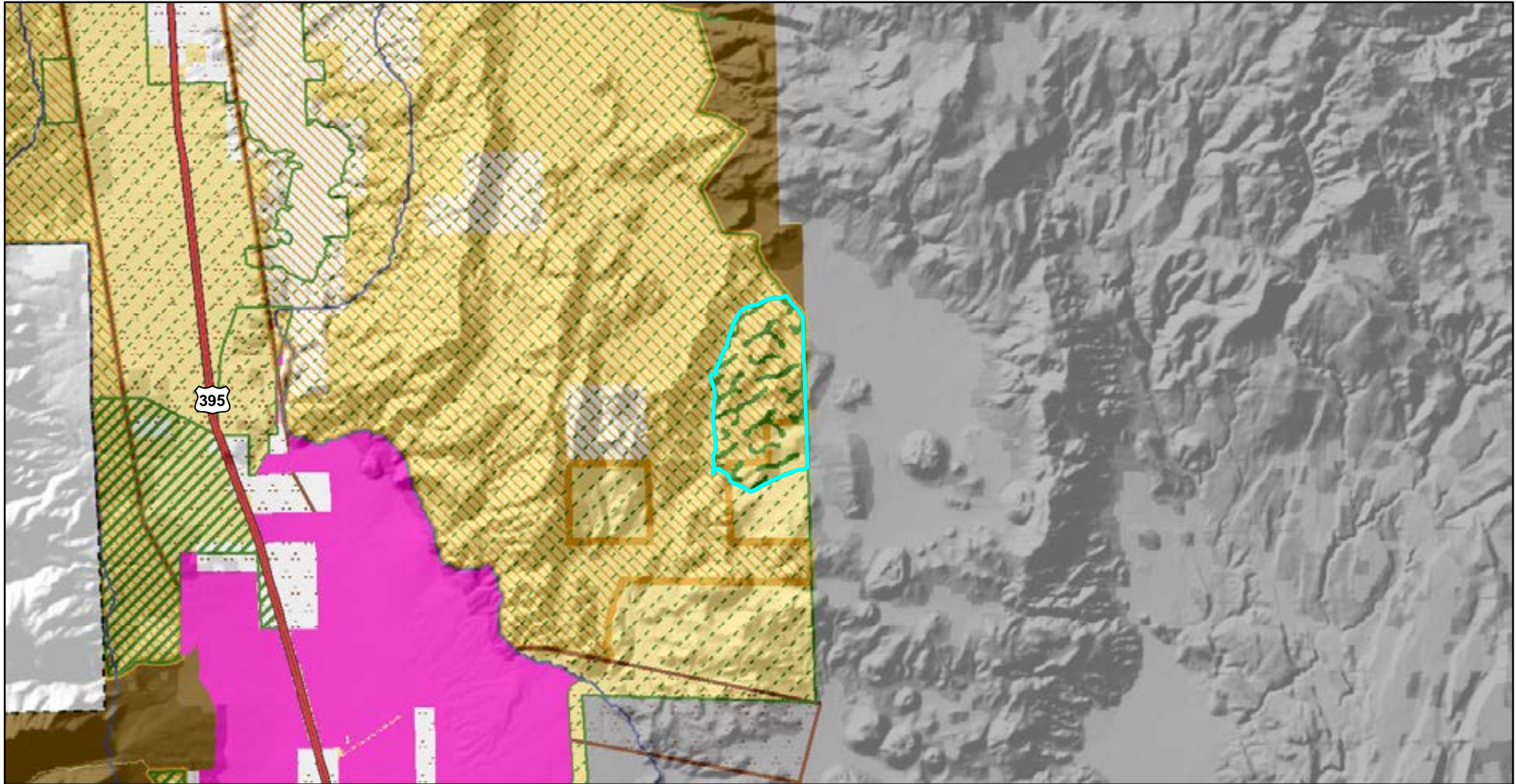


**Ayers Rock  
Alternative 3**

8/26/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

National Conservation Lands

Legislatively & Legally Protected Areas

**ACEC Boundaries**

0.1% Disturbance Cap

0.25% Disturbance Cap

1% Disturbance Cap

0 1 2  
Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

Department of Defense

**Ayres Rock  
Alternative 4**

8/27/2015

Draft Map Boundaries Subject to Change



## Cerro Gordo-Conglomerate Mesa

### **National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Located along the crest at the southern end of the Inyo Mountains in Inyo County. The southernmost expansion includes the area south of Cerro Gordo Peak and the town of Cerro Gordo known as Conglomerate Mesa. The northernmost expansion area is northeast of the town of Cerro Gordo, along the crest and eastern slope of the Inyo Mountains.

### **Nationally Significant Values:**

**Cultural:** Cerro Gordo and its mining operations were critical in the development of Los Angeles; without Cerro Gordo revenue, Los Angeles would not be the second most populous city in the United States and the hub of international and national trade, finance, and culture that it is today. The area will provide an opportunity to research the role Cerro Gordo played in the Owens Valley resource wars, answer questions about the ethnicity of charcoal makers, and allow for the examination of the prehistoric and historic lifeways of the Native American people who used this area. The NLCS designation for this area would protect the viewshed of the Owens and Saline Valleys – as well as the Malpais Mesa and Inyo Mountains Wilderness Areas - and allow for ongoing research in this undisturbed location.

**Ecological:** The expanded ACEC has a unique assemblage of plant communities since it lies at the eastern edge of the Mojave Desert and the western edge of the Great Basin. The area supports creosote scrub and silver cholla, Joshua tree and pinyon–juniper woodlands, as well as sagebrush ecosystems. The area is known to contain many unique and sensitive plant species, including *Perityle inyoensis*, *Caulostramina jaegeri*, *Eriogonum eremicula*, and *Eriogonum microthecium*.

**Special Designations/Management Plan/Date:** Designated ACEC in CDCA Plan, 1980, Cerro Gordo ACEC Management Plan 8/15/1990 (CA-060-ACEC-05)

**Relevance and Importance Criteria:** Relevant cultural values and rare plant and animal species and habitat found in the area. Most of the cultural resources Identified have been associated with the Cerro Gordo Mining District. Four rare plant species have been located on the limestone outcrops along the crest of the Inyo Mountains. This area contains habitat for special status species such as the Townsend Western Big-eared Bat, Big Horned Sheep, and Burro Mule Deer. The northern and southern ends of the ACEC are within the former Cerro Gordo Peak WSA. Desert mining features provide habitat for special status bat species

### **Expansion Area (as discussed in all of the action alternatives)**

This ACEC would be an expansion of the existing Cerro Gordo ACEC to include culturally and biologically sensitive areas east of the Inyo crest and south in Conglomerate Mesa.

The new ACEC, Conglomerate Mesa, would include additional mining structures and features that were privately owned in 1990 when the original ACEC was established, but that are now in public ownership. Cerro Gordo was the largest silver producing mine in Inyo County and provided much of the revenue required to build Los Angeles. While the town of Cerro Gordo is currently under private ownership, many of the surrounding mining features and structures are associated with early mining activity at Cerro Gordo and within the Cerro Gordo Mining District. They contribute to the significance of the mine and its historic mining district whose period of significance extends from 1865 to 1890. This period may be extended into the 1930's to encompass many depression era mining activities in the area.

Conglomerate Mesa in the southern Inyo Mountains has a unique collection of historic era mining features, particularly associated with early charcoal production for Cerro Gordo and smelters in the Owens Valley. Because of the inaccessibility of the mesa and limited to no off-highway vehicle use of the area, these sites, dated to 1868 are in excellent, undisturbed condition. The area is also identified in the ethnographic literature as being a traditional pinyon nut gathering location; this is evidenced by the presence of brush structures, lithic materials, and ceramics, dating to the contact period in the Owens Valley and earlier. The mining history of this area details battles between native groups and charcoal burners, who were competing for the pinyon resources in this area.

The expanded ACEC has a unique assemblage of plant communities since it lies at the eastern edge of the Mojave Desert and the western edge of the Great Basin. The area supports creosote scrub and silver cholla, Joshua tree and pinyon–juniper woodlands, as well as sagebrush ecosystems. The old mines east of Cerro Gordo provide bat habitat. Conglomerate Mesa provides good upland game bird habitat and in winter, mule deer habitat. The mesa is a scenic, roadless area. It provides outstanding recreational opportunities for hiking, hunting, and backpacking.

**Grazing Allotment:** This unit overlaps with the Hunter Mountain Lee Flat Allotment.

**Overarching Goals:** To provide protection to cultural resources, rare plant and animal species, and habitat.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative: Cerro Gordo**

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	9,000	0	NA
Preferred Alternative	9,736	10,375	0	1%
1	9,700	10,400	0	1%
2	10,400	10,400	0	1%
3	9,700	10,400	0	1%
4	9,700	10,400	0	1%

\* Acreage values are for BLM managed lands

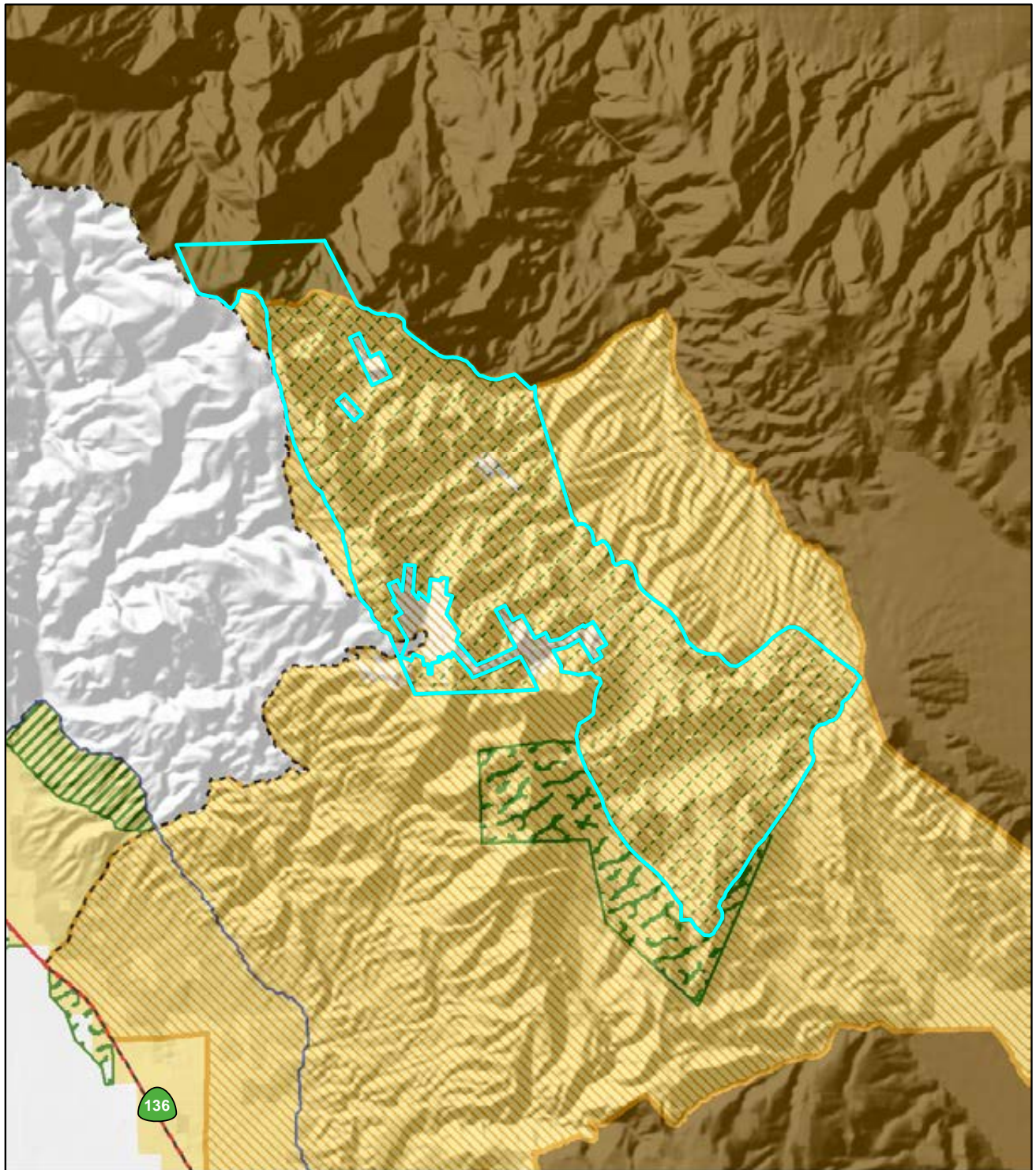
<b>Designation and Acreage by Alternative:</b>		<b>Conglomerate Mesa</b>		
<b>Alternative</b>	<b>BLM Acres of NLCS within ACEC or Wildlife Allocation</b>	<b>BLM Acres within ACEC</b>	<b>BLM Acres within Wildlife Allocation</b>	<b>ACEC Disturbance Cap</b>
No Action	0	0	0	NA
Preferred Alternative	1,725	1,725	0	0.10%
1	1,700	1,700	0	0.10%
2	1,700	1,700	0	0.10%
3	1,700	1,700	0	0.10%
4	1,700	1,700	0	0.10%
<b>* Acreage values are for BLM managed lands</b>				
<b>Objectives (desired future condition)/Allowable Uses/Management Actions</b>			<b>Resource</b>	
<p>Objective: Protect springs in a natural state and enhance wildlife habitat</p> <p>Management Actions  Allow for natural fire regime  Introduce artificial water sources to prevent further</p> <p>Action Alternatives:  Objective: Minimize soil disturbance and prevent accelerated erosion caused by human activities.  Prevent air quality degradation related to human activities.</p> <p>Allowable uses: Restrict development activities where soils are susceptible to heightened risk of erosion</p> <p>Management Actions: Ensure soils to 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.</p> <p>Objective: Protect the quantity and quality of existing water resources, protect groundwater from contamination.</p> <p>Allowable Uses: Existing water rights</p> <p>Management Action: Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are function and</p>			Soil, water, air	

<p>achieving physical and biological objectives.  Monitor Proper Functioning Condition and restore natural flow stream morphology when needed  Monitor water uses</p>	
<p>Objective: Protect rare plants species and sensitive vegetation communities  Action Item 1: Prohibit collection of rare plant species by increasing patrol and proper signing as funding allows.  Action Item 2: Conserve Joshua tree woodland by monitoring population trends, removing and/or preventing threats, and taking remedial actions when impacts occur.</p> <p>In addition to the No Action Objectives, all Action Alternatives add the following objects and actions:  The area is known to contain Joshua tree woodland and many unique and sensitive plant species, such as Ripley’s <i>Cymopterus (Cymopterus ripleyi)</i>, Inyo rock daisy (<i>Perityle inyoensis</i>), cliffdweller (<i>Caulostramina jaegeri</i>), Telescope Peak buckwheat (<i>Eriogonum eremicola</i>), and slender buckwheat (<i>Eriogonum microthecium</i>).  It is probable that more sensitive species exist here since few surveys have been conducted. The area needs to be more thoroughly inventoried for rare plants and unusual plant assemblages so these can be protected.</p> <p>Maintain intact vegetation communities for sensitive species and prevent fragmentation.</p>	<p>Vegetation (incl. special status species)</p>
<p>Objective: Protect and preserve special status species and their habitat including the Big-horned Sheep, Mule Deer, and the Townsend Big-eared Bat.  Action Item 1: Prohibit closure of existing adits except by BLM gating techniques  Install bat gates on existing mine openings (adits, shafts).  Action Item 2: Eliminate potential impacts to native and sensitive species through control of burros and feral goats.</p> <p>Objective: Prohibit collection of rare animals  Action: Proper signing and increase compliance with resource protections</p> <p>Objective: Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>Northern Sagebrush Lizard (<i>Sceloporus graciosus graciosus</i> ) BLM Sensitive  Burrowing Owl (<i>Athene cunicluria</i>) BLM Sensitive  Le Conte’s Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern  Nelson’s Bighorn Sheep (<i>Ovis canadensis nelsoni</i> ) BLM Sensitive  Northern goshawk (<i>Accipiter gentilis</i>) BLM Sensitive  Many sensitive species of bats  Action Item 1: Prevent habitat fragmentation and retain connectivity for wildlife movement by limiting off-highway vehicle use to designated routes in accordance to local travel management plan and development.</p>	<p>Fish and Wildlife (incl. special status species)</p>

<p>See programmatic ACEC cultural resources objective and action items in general cultural resources rules. Continue management objectives set forth in the initial Cerro Gordo ACEC Management Plan</p> <p>Objective: Protect and preserve cultural resources for scientific and interpretive values.</p> <p>Allowable Uses: Scientific research, Interpretation</p> <p>Management Actions: Explore options for an agreement with owners of private land for protection and preservation.</p> <p>Explore options for an agreement with mining claimants to clarify their legal rights to protect cultural resources.</p> <p>Restrict or withdraw the newly expanded Conglomerate Mesa area, where Native American sites and charcoal camps are still in pristine condition, from mineral development.</p>	<p>Cultural Resources</p>
<p>This area is classified as a VRM Class II. Objective: Retain the existing character of landscape and VRM Class II designation</p> <p>Management Actions The level of acceptable change to the characteristic landscape is low.</p>	<p>Visual Resources</p>
<p>Objective: Provide for the use of the designated travel system to provide access to the public lands while protecting the significant values of the area. Allowable uses: Motorized, non-motorized, non-mechanized limited to designated routes only.</p> <p>Management Action: Action Item 1: limit off-highway vehicle use to designated routes as per the local Travel Management plan.</p> <p>Action Item 2: Designated routes will be signed and managed in accordance to the local Travel Management Plan, as funding allows. Un-authorized routes will be rehabilitated/restored as funding allows.</p> <p>Action Item 3: As funding allows, produce updated publicly available maps that show the designated roads and trails within the management area.</p> <p>Action Item 4: As funding allows, provide routine maintenance of the designated roads and trails system including but not limited to installing signs, markers, culverts, ditches, waterbars, gates, cattleguards, vegetation removal on/or adjacent to system roads and trails.</p>	<p>Trails and Travel Management</p>



<p>Develop interpretive materials for ACEC/ cultural resources/ rare species</p> <p>All Action Alternatives add the following: Objective: Provide recreation opportunities that are consistent with resource protection.</p> <p>Objective: Provide dispersed opportunities for the enjoyment of the area attributes</p> <p>Allowable Uses: OHV Limited, following the Travel Management Plan; camping and dispersed recreation</p> <p>Management Actions: All historic structures must be fully inventoried and evaluated by qualified cultural resource specialist before allowable use by the public is determined.</p> <p>Delineate parking and camping areas where resource impacts are minimized</p> <p>Maintain signs, vehicle barriers, and install interpretive kiosks</p>	<p>Recreation</p>
<p>Allocation: Overhead powerline, communication sites and access roads</p> <p>Objective: Provide for existing ROWs while protecting the sensitive resources</p> <p>Allowable Uses: Exclusion zone for site ROW</p> <p>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.</p>	<p>Rights of Way</p>
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	<p>Renewable Energy</p>
<p>Allocation: restricted mineral exploration and development</p> <p>Existing mining proposals and any future proposals will be analyzed on a case-by-case basis and cumulatively, to assess whether they can be accommodated within the ACEC and its management goals.</p>	<p>Locatable Minerals Mineral Materials Non-energy Leaseables</p>
<p>A part of this ACEC is within the Hunter Mountain Lee Flat grazing allotment. Grazing will continue to be authorized in the overlap area and is governed by federal regulations including the achievement of standards and guidelines.</p>	<p>Livestock grazing</p>

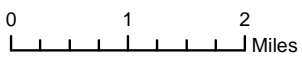


Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- DRECP Boundary
- CDCA Boundary
- Bureau of Land Management
- Land Status

**ACEC Boundaries**

- 0.1% Disturbance Cap
- 0.25% Disturbance Cap
- 1% Disturbance Cap

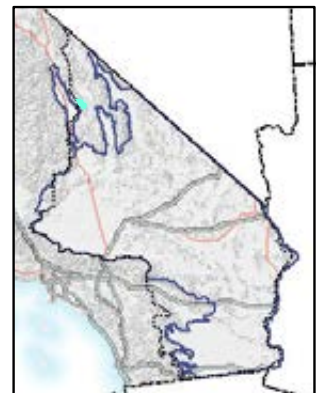


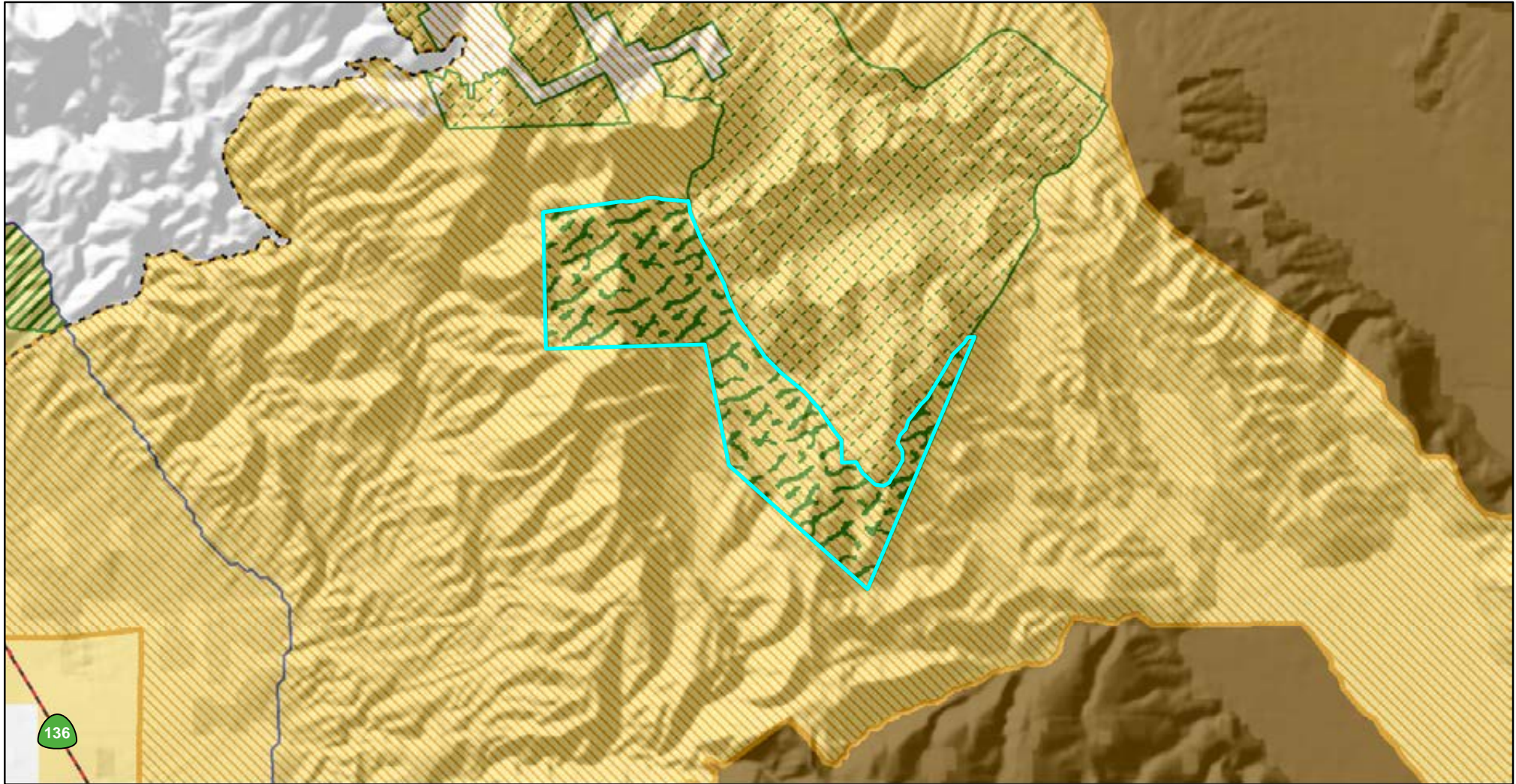
**Cerro Gordo**

6/25/2015



Draft Map Boundaries Subject to Change



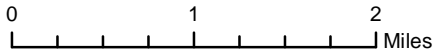


Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- DRECP Boundary
- CDCA Boundary
- Bureau of Land Management

ACEC Boundaries

- 0.1% Disturbance Cap
- 0.25% Disturbance Cap
- 1% Disturbance Cap

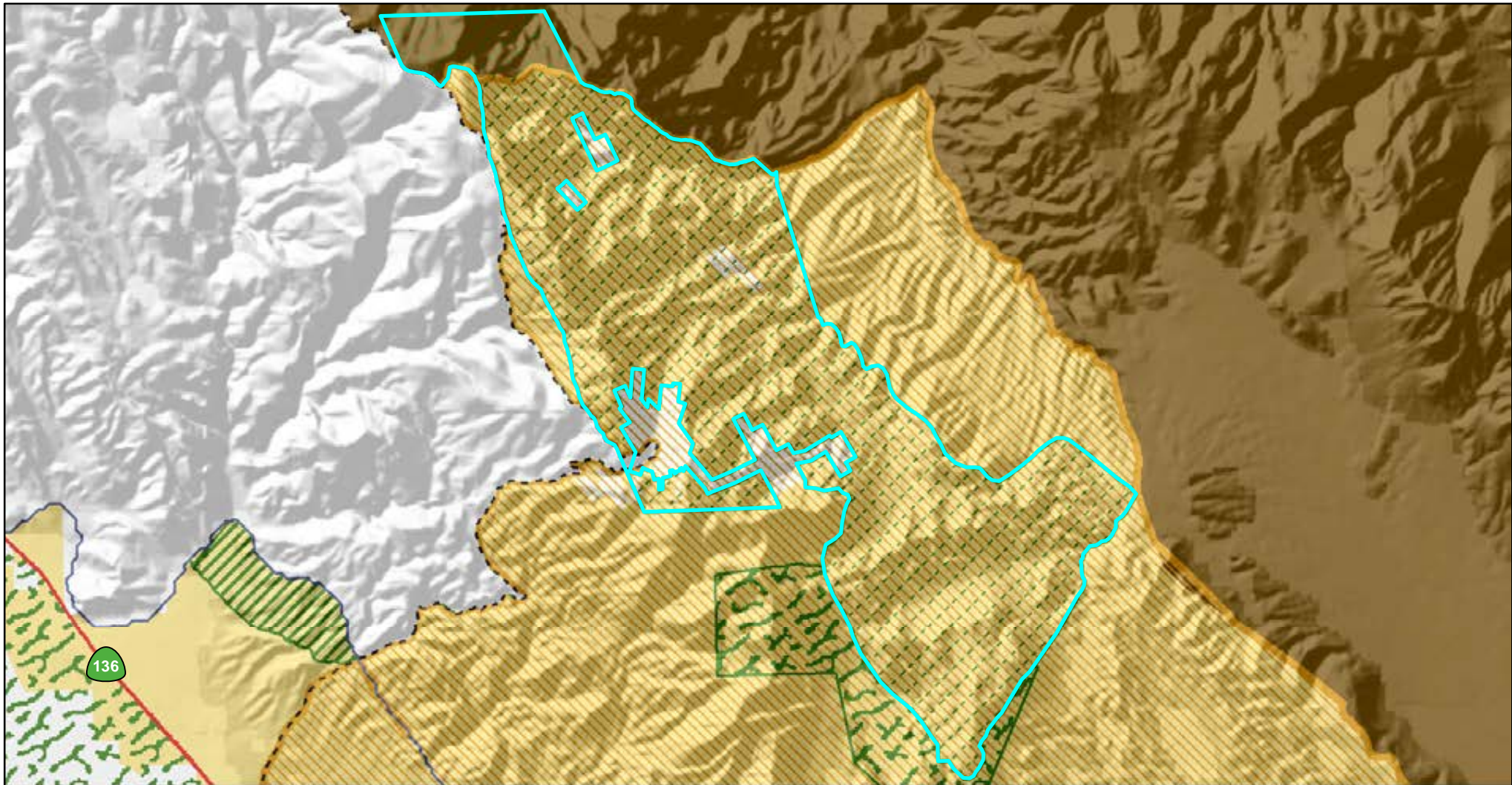


Conglomerate Mesa

7/2/2015

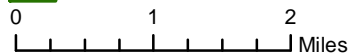
Draft Map Boundaries Subject to Change





**Conservation Footprint**

- |   |                            |                           |
|---|----------------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary              | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  |                            |                           |
| 0.1% Disturbance Cap                    | <b>Renewable Footprint</b> |                           |
| 0.25% Disturbance Cap                   | Variance Lands             |                           |
| 1% Disturbance Cap                      |                            |                           |

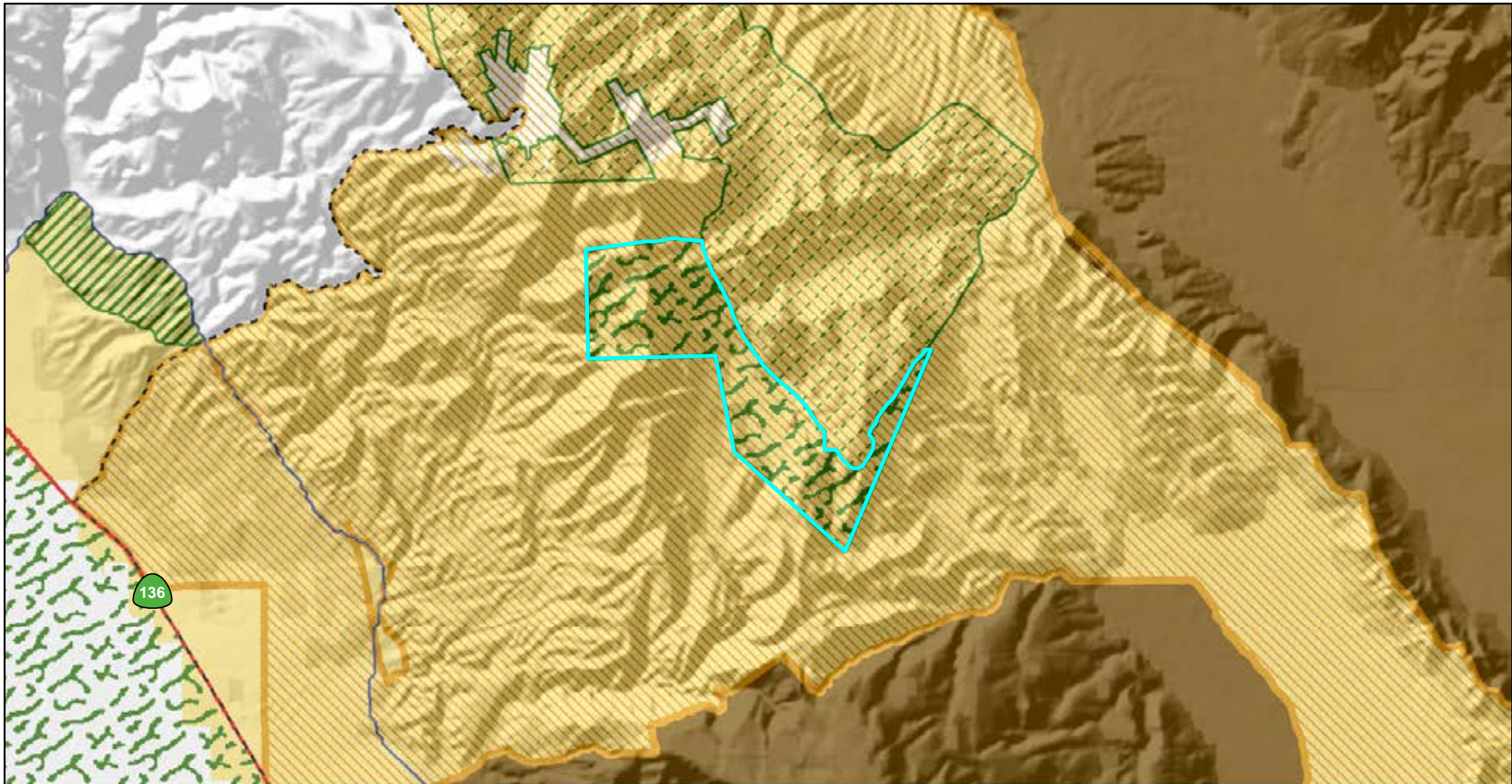


**Cerro Gordo  
Alternative 1**

8/25/2015

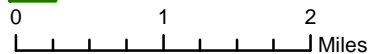
Draft Map Boundaries Subject to Change





**Conservation Footprint**

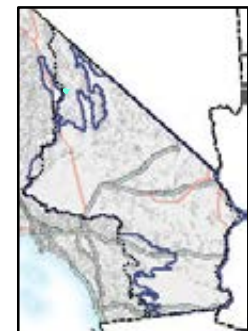
- |   |                |                            |
|---|----------------|----------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | <b>Land Status</b>         |
| National Conservation Lands             | CDCA Boundary  | Bureau of Land Management  |
| <b>ACEC Boundaries</b>                  |                | <b>Renewable Footprint</b> |
| 0.1% Disturbance Cap                    | Variance Lands |                            |
| 0.25% Disturbance Cap                   |                |                            |
| 1% Disturbance Cap                      |                |                            |

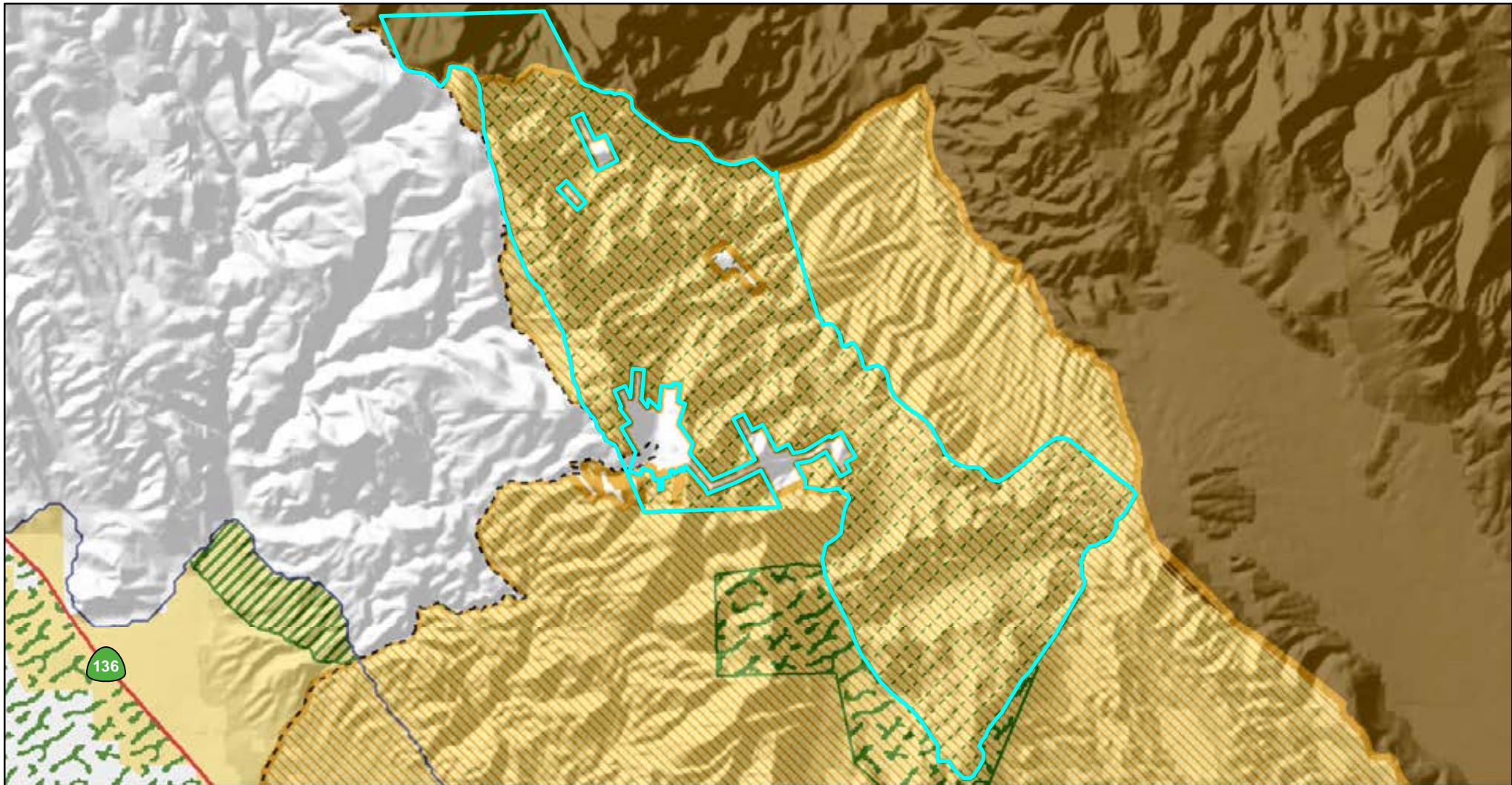


**Conglomerate Mesa  
Alternative 1**

8/25/2015

Draft Map Boundaries Subject to Change






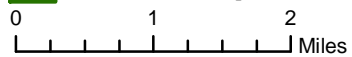


**Conservation Footprint**

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |

**ACEC Boundaries**

-  0.1% Disturbance Cap
-  0.25% Disturbance Cap
-  1% Disturbance Cap



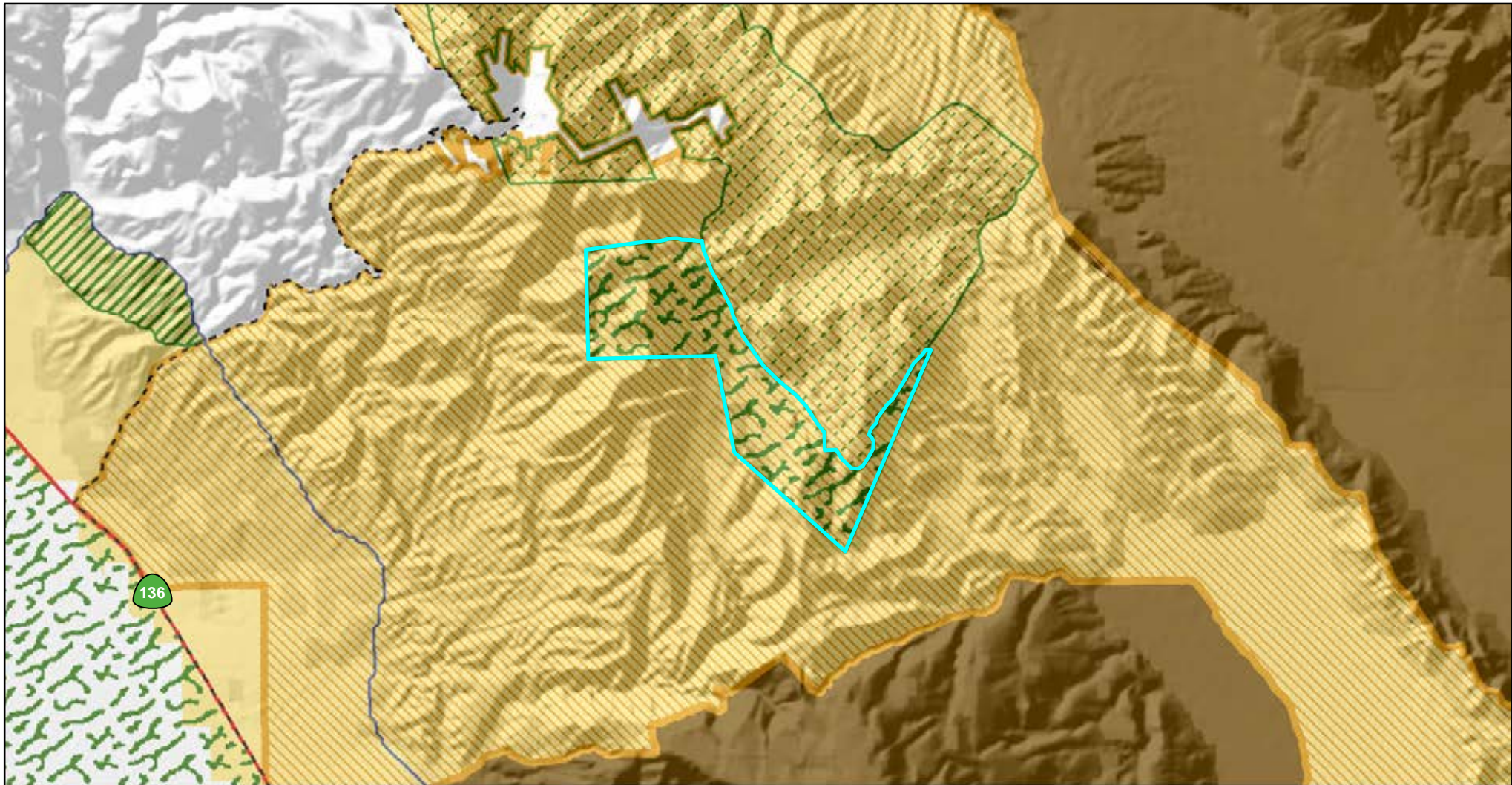
**Cerro Gordo**

**Alternative 2**

8/26/2015

Draft Map Boundaries Subject to Change



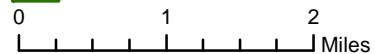


**Conservation Footprint**

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Bureau of Land Management
- DRECP Boundary
- CDCA Boundary
- Land Status

**ACEC Boundaries**

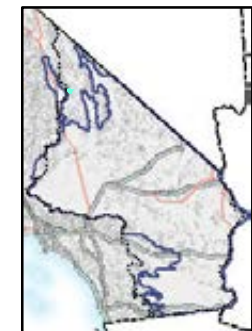
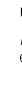
- 0.1% Disturbance Cap
- 0.25% Disturbance Cap
- 1% Disturbance Cap

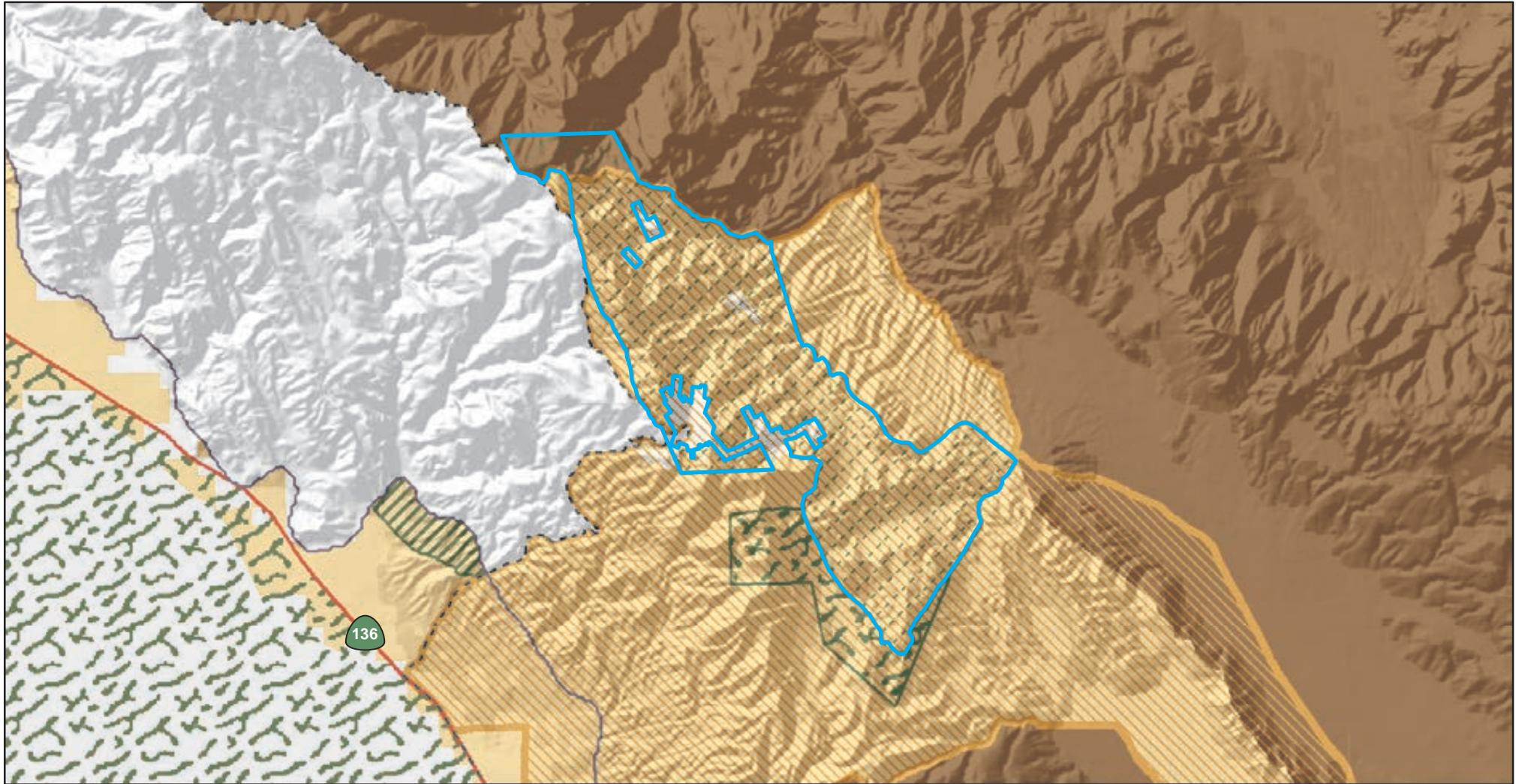


**Conglomerate Mesa  
Alternative 2**

8/26/2015

Draft Map Boundaries Subject to Change






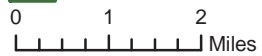


Conservation Footprint

- |  |   |   |                |   |                           |
|--|---|---|----------------|---|---------------------------|
|  | Legislatively & Legally Protected Areas |  | DRECP Boundary | <b>Land Status</b>  |                           |
|  | National Conservation Lands             |  | CDCA Boundary  |  | Bureau of Land Management |

ACEC Boundaries

-  0.1% Disturbance Cap
-  0.25% Disturbance Cap
-  1% Disturbance Cap



Cerro Gordo  
Alternative 3

8/26/2015

Draft Map Boundaries Subject to Change





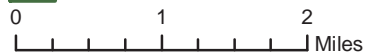


Conservation Footprint

- |   |                |                           |
|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | Land Status               |
| National Conservation Lands             | CDCA Boundary  | Bureau of Land Management |

ACEC Boundaries

- 0.1% Disturbance Cap
- 0.25% Disturbance Cap
- 1% Disturbance Cap

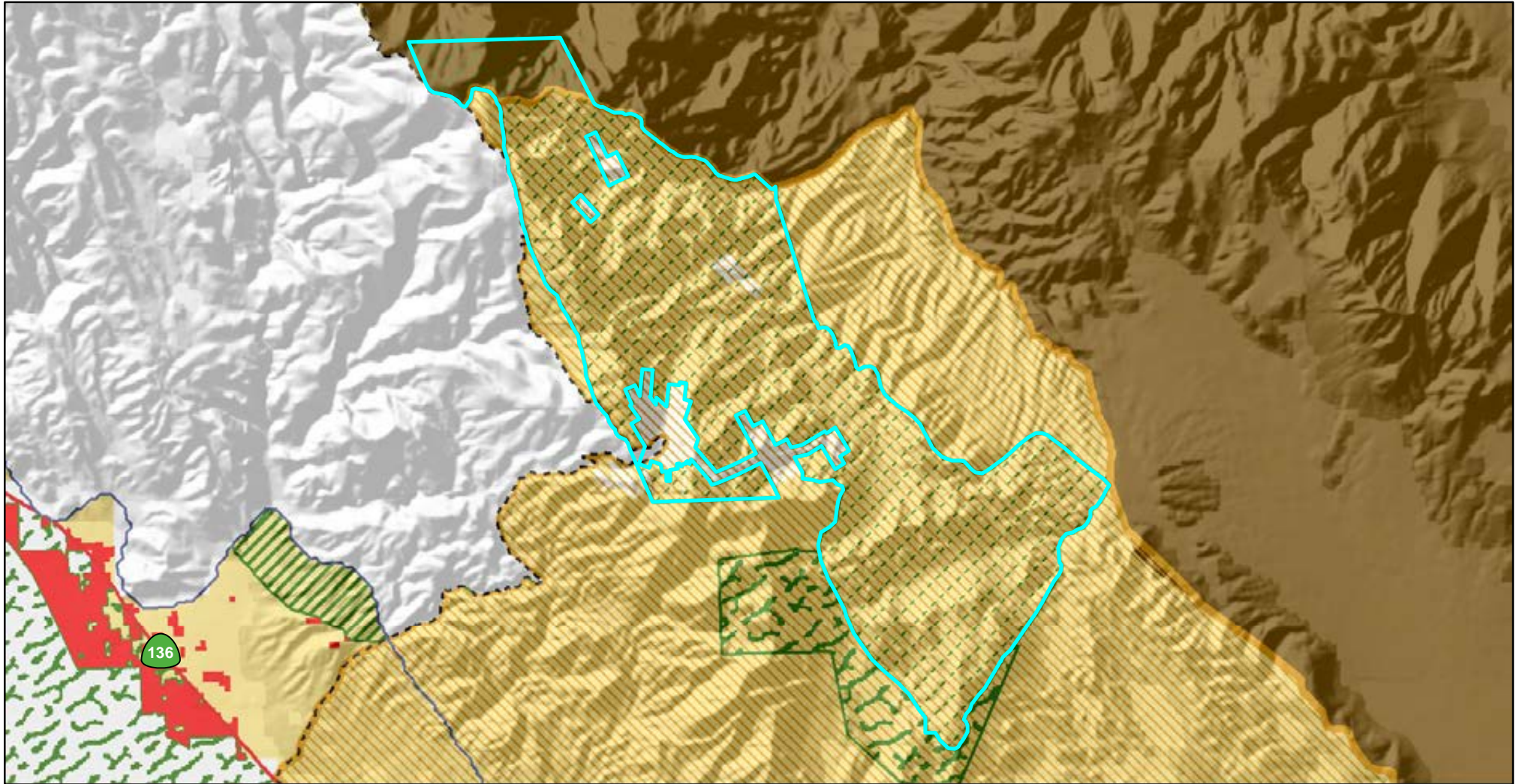


Conglomerate Mesa  
Alternative 3










8/26/2015

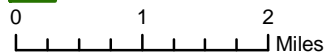
Draft Map Boundaries Subject to Change





**Conservation Footprint**

- |  |  |   |
|--|--|---|
|  National Conservation Lands             |  DRECP Boundary | <b>Land Status</b>  |
|  Legislatively & Legally Protected Areas |  CDCA Boundary  |  Bureau of Land Management |
| <b>ACEC Boundaries</b>   | <b>Renewable Footprint</b>   |   |
|  0.1% Disturbance Cap                    |  Variance Lands |   |
|  0.25% Disturbance Cap                   |  |   |
|  1% Disturbance Cap                      |  |   |

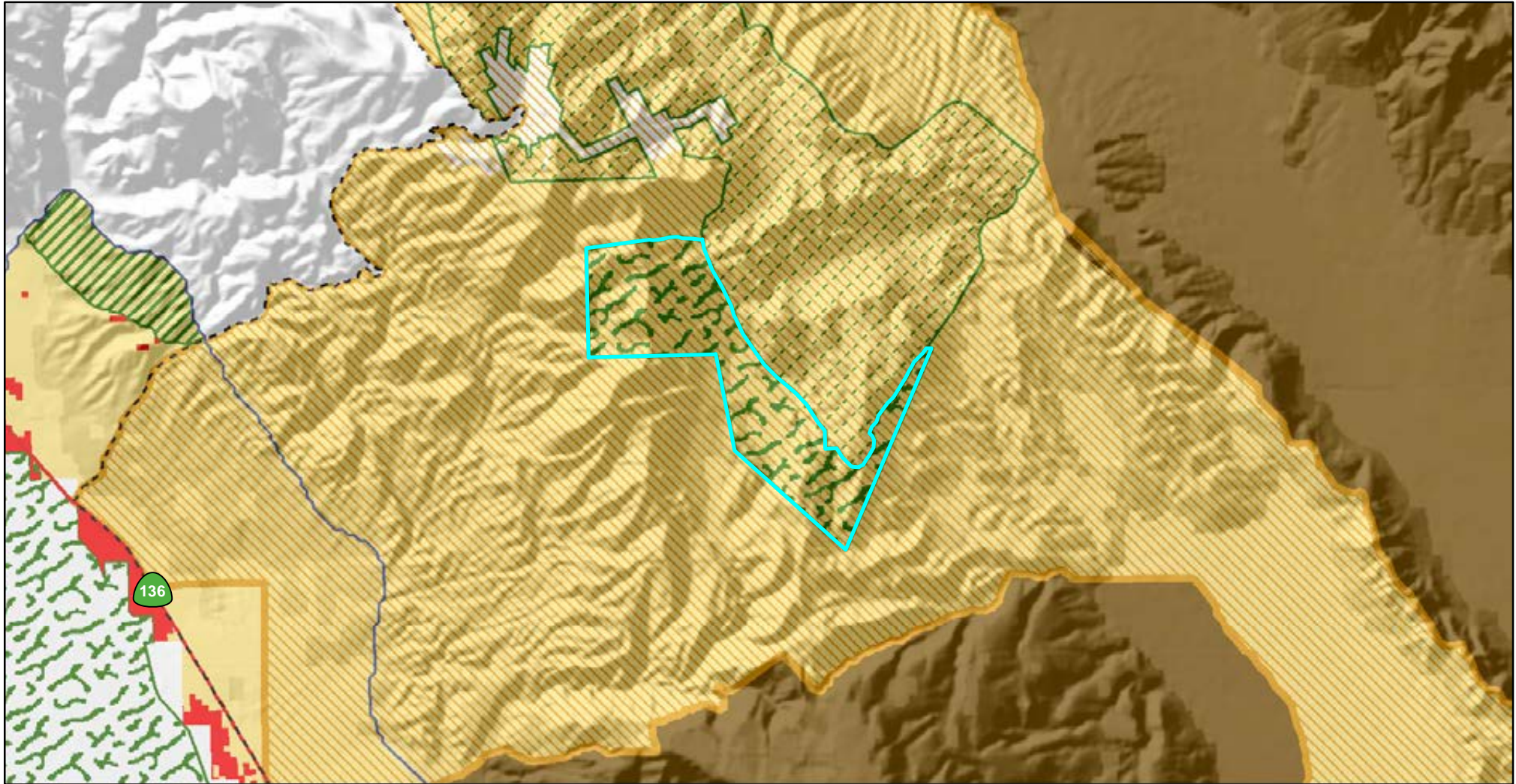


**Cerro Gordo  
Alternative 4**

8/27/2015

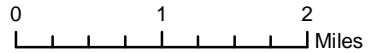
Draft Map Boundaries Subject to Change





Conservation Footprint

- |   |                            |                           |
|---|----------------------------|---------------------------|
| National Conservation Lands             | DRECP Boundary             | <b>Land Status</b>        |
| Legislatively & Legally Protected Areas | CDCA Boundary              | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  | <b>Renewable Footprint</b> |                           |
| 0.1% Disturbance Cap                    | Variance Lands             |                           |
| 0.25% Disturbance Cap                   |                            |                           |
| 1% Disturbance Cap                      |                            |                           |

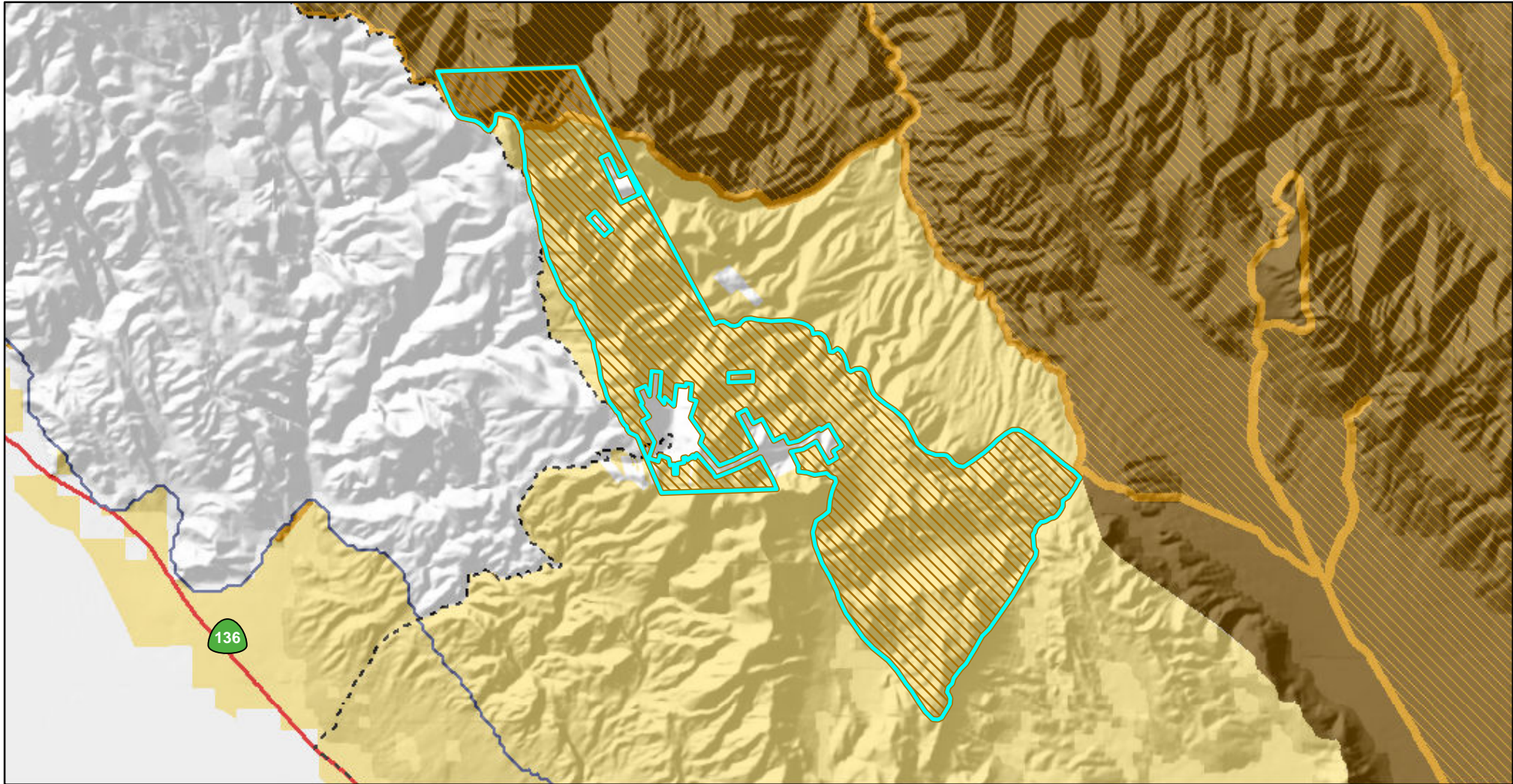


Conglomerate Mesa  
Alternative 4







8/27/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

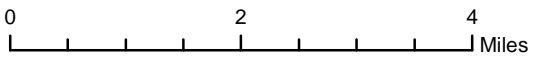
- |   |   |   |
|---|---|---|
|  Existing ACEC  |  National Conservation Lands             | <b>Land Status</b>  |
|  CDCA Boundary  |  Legislatively & Legally Protected Areas |  Bureau of Land Management |
|  DRECP Boundary |   |   |

**Cerro Gordo**

**No Action**

9/15/2015

Draft Map Boundaries Subject to Change



## Cerro Gordo Wilderness Study Area

**National Conservation Lands Ecoregion:** Not in CDCA

**Description/Location:** This unit is adjacent to the southern boundary of the Inyo Mountains Wilderness. It is located east of highway 136 and the community of Keeler and north of Cerro Gordo Road and the historic mining town of Cerro Gordo.

**Nationally Significant Values:** Not eligible for NCL proposal under PL 111-11 because it is not in CDCA.

**Special Designations/Management Plan/Date:** This unit is a 626 acre remnant of the Cerro Gordo Wilderness Study Area (CA-010-055) described in the California Statewide Wilderness Study Report (1990). The majority of the original unit (~ 13,500 acres) was included in the Inyo Mountains Wilderness which was established by Congress in the California Desert Protection Act of 1994.

**Relevance and Importance Criteria:** The Cerro Gordo unit supports wilderness characteristics related to naturalness and outstanding opportunities for solitude and primitive and unconfined recreation.

The unit is adjacent to the Inyo Mountains Wilderness and the primary access road to the historic mining town of Cerro Gordo. The unit contributes to both the naturalness and the outstanding opportunities for solitude and primitive and unconfined recreation in the southwest portion of the Inyo Mountains. The unit also contributes to the historic viewshed associated with the historic mining town of Cerro Gordo as observed from both the town site and its primary access road.

The unit also contributes to habitat connectivity for desert wildlife species.

### **Overarching Goals:**

Protect the natural and cultural values that contribute to opportunities for solitude and primitive and unconfined recreation.

Protect the natural and cultural values that contribute to the historic viewshed of the Cerro Gordo town site and primary access road.

Maintain and improve habitat and habitat connectivity for desert plant and animal species.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

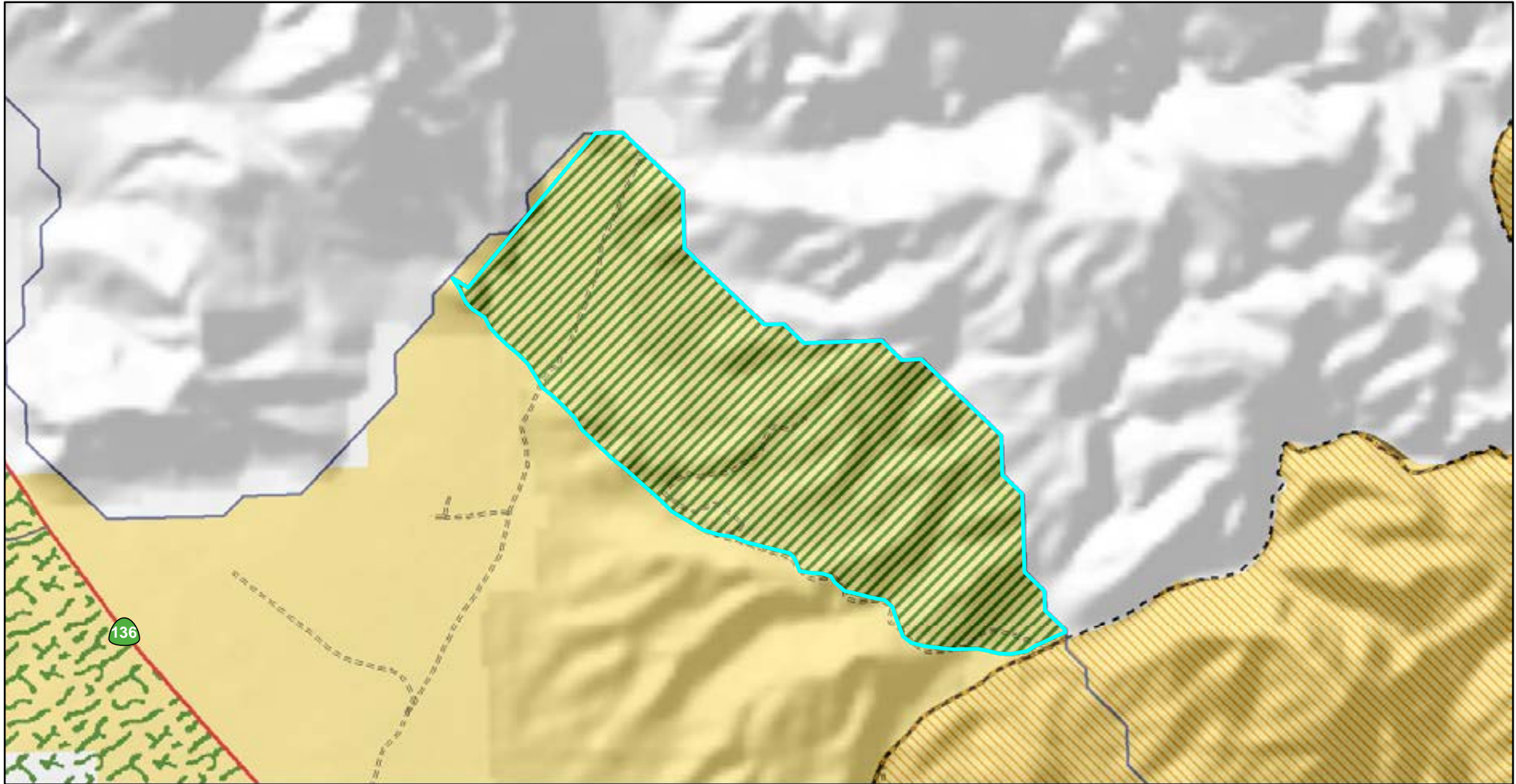
**Designation and Acreage by Alternative:**

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	626	0	0.25%
1	0	626	0	0.25%
2	0	626	0	0.25%
3	0	626	0	0.25%
4	0	626	0	0.25%

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

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Manage in accordance with current policy and RMP guidance.</p> <p>Allowable Uses: Treatments to maintain or improve native vegetation communities and special status species habitats are not subject to the ACEC disturbance cap.</p> <p>Management Actions: Design and implement treatments to maintain and improve native vegetation communities and special status species habitats.</p>	Vegetation - Including special status species
<p>Manage in accordance with current policy and RMP guidance.</p> <p>Allowable Uses: Projects and treatments to maintain or improve fish and wildlife habitats are not subject to the ACEC disturbance cap.</p> <p>Management Actions: Design and implement projects and treatments to maintain and improve fish and wildlife habitats.</p>	Fish and Wildlife - Including special status species
<p>Objective: Retain the appearance and setting of the historic landscape, as seen from the historic mining town of Cerro Gordo and Cerro Gordo Road.</p> <p>Allowable Uses: Uses that can be carried out without adversely affecting the integrity of the historic landscape as viewed from the Cerro Gordo and Cerro Gordo Road.</p> <p>Management Actions: Limit any activities that would alter the setting, context, or feel of the the historic landscape as viewed from the Cerro Gordo and Cerro Gordo Road.</p> <p>See programmatic ACEC cultural resources objective and action items in general resource rules.</p>	Cultural Resources
<p>Manage in accordance with current policy and RMP guidance.</p> <p>Allowable Uses: Vehicle travel is restricted to existing roads, routes and trails.</p>	Trails and Travel Management



<p>Management Actions: Allow maintenance of existing roads, routes and trails.</p>	
<p>No development.  Objective: Maintain natural and cultural values and integrity of large blocks of habitat.</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	<p>Renewable Energy</p>

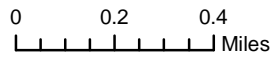


Conservation Footprint

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |

ACEC Boundaries

-  0.1% Disturbance Cap
-  0.25% Disturbance Cap



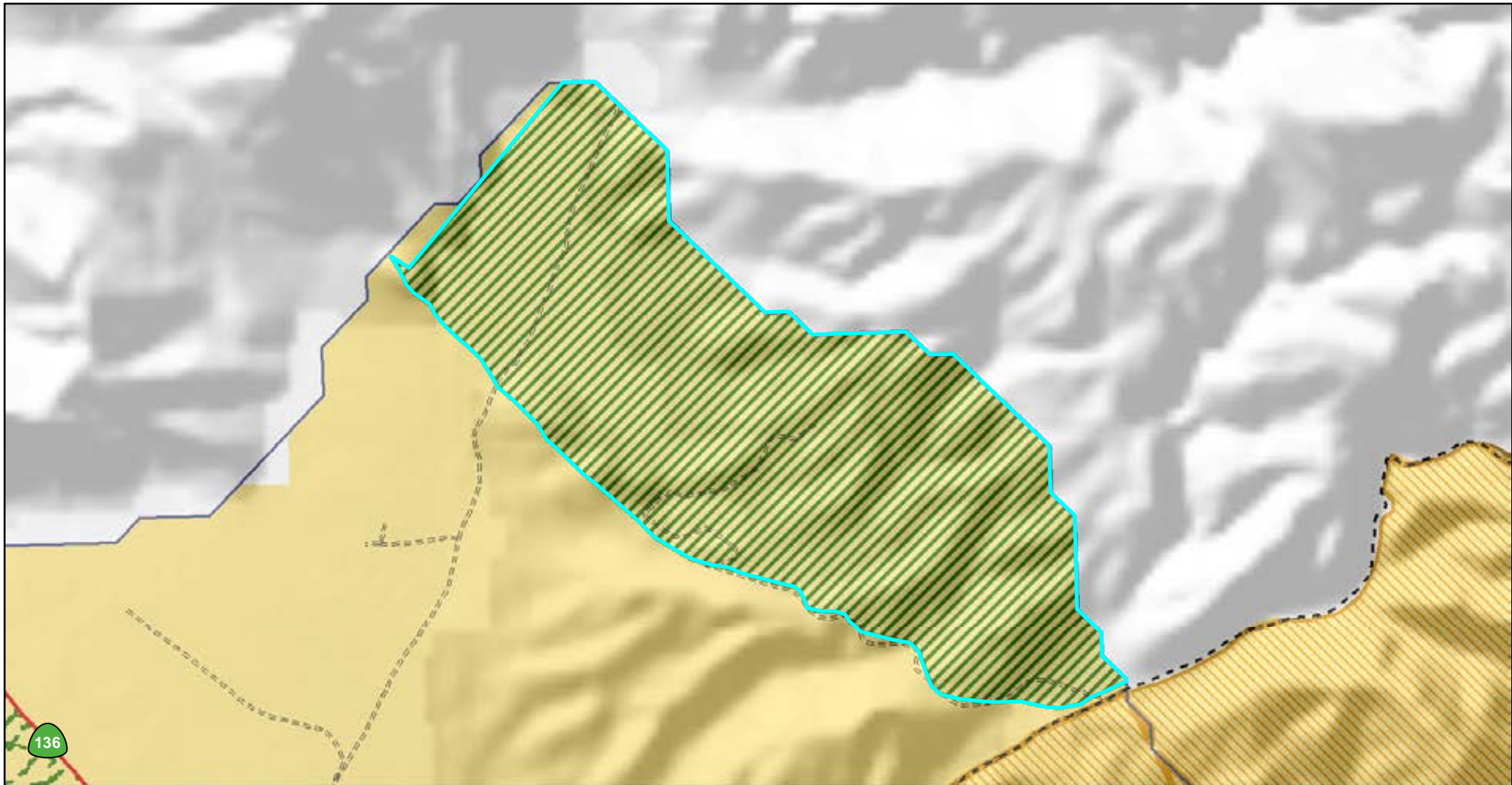
Cerro Gordo WSA

6/23/2015

Draft Map Boundaries Subject to Change







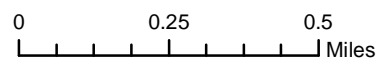


**Conservation Footprint**

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | <b>Land Status</b>  |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |

**ACEC Boundaries**

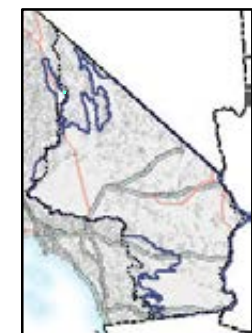
-  0.1% Disturbance Cap
-  0.25% Disturbance Cap

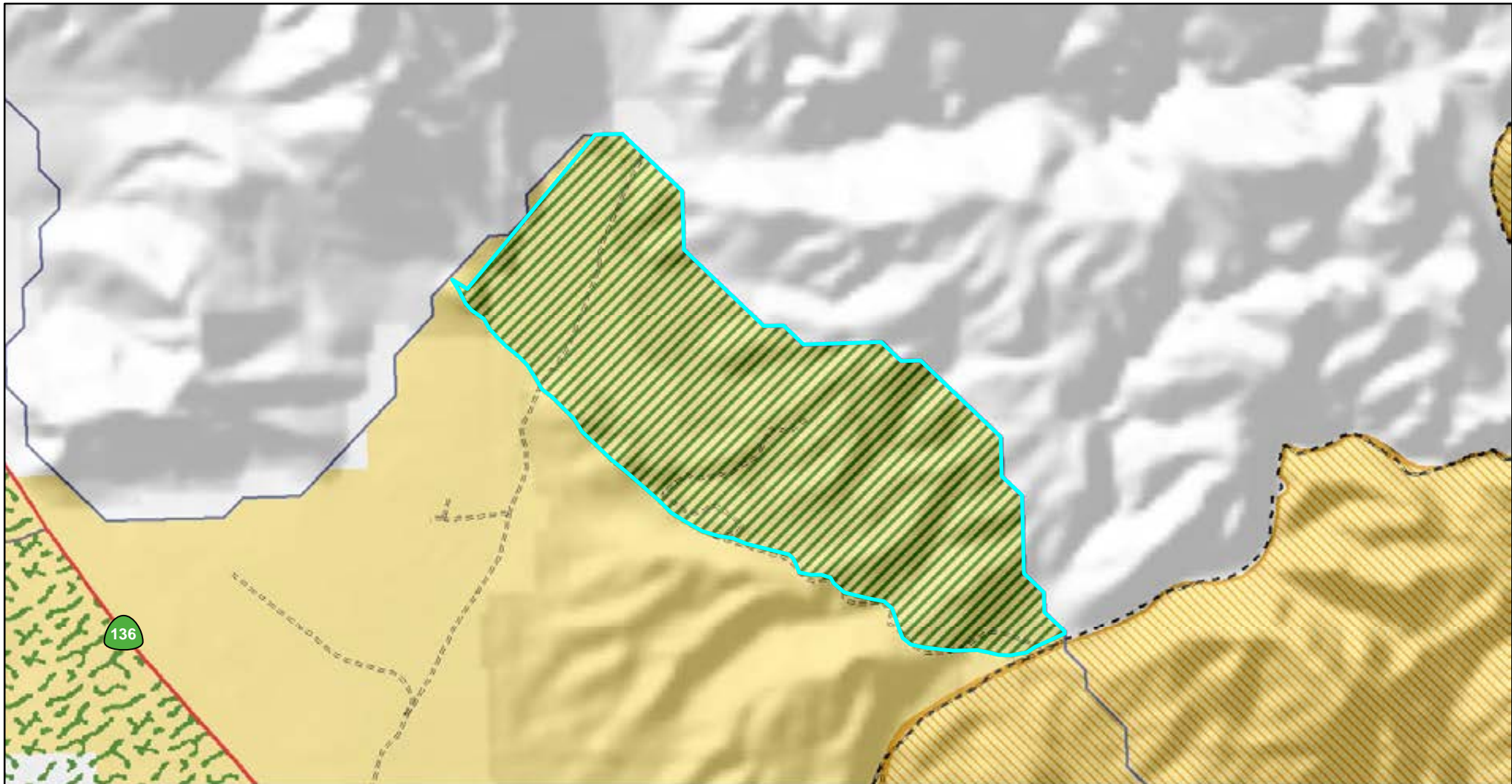


**Cerro Gordo WSA**  
Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change





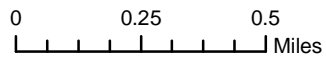


Conservation Footprint

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |

ACEC Boundaries

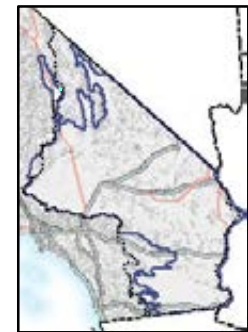
-  0.1% Disturbance Cap
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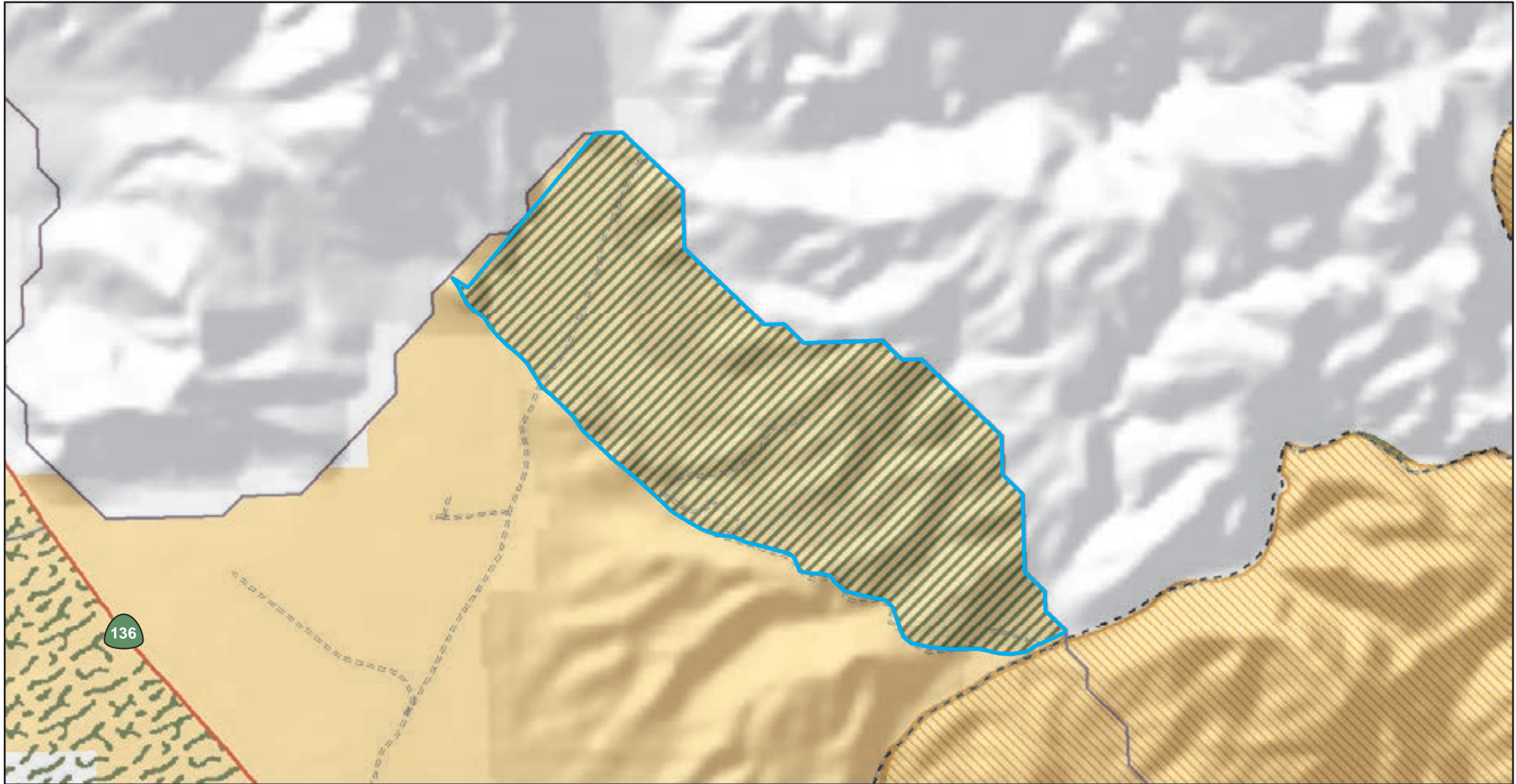


Cerro Gordo WSA  
Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change





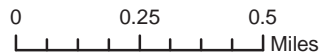


Conservation Footprint

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | <b>Land Status</b>  |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |

ACEC Boundaries

-  0.1% Disturbance Cap
-  0.25% Disturbance Cap

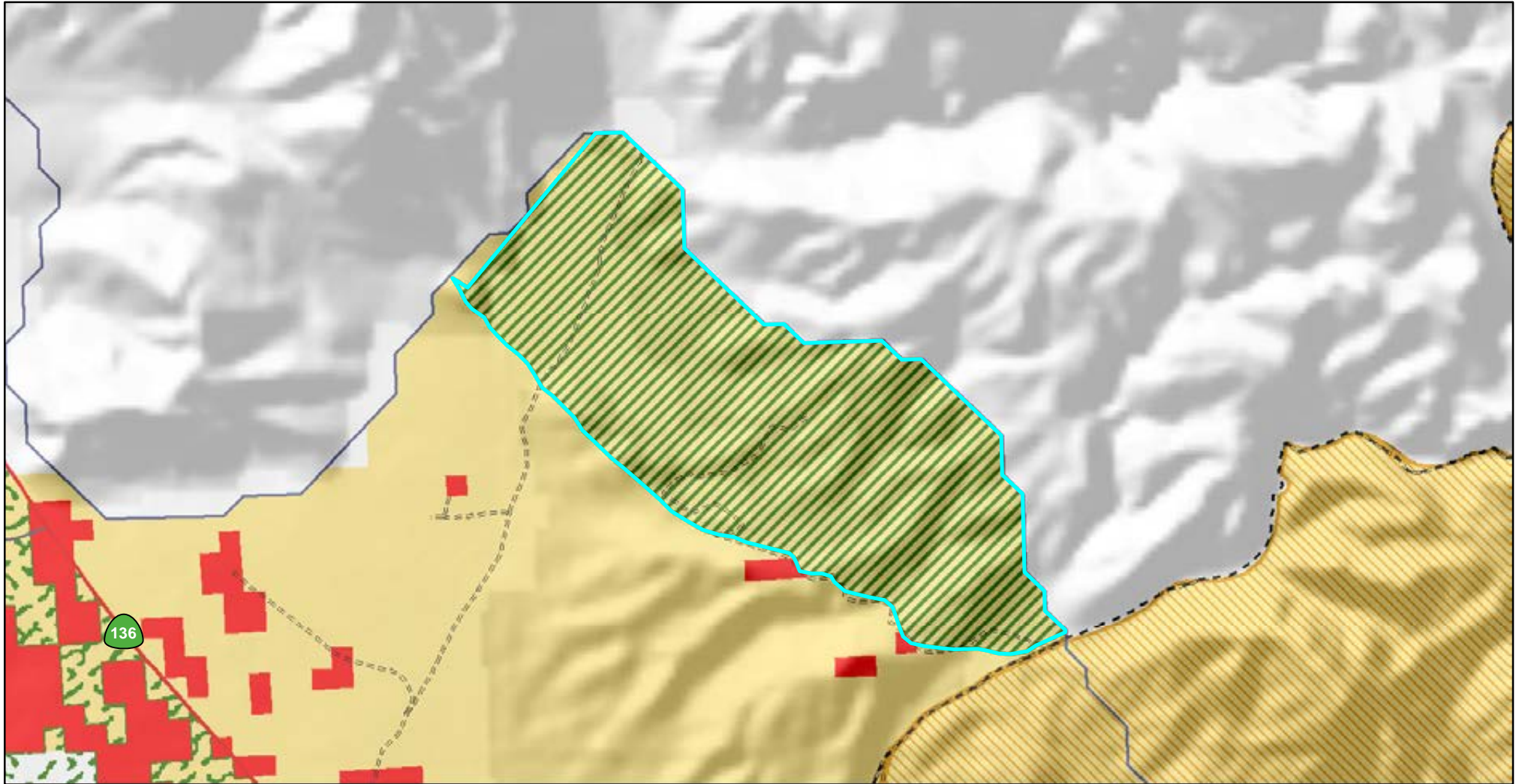


Cerro Gordo WSA  
Alternative 3









8/26/2015

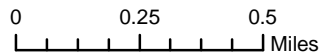
Draft Map Boundaries Subject to Change





Conservation Footprint

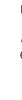
- |  |   |   |                |   |                           |
|--|---|---|----------------|---|---------------------------|
|  | National Conservation Lands             |  | DRECP Boundary | <b>Land Status</b>  |                           |
|  | Legislatively & Legally Protected Areas |  | CDCA Boundary  |  | Bureau of Land Management |
| <b>ACEC Boundaries</b>   |   | <b>Renewable Footprint</b>  |                |   |                           |
|  | 0.1% Disturbance Cap                    |  | Variance Lands |   |                           |
|  | 0.25% Disturbance Cap                   |   |                |   |                           |



Cerro Gordo WSA  
Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change



### Death Valley 17 Wilderness Study Area

**National Conservation Lands Ecoregions:** Basin and Range and Mojave and Silurian Valley

**Description/Location:** Located 27 miles northwest of Baker, California in San Bernardino County between Death Valley National Park and Fort Irwin Military Reservation.

**Nationally Significant Values:** Not proposed for NCLS, WSA designations are automatically included.

**Special Designations/Management Plan/Date:** WSA; Public Law 103-433; October 31, 1994

**Relevance and Importance Criteria:** Relevant and important resource values include prehistoric and historic cultural resources. Also provides regional habitat connection for wildlife including bighorn sheep.

**Overarching Goals:** Provide for the protection of cultural resources and landscape connectivity while providing for compatible public uses.

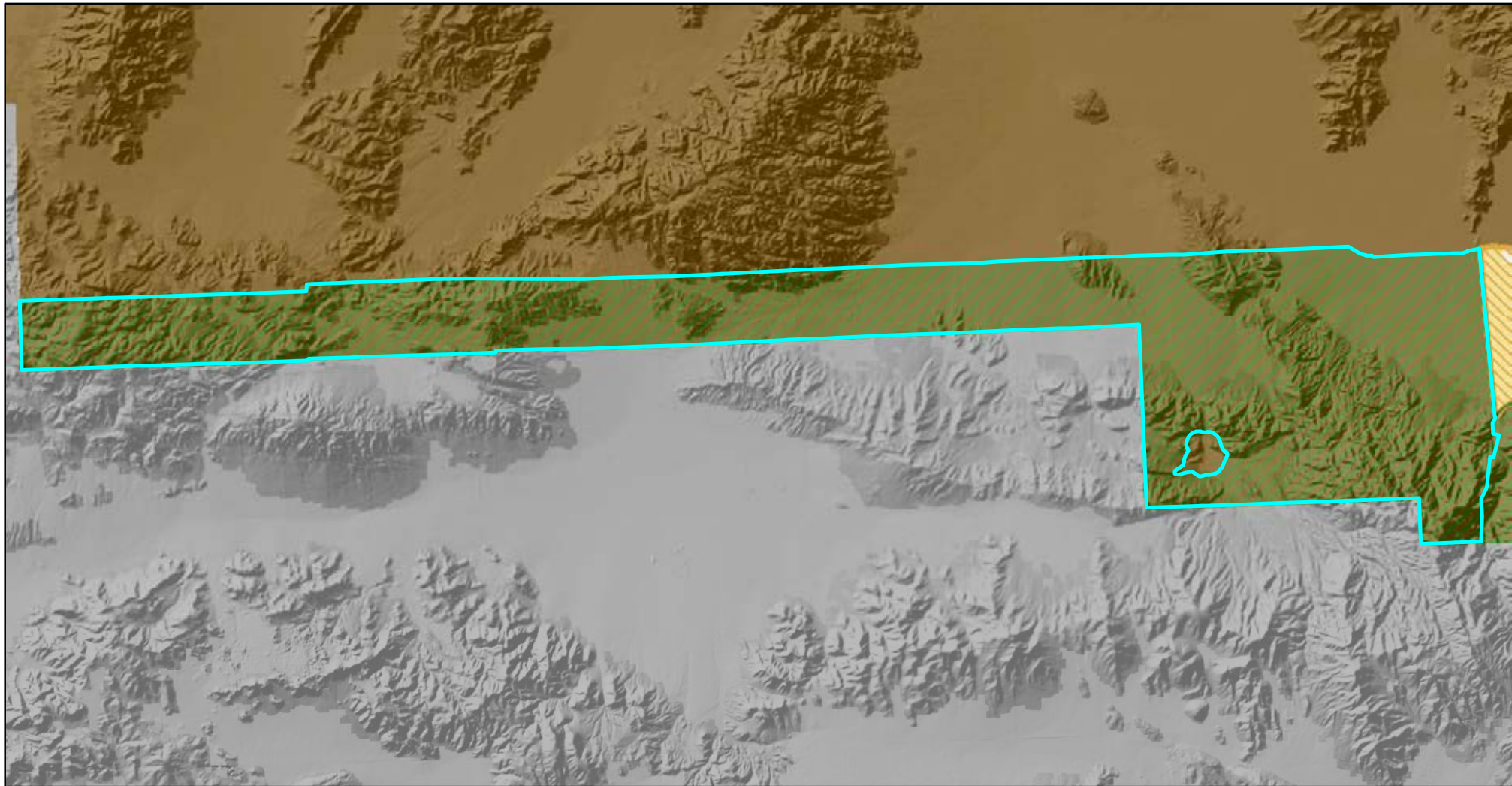
There are no additional management prescriptions beyond those identified in the CMAs included in Volume II of the Proposed LUPA and Final EIS.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

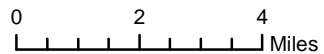
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	47,871	0	0.25%
1	0	47,871	0	0.25%
2	0	47,871	0	0.25%
3	0	47,871	0	0.25%
4	0	47,871	0	0.25%

\* Acreage values are for BLM managed lands



**Conservation Footprint**

- |   |                |                           |
|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary  | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  |                | Department of Defense     |
| 0.25% Disturbance Cap                   |                |                           |
| 1% Disturbance Cap                      |                |                           |

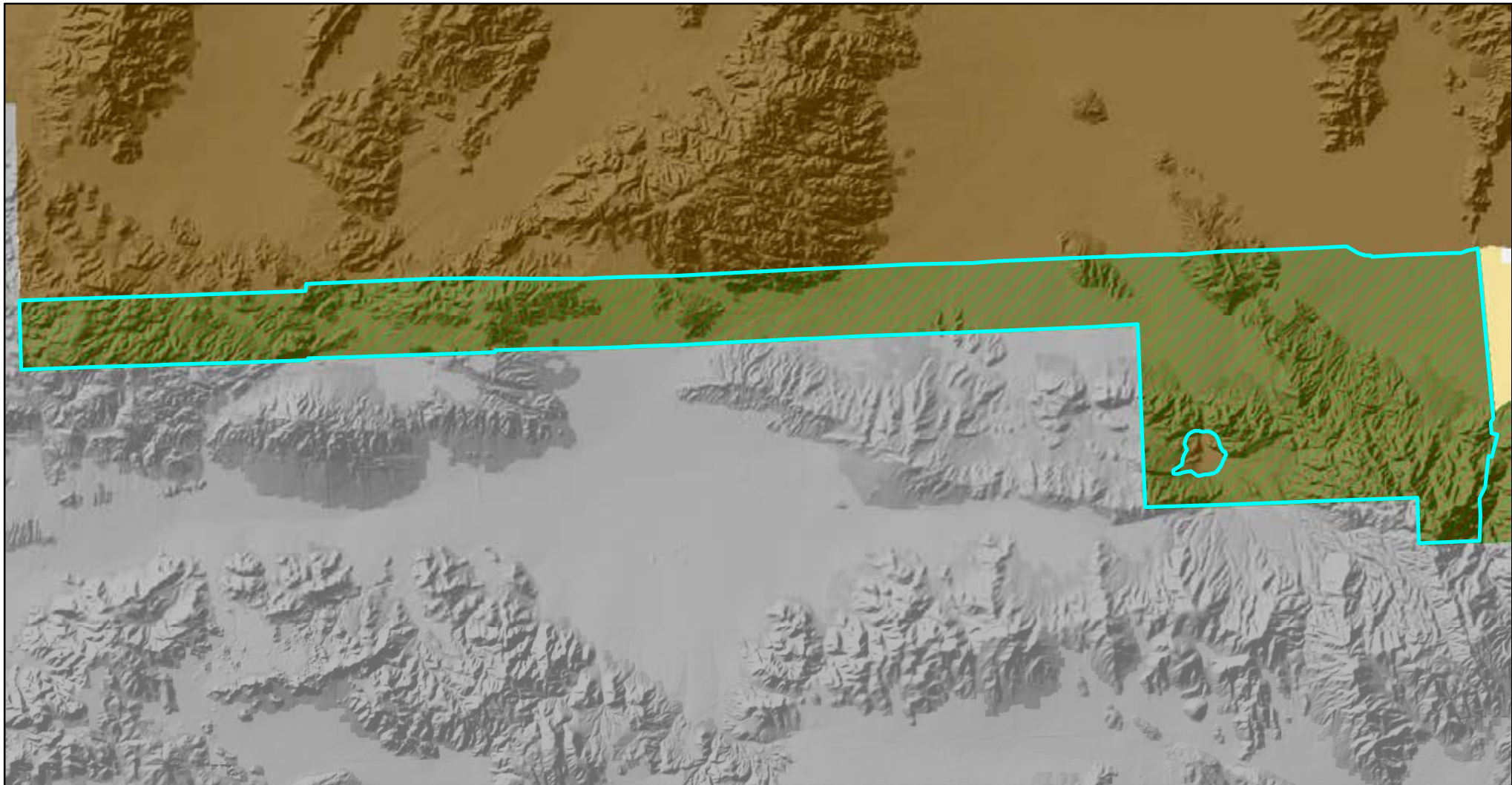


**Death Valley 17 WSA**

6/24/2015

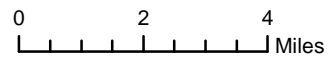
Draft Map Boundaries Subject to Change





**Conservation Footprint**

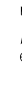
- |   |                |                           |
|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | <b>Land Status</b>        |
| <b>ACEC Boundaries</b>                  | CDCA Boundary  | Bureau of Land Management |
| 0.25% Disturbance Cap                   |                | Department of Defense     |
| 1% Disturbance Cap                      |                |                           |



**Death Valley 17 WSA  
Alternative 1**

8/25/2015

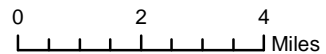
Draft Map Boundaries Subject to Change





**Conservation Footprint**

- |   |                |                           |
|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary  | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  |                | Department of Defense     |
| 0.25% Disturbance Cap                   |                |                           |
| 1% Disturbance Cap                      |                |                           |



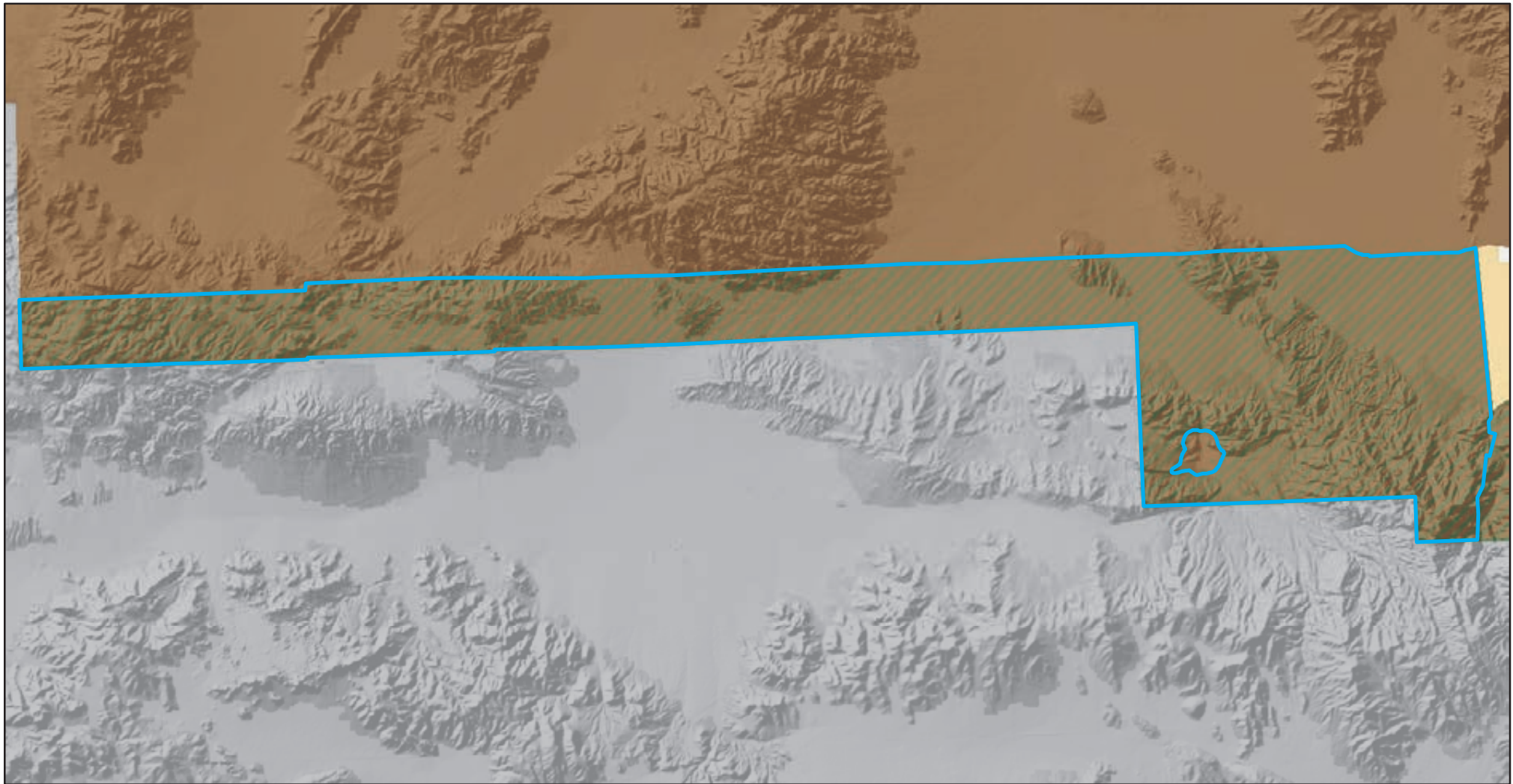
**Death Valley 17 WSA  
Alternative 2**

8/26/2015

Draft Map Boundaries Subject to Change







Conservation Footprint

- |   |                       |                           |
|---|-----------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary        | <b>Land Status</b>        |
| <b>ACEC Boundaries</b>                  | CDCA Boundary         | Bureau of Land Management |
| 0.25% Disturbance Cap                   | Department of Defense |                           |
| 1% Disturbance Cap                      |                       |                           |

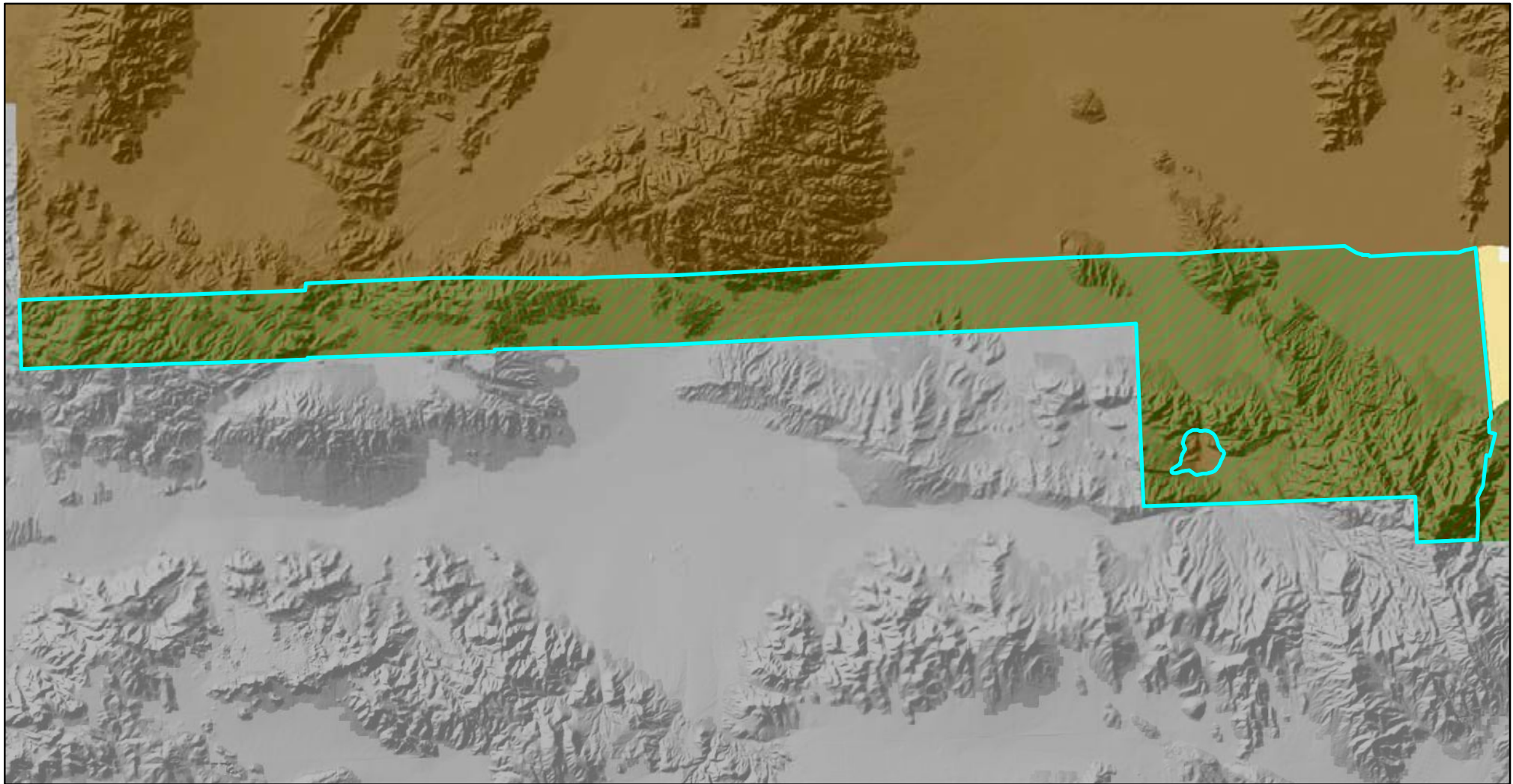
0 1 2  
 Miles

Death Valley 17 WSA  
 Alternative 3

8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- |   |                            |                           |
|---|----------------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             | <b>Land Status</b>        |
| <b>ACEC Boundaries</b>                  | CDCA Boundary              | Bureau of Land Management |
| 0.25% Disturbance Cap                   | <b>Renewable Footprint</b> | Department of Defense     |
| 1% Disturbance Cap                      | Variance Lands             |                           |

0 1 2  
 Miles

Death Valley 17 WSA  
 Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change



## Fossil Falls

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Located in the southernmost section of Owens Valley, in what is commonly known as Rose Valley. It is flanked on the western edge by the Sierra Nevada Mountains and on the east by the Coso Range and Coso Volcanic Field. The northern edge is the prominent cinder cone known as Red Hill and the southern boundary is the point of greatest constriction between the Coso Range and the Sierra Nevada Mountains, and includes Little Lake.

**Nationally Significant Values:**

**Cultural:** The national cultural significance for this area is determined by the listing of the district on the National Register of Historic Places. The rock art at Fossil Falls mirrors the type and style of the Coso Rock Art District, a National Historic Landmark and World Heritage site located on China Lake. The Coso Rock Art District is not accessible to the public because of its location on the Navy base; security clearance, appointments, and military escorts are required to access the location. Fossil Falls, by contrast, is due west of the Coso Rock Art District on public lands with a developed camping and interpretive area, providing a recreational opportunity not available elsewhere in this region. The relationship between this site and the Coso Rock Art District is evidenced by the archaeological assemblage present, the rock styles observed, and the protected and intact landscape between the localities.

**Scientific:** The scientific research potential for this locale is nationally significant, as it may provide information about volcanology, climate change, and patterns of prehistoric lifeways and human behavior, to name a few.

**Special Designations/Management Plan/Date:** Designated ACEC, CDCA Plan 1980, Cultural Resources Management Plan, 08/1976, Fossil Falls ACEC Management Plan 04/26/1986 (CA-06-ACEC-10), Revised ACEC, West Mojave Plan 01/2005 (D.1.10)

**Relevance and Importance Criteria:** This area was designated for relevant wildlife values, significant prehistoric and historic cultural values, unique geological formations east of the Sierra Nevada Mountains and west of the Coso Range Volcanic Field. The current ACEC boundary includes portions of a larger Fossil Falls National Register Archaeological District. Cultural resource investigations, including excavations at the Stahl Site, have identified cultural components in excess of 10,000 years before present. The main lava flow and surrounding lava outcrops have extensive rock art, prehistoric habitation sites, and large scatters of lithic materials from the nearby Sugarloaf Obsidian Source, located on China Lake Naval Air Weapons Station. This area is included in the Mohave Ground Squirrel Conservation Area and has some desert tortoise habitat.

**Grazing Allotment:** This unit overlaps with Tunawee Allotment.

**Overarching Goals:** To provide protection to cultural resources while also enabling the public to enjoy them.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

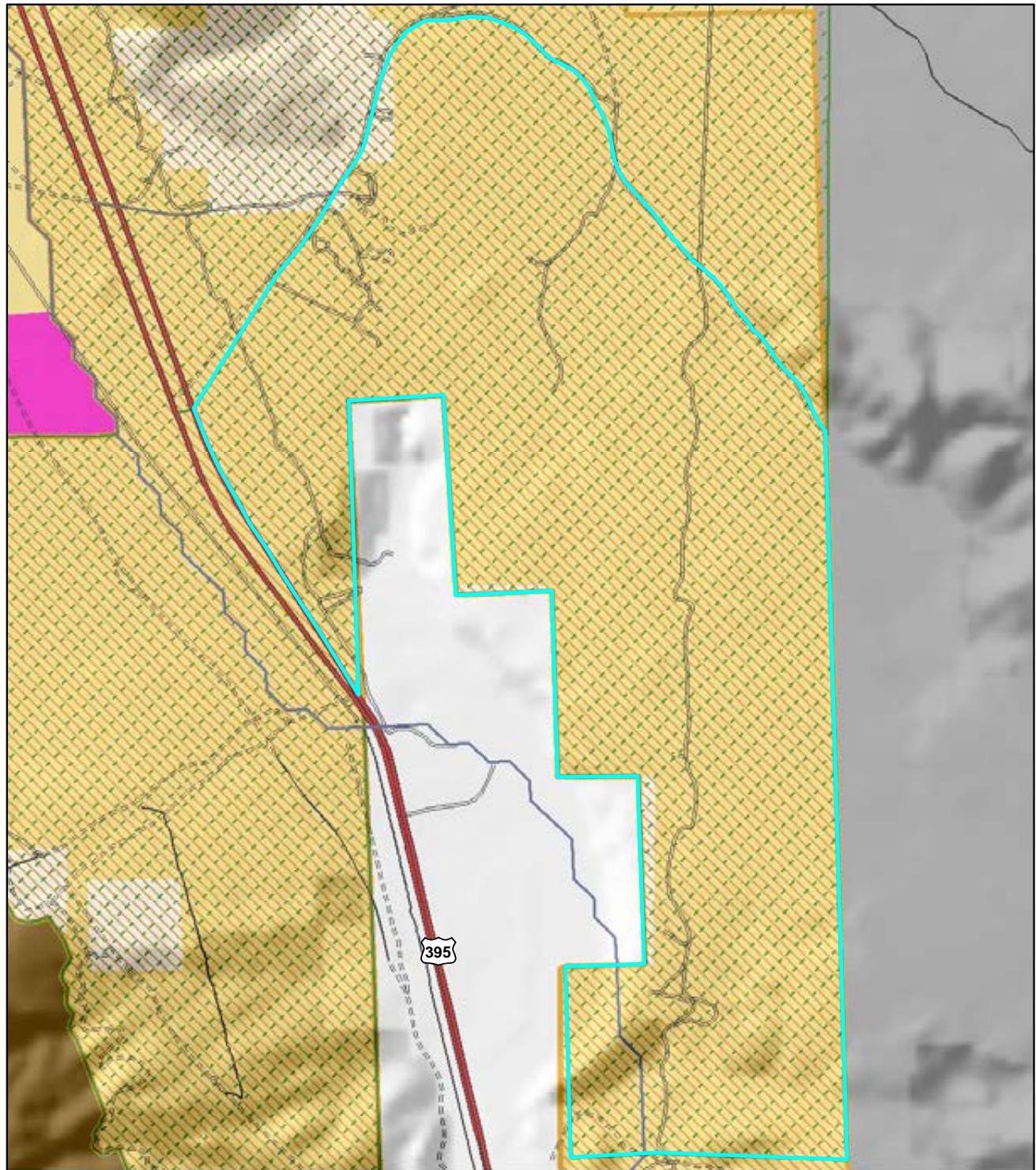
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	1,600	0	NA
Preferred Alternative	1,600	1,600	0	1%
1	0	1,600	0	1%
2	1,600	1,600	0	1%
3	0	1,600	0	1%
4	1,600	1,600	0	1%

\* Acreage values are for BLM managed lands



Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>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            Designate the following as priority species for management and protection.            American Badger (<i>Taxidea taxus</i>) State Special Animal            Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened            BLM sensitive Golden Eagle (<i>Aquila chrysaetos</i>) BLM sensitive, Bald and Golden Eagle P. Act            Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern            Burrowing Owl (<i>Athene cunicularia</i>) BLM Sensitive            Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern            Loggerhead Shrike (<i>Lanius ludovicianus</i>) State Species of Special Concern</p>	Fish and Wildlife (incl. special status species)
<p>See programmatic ACEC cultural resources objective and action items in general cultural resources rules.</p> <p>Maintain objectives and management actions of existing Cultural Resources Management Plan:            Garfinkel, Alan P. 1976 <i>A Cultural Resource Management Plan for the Fossil Falls/Little Lake Locality</i>. Bureau of Land Management, California.</p> <p>Objective: Minimize impacts to cultural resource values within the ACEC            Allowable Uses: Recreational use by the public, interpretation by BLM, and</p>	Cultural Resources

<p>continued scientific research by cultural resource specialists</p> <p>Management Actions: Improve sign and foot trail</p> <p>Stabilize and rehabilitate sites that have been impacted by vandals, including the removal of graffiti.</p> <p>Institute regular patrols and interpretive services.</p> <p>Objective: Reconcile ACEC boundary with National Register District boundary.</p> <p>Management Action: Facilitate research, scientific study, and general study of cultural resources Work to acquire lands as described ACEC Management Plan</p>	
<p>Objective: Protect scenic values of the Fossil Falls ACEC</p> <p>Management Action: 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 of maintaining scenic values.</p>	Visual Resources
<p>Objective: Limit impacts from OHV use by designating and limiting trail use per the local Travel Management Plan.</p> <p>Allowable Uses: Motorized, non-motorized, non-mechanized restricted from foot trails. Limited use in and around ACEC.</p> <p>Management Action: Install protective vehicle barriers and closures signs. Develop foot trail Regularly monitor trail use Restore and rehabilitate trails as appropriate</p>	Trails and Travel Management
<p>Objective: Provide recreation opportunities that are consistent with resource protection</p> <p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: Camping and picnicking in designated areas. Firearms prohibited. Rock climbing where impacts to cultural resources are minimized.</p> <p>Management Action: Develop trails/ designate day use and camping areas. Develop interpretive materials for ACEC/ cultural resources. Develop interpretive materials for recreational opportunities, including allowable rock climbing activities and location.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment. Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers</p>	Land Tenure


<p>Objective: Protect resource values of the ACEC  Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>Objective: Coso Known Geothermal Resource Area (KGRA) overlaps the ACEC</p> <p>Allowable Uses: No surface entry within the Fossil Falls Archaeological District</p> <p>Management Action: Continued management practices as prescribed in management plans</p>	Renewable Energy
<p>Objective: Allow for valid and existing active mining rights for pumice deposits and cinder cones.</p> <p>Allowable Uses: No surface entry within the Fossil Falls Archaeological District</p> <p>Management Action: 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 of maintaining scenic values and minimizing impacts to cultural values.</p>	Locatable Minerals Mineral Materials Non-energy Leaseables
<p>Objective: This ACEC is within the Tunawee Common Allotment</p> <p>Allowable Uses: Existing allotments are authorized but do not authorize new allotments or expansion of existing allotments (either in size or increase in number of AMUs), if willing relinquishment, would be made unavailable. Adjust livestock use where monitoring data indicate changes are necessary to meet resource objectives. Tunawee grazing allotment.</p> <p>Management Actions: Manage grazing authorizations to meet or exceed the Standards for Rangeland Health.</p>	Livestock grazing





Conservation Footprint

-  Legislatively & Legally Protected Areas
-  National Conservation Lands

**ACEC Boundaries**



-  1% Disturbance Cap

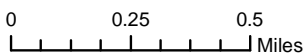
-  DRECP Boundary
-  CDCA Boundary

**Renewable Footprint**

-  Development Focus Areas

**Land Status**

-  Bureau of Land Management
-  Department of Defense



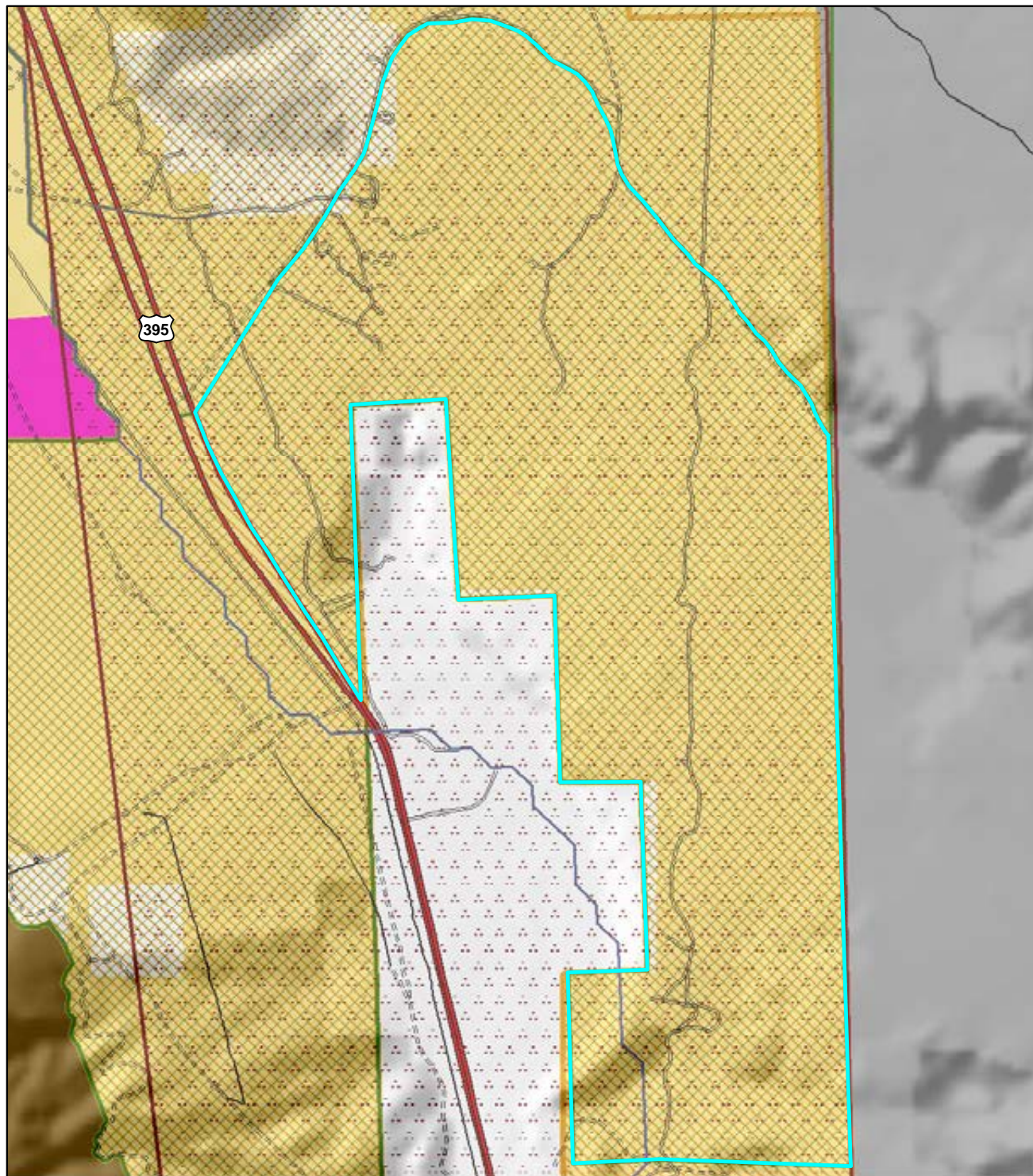
**Fossil Falls**

6/25/2015



Draft Map Boundaries Subject to Change





**Conservation Footprint**

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

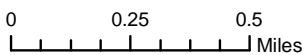
**Renewable Footprint**

- Development Focus Areas

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor

**Land Status**

- Bureau of Land Management
- Department of Defense

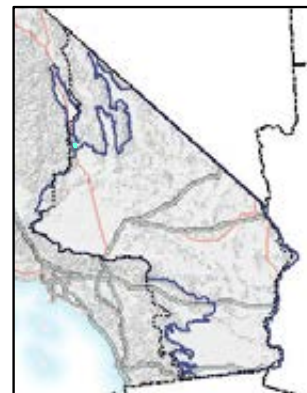


**Fossil Falls**

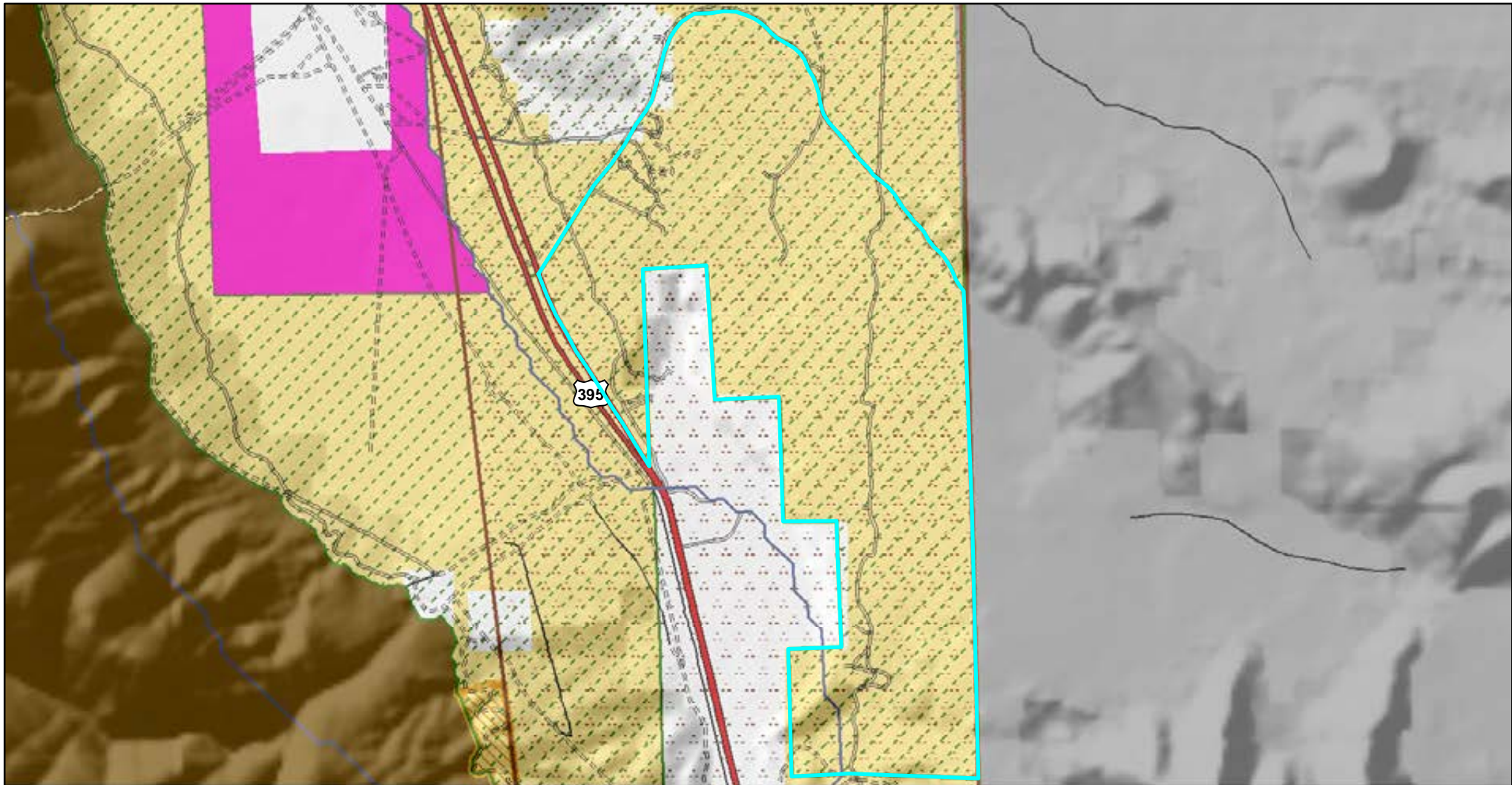
7/14/2015






Draft Map Boundaries Subject to Change












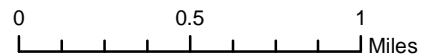
**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
- ACEC Boundaries
-  1% Disturbance Cap

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

- Renewable Footprint**
-  Development Focus Areas

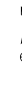
- Land Status**
-  Bureau of Land Management
  -  Department of Defense

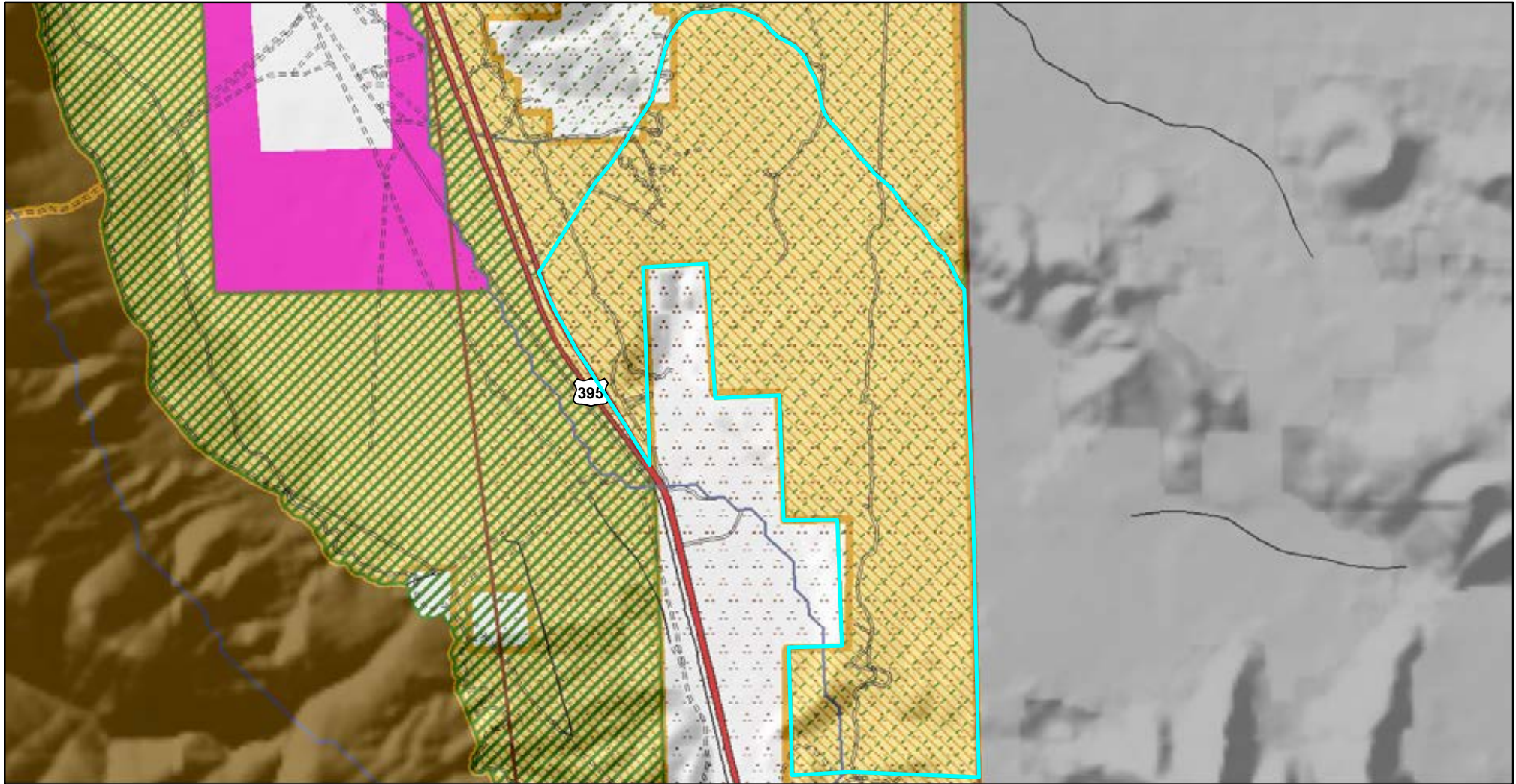


**Fossil Falls  
Alternative 1**









8/25/2015



Draft Map Boundaries Subject to Change

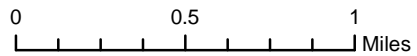




**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
- ACEC Boundaries**
-  0.25% Disturbance Cap
-  1% Disturbance Cap
-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor
- Renewable Footprint**
-  Development Focus Areas

- Land Status**
-  Bureau of Land Management
  -  Department of Defense

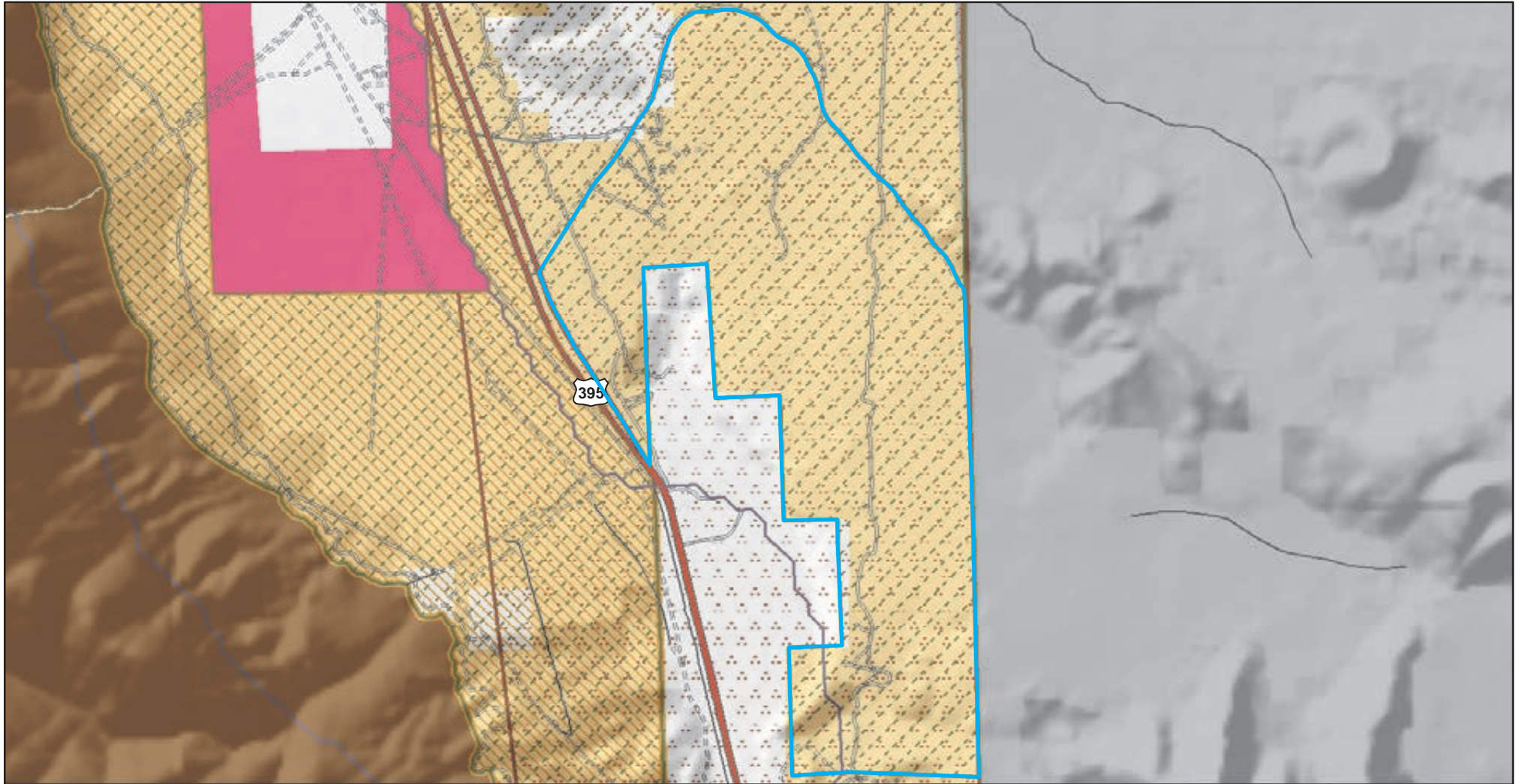


**Fossil Falls  
Alternative 2**

8/26/2015



Draft Map Boundaries Subject to Change



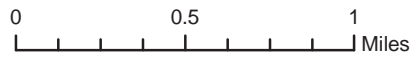


**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
- ACEC Boundaries**
-  1% Disturbance Cap
-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

- Land Status**
-  Bureau of Land Management
  -  Department of Defense

- Renewable Footprint**
-  Development Focus Areas

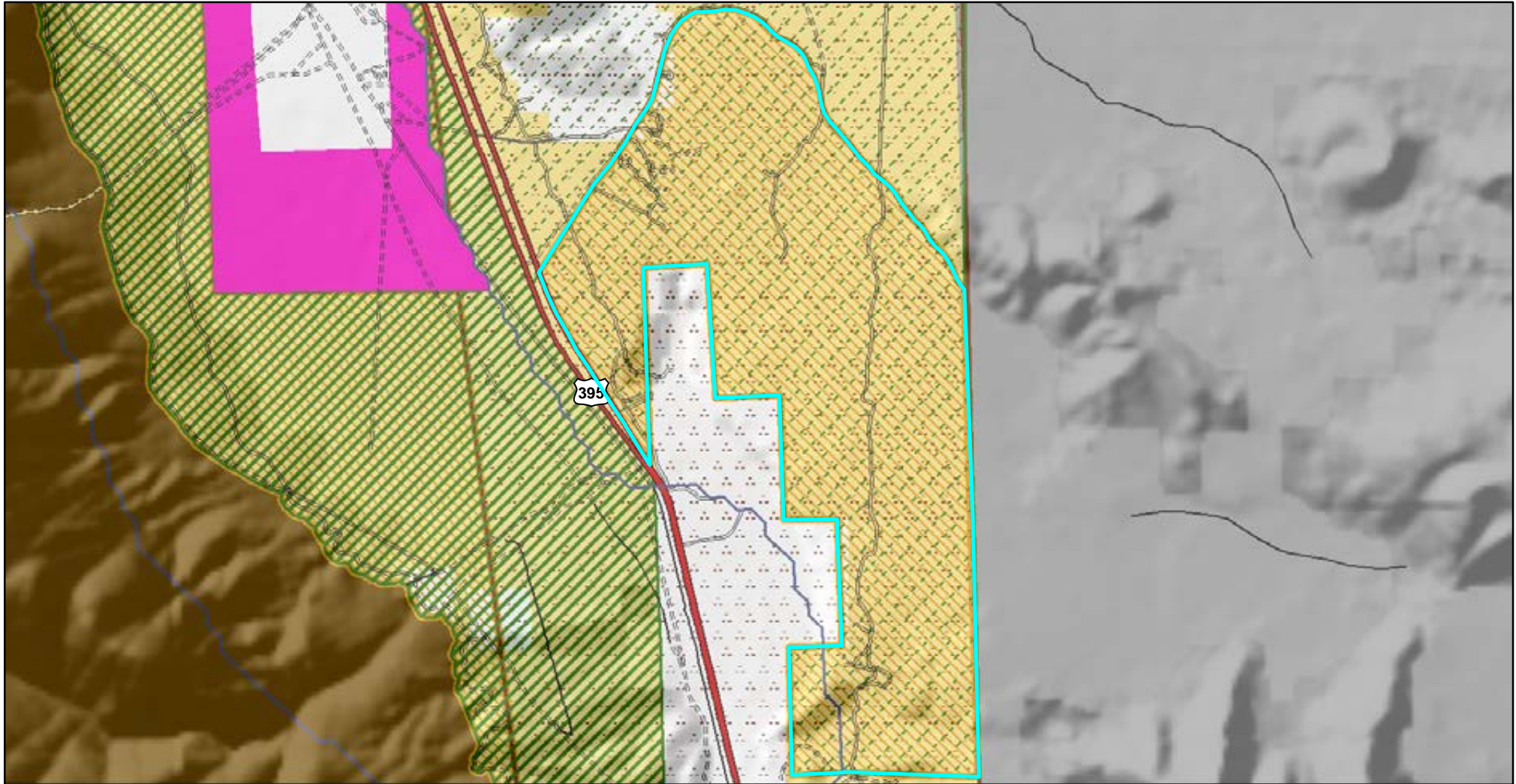


**Fossil Falls  
Alternative 3**

8/26/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

National Conservation Lands

Legislatively & Legally Protected Areas

**ACEC Boundaries**

0.25% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

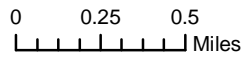
**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

Department of Defense

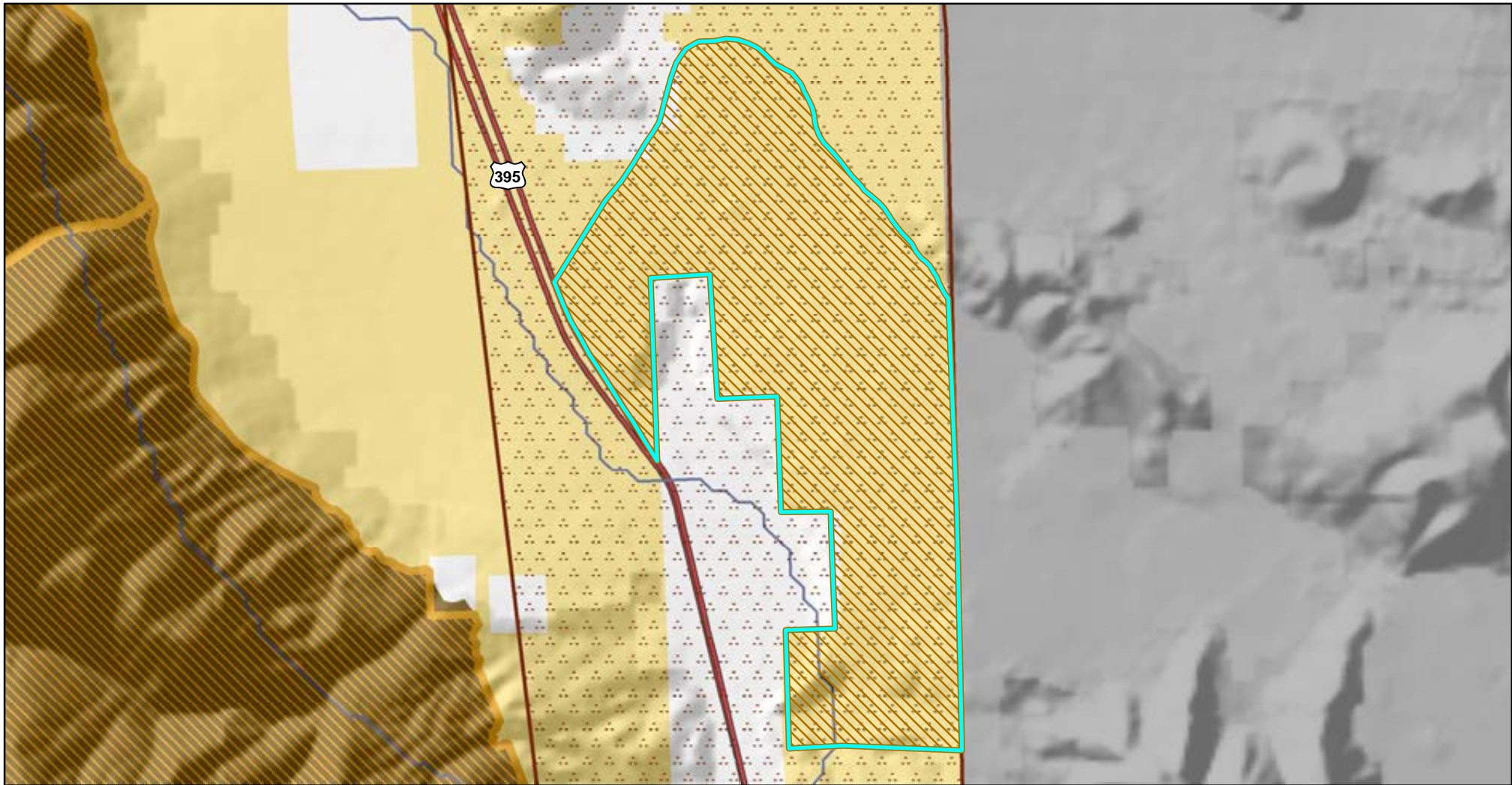


**Fossil Falls  
Alternative 4**

8/27/2015



Draft Map Boundaries Subject to Change

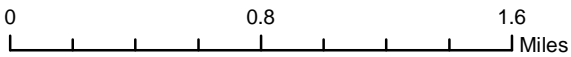




**Conservation Footprint**

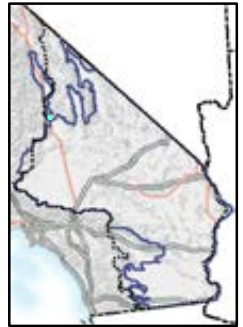
-  Existing ACEC
-  Transmission Corridor
-  CDCA Boundary
-  DRECP Boundary
-  National Conservation Lands
-  Legislatively & Legally Protected Areas

- Land Status**
-  Bureau of Land Management
  -  Department of Defense



**Fossil Falls  
No Action**  
9/15/2015

Draft Map Boundaries Subject to Change



## Great Falls Basin Argus Range Wilderness Study Area

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Located in the northern Mojave Desert in the Argus Range, approximately 8 miles north of the town of Trona, California. This ACEC falls within a larger management unit called the Argus Range Wildlife Habitat Management Area.

**Nationally Significant Values:**

**Ecological:** Contains intact habitat for a relict population of Inyo California Towhee, which has been state listed as endangered and is listed by the U.S. Fish and Wildlife Service as threatened.

**Scientific:** The Inyo CA Towhee population has been the focus of research for the last twenty years.

**Special Designations/Management Plan/Date:** Plan 12/1987

**Relevance and Importance Criteria:**

**Biological:** Provides relevant and important wildlife habitat with the Falls themselves. Furthermore, it falls within the Mojave Ground Squirrel Conservation Area and the proposed Argus Range Key Raptor Area. It contains habitat for the Inyo California towhee, a state-listed rare bird species. There is also historic use by desert bighorn sheep.

Yucca, mountain mahogany and some pinyon pine and juniper can be found at higher elevations.

**Visual Resources:** The current Great Falls Basin ACEC has been classified as Class II Visual Resource Management Areas. The Great Falls Basin has important scenic values. Year-round springs and streams feed a catch basin creating a refreshing natural bathtub of fresh water at the foot of Great Falls Basin. The surrounding cliffs, peaks and canyon walls appear striated because of ancient sedimentation. Their colors range from dusty brown to gold.

**Recreation Area:** This unit overlaps with North Searles SRMA. This area is also used for rock climbing. This area includes several prominent rock climbing routes, nine of which are in the falls area. Years of hydro pressure has left rock arched, smooth granite for rewarding climbs.

**Lands with Wilderness Characteristics:** This unit contains 7923 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

**Overarching Goals:** Only provide resource uses to the extent that they are compatible with the purpose of protection and enhancement of the wildlife resources.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the

Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**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	1165	10,312	0	0.25%
1	513	9,542	0	1%
2	555	9,548	0	1%
3	555	9,542	0	1%
4	555	9,542	0	1%

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

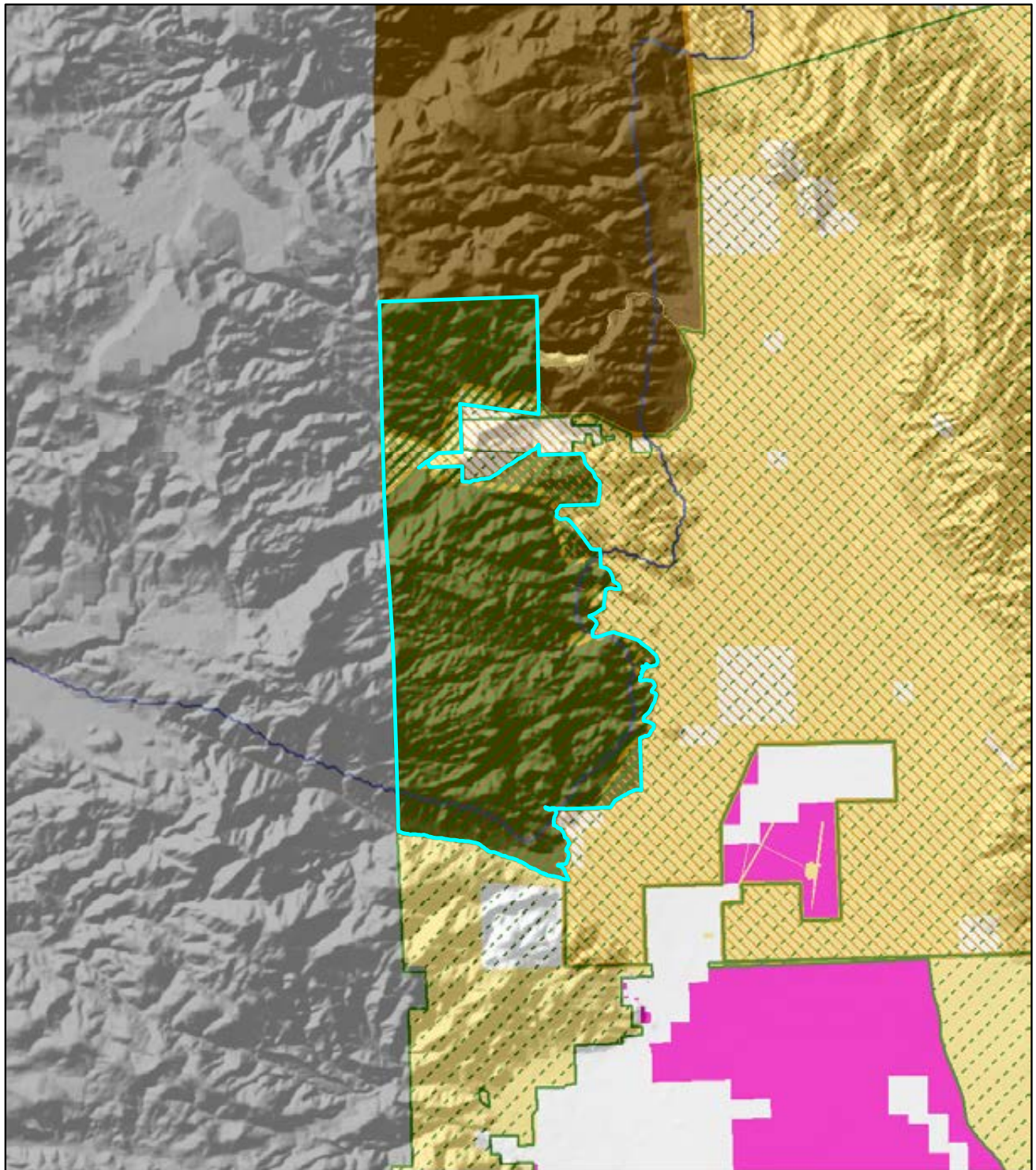
The majority of this unit overlaps designated wilderness. Wilderness is automatically included NLCS. The portion of the unit that is not in wilderness is proposed for NCLS inclusion.

<b>Objectives (desired future condition)/Allowable Uses/Management Actions</b>	<b>Resource</b>
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to 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.</p> <p>Objective: Protect the hydrologic flow regime in all of the wetlands, springs, and riparian areas</p> <p>Allowable Uses: Existing water rights. Remove any unauthorized developments.</p> <p>Management actions: Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are function and achieving physical and biological objectives.</p> <p>Monitor Proper Functioning Condition and restore natural flow stream morphology when needed</p> <p>Monitor water uses</p> <p>Follow proper procedures for eliminating ROWS and removing developments</p>	<p>Soil, water, air</p>

<p>where they are no longer in use or are not being used for the (mostly mining) purposes for which they were granted.  Check status of all wells on public lands in the area.  Protect federal reserve water rights in wilderness.  Remove excess burros to protect seeps, springs, and riparian habitat in the area.  Maintain protective burro enclosure fences around seeps, springs, and riparian areas.</p>	
<p>Objective: Protect Riparian Vegetation which is critical Towhee habitat  Management Action: Continue invasive tamarisk removal</p>	Vegetation (incl. special status species)
<p>Objective: Protect Inyo California Towhee by ensuring habitat is in a stable or improving condition habitat  Management Action: Continue Burro Removal and maintain protective burro enclosure fences around seeps, springs, and riparian areas.  Objective: Protect raptors by ensuring nesting and foraging habitat is in a stable or improving condition habitat  Management Action: Minimize disturbance to nesting activities</p>	Fish and Wildlife (incl. special status species)
<p>Objective: Preserve the sense of isolation and vast, unspoiled view shed in this area  Allowable uses: The current Great Falls Basin ACEC has been classified as Class II Visual Resource Management Areas. The objective of this class is to retain the existing character of the landscape. The level of acceptable change to the characteristic landscape should be low.  Management Actions: Account for Visual Resource Inventory in all project assessments</p>	Visual Resources
<p>Objective: Limit vehicles to open designated routes and prevent user-created routes from developing.  Allowable Uses: No vehicle use within the Argus Mt Vehicle Closed Area.  Management Actions: Sign designated routes routinely</p>	Trails and Travel Management
<p>Objective: Protect sensitive riparian resources (i.e. nesting Inyo CA Towhee) while providing recreational opportunities.  Allowable Uses: Area would be managed within the North Sears SRMA.  Impose seasonal and/or permanent restrictions on target shooting in sensitive riparian areas and where large numbers of people congregate to park or camp.  Management Actions: Follow-through with the existing Great Fall Basin ACEC recommendation to prohibit target shooting within the original ACEC boundaries in the large wash on the approach to and at the base of the falls. This prohibition is necessary to reduce litter (particularly broken glass) and to protect public safety.  Increase compliance with fire restrictions, camping limits, and vehicle use on the designated route system.  Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p>	Recreation

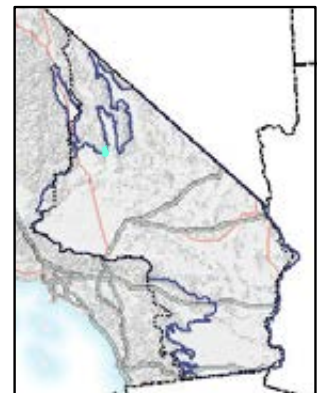


<p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Action: No camping within 200 yards of springs and riparian areas.</p> <p>Management Action: Increase compliance with routes of travel and the Travel Management Plan, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis.</p>	
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Allowable Uses: There are several existing ROWs in the area, including roads, power lines, and water pipelines servicing private property.</p> <p>Exclusion Area: Critical habitat for Inyo CA Towhee</p> <p>Management Action 1: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p>Management Action 2: Existing water diversions, pipelines, and wells on public lands should be checked for legitimacy of use (authorized ROWs and terms of use) and condition. All unauthorized uses should be terminated and unauthorized developments, unless historic in nature, removed.</p>	Rights of Way
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area.</p> <p>Allowable Uses: Exclusion Area: Critical habitat for Inyo CA Towhee</p> <p>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.</p>	Locatable Minerals Mineral Materials Non-energy Leaseables
<p>Objective: Removal of wild burros and horses in the area to attain the management goals.</p> <p>Management Action: BLM should continue its removal and adoption program to protect seeps, springs, and riparian habitat in the area.</p>	Wild Horse & Burros



Conservation Footprint

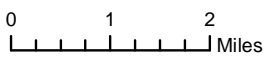
- |   |                            |                           |
|---|----------------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary              | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  | <b>Renewable Footprint</b> | Department of Defense     |
| 0.25% Disturbance Cap                   | Development Focus Areas    |                           |
| 1% Disturbance Cap                      |                            |                           |



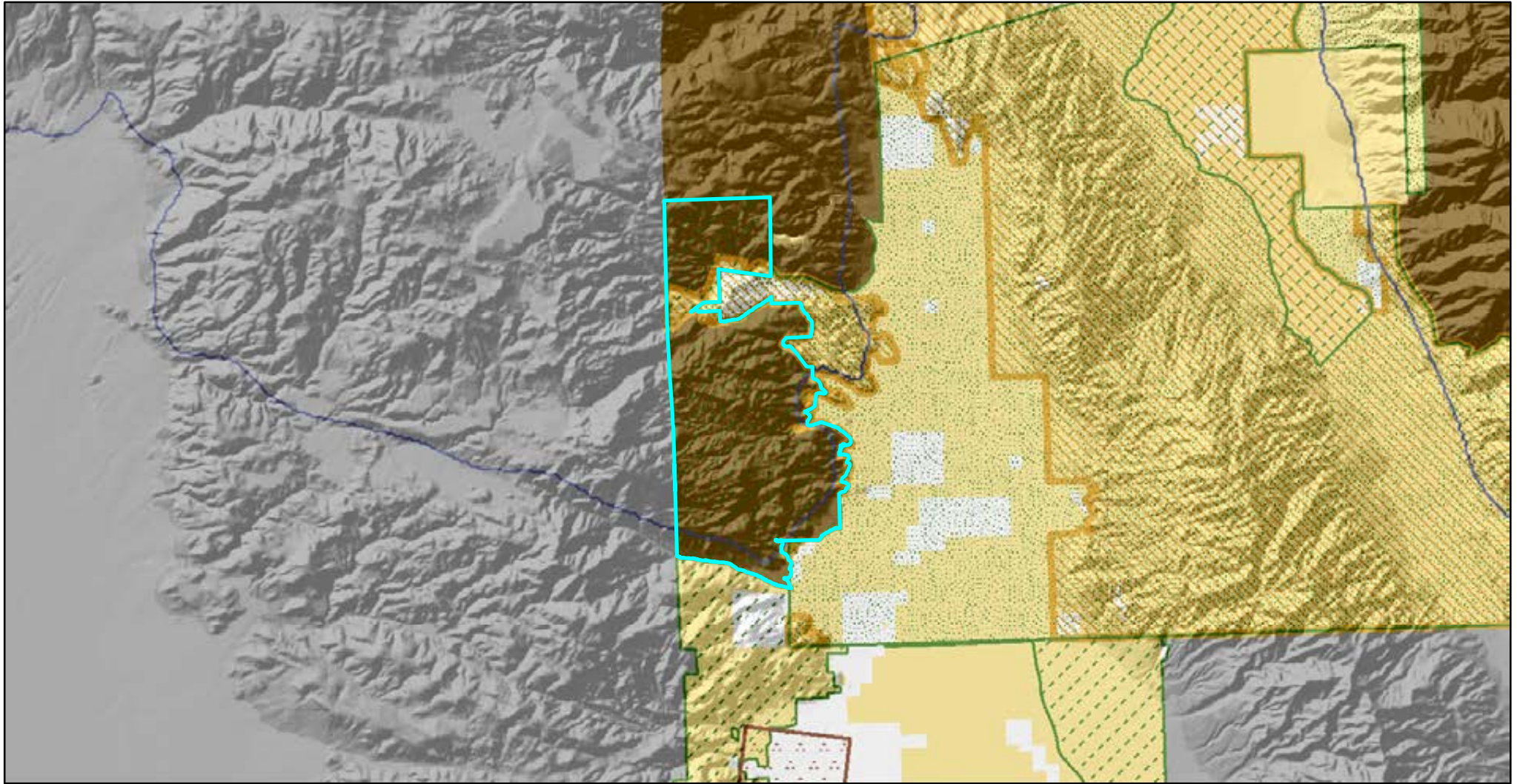
Great Falls Basin










6/25/2015





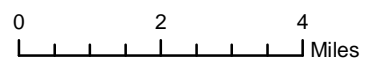
Draft Map Boundaries Subject to Change



**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  DRECP Boundary
-  National Conservation Lands
-  CDCA Boundary
- ACEC Boundaries**
-  1% Disturbance Cap
-  Wildlife Allocation
-  Transmission Corridor

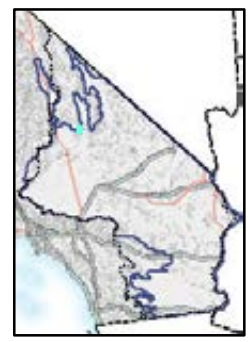
- Land Status**
-  Bureau of Land Management
  -  Department of Defense

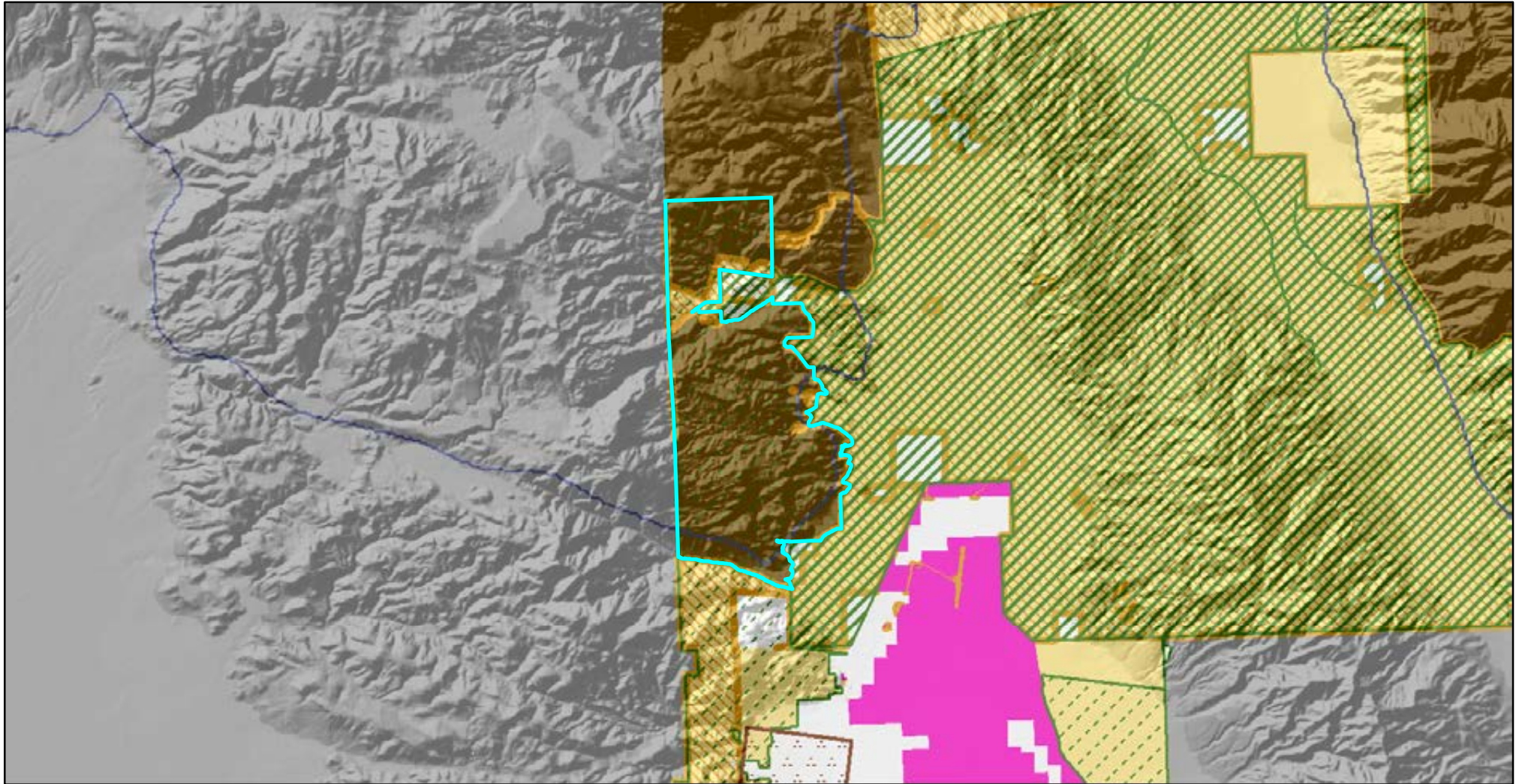


**Great Falls Basin  
Alternative 1**







8/25/2015



Draft Map Boundaries Subject to Change




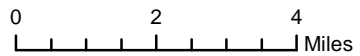


**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
- ACEC Boundaries**
-  0.25% Disturbance Cap
-  1% Disturbance Cap
-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

- Land Status**
-  Bureau of Land Management
  -  Department of Defense

- Renewable Footprint**
-  Development Focus Areas

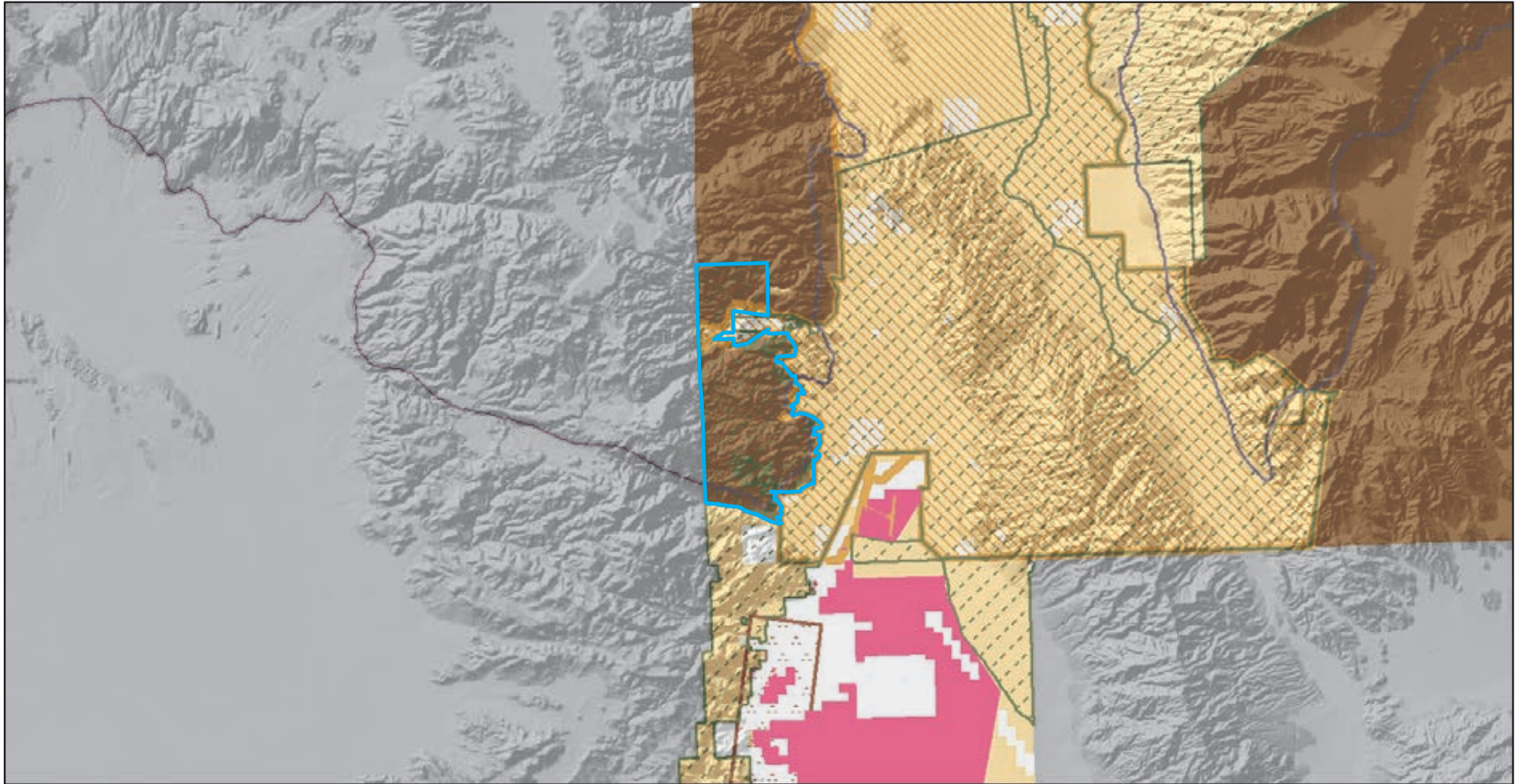


**Great Falls Basin  
Alternative 2**






8/26/2015




Draft Map Boundaries Subject to Change

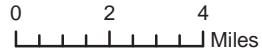






**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

- ACEC Boundaries**
-  0.25% Disturbance Cap
  -  0.5% Disturbance Cap
  -  1% Disturbance Cap



- Land Status**
-  Bureau of Land Management
  -  Department of Defense

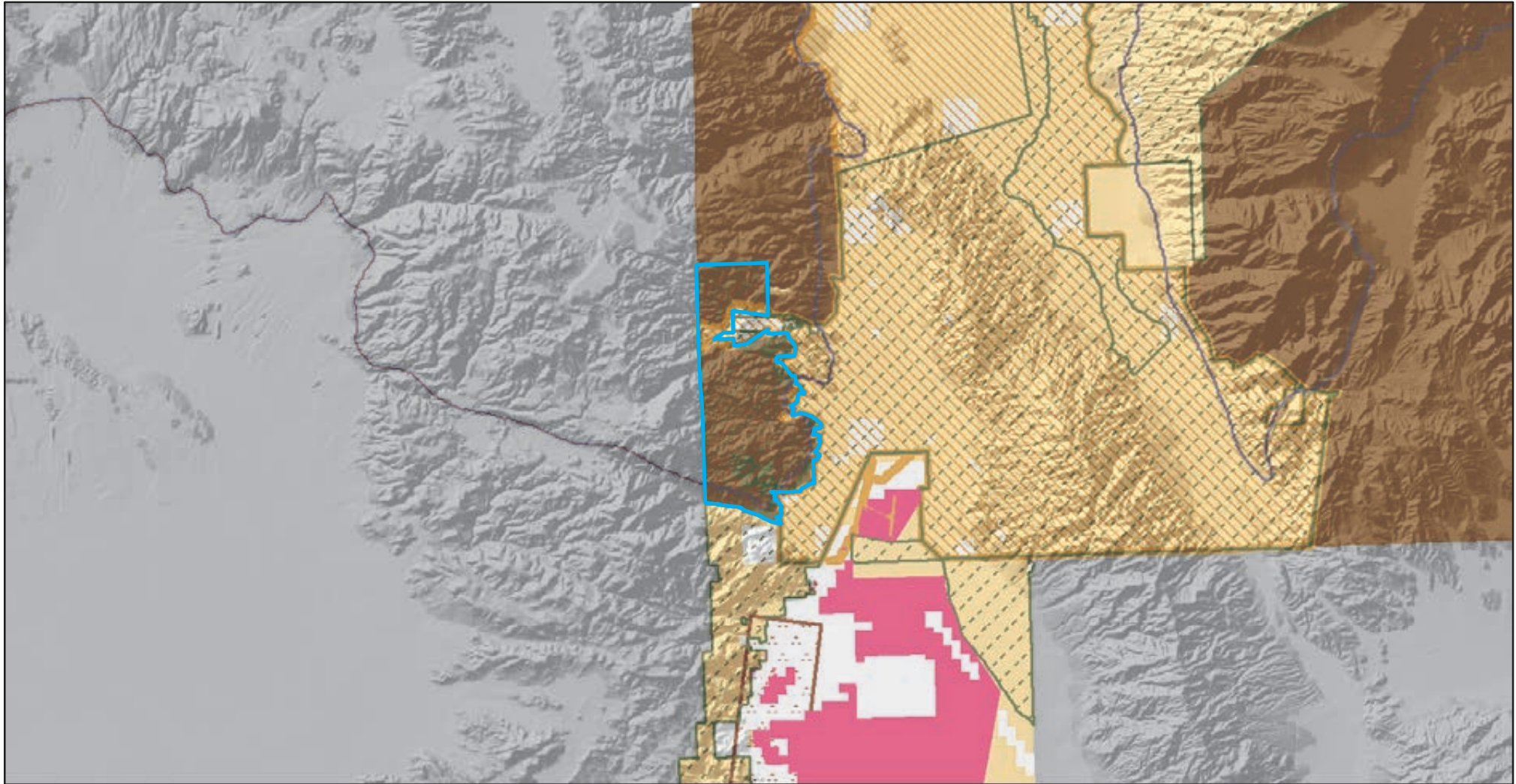
- Renewable Footprint**
-  Development Focus Areas

**Great Falls Basin  
Alternative 3**






8/26/2015




Draft Map Boundaries Subject to Change

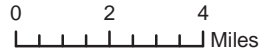






**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

- ACEC Boundaries**
-  0.25% Disturbance Cap
  -  0.5% Disturbance Cap
  -  1% Disturbance Cap



- Land Status**
-  Bureau of Land Management
  -  Department of Defense

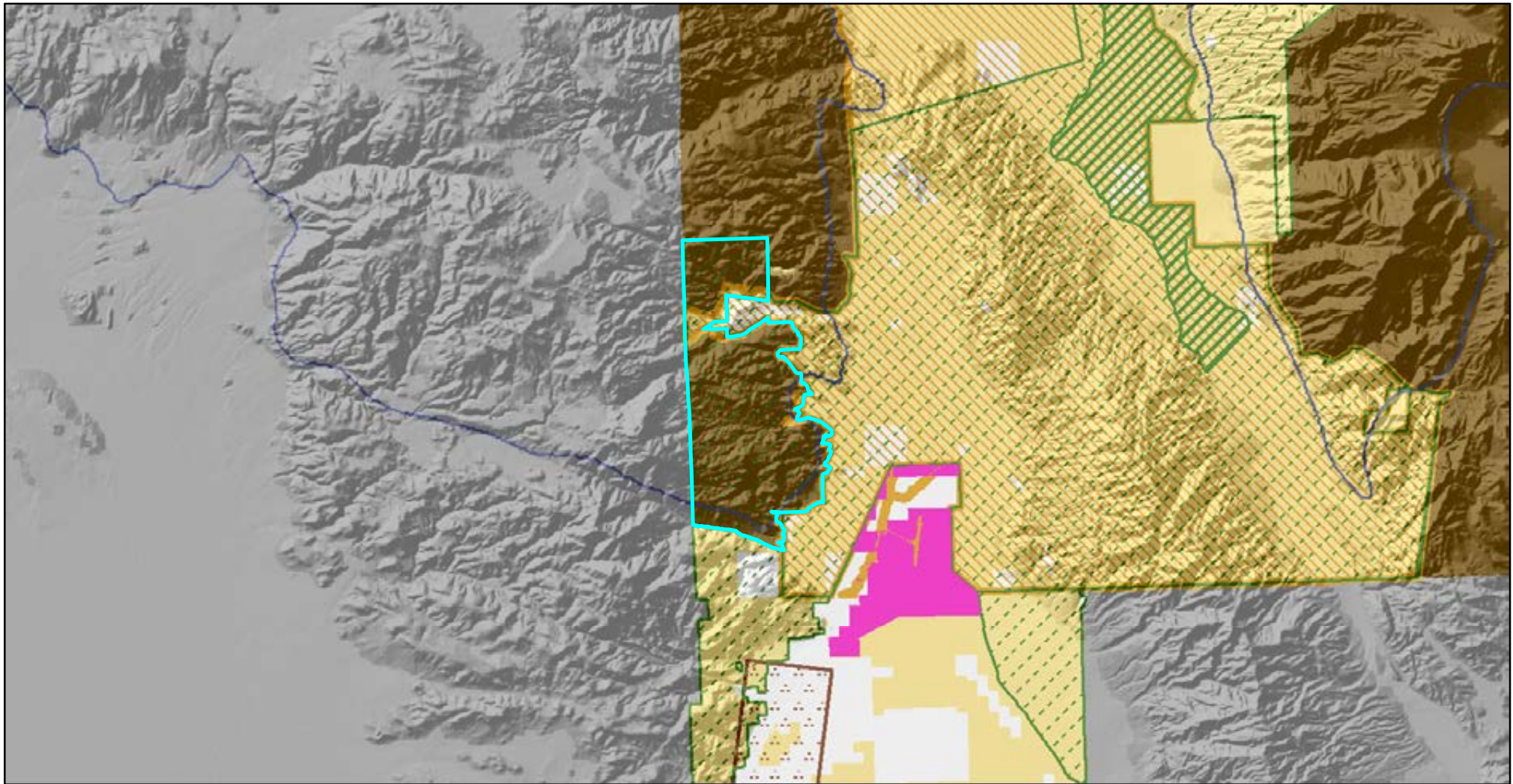
- Renewable Footprint**
-  Development Focus Areas

**Great Falls Basin  
Alternative 3**

8/26/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

National Conservation Lands

Legislatively & Legally Protected Areas

**ACEC Boundaries**

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 2 4  
Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

Department of Defense

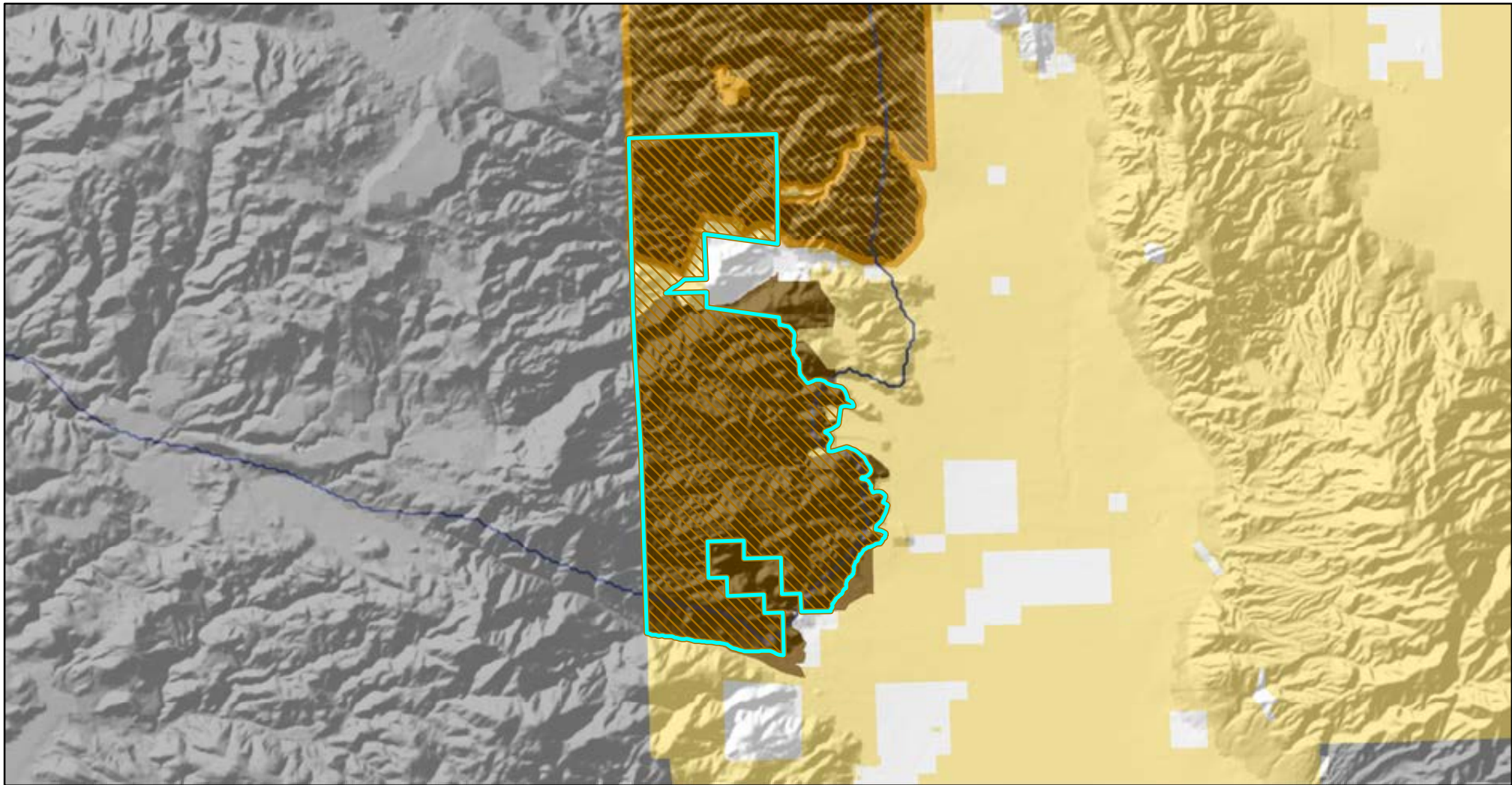
**Great Falls Basin**

Alternative 4

8/27/2015



Draft Map Boundaries Subject to Change





**Conservation Footprint**

-  Existing ACEC
-  National Conservation Lands
-  CDCA Boundary
-  Legislatively & Legally Protected Areas
-  DRECP Boundary

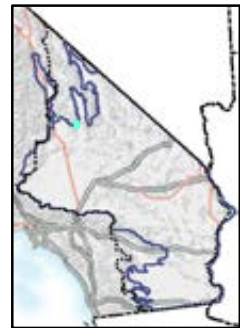
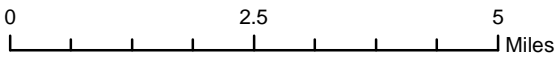
- Land Status**
-  Bureau of Land Management
  -  Department of Defense

**Great Falls Basin**

**No Action**

9/15/2015

Draft Map Boundaries Subject to Change





## Olancha Greasewood

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** South of CA State Hwy 190; east of CA State Hwy 395 and Olancha Dunes Open Area

**Nationally Significant Values:**

**Ecological:** This area of sand dunes has an unusual plant assemblage (UPA) described in the CDCA Plan as a Great Basin Enclave with greasewood (*Sarcobatus vermiculatus*) as the dominant plant.

Designated to provide protection of this UPA. What makes this greasewood community unique is that it is growing on tall sand dune hummocks and is acting as an important dune stabilizer. Normally greasewood assemblages occur at the base of eroded hills and in ephemeral stream channels where the water table is near the surface.

A variety of desert wildlife is associated with this greasewood community that has established on the sand dune hummocks.

**Scientific:** The uniqueness of the Greasewood assemblage represents high research value.

**Special Designations/Management Plan/Date:** No previous special designation

**Relevance and Importance Criteria:** To conserve this unusual plant assemblage and its associated wildlife community, as well as the cultural values of greasewood. Greasewood is a deciduous shrub growing to 0.5–3 m tall with spiny branches and succulent leaves. Its leaves are bright green, in contrast to the grey-green color of most of the other shrubs within its range. Greasewood is a halophyte, tolerant of alkaline and saline soil conditions. Native Americans used the hard, yellow wood as firewood and ate the seeds and succulent leaves. The plant provides burrowing or resting sites for small mammals or birds.

**Recreation Area:** This unit overlaps with the Olancha SRMA.

**Grazing Allotment:** This unit overlaps with the Lacey-Cactus-McCloud and Olancha Common Allotments.

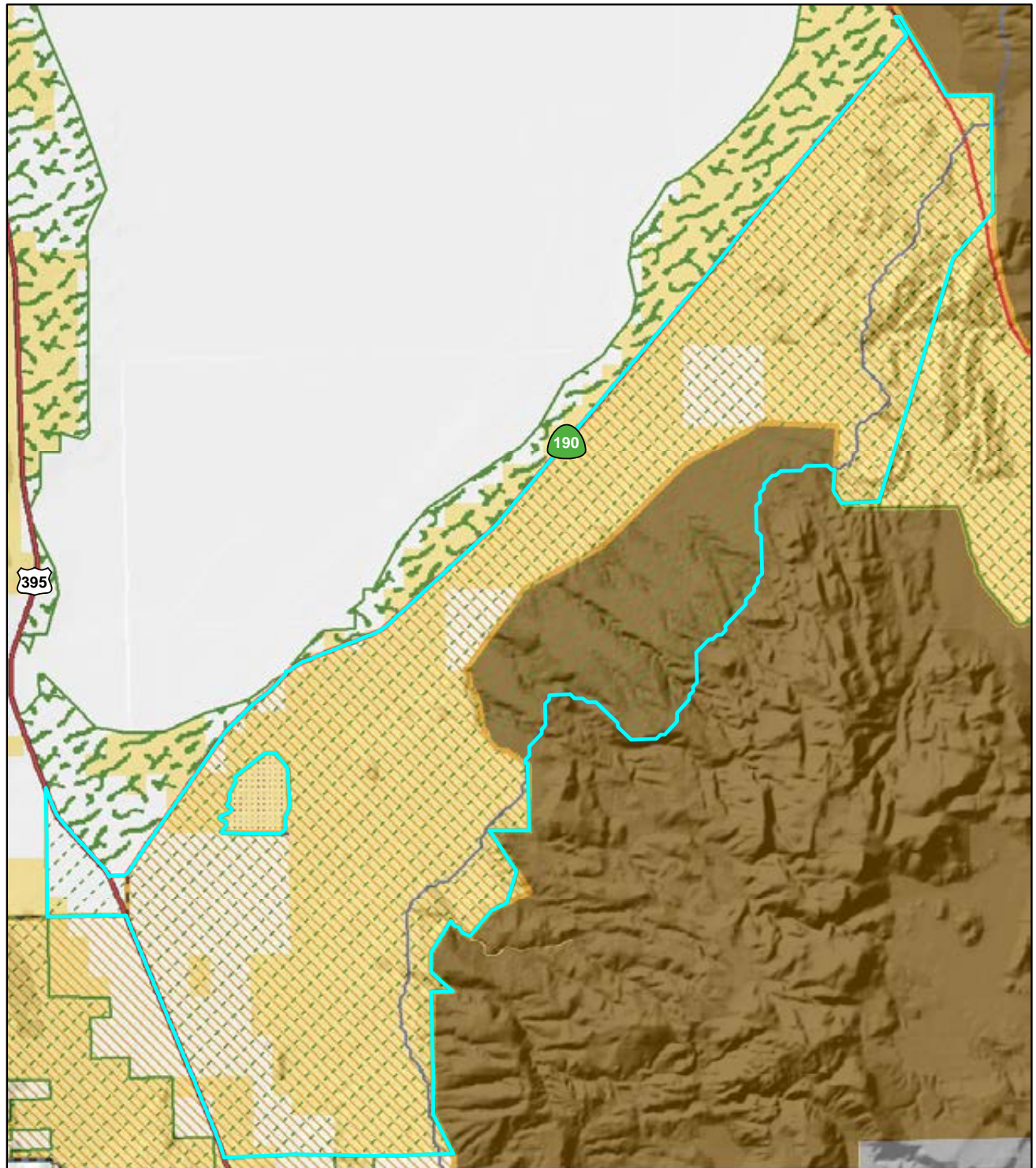
**Overarching Goals:** To increase protection of sensitive biological resources while continuing use of lands for compatible recreational opportunities.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.










If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

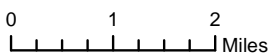
<b>Designation and Acreage by Alternative:</b>				
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	20,515	25,587	0	1%
1	3,000	21,400	0	1%
2	21,400	21,400	0	0.25%
3	20,600	21,400	0	1%
4	21,400	21,400	0	0.25%
<b>* Acreage values are for BLM managed lands</b>				
<b>Objectives (desired future condition)/Allowable Uses/Management Actions</b>			<b>Resource</b>	
<p>Objective: Maintain the natural sand transport and the dune system.            Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.            Management Action: Minimize soil disturbance and prevent accelerated erosion caused by human activities.</p>			Soil, water, air	
<p>Objective: Maintain intact greasewood community and prevent fragmentation.            Management Action: Post interpretive signs</p>			Vegetation (incl. special status species)	
<p>Objective: Protect wildlife associated with the this assemblage and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence            The ACEC is within the Olancha recreational vehicle Open Areas; these areas would be managed factoring in the Disturbance Cap throughout the ACEC.            Management Action: Monitor/survey for sensitive species</p>			Fish and Wildlife (incl. special status species)	
<p>Objective: Protect sensitive habitat while providing visitor access to the area.            Allowable Uses: Open use by vehicles would continue under the Olancha Recreational Vehicle Open Areas. Designate routes through the remaining ACEC.            Management Action: Designated routes will be signed and managed in accordance to the local Travel Management Plan, as funding allows. Unauthorized routes will be rehabilitated/restored as funding allows. Identify access routes which minimize impact to resources. Limit vehicles to open designated routes by signing, fencing, and barriers as funding allows.            Management Action: Increase information to public. Increase compliance with resource protections.</p>			Trails and Travel Management	

<p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Action: Increase information to public and increase compliance; maintain signs, vehicle barriers and kiosks.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way
<p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Uses: Not an allowable use.</p> <p>Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting this UPA.</p> <p>Management Action: 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.</p>	Locatable Minerals Mineral Materials Non-energy Leaseables
<p>Allowable Uses: Existing allotment is authorized, but do not authorize new allotments or expansion of existing allotment (either in size or increase number of AUMs), if willing relinquishment, would be made unavailable</p> <p>A part of this ACEC is within the Lacy-Cactus-McCloud and Olancho Common grazing allotments. Grazing will continue to be authorized in the overlap area and is governed by federal regulations including the achievement of standards and guidelines.</p>	Livestock grazing





Conservation Footprint

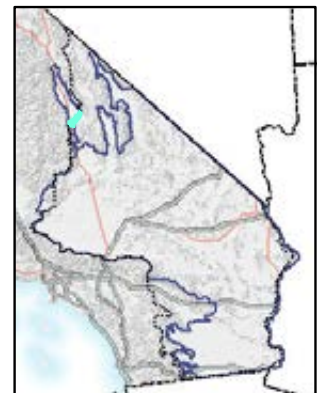
- |   |  |   |
|---|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | <b>Land Status</b>  |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |
| <b>ACEC Boundaries</b>  |  OHV Boundary   |  Department of Defense     |
|  0.1% Disturbance Cap                    |  |   |
|  1% Disturbance Cap                      |  |   |

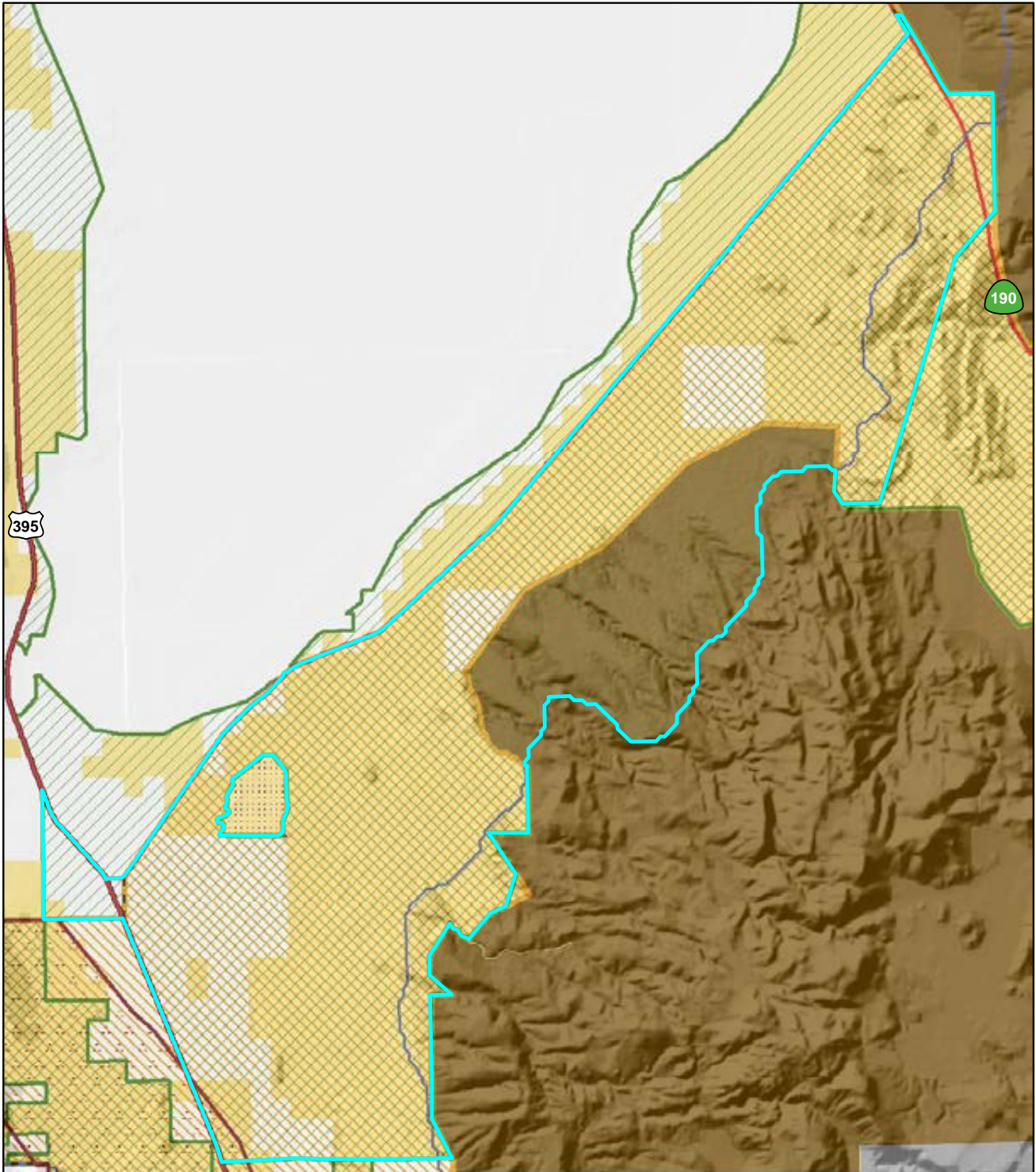


**Olancha Greasewood**


6/25/2015


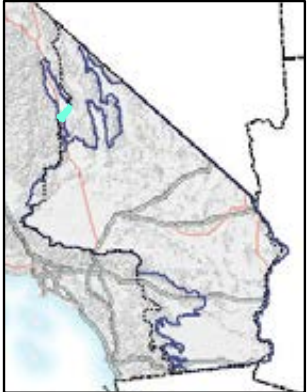
Draft Map Boundaries Subject to Change





**Conservation Footprint**

- |   |                       |                           |
|---|-----------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary        | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary         | Bureau of Land Management |
| Proposed ACEC                           | Transmission Corridor | Department of Defense     |
|   | OHV Boundary          |                           |

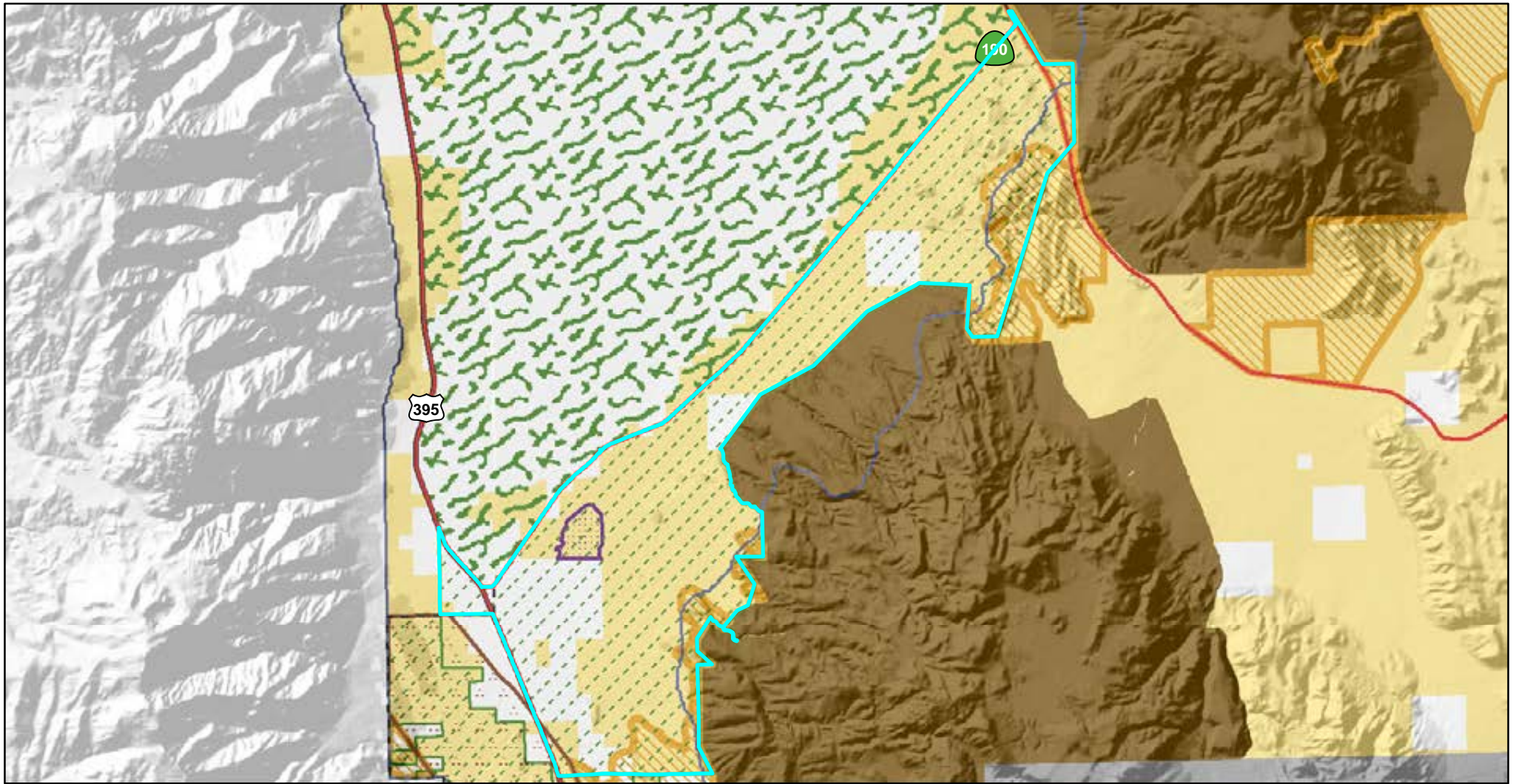


**Olancha Greasewood**





7/14/2015










Draft Map Boundaries Subject to Change

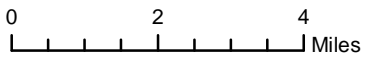


**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
- ACEC Boundaries**
-  0.1% Disturbance Cap
-  1% Disturbance Cap

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor
-  OHV Boundary
- Renewable Footprint**
-  Variance Lands

- Land Status**
-  Bureau of Land Management
  -  Department of Defense

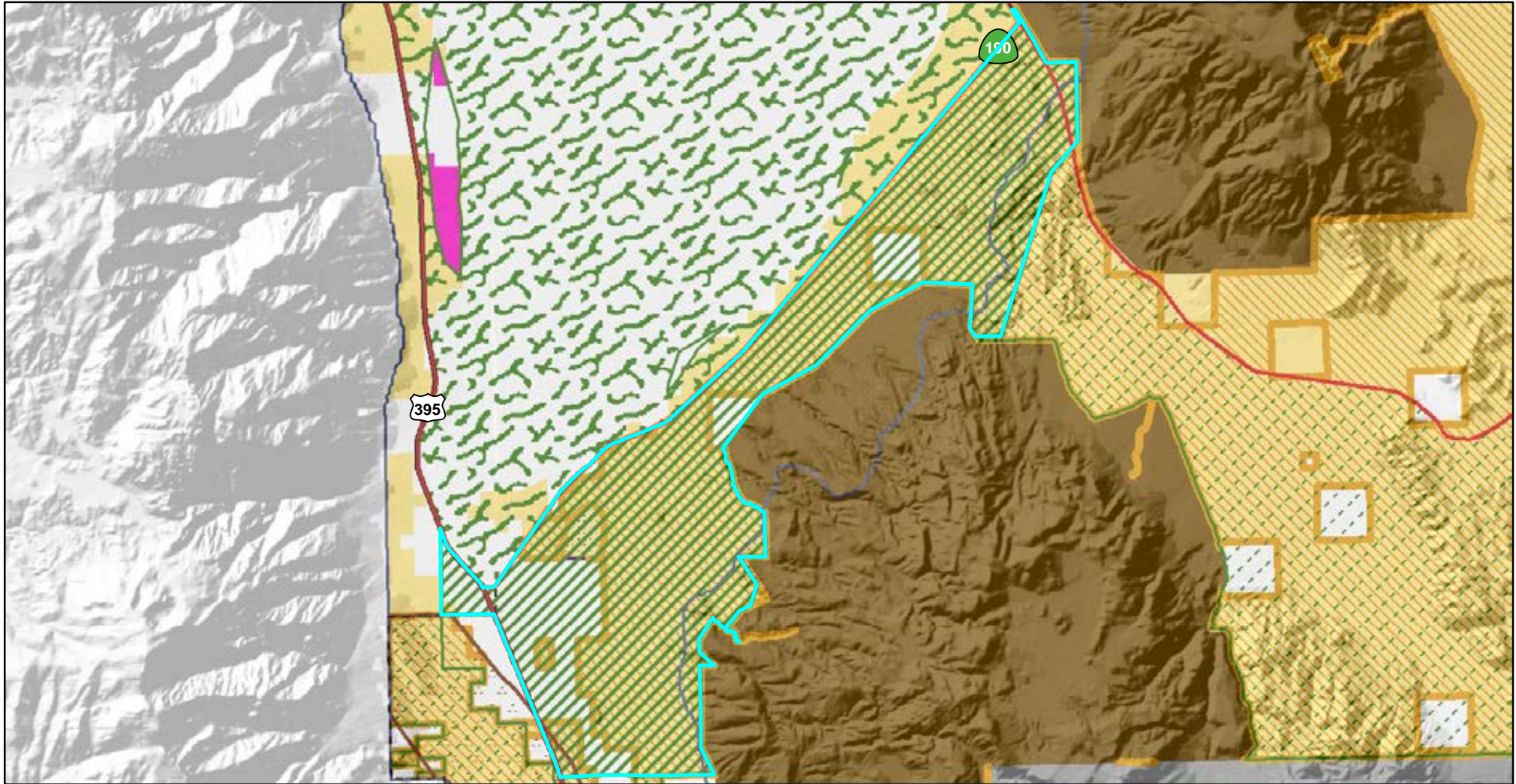


**Olancha Greasewood  
Alternative 1**











8/25/2015



Draft Map Boundaries Subject to Change

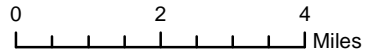




**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
- ACEC Boundaries**
-  0.1% Disturbance Cap
-  0.25% Disturbance Cap
-  1% Disturbance Cap
-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor
-  OHV Boundary
- Renewable Footprint**
-  Development Focus Areas

- Land Status**
-  Bureau of Land Management
  -  Department of Defense

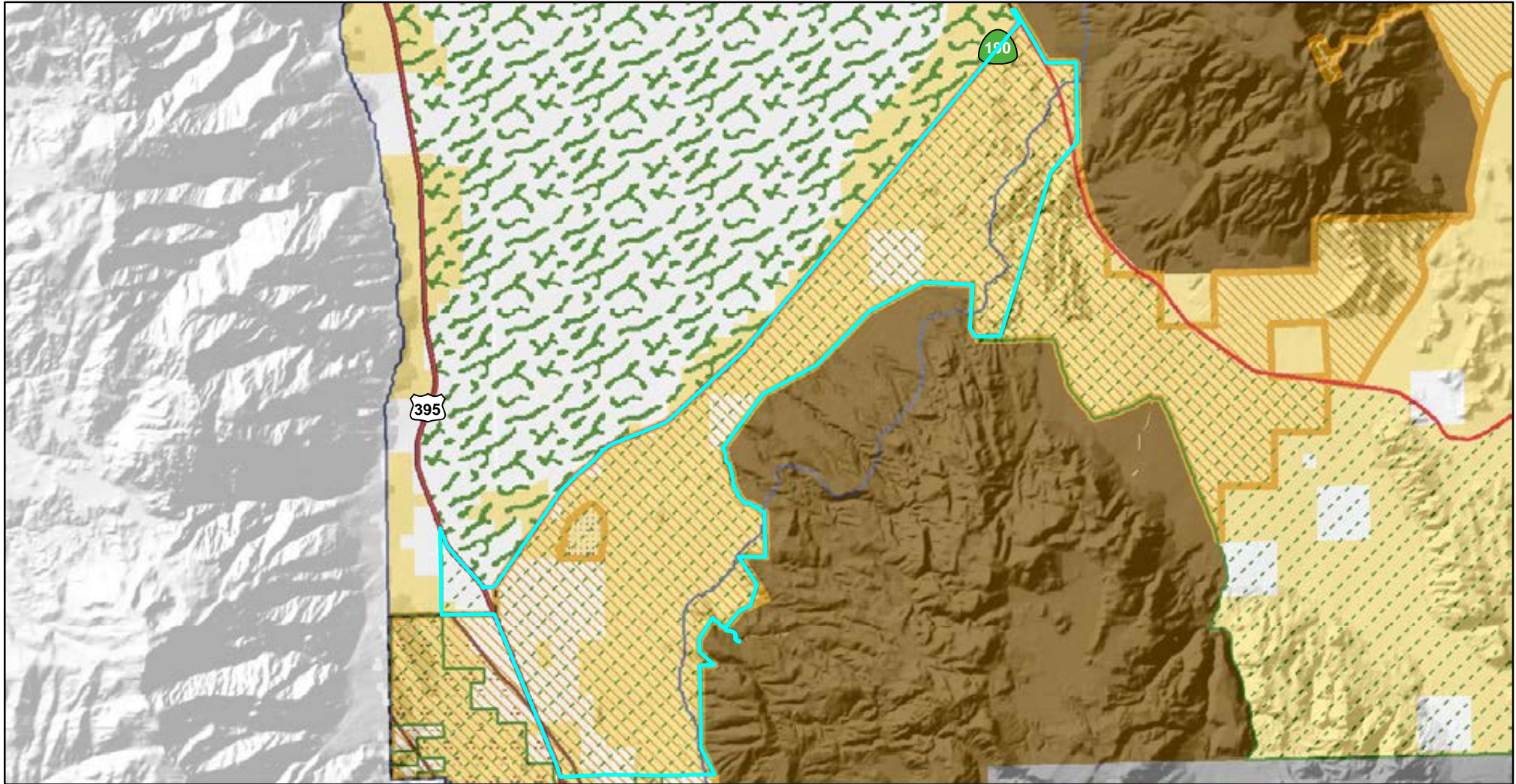


**Olancha Greasewood  
Alternative 2**

8/26/2015

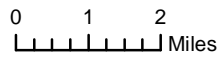
Draft Map Boundaries Subject to Change





**Conservation Footprint**

- |   |                       |                           |
|---|-----------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary        | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary         | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  | Transmission Corridor | Department of Defense     |
| 0.1% Disturbance Cap                    | OHV Boundary          |                           |
| 1% Disturbance Cap                      |                       |                           |



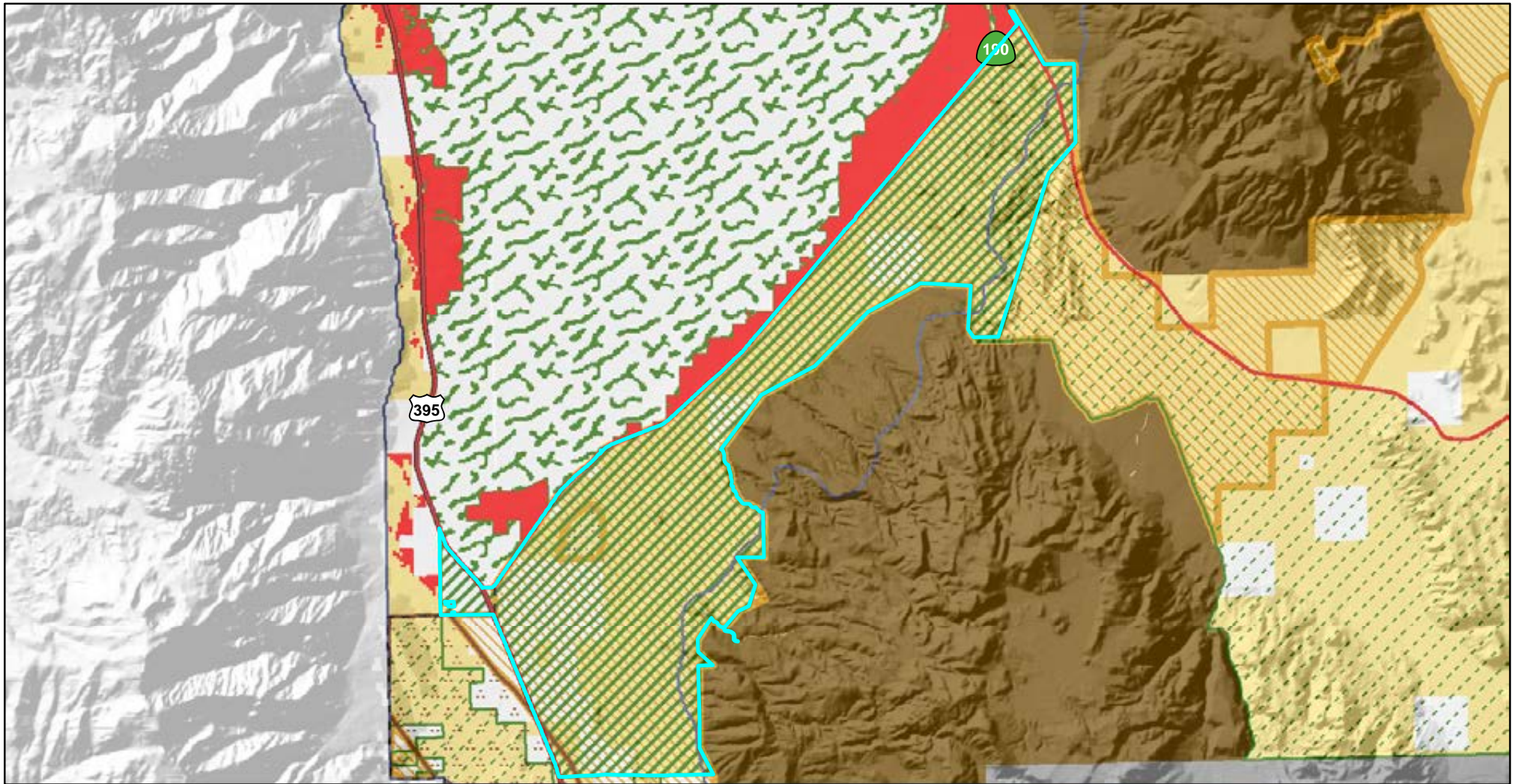
**Olancha Greasewood  
Alternative 3**

8/27/2015











Draft Map Boundaries Subject to Change





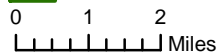




**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
- ACEC Boundaries**
-  0.1% Disturbance Cap
-  0.25% Disturbance Cap
-  1% Disturbance Cap
-  DRECP Boundary
-  CDCA Boundary
-  OHV Boundary
-  Transmission Corridor
- Renewable Footprint**
-  Variance Lands

- Land Status**
-  Bureau of Land Management
  -  Department of Defense



**Olancha Greasewood  
Alternative 4**

8/27/2015

Draft Map Boundaries Subject to Change



## Owens Lake

**National Conservation Lands Ecoregion:** Not in CDCA

**Description/Location:**

This unit is located approximately 10 miles southeast of Lone Pine, CA and encompasses all BLM-administered lands within the following described boundaries: U.S. Highway 395 on the west, State Highway 136 on the northeast, and State Highway 190 on the southwest.

**Nationally Significant Values:** Not eligible for NCL proposal under PL 111-11 because it is not in CDCA.

**Special Designations/Management Plan/Date:** No previous special designation.

**Relevance and Importance Criteria:**

The Owens Lake unit includes significant historic and cultural values, including sensitive archaeological and cultural resources that are important to Native Americans and vulnerable to adverse change; and wildlife and plant resources including bird habitat of recognized national importance, sensitive species habitat and rare plant communities.

**Cultural:**

The Southern Owens Valley Mortuary Complex is composed of twelve spatially distinct archaeological sites that contain similar assemblages including enigmatic artifact and rock mound features. Nine of these site types are located on BLM managed land. Four of these sites are located within the Keeler Dunes, while four others are located in unnamed dunes that are adjacent to the eastern shore of the Owens Dry Lake, and another site is located on the northwestern shoreline. In addition to the numerous features comprised of artifacts, the presence of human remains at most of these sites is most intriguing. It has become apparent that these features had an important role in burial ceremonies late in prehistory. The importance of these sites and their protection is paramount to the extant Native Americans in the region and these sites have been determined to be eligible by the BLM, but have not been formally nominated. In addition to these mortuary sites greater than fifty other prehistoric sites and several dozen historic sites occur within the proposed unit.

**Biological:**

Owens Lake is a nationally significant Important Bird Area (IBA) as designated by the National Audubon Society. The lake is an important corridor for shorebirds and waterfowl, with brine flies supporting thousands of shorebirds in the spring and fall, and wetlands along the edges of the lake supporting thousands of ducks. Snowy Plover are known to breed on the lake as do many alkali marsh birds. Snow geese overwinter in the IBA. In addition to the birds drawn to the area for the water, several raptors that prey on these species have been documented in the unit, including Golden Eagle, Bald Eagle, Peregrine Falcon, and Prairie Falcon. Some areas within the ACEC provide a combination of meteorological, geological, hydrological, topographical features that have been identified as important climate refugia (slow/minimized climate changes) for wildlife species.

The southeastern edge of the unit contains greasewood, an unusual plant assemblage as described in the California Desert Conservation Area plan (1980). The unit also contains an alkali meadow community, designated by California Department of Fish and Wildlife as a rare plant community. Both of these communities are associated with BLM sensitive plants and alkali meadows are associated with the Owens Valley vole, also a BLM sensitive species.

The Keeler dunes, on the northeastern edge of the unit, support the Owens sand dune snout beetle, a rare beetle.

**Grazing Allotment:** This unit overlaps with the Lacey-Cactus-McCloud Allotment.

**Overarching Goals:**

Protect cultural resources in the unit.

Protect biological resources in the unit.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II.

**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	10,266	0	0.10%
1	0	10,600	0	0.10%
2	0	9,200	0	0.10%
3	0	10,600	0	0.10%
4	0	1,000	0	0.10%

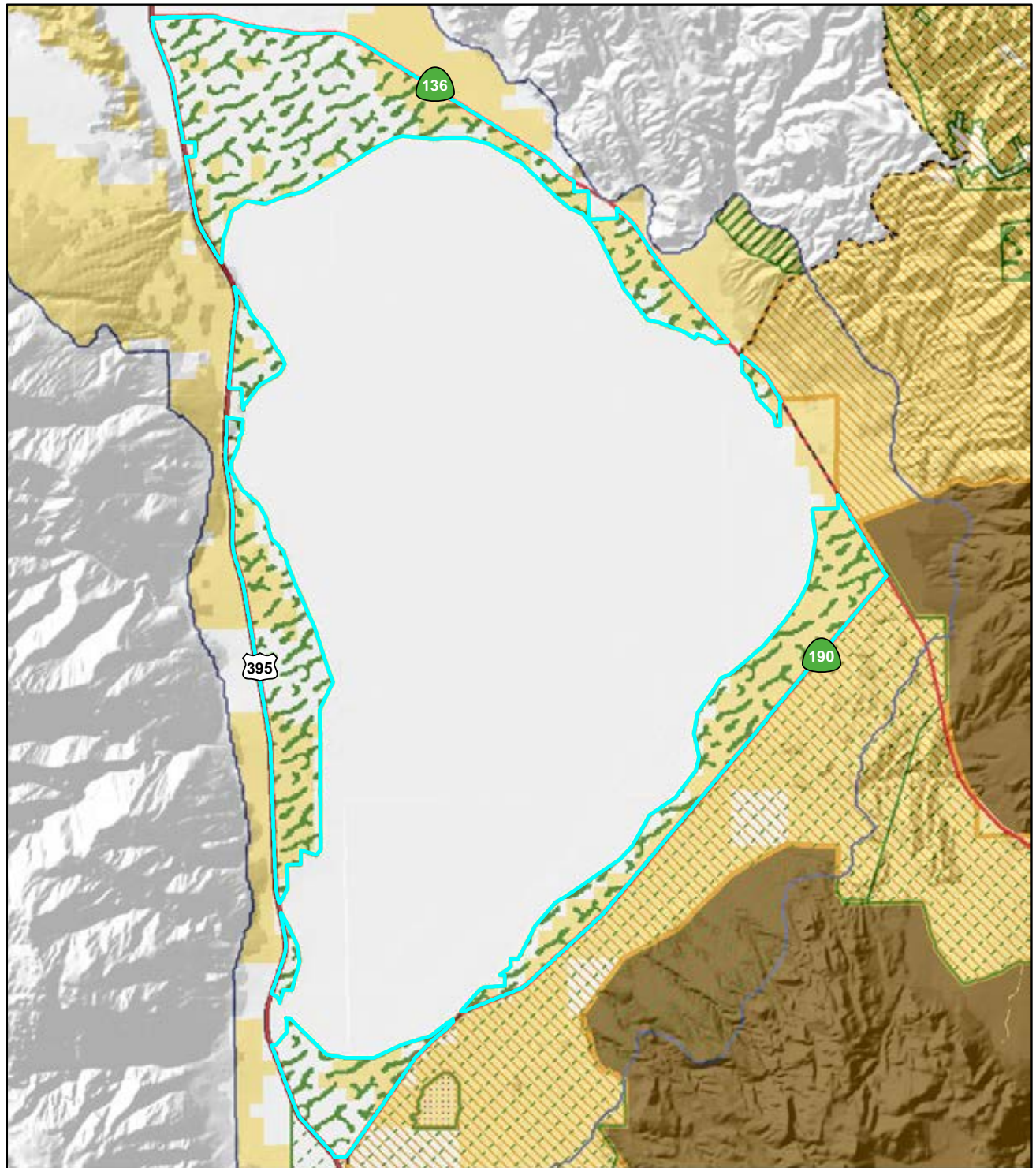
\* Acreage values are for BLM managed lands

Objectives (desired future conditions) /Allowable Uses/Management Actions	Resource
Objective: Stabilize dunes for protection of cultural resources and to limit PM10 emissions.  Allowable uses: Uses that are scientific, that involve non-motorized recreation, or that would not adversely affect the cultural resources.	Soil, water, air
Objectives: Maintain/promote rare and unique plant communities including alkali meadows and the Olancha Greasewood plant assemblage. Maintain/promote Special Status Plants and their habitat, including but not limited to:	Vegetation - Including special status plant species











<p>Manage alkali meadow as a rare plant community which may include BLM sensitive plants <i>Calochortus excavatus</i>, <i>Sidalcea covillei</i>, <i>Plagiobothrys parishii</i>.  Manage greasewood salt flats for BLM sensitive plant, <i>Loeflingea squarosa</i>.  Retain the following RMP guidance (1993 Bishop RMP):  Yearlong Protection of endangered, threatened, candidate, and sensitive plant and animal habitats – no discretionary actions which would adversely affect target resources would be allowed.  Manage to achieve Desired Plant Community goals:</p> <ul style="list-style-type: none"> <li>• DPC for Sand Dunes in the Owens Lake and South Inyo Management Areas: The goal is to insure adequate vegetative cover and microclimatic conditions for <i>Trigonoscota owensi</i>, Owens sand dune snout beetle.</li> <li>• DPC for the Section 22 Spring Complex and Springs and Associated Wetlands in the Owens Lake Management Area: The goal is to maximize essential habitat characteristics for migratory and resident bird species.</li> </ul> <p>Management Actions:  Survey for BLM Sensitive species; identify current occupied and potential habitat.  Prevent invasive plant infestations from impacting rare and unique plant communities.  Manage in accordance with current policy and RMP guidance, including Yearlong Protection of listed and BLM Sensitive species habitats.</p>	
<p>Objectives:  Manage dunes for Owens sand dune snout beetle (rare).  Manage alkali meadow for Owens Valley vole (BLM Sensitive).  Manage for the protection of migratory birds and for raptors including Golden Eagle, Bald Eagle, Peregrine Falcons, Prairie Falcon.  Manage for LeConte’s Thrasher (BLM Sensitive species elsewhere in the state but not in this area, due to lack of data).  Manage for protection of desert tortoise (Federal Threatened) if present.  Manage for protection of important bird area.</p> <p>Actions:  Survey for BLM Sensitive species, desert tortoise, LeConte’s Thrasher, and Owens sand dune snout beetle; identify current occupied and potential habitat.  Identify and implement actions to conserve and improve habitat conditions.</p>	<p>Fish and Wildlife -  Including special status fish and wildlife species</p>
<p><b>Objective 1:</b> Protect biodiversity and manage for resilience (protect climate refugia and provide for migration corridors).</p> <p>Management Action 1: Prioritize habitat enhancement in areas expected to provide for the greatest level of resiliency (good response or rehabilitation results after significant disturbance such as fire) and or resistance to change (e.g. climate refugia).</p> <p>Management Action 2: Consider actions that enhance the primary productivity of climate refugia with native species restoration, reduced soil surface disturbance, and habitat infrastructure to increase carrying capacity of refugia</p>	<p>Climate Change and Adaptation</p>

<p>(e.g., wetland, oasis).</p> <p>Management Action 3: Maintain migration corridor integrity by minimizing obstructions (fences, roads), disturbances (limiting access to water and shade during peak temperatures) and habitat fragmentation.</p> <p><b>Objective 2:</b> Maintain and or enhance key ecosystem processes (e.g., carbon sequestration, water residence time) and prepare and respond to significant disturbances to the environment (e.g. floods).</p> <p>Management Action 1: Develop proactive and responsive management actions for potentially dangerous and damaging disturbances to the environment, which are exacerbated by climate change (e.g. wildfire, flash floods, etc.).</p> <p>Management Action 2: Minimize carbon sequestration losses from management activities by reducing impacts to vegetation, soil structure and soil biota.</p> <p>Management Action 3: Leverage disturbance events and other landscape changes, when possible, as opportunities to assess climate adaptation actions. For example, revegetation objectives for projected climate scenarios benefiting multiple ecosystem services (habitat and carbon sequestration objectives).</p>	
<p>Objective: Limit or design all undertakings to a level below the threshold for an Adverse Effect.</p> <p>Allowable Uses: Yearlong Protection of mortuary complex and any significant cultural resources. No discretionary actions which would adversely affect target resources would be allowed.</p> <p>Consider the resources on the landscape level and limit any activities that would alter the setting, context, or feel of the dune complex.</p> <p>Management Actions: Manage the resource in manner consistent with Advisory Council on Historic Preservation and SHPO guidance for the protection of pre-historic cemeteries. Consider the potential impacts within the landscape level for impact analysis. Engage the appropriate tribal entities in consultation regarding these resources which have been identified as having religious and spiritual importance.</p> <p>See programmatic ACEC cultural resources objective and action items in general resource rules</p>	Cultural Resources
<p>Objective: Retain the appearance and setting of the historic landscape. Allowable Uses: uses that would not negatively impact the historic or ethnographic setting above the threshold for an adverse effect determination.</p> <p>Management Actions: Manage the resource in manner consistent with the</p>	Visual Resources

Advisory Council on Historic Preservation guidance for landscape level analysis.	
Manage in accordance with current policy and RMP guidance: Vehicle travel is restricted to existing roads and trails.	Trails and Travel Management
Objective: Consolidate through tenure adjustment. Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.	Land Tenure
Objective: Protect resource values of the ACEC Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.	Rights of Way (ROW)
Not an allowable use. Renewable energy development is not compatible with unit values and criteria.	Renewable Energy
Manage in accordance with current policy and RMP guidance, including the following: Prohibit geothermal exploration and development when it conflicts with significant cultural resources, habitat for endangered, threatened, and candidate species, or other species of management concern (1993 Bishop RMP).	Locatable Minerals Mineral Materials Non-Energy Leasable



**Conservation Footprint**

- |   |   |   |
|---|---|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary          | <b>Land Status</b>  |
|  National Conservation Lands             |  CDCA Boundary           |  Bureau of Land Management |
| <b>ACEC Boundaries</b>  |  OHV Boundary            |   |
|  0.1% Disturbance Cap                    | <b>Renewable Footprint</b>  |   |
|  0.25% Disturbance Cap                   |  Development Focus Areas |   |
|  1% Disturbance Cap                      |   |   |

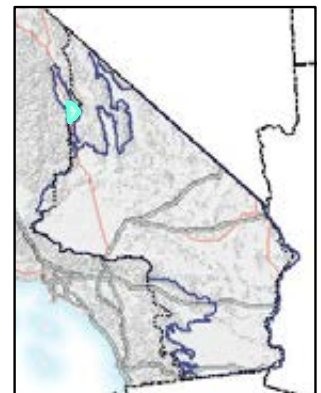
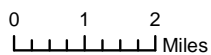
**Owens Lake**

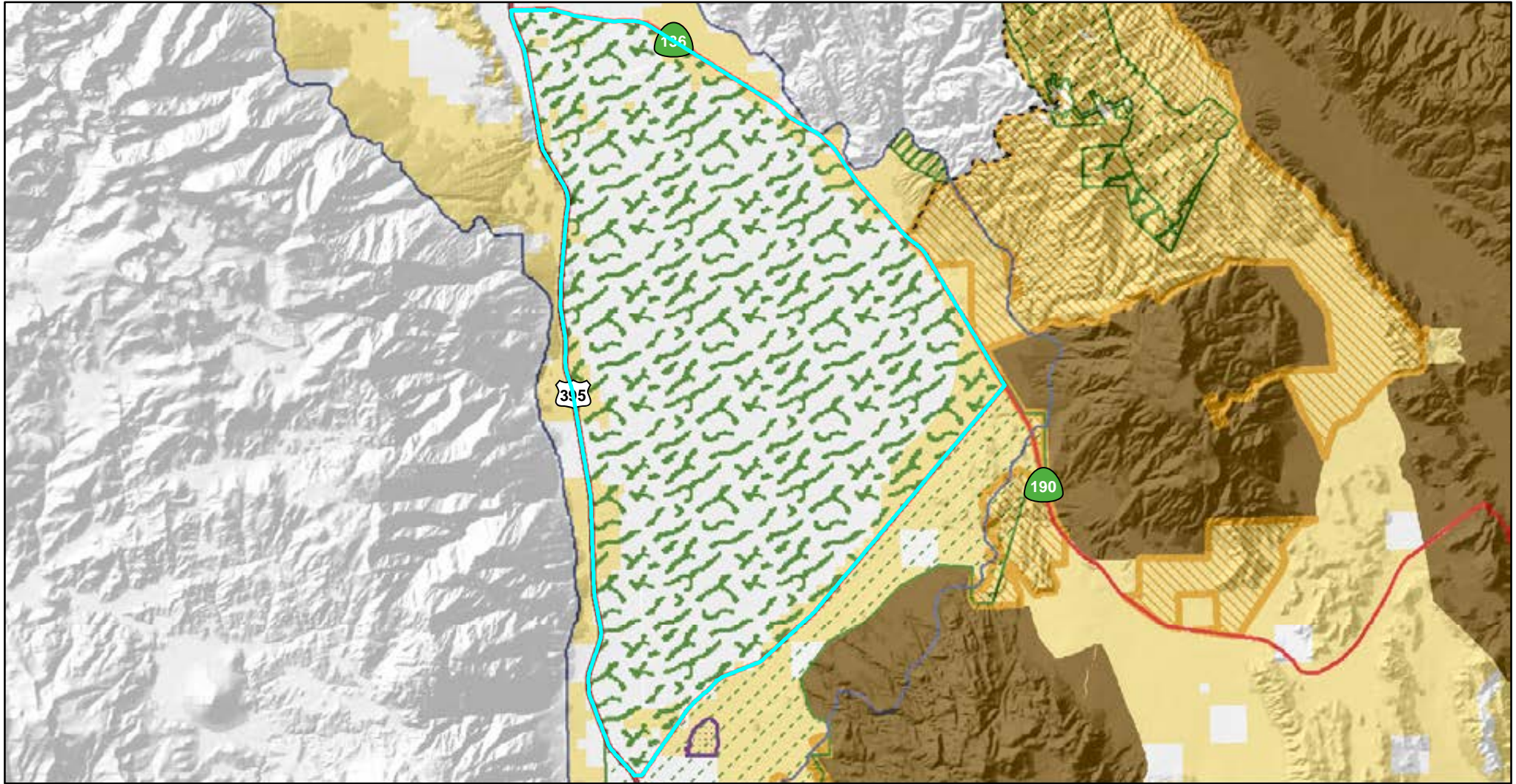


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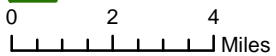
Draft Map Boundaries Subject to Change





**Conservation Footprint**

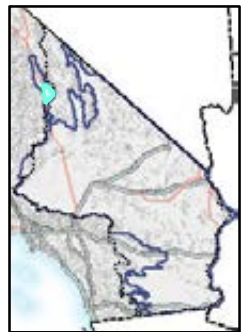
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|--|---|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary          | <b>Land Status</b>  |
|  National Conservation Lands             |  CDCA Boundary           |  Bureau of Land Management |
| <b>ACEC Boundaries</b>   |  OHV Boundary            |   |
|  0.1% Disturbance Cap                    | <b>Renewable Footprint</b>  |   |
|  0.25% Disturbance Cap                   |  Development Focus Areas |   |
|  1% Disturbance Cap                      |  Variance Lands          |   |



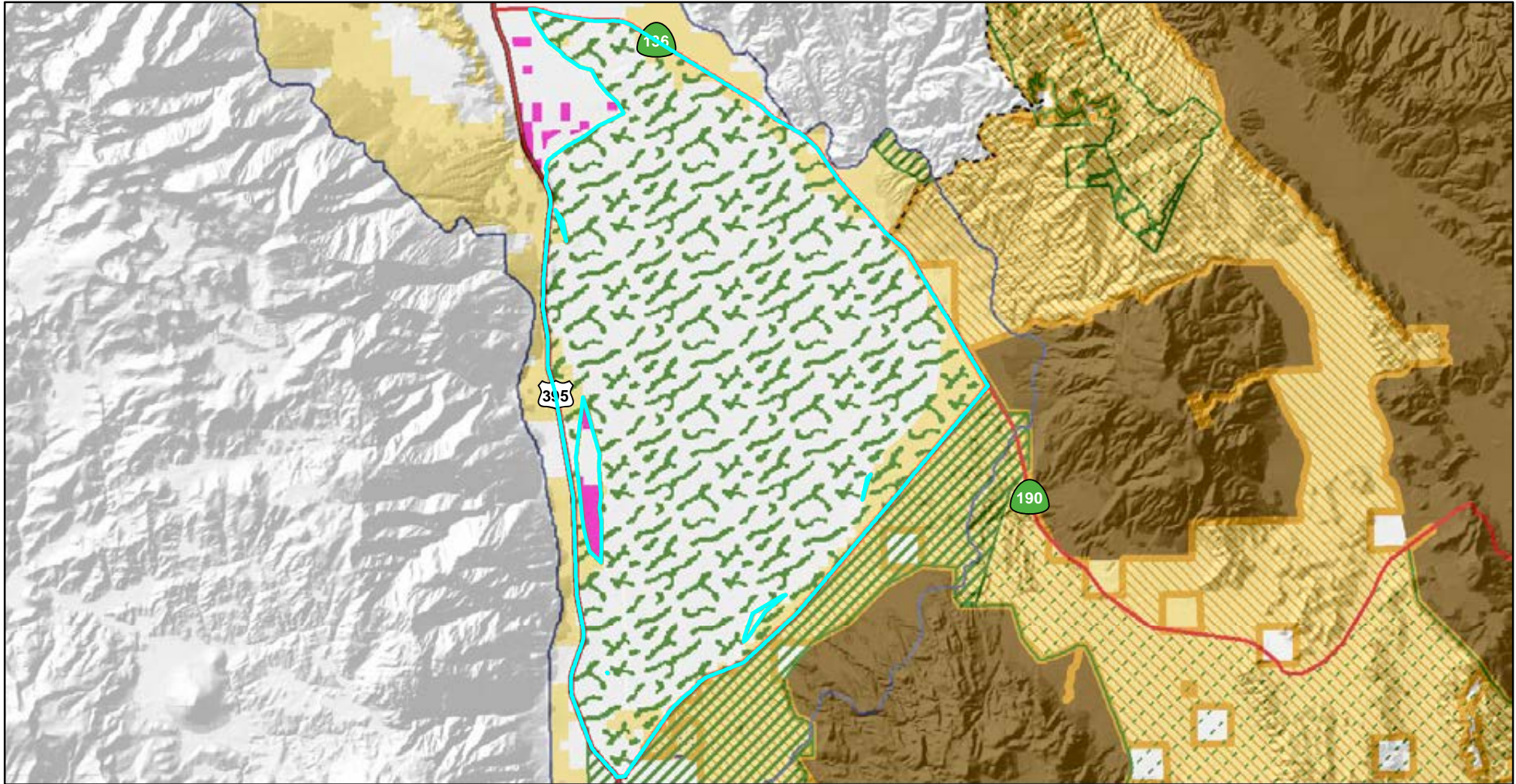
**Owens Lake  
Alternative 1**

8/25/2015






Draft Map Boundaries Subject to Change








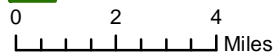


**Conservation Footprint**


-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  DRECP Boundary
-  CDCA Boundary
-  OHV Boundary

**ACEC Boundaries**


-  0.1% Disturbance Cap
-  0.25% Disturbance Cap
-  1% Disturbance Cap



**Land Status**

-  Bureau of Land Management

**Renewable Footprint**

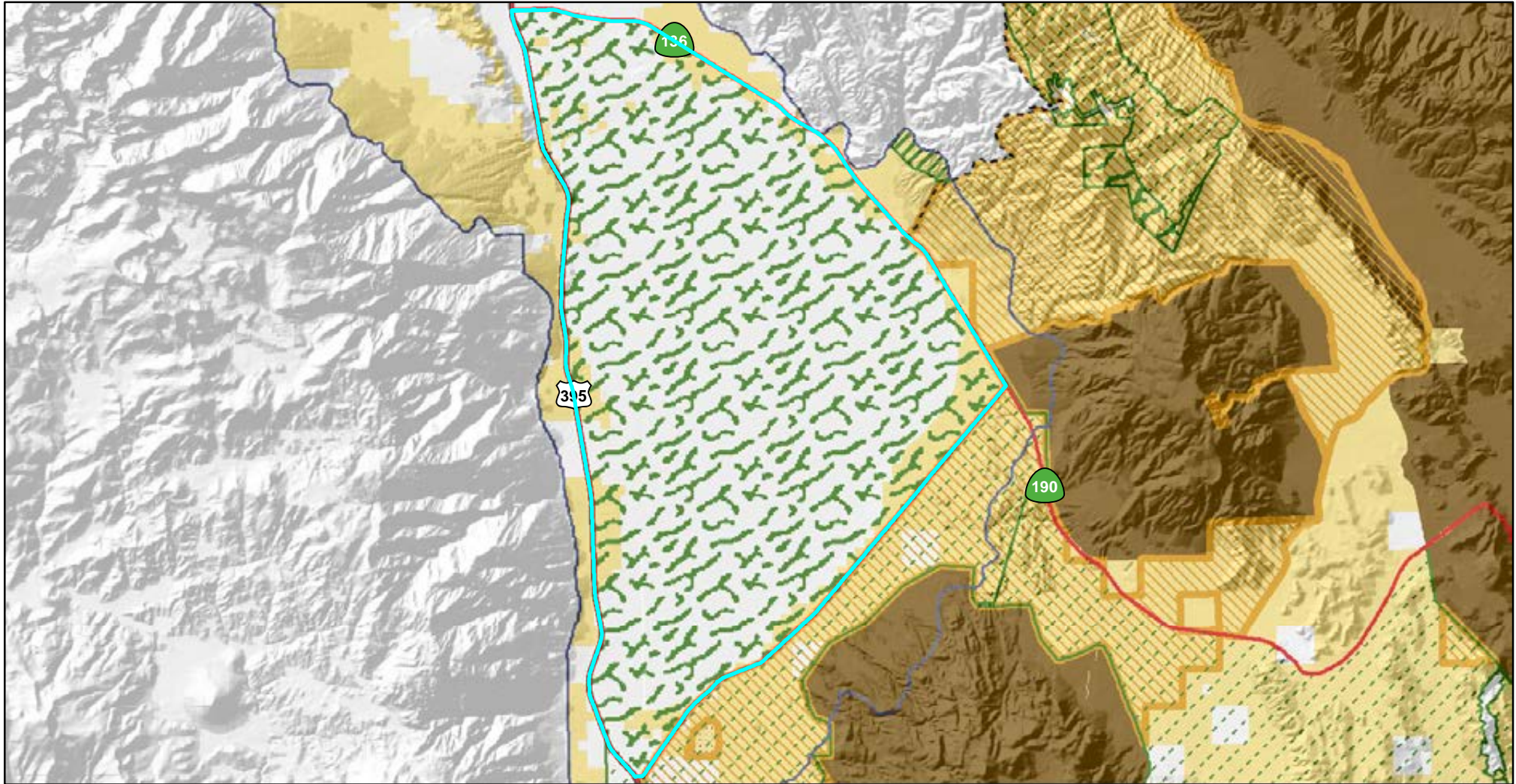
-  Development Focus Areas

**Owens Lake  
Alternative 2**






8/26/2015

Draft Map Boundaries Subject to Change






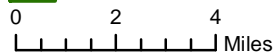


**Conservation Footprint**


-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  DRECP Boundary
-  CDCA Boundary
-  OHV Boundary

**ACEC Boundaries**


-  0.1% Disturbance Cap
-  0.25% Disturbance Cap
-  1% Disturbance Cap



**Renewable Footprint**

-  Development Focus Areas

**Land Status**

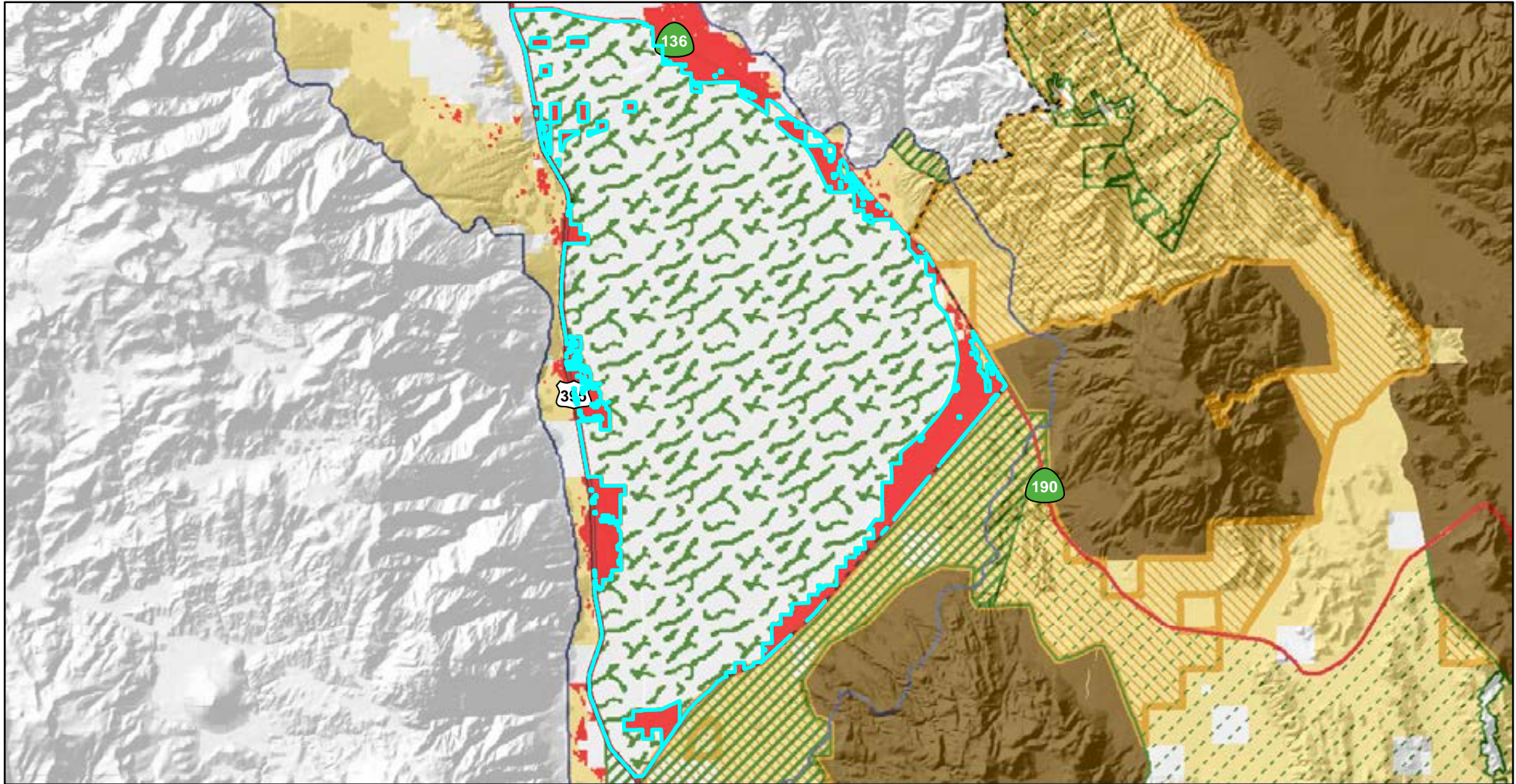
-  Bureau of Land Management

**Owens Lake  
Alternative 3**

8/27/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

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  DRECP Boundary

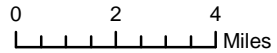
National Conservation Lands
  CDCA Boundary

**ACEC Boundaries**
 OHV Boundary

0.1% Disturbance Cap
  Renewable Footprint

0.25% Disturbance Cap
  Development Focus Areas

1% Disturbance Cap
  Variance Lands



**Land Status**

Bureau of Land Management

**Owens Lake  
Alternative 4**

8/27/2015

Draft Map Boundaries Subject to Change



## Panamint/Argus

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Panamint/Argus, subdivided into 2 units: Panamint Lake Unit and the Mountain Unit. Located between Argus Wilderness and Death Valley National Park.

### **Nationally Significant Values:**

**Ecological:** This area encompasses an essential movement corridor which links wildlife habitats in the China Lake Naval Air Weapons Station and Argus Wilderness to those protected by the Death Valley National Park. This corridor was developed by the SC Wildlands group (Science and Collaboration for Connected Wildlands). SC Wildlands was part of a team that worked with the California Departments of Transportation and Fish and Game on a statewide habitat connectivity effort from which this unit was developed. The habitat suitability and movement needs of over 40 selected focal species were used in this process. Desert Bighorn sheep and Mojave ground squirrels are two of those focal species that occur here. In addition, the area provides excellent habitat for foraging and nesting of numerous raptor species, including golden eagles and prairie falcons. The Slate, Argus, and Panamint Mountain ranges would be included in this large unit. These ranges provide habitat for Nelson's desert bighorn sheep, Townsend's big-eared bats, and the federally threatened Inyo California towhee. The abandoned mines in this area have historically housed the largest maternity colonies of Townsend's big-eared bats in the Western Mojave Desert. It is likely that unsurveyed mines in the Slates and Argus Range also house large colonies. The area also includes Mohave ground squirrel (MGS) core habitat within the MGS Conservation Area. This is 1 of only 11 core population centers.

**Cultural:** There are numerous prehistoric and historic sites in the area encompassed by the unit. Panamint Lake was an important location in prehistory when water and riparian resources were abundant, allowing prehistoric Native Americans a refuge from the harsh environment around them. The Lake has many National Register eligible properties and has ethnographic significance to several Paiute and Shoshone Tribal groups today.

Sites in this area may be eligible for listing on the National Register of Historic Places as districts, trail systems, or individual sites under any of the National Register Criteria. The entire valley is well preserved from development and may constitute a nationally significant cultural landscape.

**Scientific:** Because development has been limited, the potential for scientific research is high.

**Special Designations/Management Plan/Date:** Proposed ACEC (but encompasses Surprise Canyon ACEC, Warm Sulfur Springs and Great Falls Basin ACECs, all of which are currently designated ACECs).

**Relevance and Importance Criteria:** Panamint Valley is the only remaining, large, undeveloped valleys in the Ridgecrest Field Office area. The area contains unique desert wetland communities, including mesquite bosques and freshwater & saltwater marshes. Endemic fairy shrimp occur in the lake. Panamint Lake is the remains of a terminal Pleistocene lake originally 700 feet deep. The lake contains ephemeral wetlands with perennial pools at freshwater springs located along the lake margins. It encompasses 2 major springs, Post Office Springs & Warm Sulphur Springs, which are classified as jurisdictional wetlands. In California, Utah pickleweed occurs only in this area and in adjacent DVNP. The bosques & wetlands are prime stop-over and wintering habitats for migratory birds, as well as important areas for nesting birds. The riparian areas produce insect prey for native birds, bats, reptiles, & amphibians and provide shelter to Desert Bighorn Sheep. When filled with water, this shallow lake has outstandingly scenic reflections of the surrounding

mountains. The terrestrial and aquatic natural communities provide an additional ecosystem service of carbon sequestration. Some areas within the ACEC provide a combination of meteorological, geological, hydrological, topographical features that have been identified as important climate refugia (slow/minimized climate changes) for wildlife species.

It would also include Redland Springs located east of the Briggs mining claim. Redlands Spring provides essential habitat for the Redlands Canyon herd of bighorn sheep and for the Townsend's big-eared bat maternity colonies in the area. The Panamint Mountains are home to the endemic Panamint Daisy and Panamint Alligator Lizard. Part of this ACEC falls within the West Panamint Mountains Wildlife Habitat Management Plan (WHMA) area. According to a 1982 management plan prepared under the Sikes Act, this area contains "unique and significant habitat and species which will be afforded special consideration in the environmental assessment process for other proposed land uses."

The area includes several historic mining sites and features in the Slate, Panamint, and Argus Ranges. Mining in this region was an integral part of the development of this part of California, particularly in the Death Valley and Owens Valley region. Many of the sites in these ranges are exceptionally well-preserved, with still standing structures. Many of these sites are associated with the historic Nadeau Trail. Panamint Dry Lake also has the potential for paleontological deposits.

**Recreation Area:** This unit overlaps with the Panamint Valley and North Searles SRMAs.

**Overarching Goals:** Protect Nelson's bighorn sheep (*Ovis canadensis nelson*), bat species, Panamint alligator lizard (*Elgaria panamintina*), Inyo California towhee, desert tortoise, Mojave ground squirrel, and resident and migrating bird species and protect their habitats. Protect wetland, aquatic and riparian habitats and their associated plant communities and wildlife assemblages, specifically mesquite bosques and marshes, and isolated seeps and springs, that are rare ecosystems in the desert. Protect BLM special status plant species such as the Panamint daisy (*Enceliopsis covillei*). Protect paleontological resources. Preserve unique geologic/hydrologic features. Preserve scenic views and existing low impact recreational opportunities. Protect the critical connectivity corridor between the Argus, Slate and Panamint Ranges, and between Panamint Valley and undeveloped lands to the south, allowing unimpeded movement of wildlife and preventing habitat fragmentation. Protect unique cultural resources, both prehistoric and cultural. Preserve National Register eligible properties and retain ethnographic significance to Native American tribes.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative: Panamint Lake**

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	21,739	21,739	0	1%
1	10,000	21,800	0	1%
2	102,300	102,300	0	0.25%
3	76,100	101,100	0	1%
4	77,300	102,300	0	0.25%

**Designation and Acreage by Alternative: Mountain Unit**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
Preferred Alternative	77,932	103,808	0	1%
1	59,332	0	105,318	Wildlife Allocation
2	77,530	102,492	0	0.25%
3	75,974	100,923	0	1%
4	77,484	102,433	0	1%

\* Acreage values are for BLM managed lands

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Actions: Ensure soils to 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.</p> <p>Objective: Protect the hydrologic flow regime in all of the wetlands, springs, and riparian areas</p> <p>Allowable Uses: Existing water rights. Remove any unauthorized developments.</p>	Soil, water, air

<p>Management actions: Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are function and achieving physical and biological objectives.  Monitor Proper Functioning Condition and restore natural flow stream morphology when needed  Monitor water uses</p> <p>Maintain the vehicle closure in Surprise Canyon beyond Chris Wicht Camp until a final decision is reached about vehicle use in the canyon corridor and/or Wild and Scenic River legislation is passed.  Follow proper procedures for eliminating ROWS and removing developments where they are no longer in use or are not being used for the (mostly mining) purposes for which they were granted.  Check status of all wells on public lands in the area.  Protect federal reserve water rights in wilderness.  Remove excess burros to protect seeps, springs, and riparian habitat in the area.  Maintain protective burro enclosure fences around seeps, springs, and riparian areas.  Consider more protective fencing as needed.</p>	
<p>Objective: Protect the following special status plants by ensuring habitat is in a stable or improving condition to keep the species from becoming listed under the ESA.  Management Action: Protect and monitor populations of special status plants  Panamint daisy (<i>Enceliopsis covillei</i>)  Panamint Mountains buckwheat (<i>Eriogonum microthecum var. panamintense</i>)</p> <p>Panamint dudleya (<i>Dudleya saxosa ssp. saxosa</i>)  Death Valley Sandpaper plant (<i>Petalonyx thurberi sub gilmanii</i>)  Death Valley round-leaved phacelia (<i>Phacelia mustelina</i>)  Darwin Mesa milk-vetch (<i>Astragalus atratus var. mensanus</i>)  Wildrose Canyon buckwheat (<i>Eriogonum eremicola</i>)</p> <p>Management Action: Prohibit collection of plants except by permit.  Maintain special camping and use restrictions (collecting of firewood) within the mesquite bosques in the Panamint Lake Unit and within the heavily-used riparian areas in Surprise Canyon.  In Surprise Canyon, implement an interim trail maintenance program to allow for foot traffic through the canyon. This would stop damage and loss to the riparian area caused by casual use, trail braiding, and unauthorized trail clearing.  Eliminate exotic vegetation, especially tamarisk.</p>	<p>Vegetation (incl. special status species)</p>
<p>Objective: Prevent habitat fragmentation, which impedes wildlife movement.  Management Action: Maintain wildlife connectivity between wilderness areas to maintain/increase genetic diversity</p>	<p>Fish and Wildlife (incl. special status species)</p>

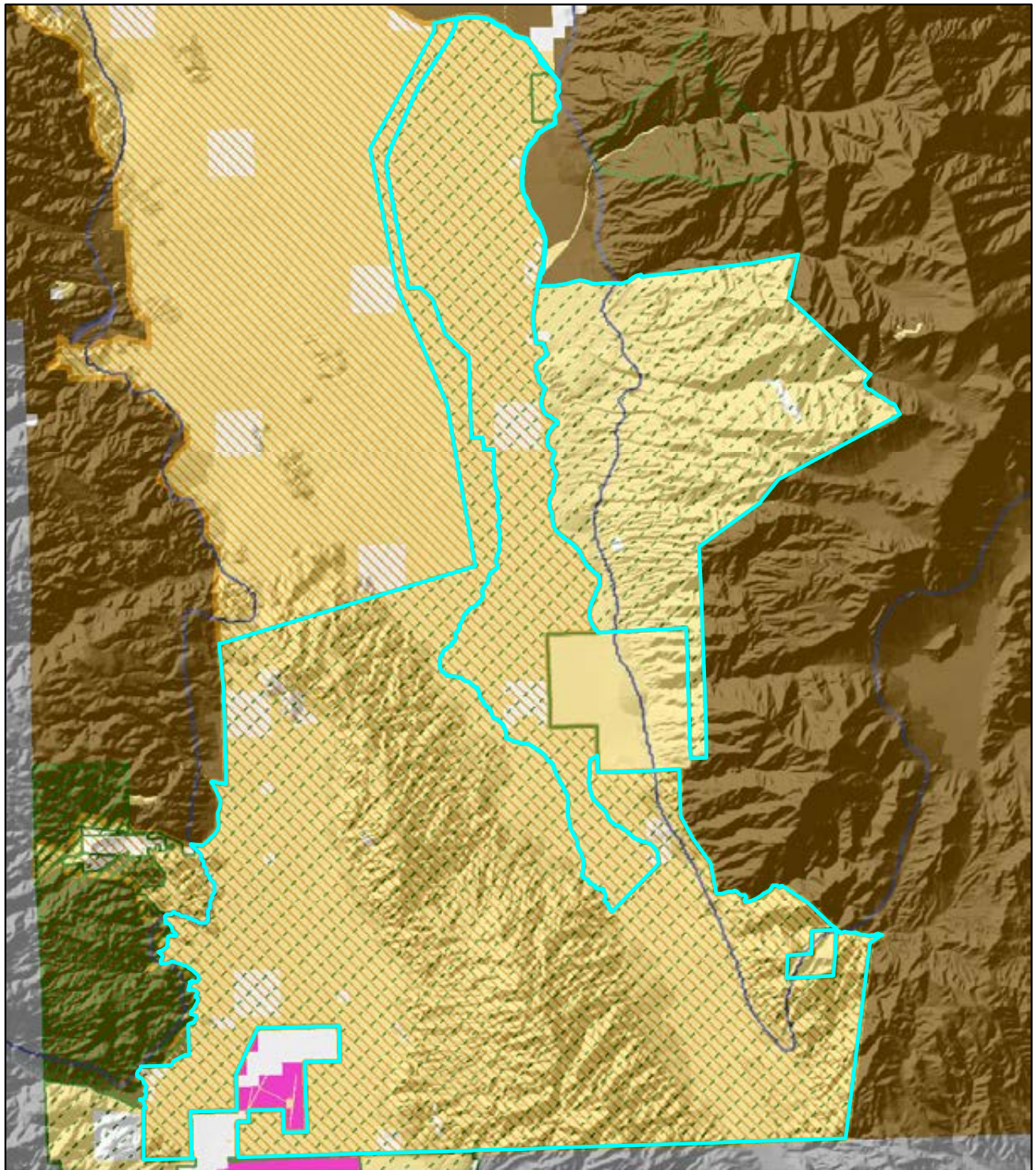
<p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:  Management Action: Designate Desert Bighorn Sheep as a priority species for management and protection along with other sensitive species:</p> <p>Inyo California towhee (<i>Pipilo crissalis eremophilus</i>) Federally threatened  Townsend’s big-eared bat (<i>Corynorhinus townsendii townsendii</i>) BLM Sensitive  Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened  Mohave ground squirrel (<i>Spermophilus mohavensis</i>) State threatened  Pallid bat (<i>Antrozous pallidus</i>) BLM Sensitive  Western mastiff bat (<i>Eumops perotis californicus</i>) BLM Sensitive  Panamint alligator lizard (<i>Elgaria panamintina</i>) BLM Sensitive  Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern  Ring-tailed cat (<i>Bassariscus astutus</i>) State Fully Protected</p> <p>Prohibit collection of animals, such as the Panamint Alligator lizard, except by permit.  Inventory mines in the Slates, Argus, and Panamint ranges for bats and suitable bat habitat. Take appropriate measures (install bat gates, develop adequate mitigation sites) to protect bat habitat and insure public safety.  Identify and monitor golden eagle and prairie falcon nests in the area. Take protective measures as needed.</p>	
<p><b>Objective 1:</b> Protect biodiversity and manage for resilience (protect climate refugia and provide for migration corridors).</p> <p>Management Action 1: Prioritize habitat enhancement in areas expected to provide for the greatest level of resiliency (good response or rehabilitation results after significant disturbance such as fire) and or resistance to change (e.g. climate refugia).</p> <p>Management Action 2: Consider actions that enhance the primary productivity of climate refugia with native species restoration, reduced soil surface disturbance, and habitat infrastructure to increase carrying capacity of refugia (e.g., wetland, oasis).</p> <p>Management Action 3: Maintain migration corridor integrity by minimizing obstructions (fences, roads), disturbances (limiting access to water and shade during peak temperatures) and habitat fragmentation.</p> <p><b>Objective 2:</b> Maintain and or enhance key ecosystem processes (e.g., carbon sequestration, water residence time) and prepare and respond to significant disturbances to the environment (e.g. floods).</p> <p>Management Action 1: Develop proactive and responsive management actions for potentially dangerous and damaging disturbances to the environment, which are exacerbated by climate change (e.g. wildfire, flash floods, etc.).</p>	<p>Climate Change and Adaptation</p>



<p>Management Action 2: Minimize carbon sequestration losses from management activities by reducing impacts to vegetation, soil structure and soil biota.</p> <p>Management Action 3: Leverage disturbance events and other landscape changes, when possible, as opportunities to assess climate adaptation actions. For example, revegetation objectives for projected climate scenarios benefiting multiple ecosystem services (habitat and carbon sequestration objectives).</p>	
<p>Objective: Preserve the sense of isolation and vast, unspoiled view shed in this area</p> <p>Allowable uses: The current Great Falls Basin ACEC and Panamint Valley generally, <u>the Briggs Mining Area excepted</u>, have been classified as Class II Visual Resource Management Areas. The objective of this class is to retain the existing character of the landscape. The level of acceptable change to the characteristic landscape should be low.</p> <p>Management Actions: Account for Visual Resource Inventory in all project assessments</p>	Visual Resources
<p>Objective: Limit vehicles to designated routes and prevent unauthorized routes from developing.</p> <p>Allowable Uses: Motorized, Non-motorized, non-mechanized, etc. including casual as well as permitted use.</p> <p>Management Action: Continue and enforce vehicle closure on Panamint Dry Lake. Restrict vehicle use across the lakebed to designated routes.</p> <p>Management Action: Routinely sign and monitor designated routes. Use minimization criteria for designating routes in Mohave ground squirrel areas.</p> <p>Keep routes out of streams and significant riparian areas where good alternatives exist. Where routes need to cross streams and riparian areas, they will be managed appropriately to minimize impacts. Interpret open designated vehicle routes following historic trails, such as the Escape Trail and the Nadeau Trail, through the area. Develop and manage these trails to provide for a high quality, primitive recreational experience, emphasizing scenery and historic significance.</p>	Trails and Travel Management
<p>Objective: Protect sensitive riparian resources (i.e. nesting Inyo CA Towhee) and people from the risk of fire and accidental shooting.</p> <p>Allowable Uses: Impose seasonal and/or permanent restrictions on target shooting in sensitive riparian areas and where large numbers of people congregate to park or camp.</p> <p>Management Actions: Follow-through with the existing Great Fall Basin ACEC recommendation to prohibit target shooting within the original ACEC boundaries in the large wash on the approach to and at the base of the falls. This prohibition is necessary to reduce litter (particularly broken glass) and to protect public safety.</p> <p>Increase compliance with fire restrictions, camping limits, and vehicle use on the designated route system.</p>	Recreation

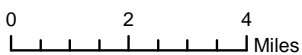
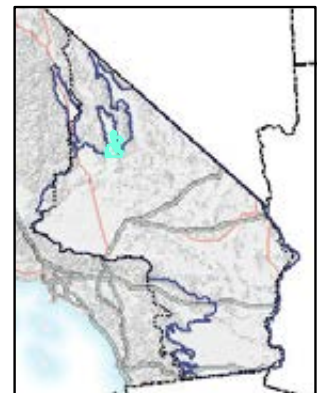
<p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, climbing, rock hounding, astronomy/star gazing, nature study and viewing.</p> <p>Management Action: Increase information to public and compliance, maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis.</p> <p>Enforce prohibitions on camping and firewood collecting in the mesquite bosques on and along Panamint Lake and within the Surprise Canyon riparian zone.</p> <p>Within the original Great Falls Basin ACEC, continue hill climb reclamation, graffiti removal, camping and fire restrictions (no closer than 200 meters from a desert wildlife watering hole), and burro enclosure fences. Extend similar protections as needed to maintain visual resources, protect springs and riparian areas, and to support towhees within the expanded area in Northern Searles Valley and throughout the Argus Range.</p>	
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Allowable Uses: There are several existing ROWs in the area, including roads, power lines, and water pipelines servicing private property, Searles Valley Minerals, the Briggs Mine, and a handful of other active mining and material collection sites in the area.</p> <p>Right-of-way exclusion Area: Critical habitat for Inyo CA Towhee</p> <p>Management Action 1: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p>Management Action 2: Existing water diversions, pipelines, and wells on public lands should be checked for legitimacy of use (authorized ROWS and terms of use) and condition. All unauthorized uses should be terminated and unauthorized developments, unless historic in nature, removed.</p>	Rights of Way
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy

<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area.</p> <p>Allowable Uses: There is one small active mining operation (the Goldbug Mine, a two-pro prospector, hard rock gold mining operation) and one small Inyo County material storage and mixing site for highway maintenance within the proposed ACEC.</p> <p>In addition, there is a ROW associated with the paved portion of the Nadeau Trail, which accesses an active Limestone Quarry on Private Patented Land used by the ACE Co-Generation facility in Trona.</p> <p>There is also a ROW associated with the bypass route around the riparian area in Pleasant Canyon and the improved portion of the upper Pleasant Canyon route. This ROW services the Radcliffe Mine, a gold mine operation on patented private lands.</p> <p>There is one pending proposal for exploratory drilling on Panamint Lake.</p> <p>Exclusion Area: Critical habitat for Inyo California Towhee</p> <p>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.</p> <p>NOTE: The Briggs Mine is incompatible with the goals of this ACEC. The current mine and its larger permitted exploration area have been excluded from the ACEC, as has Brigg's permitted clay collection area on Panamint Lake.</p>	<p>Locatable Minerals Mineral Materials Non-energy Leaseables</p>
<p>Objective: Removal of wild burros and horses in the area to attain the management goals.</p> <p>Management Action: BLM should continue its removal and adoption program to protect seeps, springs, and riparian habitat in the area.</p>	<p>Wild Horse and Burro</p>



Conservation Footprint

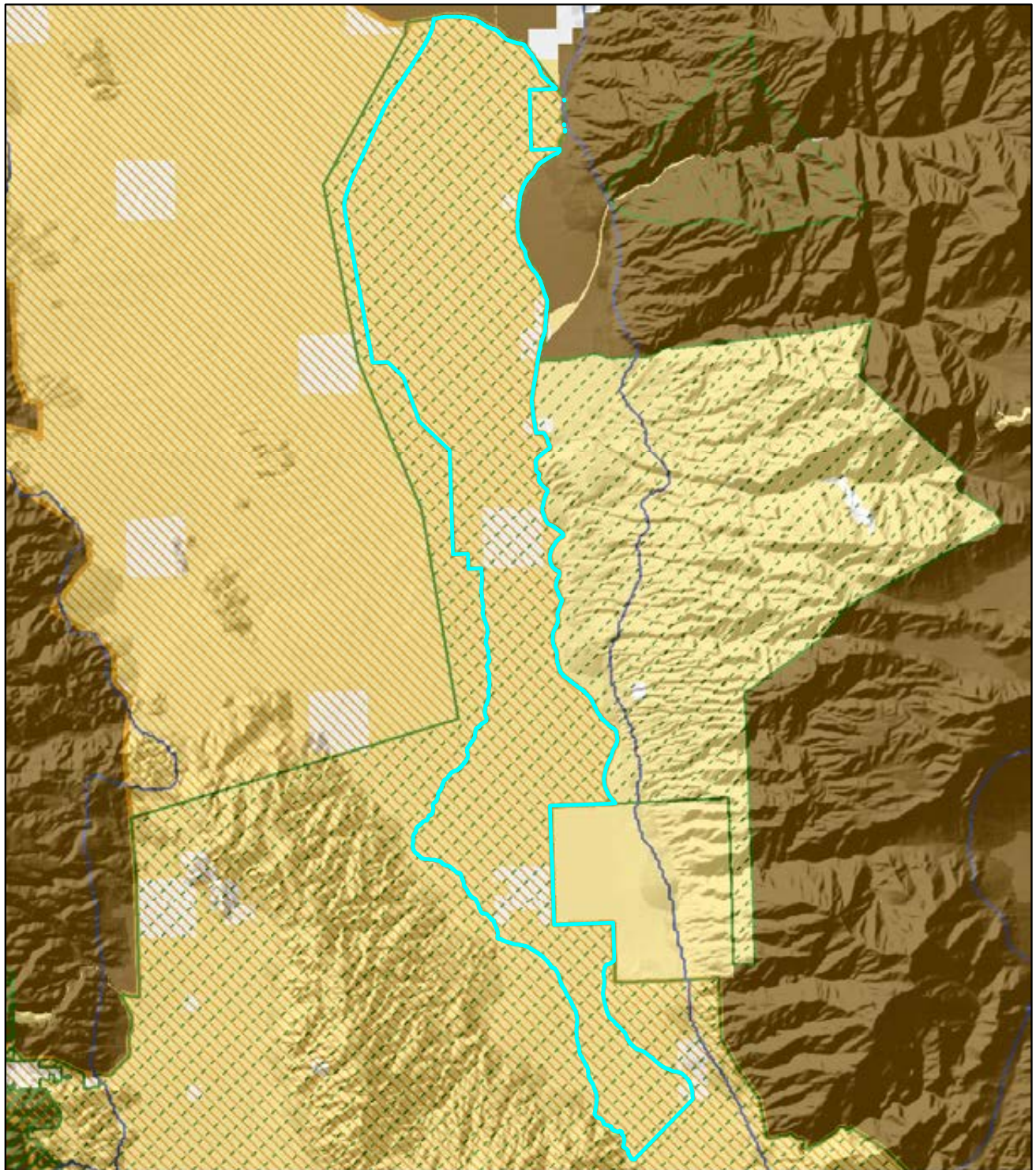
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| National Conservation Lands             | CDCA Boundary              | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  | <b>Renewable Footprint</b> | Department of Defense     |
| 0.25% Disturbance Cap                   | Development Focus Areas    |                           |
| 1% Disturbance Cap                      |                            |                           |



**Panamints and Argus**

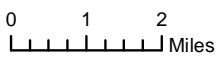
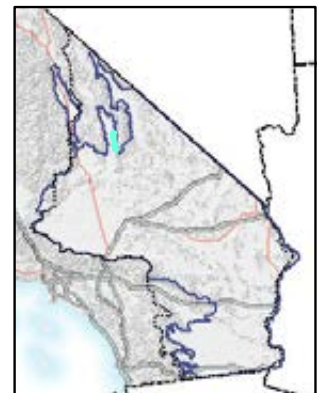
6/25/2015

Draft Map Boundaries Subject to Change



Conservation Footprint

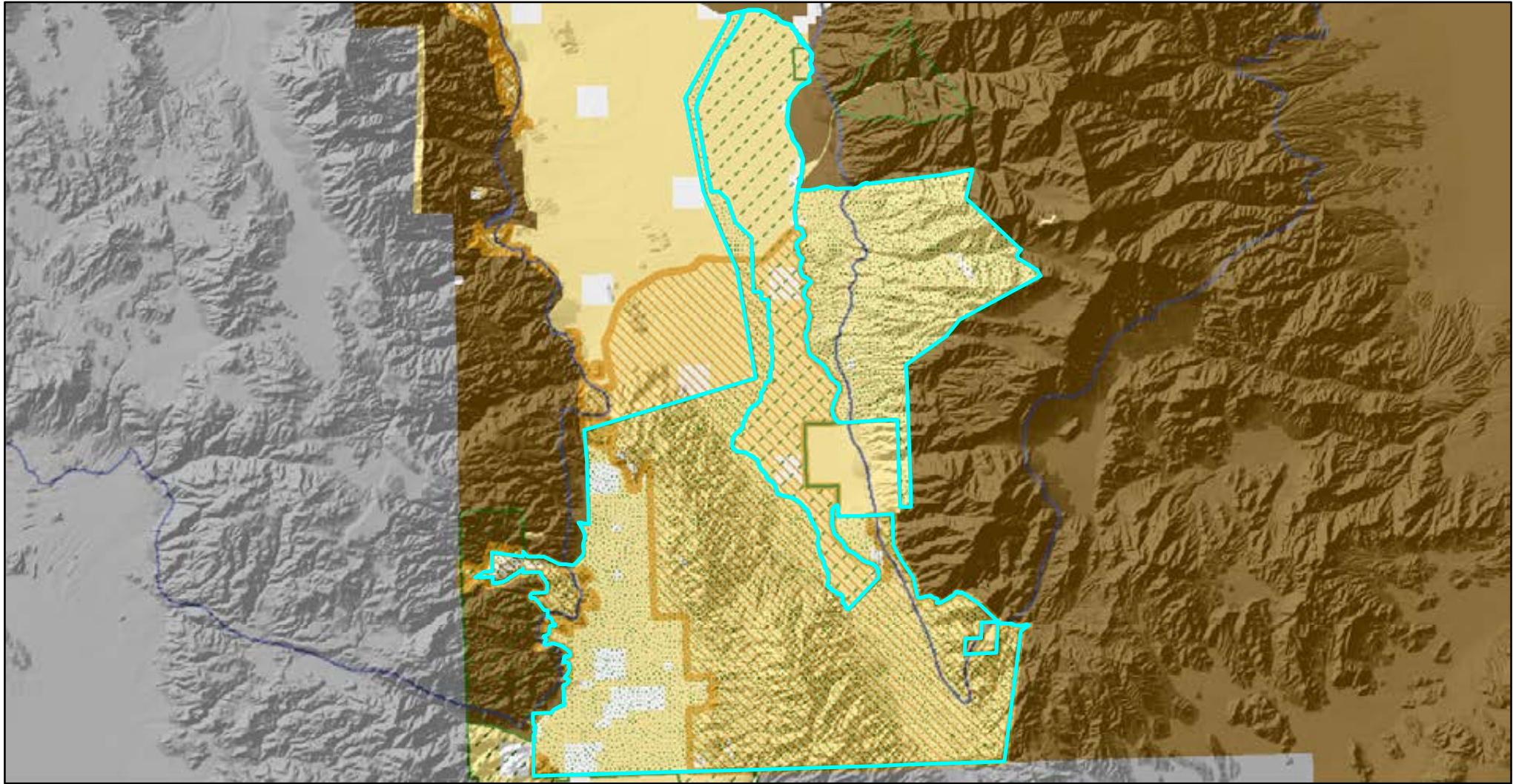
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  - DRECP Boundary
  - National Conservation Lands
  - CDCA Boundary
  - Land Status
  - Bureau of Land Management
- ACEC Boundaries**
- 0.25% Disturbance Cap
  - 1% Disturbance Cap











**Panamint Lake**

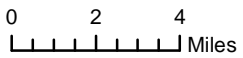
6/25/2015

Draft Map Boundaries Subject to Change



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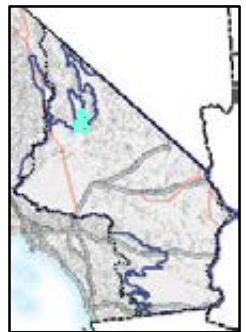
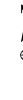
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|--|--|---|
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|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |
| <b>ACEC Boundaries</b>   |  |  Department of Defense     |
|  1% Disturbance Cap                      |  |   |
|  Wildlife Allocation                     |  |   |

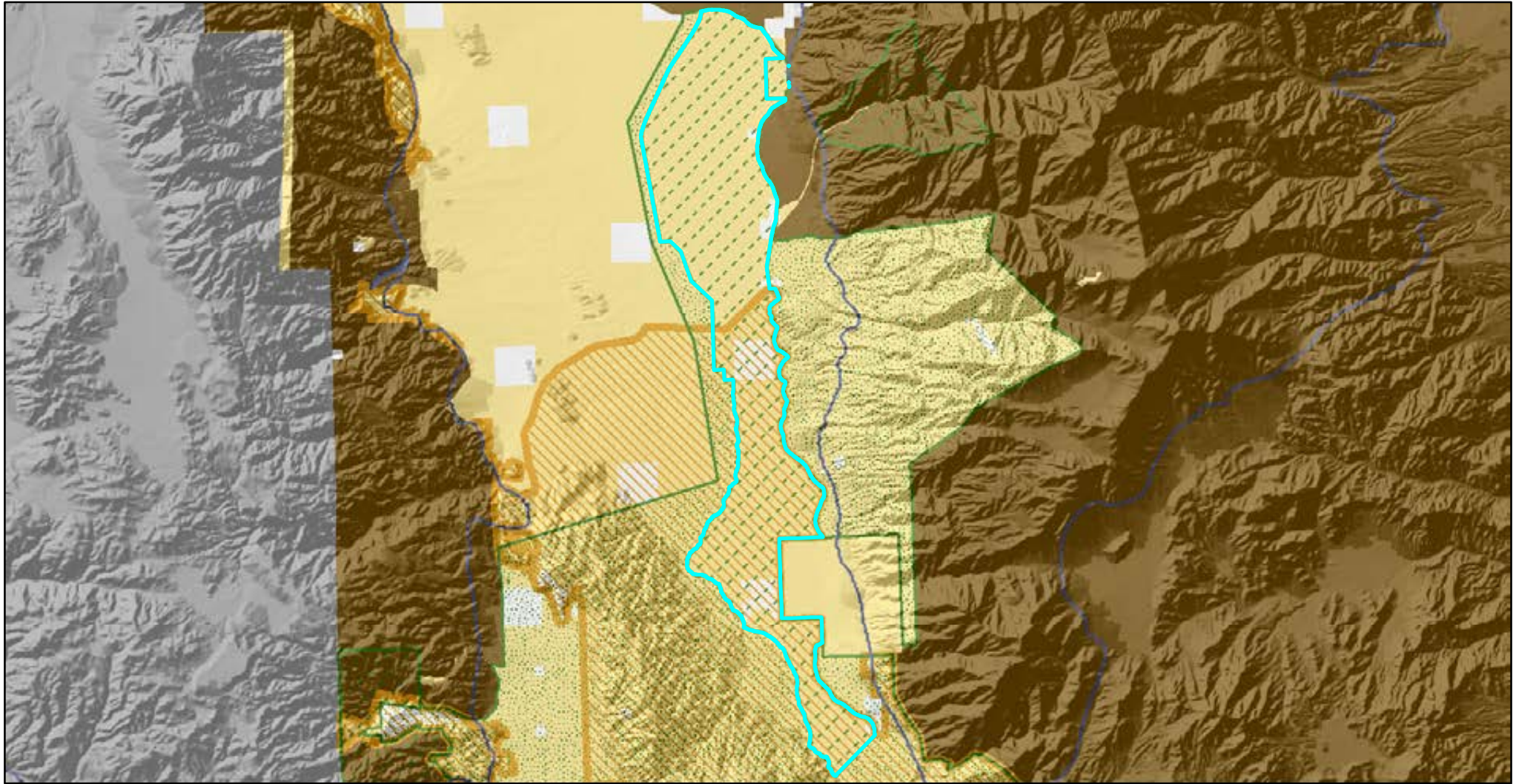


**Panamints and Argus  
Alternative 1**









8/25/2015

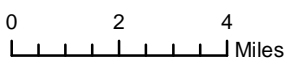
Draft Map Boundaries Subject to Change





Conservation Footprint

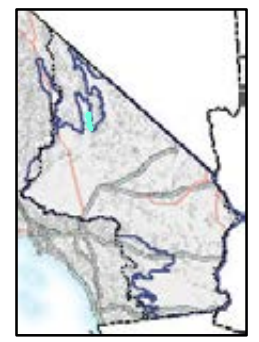
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| <b>ACEC Boundaries</b>   |  |  Department of Defense     |
|  1% Disturbance Cap                      |  |   |
|  Wildlife Allocation                     |  |   |

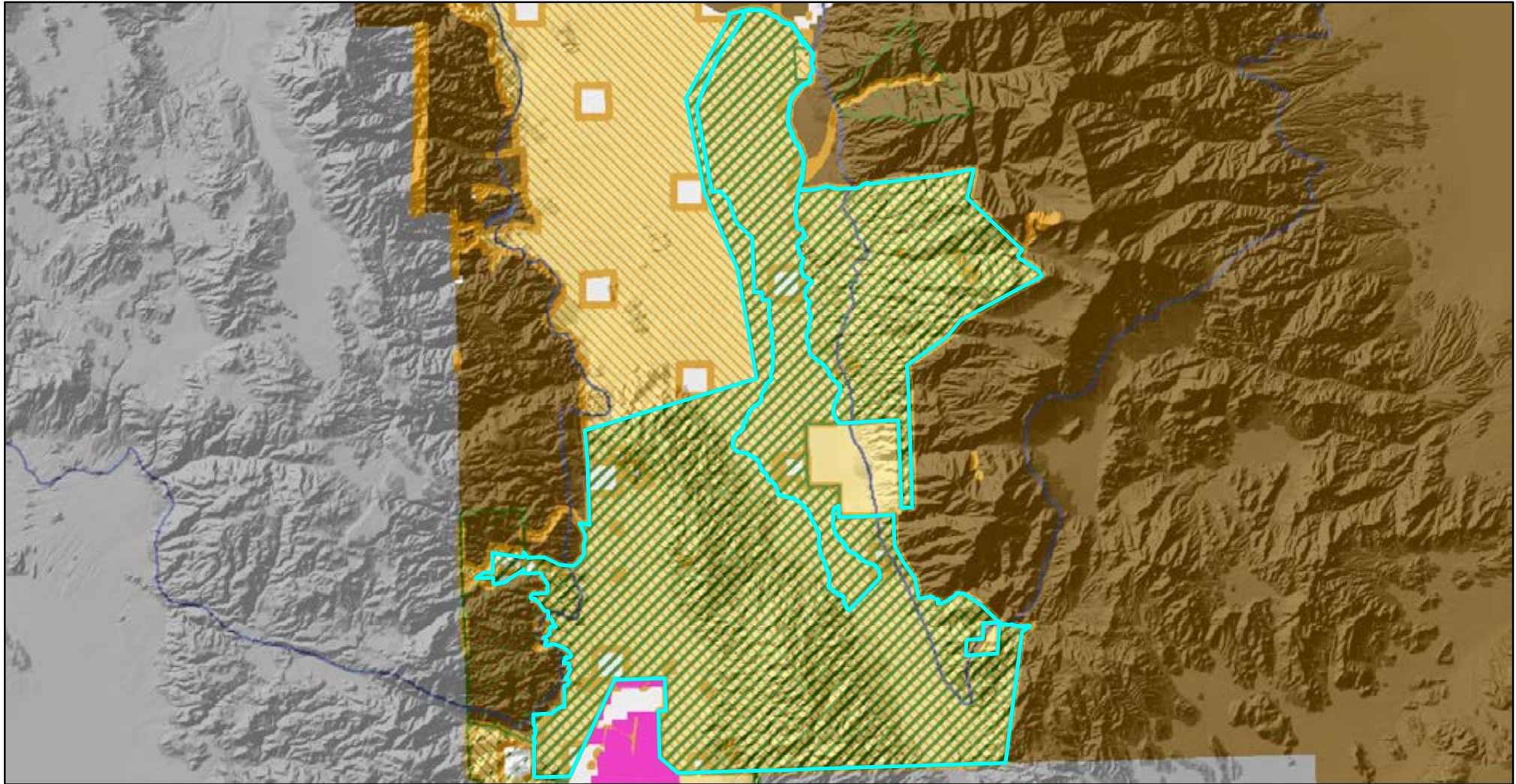


Panamint Lake  
Alternative 1








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Draft Map Boundaries Subject to Change

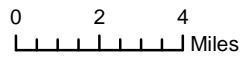




**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
- ACEC Boundaries**
-  0.25% Disturbance Cap
-  1% Disturbance Cap
-  DRECP Boundary
-  CDCA Boundary
- Renewable Footprint**
-  Development Focus Areas

- Land Status**
-  Bureau of Land Management
  -  Department of Defense



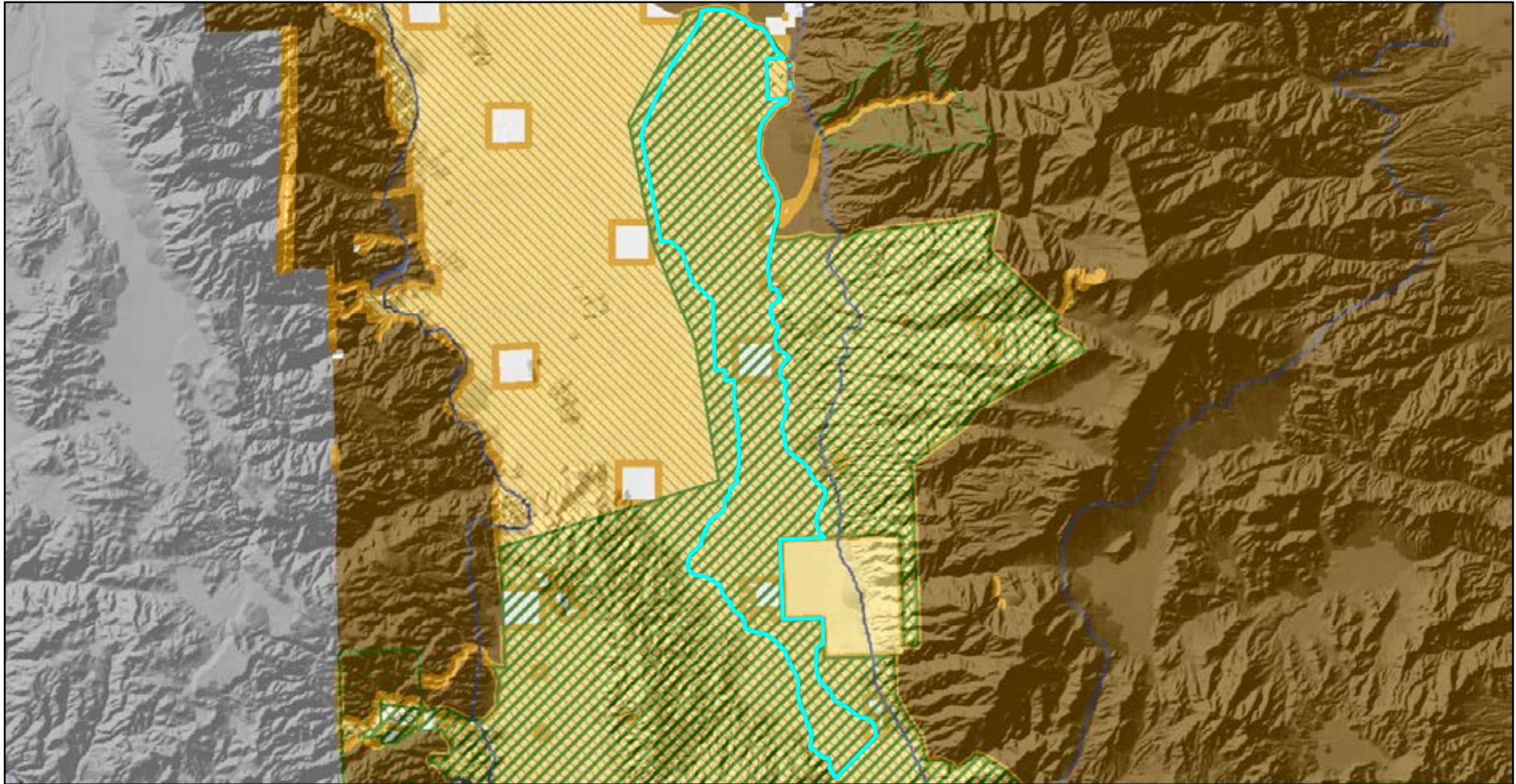
**Panamints and Argus  
Alternative 2**

8/26/2015









Draft Map Boundaries Subject to Change

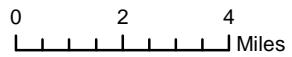






**Conservation Footprint**

- |   |  |   |
|---|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | <b>Land Status</b>  |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |
| <b>ACEC Boundaries</b>  |  |  Department of Defense     |
|  0.25% Disturbance Cap                   |  |   |
|  1% Disturbance Cap                      |  |   |

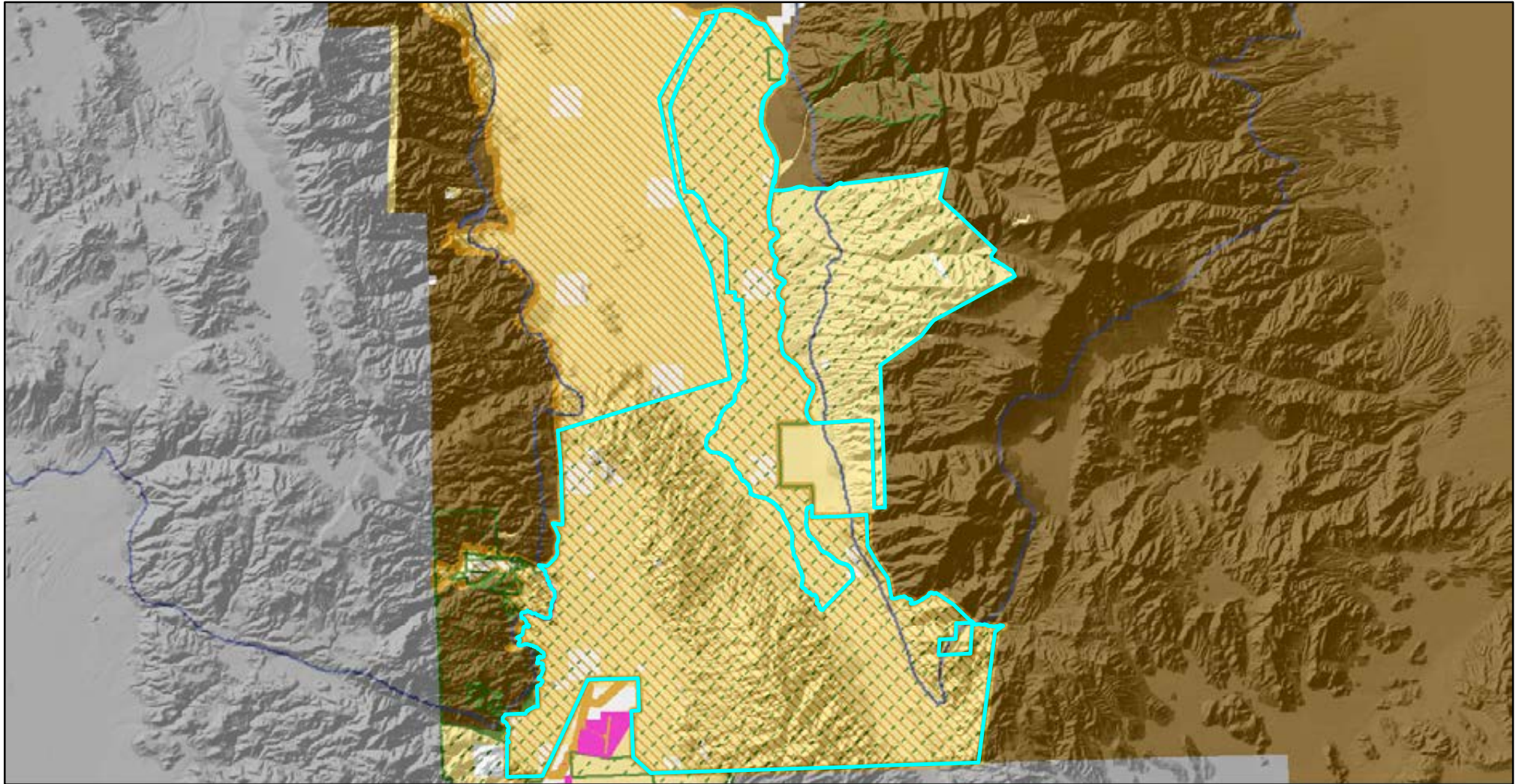


**Panamint Lake  
Alternative 2**

8/26/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

Legislatively & Legally Protected Areas DRECP Boundary

National Conservation Lands CDCA Boundary

**ACEC Boundaries**

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 2 4  
Miles

**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

Department of Defense

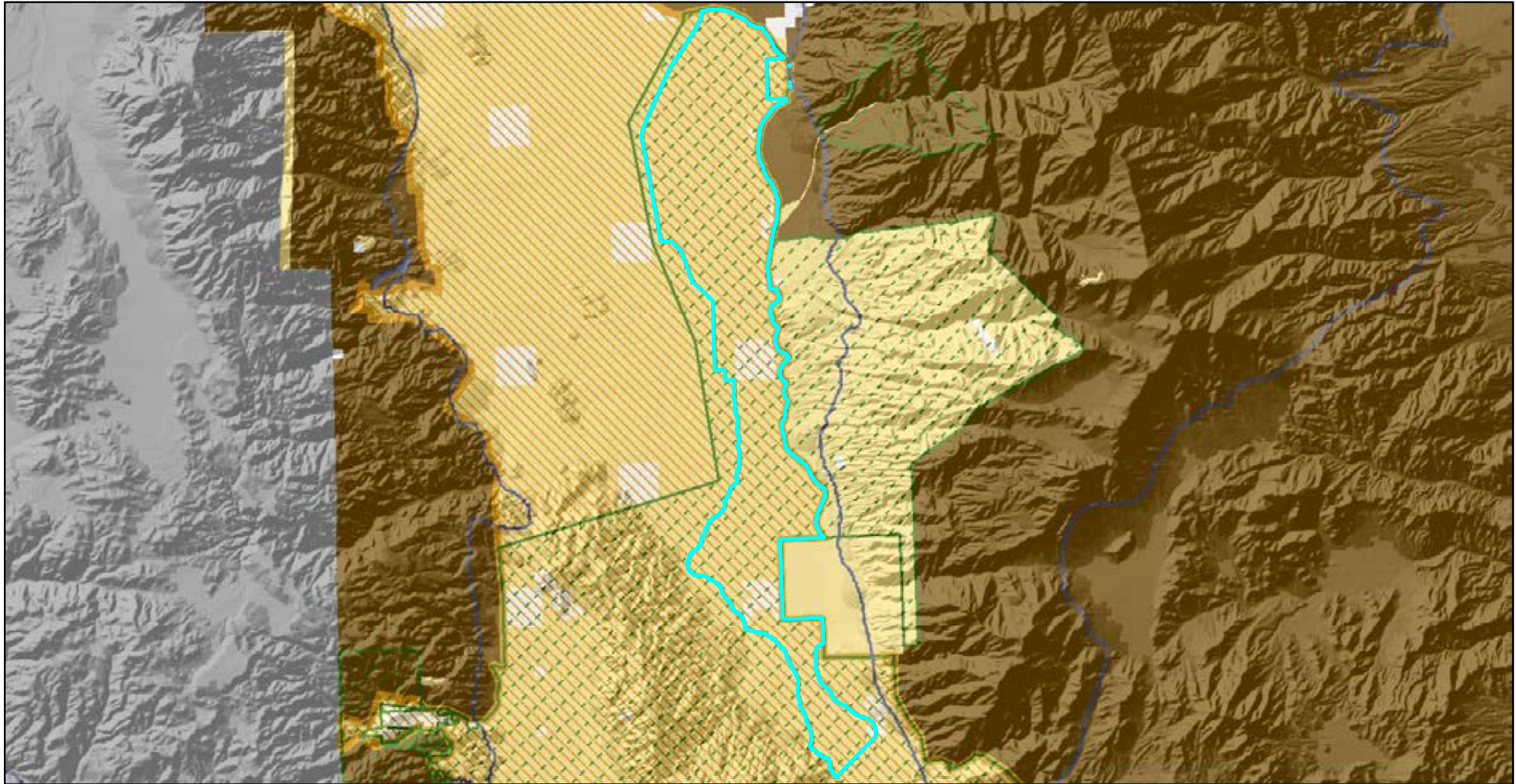
**Panamints and Argus**

Alternative 3









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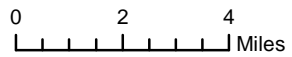
Draft Map Boundaries Subject to Change





**Conservation Footprint**

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | <b>Land Status</b>  |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |
| <b>ACEC Boundaries</b>   |  |  Department of Defense     |
|  0.25% Disturbance Cap                   |  |   |
|  1% Disturbance Cap                      |  |   |

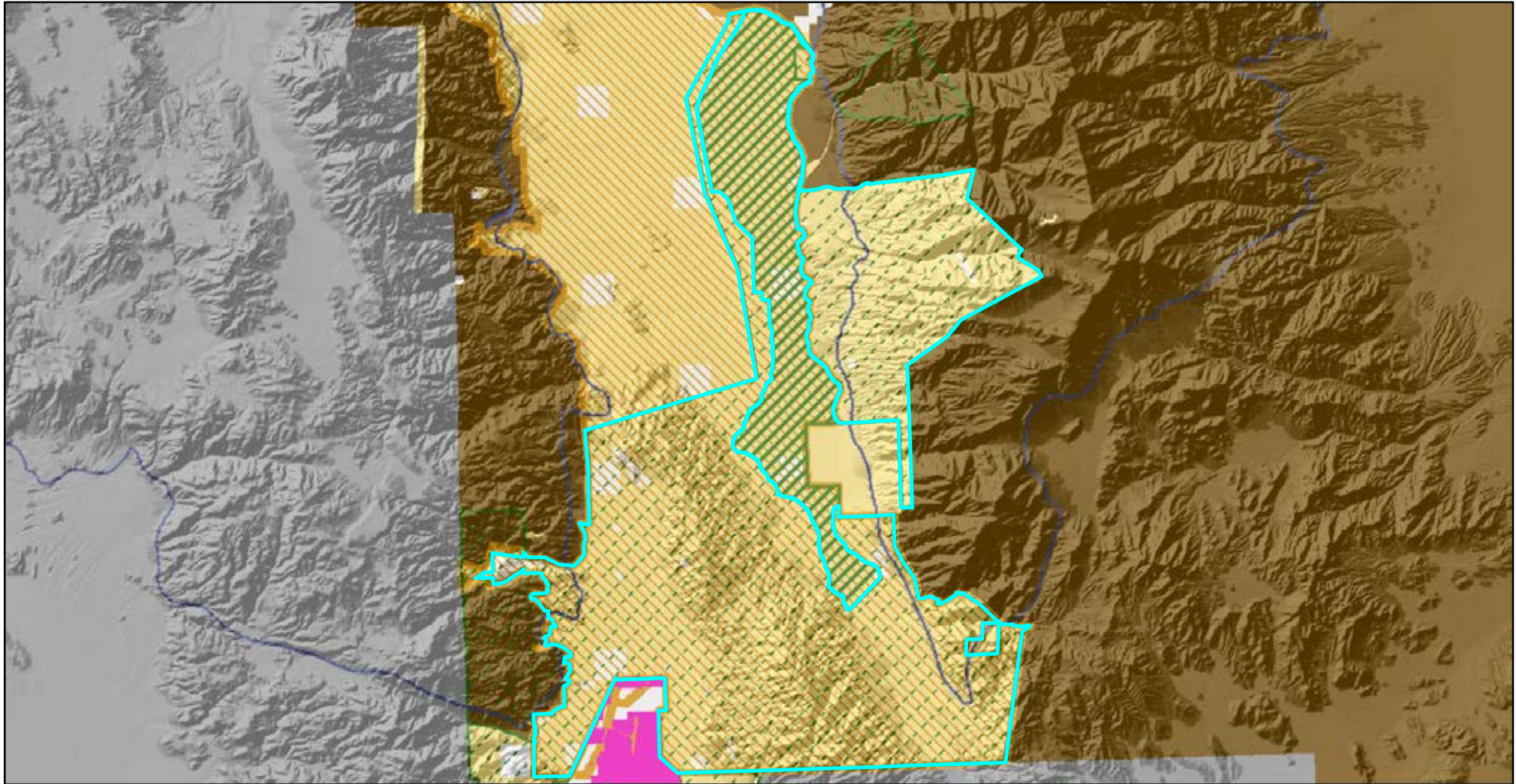


**Panamint Lake  
Alternative 3**







8/27/2015



Draft Map Boundaries Subject to Change

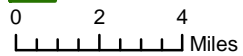




**Conservation Footprint**

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  DRECP Boundary
-  CDCA Boundary
- ACEC Boundaries**
-  0.25% Disturbance Cap
-  0.5% Disturbance Cap
-  1% Disturbance Cap
- Renewable Footprint**
-  Development Focus Areas

- Land Status**
-  Bureau of Land Management
  -  Department of Defense

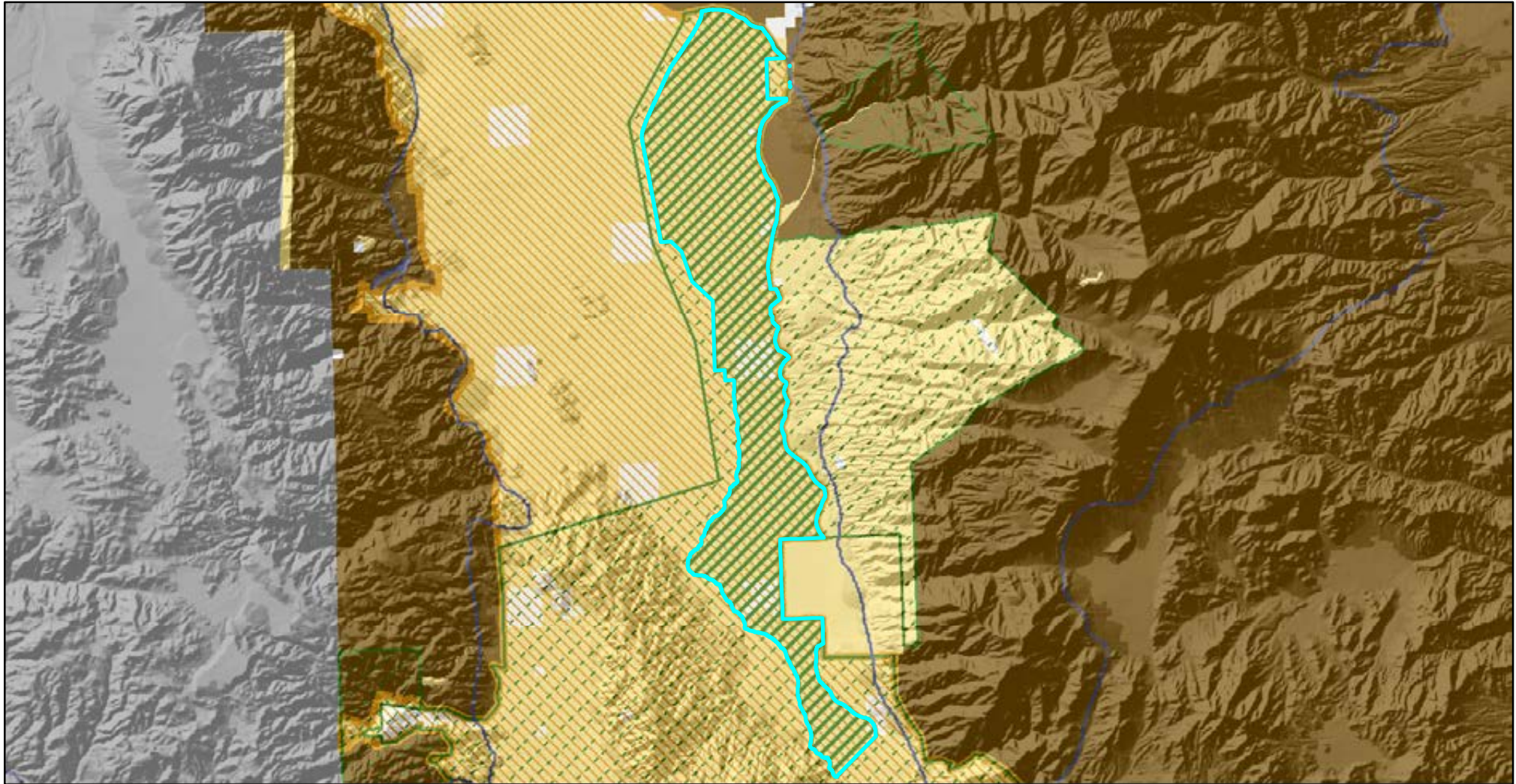


**Panamints and Argus  
Alternative 4**









8/27/2015

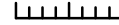
Draft Map Boundaries Subject to Change





Conservation Footprint

- |  |   |   |                |   |                           |
|--|---|---|----------------|---|---------------------------|
|  | Legislatively & Legally Protected Areas |  | DRECP Boundary | <b>Land Status</b>  |                           |
|  | National Conservation Lands             |  | CDCA Boundary  |  | Bureau of Land Management |
| <b>ACEC Boundaries</b>   |   |   |                |  | Department of Defense     |
|  | 0.25% Disturbance Cap                   |   |                |   |                           |
|  | 1% Disturbance Cap                      |   |                |   |                           |

0 1 2  
 Miles

Panamint Lake  
 Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change



## Rose Springs

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Located at the western edge of the Great Basin. It is south of Owens Valley and the Haiwee Reservoir and is at the northern end of Rose Valley. It includes the locally recognized landmark Rose Springs.

**Nationally Significant Values:**

**Cultural:** This area is designated for significant prehistoric cultural resource values associated with the Rose Spring Archaeological site complex. The area is located at the north end of Rose Valley, which is overlapped by the traditional homelands of the Shoshone and Paiute peoples, as recorded by Steward. Site INY -372 has an occupational history of over 3,000 years and is one of the most important sites in the Great Basin and California. The stratigraphic sequence of projectile points recovered from this site is the basis for the cultural chronology used by archaeologists throughout the region and state today. Most significantly, the site was used to date the introduction of bow and arrow technology to Eastern California, an event which changed the patterns of prehistory not only in this region, but throughout the Great Basin and neighboring southwest.

The site is eligible for listing on the National Register of Historic Places. Sites associated with the main Rose Spring are also eligible, and may contain human burials.

The implications of the data recorded from this site are scientifically, culturally, and ecologically significant on a national level. The introduction of bow and arrow technology changed the patterns of mobility, settlement, land use, and resource procurement by Native Americans throughout the region and neighboring areas. The archaeological research potential for this area remains high, and can continue to contribute to our knowledge of prehistory.

**Ecological:** This area also includes Mohave ground squirrel (MGS) core habitat within the MGS Conservation Area. This is one of only 11 core population centers.

**Special Designations/Management Plan/Date:** Original ACEC Designation, California Desert Conservation Area Plan, 1980; Rose Springs ACEC Management Plan 09/1985 (CA-06-ACEC-7); West Mojave Plan, addition of Mohave Ground Squirrel Conservation 01/2005 (D.1.21)

**Relevance and Importance Criteria:** Designated in recognition of important and irreplaceable cultural resources. This area encompasses archaeological site CA-INY-372. It includes five recorded areas of prehistoric cultural resources, is part of a natural travel corridor with an occupational history of at least 3000 years and is within an area of sensitivity to contemporary Native Americans. It also has hydrological values as it is bisected by the Los Angeles Aqueduct system. This area also contains desert tortoise habitat. Some areas within the ACEC provide a combination of meteorological, geological, hydrological, topographical features that have been identified as important climate refugia (slow/minimized climate changes) for wildlife species.

**Grazing Allotment:** This unit overlaps with the Tunawee grazing allotment.

**Overarching Goals:** To provide for protective management of cultural resources for scientific use and public interpretation.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**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	1%
1	100	800	0	1%
2	800	800	0	1%
3	800	800	0	1%
4	100	800	0	1%

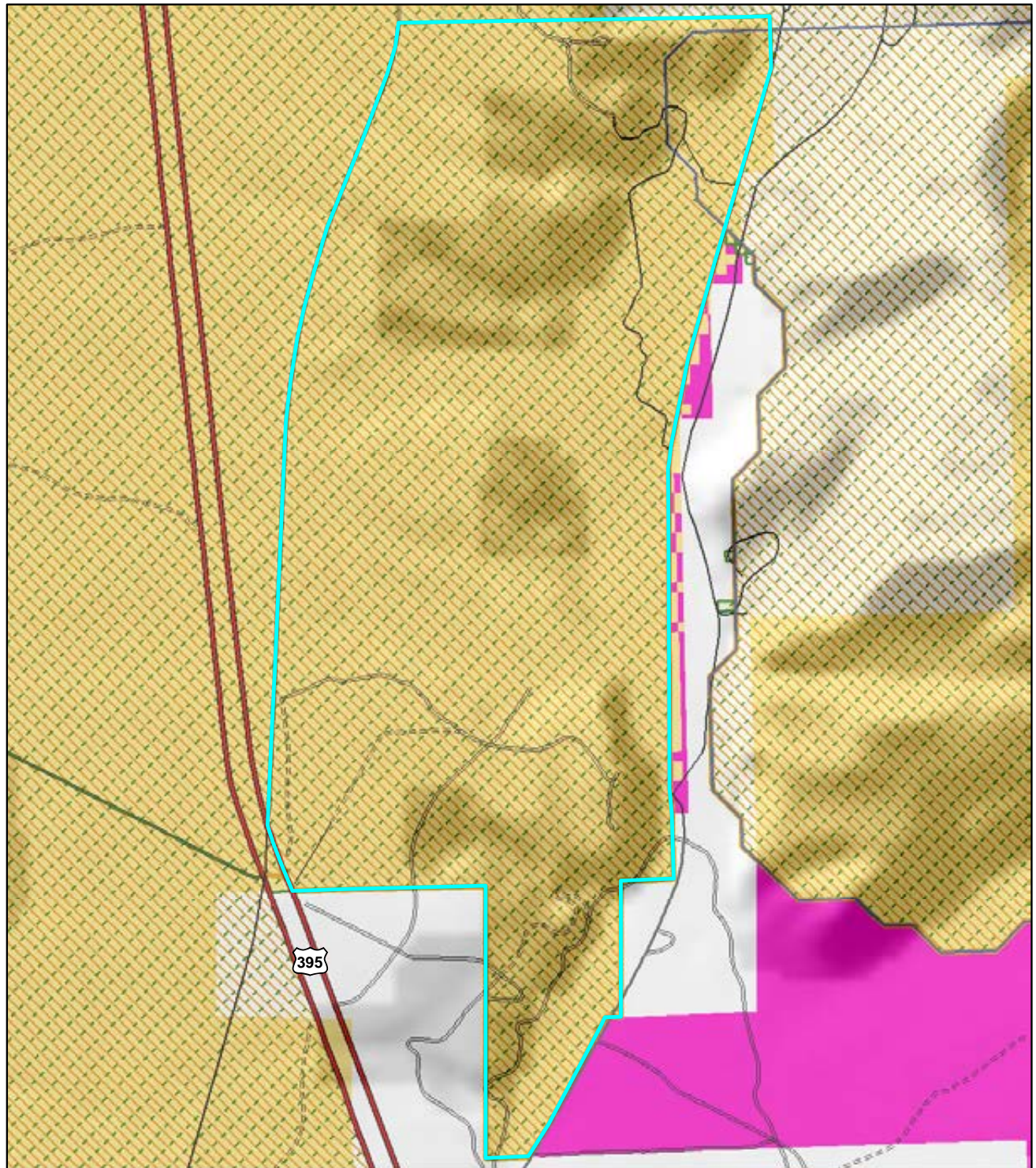
\* Acreage values are for BLM managed lands

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective: Maintain or Improve condition of vegetation</p> <p>Management Actions: Remove invasive plants  Rehabilitate/revegetated disturbed areas  Ensure food species for the Mohave ground squirrel are maintained (spiny hopsage and Atriplex sp.)</p>	Vegetation (incl. special status species)
<p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence.</p> <p>Management Actions: Restore habitat as needed  Designate [Mohave ground squirrel] as priority species for management and protection.</p>	Fish and Wildlife (incl. special status species)
<p><b>Objective 1:</b> Protect biodiversity and manage for resilience (protect climate refugia and provide for migration corridors).</p>	Climate Change and Adaptation







<p>Management Action 1: Prioritize habitat enhancement in areas expected to provide for the greatest level of resiliency (good response or rehabilitation results after significant disturbance such as fire) and or resistance to change (e.g. climate refugia).</p> <p>Management Action 2: Consider actions that enhance the primary productivity of climate refugia with native species restoration, reduced soil surface disturbance, and habitat infrastructure to increase carrying capacity of refugia (e.g., wetland, oasis).</p> <p>Management Action 3: Maintain migration corridor integrity by minimizing obstructions (fences, roads), disturbances (limiting access to water and shade during peak temperatures) and habitat fragmentation.</p> <p><b>Objective 2:</b> Maintain and or enhance key ecosystem processes (e.g., carbon sequestration, water residence time) and prepare and respond to significant disturbances to the environment (e.g. floods).</p> <p>Management Action 1: Develop proactive and responsive management actions for potentially dangerous and damaging disturbances to the environment, which are exacerbated by climate change (e.g. wildfire, flash floods, etc.).</p> <p>Management Action 2: Minimize carbon sequestration losses from management activities by reducing impacts to vegetation, soil structure and soil biota.</p> <p>Management Action 3: Leverage disturbance events and other landscape changes, when possible, as opportunities to assess climate adaptation actions. For example, revegetation objectives for projected climate scenarios benefiting multiple ecosystem services (habitat and carbon sequestration objectives).</p>	
<p>See programmatic ACEC cultural resources objective and action items in general cultural resources rules.</p> <p>Objective: Protect and monitor INY 372 archaeological site.</p> <p>Management Action: Redefine boundary and indicate areas of disturbance. Install fences and gates in coordination with LADWP to protect the site. Data recovery to mitigate previous damage.</p>	Cultural Resources
<p>Objective: Protect resources values while providing recreational access.</p> <p>Allowable Uses: Motorized, non-motorized, non-mechanized, etc. Limit off-highway vehicle use to designated routes as per the local Travel Management plan.</p> <p>Management Action: Designated routes will be signed and managed in</p>	Trails and Travel Management

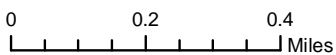
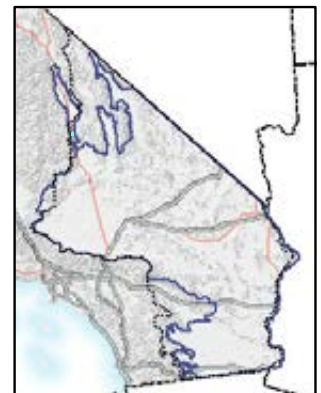


<p>accordance with the local Travel Management plan, as funding allows. Unauthorized routes will be rehabilitated/restored as funding allows.</p>	
<p>Objective: Provide recreation opportunities that are consistent with resource protection</p> <p>Allowable Uses: Casual and permitted recreational uses are allowed including Hiking/Walking, picnicking, nature study, wildlife and wildflower viewing.</p> <p>Management Action: Limited access/Controlled by gate</p> <p>Management Actions: Signs for interpretation/entry/closure Improve compliance to prevent unauthorized collecting and vandalism of cultural resources.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment. Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights-of-Way
<p>Solar and wind renewable energy development are not allowable uses due to their incompatibility with the NLCS and ACEC unit values and criteria. Geothermal development is an allowable use in the unit with a "No Surface Occupancy" requirement.</p>	Renewable Energy



Conservation Footprint

- |   |   |   |
|---|---|---|
|  National Conservation Lands |  DRECP Boundary          | <b>Land Status</b>  |
| <b>ACEC Boundaries</b>  |  CDCA Boundary           |  Bureau of Land Management |
|  1% Disturbance Cap          | <b>Renewable Footprint</b>  |   |
|   |  Development Focus Areas |   |

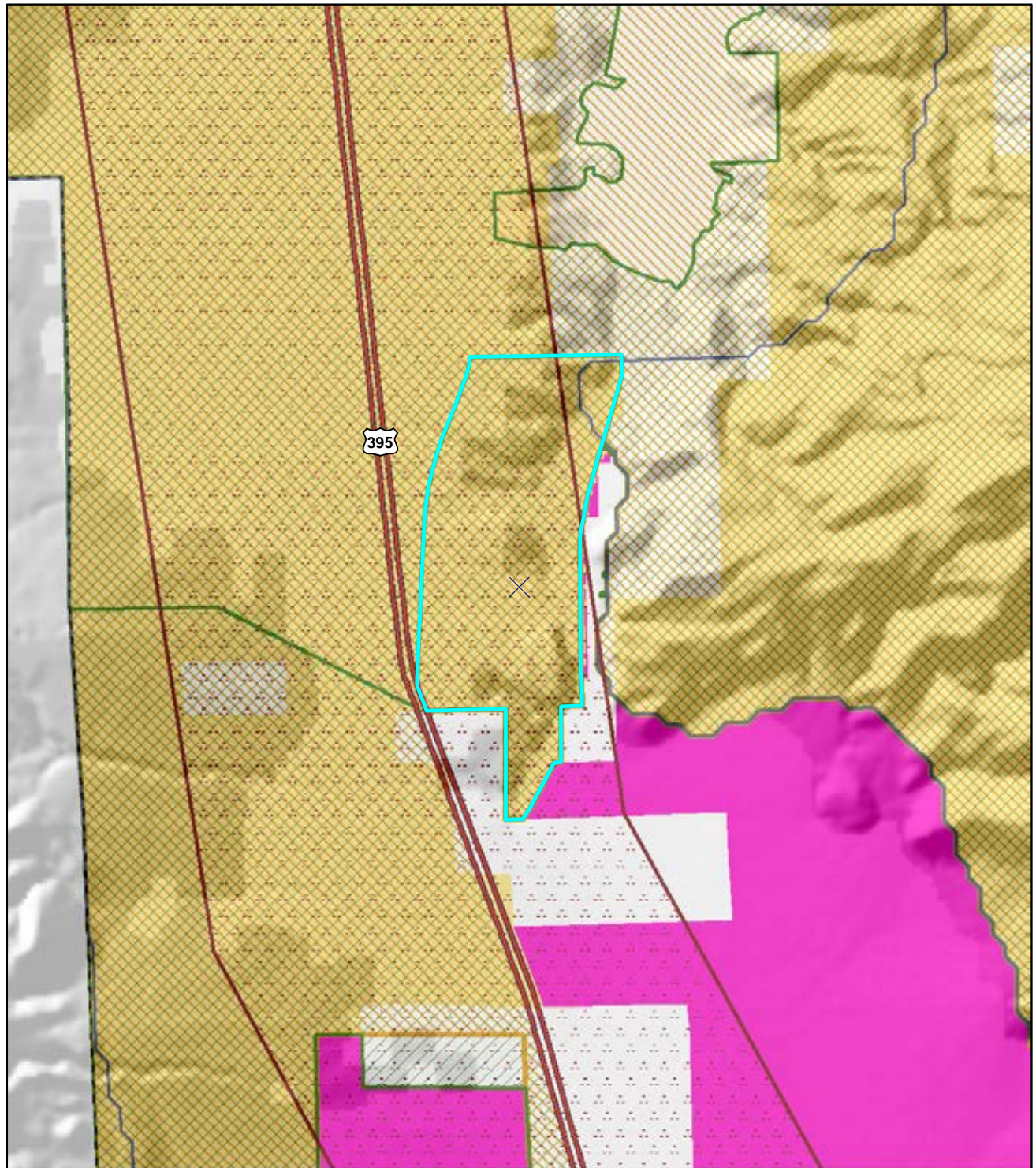


Rose Spring



6/25/2015



Draft Map Boundaries Subject to Change



**Conservation Footprint**


-  National Conservation Lands
-  Proposed ACEC

**Renewable Footprint**


-  Development Focus Areas

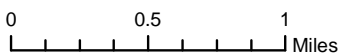
-  DRECP Boundary

-  CDCA Boundary

-  Transmission Corridor

**Land Status**

-  Bureau of Land Management

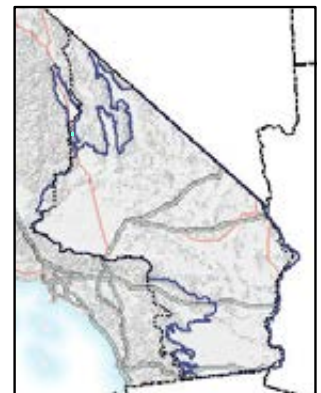


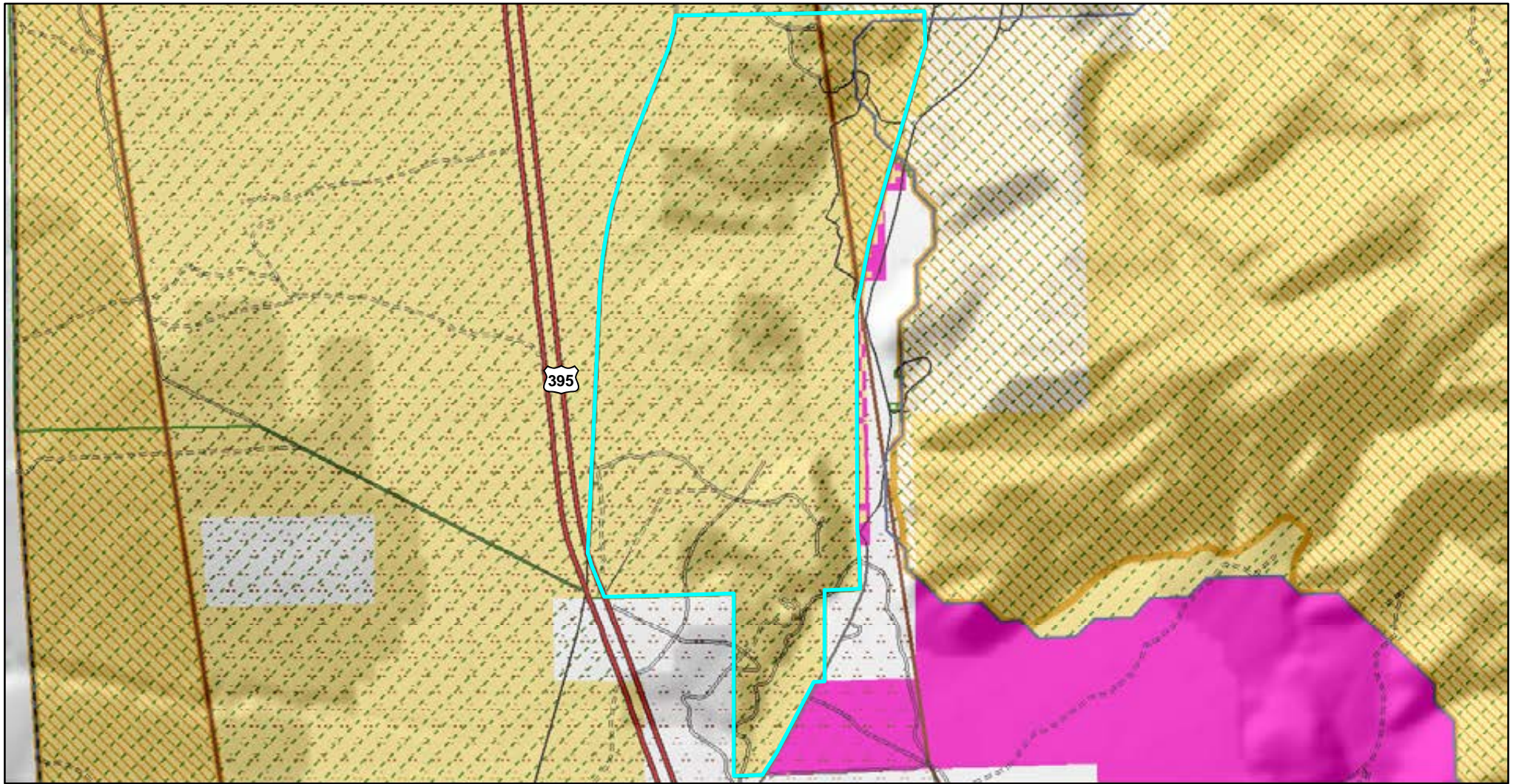
**Rose Spring**

7/14/2015










Draft Map Boundaries Subject to Change



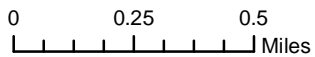


**Conservation Footprint**

-  National Conservation Lands
-  DRECP Boundary
-  ACEC Boundaries
-  CDCA Boundary
-  1% Disturbance Cap
-  Transmission Corridor

- Land Status**
-  Bureau of Land Management

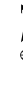
- Renewable Footprint**
-  Development Focus Areas

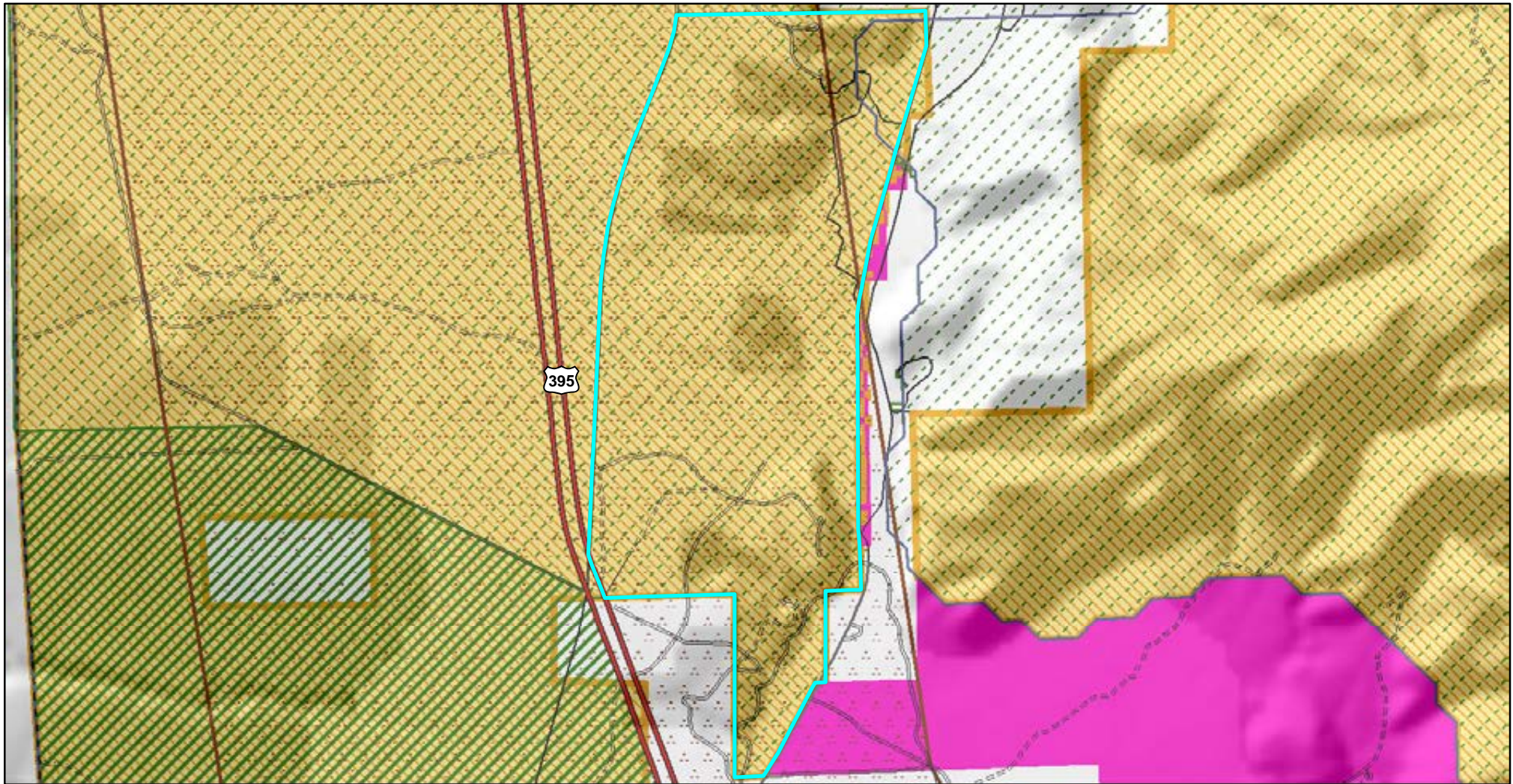


**Rose Spring  
Alternative I**

8/25/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

National Conservation Lands

**ACEC Boundaries**

0.25% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

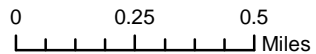
Transmission Corridor

**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

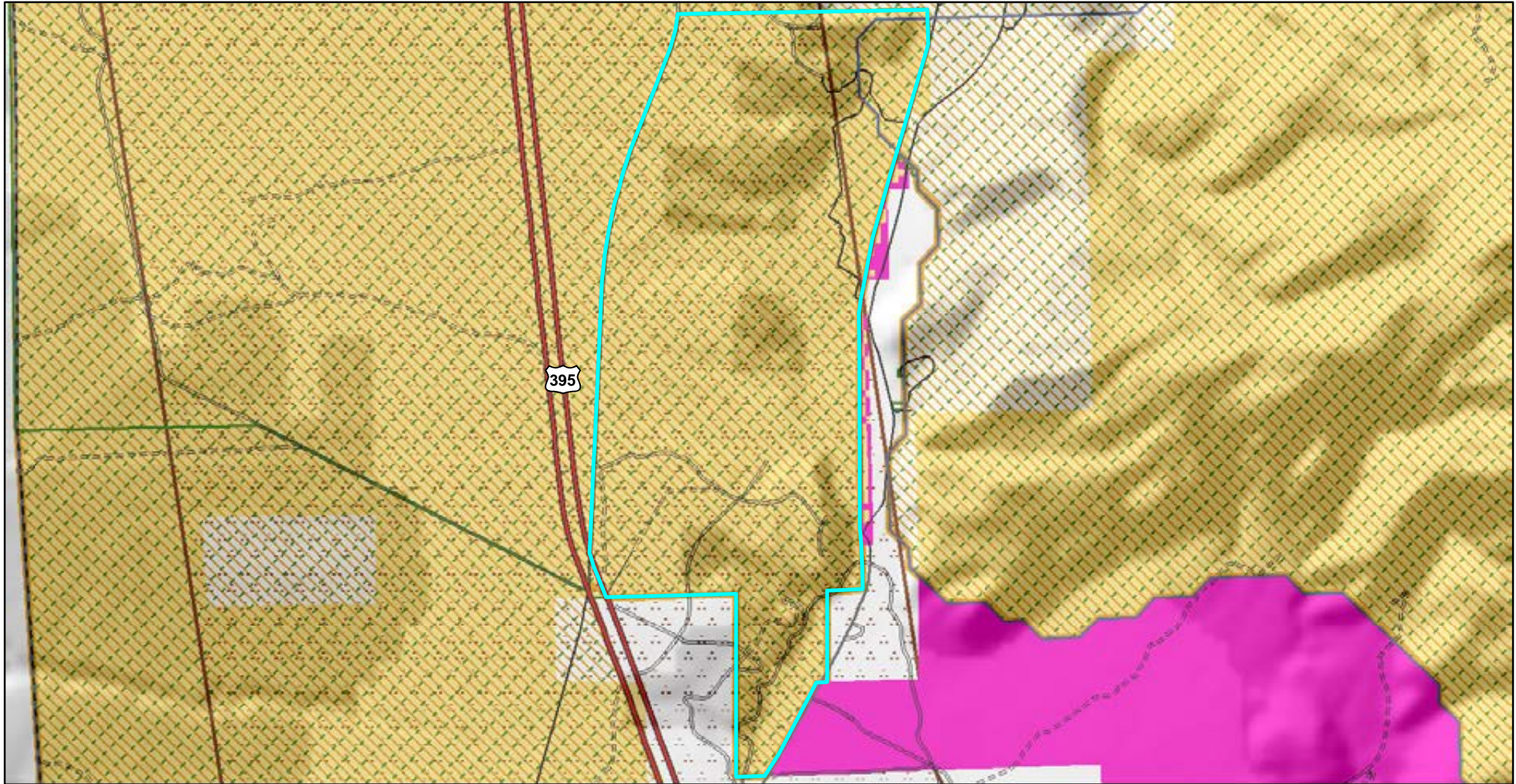


**Rose Spring  
Alternative 2**

8/26/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

National Conservation Lands

**ACEC Boundaries**

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

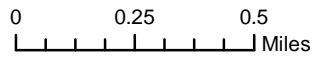
Transmission Corridor

**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

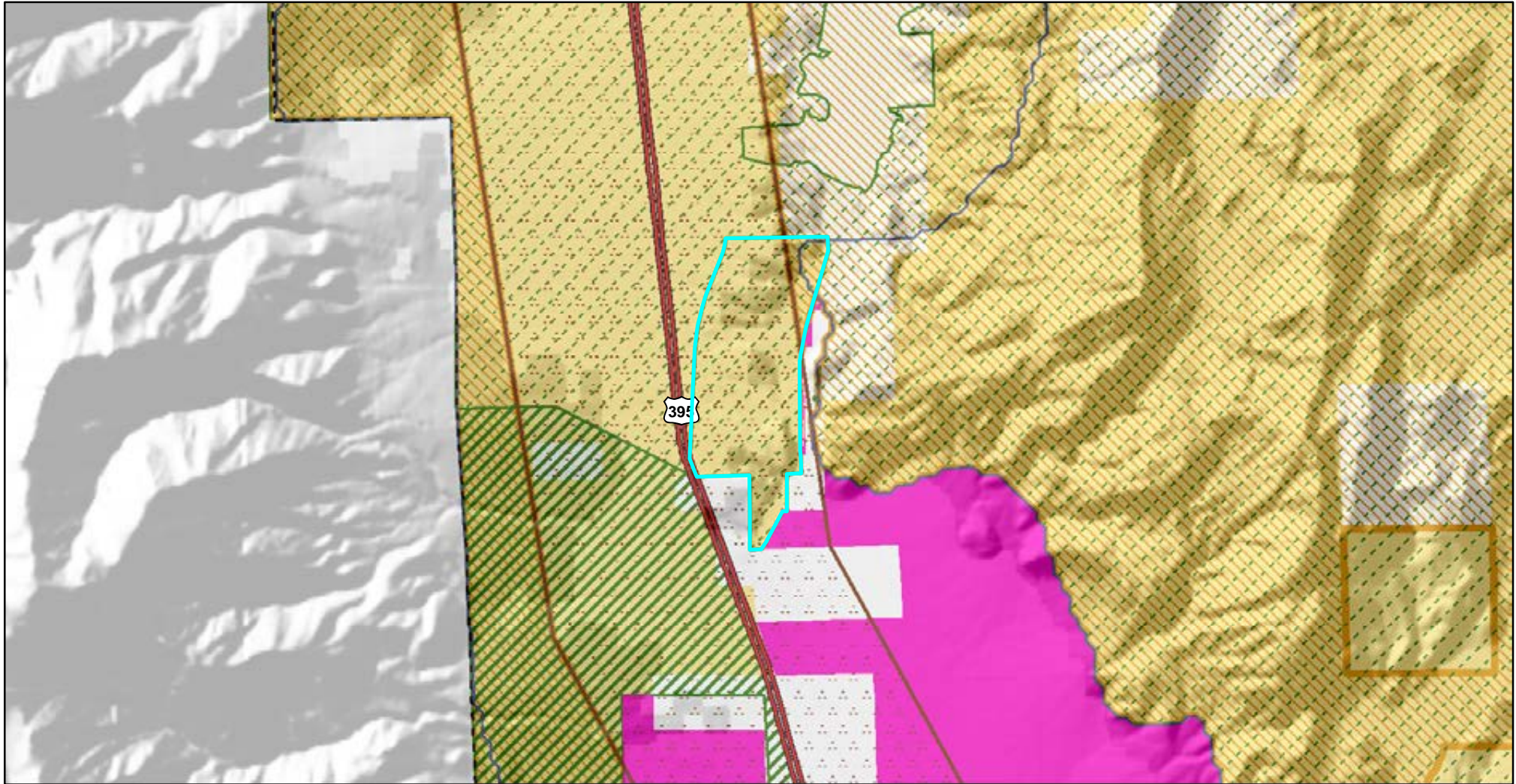


**Rose Spring  
Alternative 3**

8/27/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

National Conservation Lands

**ACEC Boundaries**

0.25% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

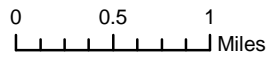
Transmission Corridor

**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

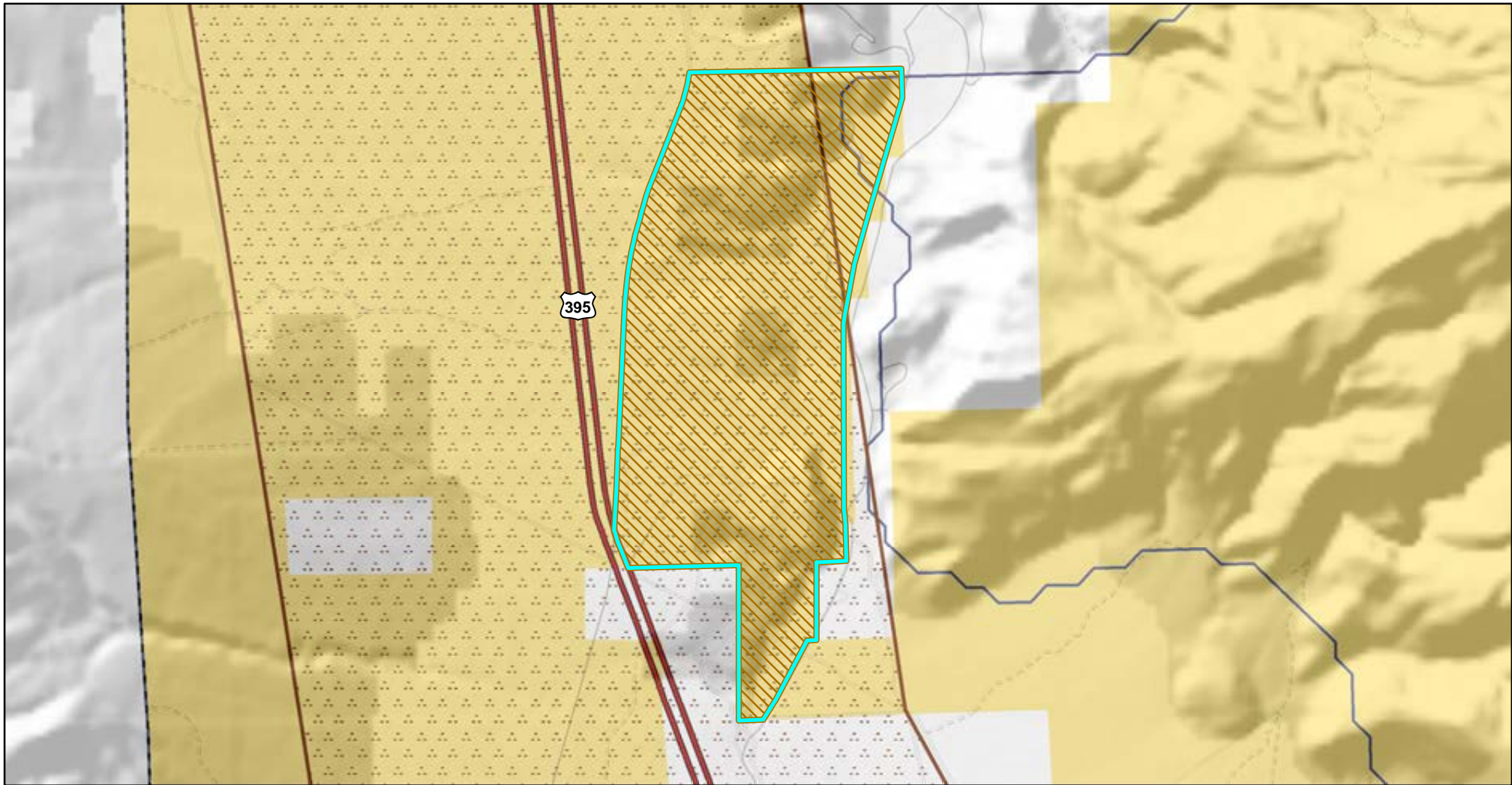


**Rose Spring  
Alternative 4**






8/27/2015

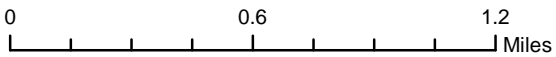
Draft Map Boundaries Subject to Change





Conservation Footprint

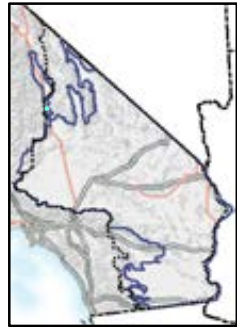
- |  |                       |   |
|--|-----------------------|---|
|  | Existing ACEC         | <b>Land Status</b>  |
|  | Transmission Corridor |  Bureau of Land Management |
|  | CDCA Boundary         |   |
|  | DRECP Boundary        |   |



Rose Spring  
No Action

9/15/2015

Draft Map Boundaries Subject to Change





## Saline Valley

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Located east of the Inyo Range between, on the east side of Saline Valley in Inyo County, California. The ACEC is immediately adjacent to Death Valley National Park.

**Nationally Significant Values:** Not proposed for NCLS designation

**Special Designations/Management Plan/Date:** Original ACEC Designation, CDCA 1980; Sikes Act Management Plan for the Saline Valley ACEC (CA-06-ACEC-4) and Saline Valley Marsh Wildlife Habitat Management Plan (CA-06-WHA-4), 9/27/1982

**Relevance and Importance Criteria:**

**Cultural:** This area adjoins Death Valley National Park. With the exception of some modern mining activities and recreational use by park visitors, this area is untrammled and undeveloped. It may be considered as a cultural landscape by the Timbisha Shoshone, and because of its preservation and remoteness, contain scientific and cultural values yet to be identified. Sites throughout this area are eligible for and listed on the National Register of Historic Places. The Saline Valley Salt Tram was listed in 1973; the Hunter Canyon Village Site is currently being updated for National Register nomination. Cultural values include at least 27 recorded prehistoric and historic cultural properties. These include three historic sites such as the Saline Valley Salt Tram and at least 24 prehistoric sites, including the Hunter Canyon Village Site. Prehistoric sites date to the late prehistoric, Ceramic Horizon period through the ethnohistoric Paiute-Shoshone use of the area. Sites nearby have been dated as early as 2,000-4,000 years ago. Historic sites are associated with early mining and the extraction of Borax and salt from Saline Valley in the later 1800s, early 1900s.

**Biological:** The area provides aquatic, arboreal, and Aeolian wildlife habitat within a small area, which is essential to transient wildlife populations. The area contains a salt grass meadow, vegetation not commonly found in the desert. Wildlife habitat is major component of this ACEC, as well as unique vegetation communities. Important Monarch butterfly over-wintering sites are found in this ACEC.

**Overarching Goals:** To protect and preserve cultural resource and wildlife values of the ACEC

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

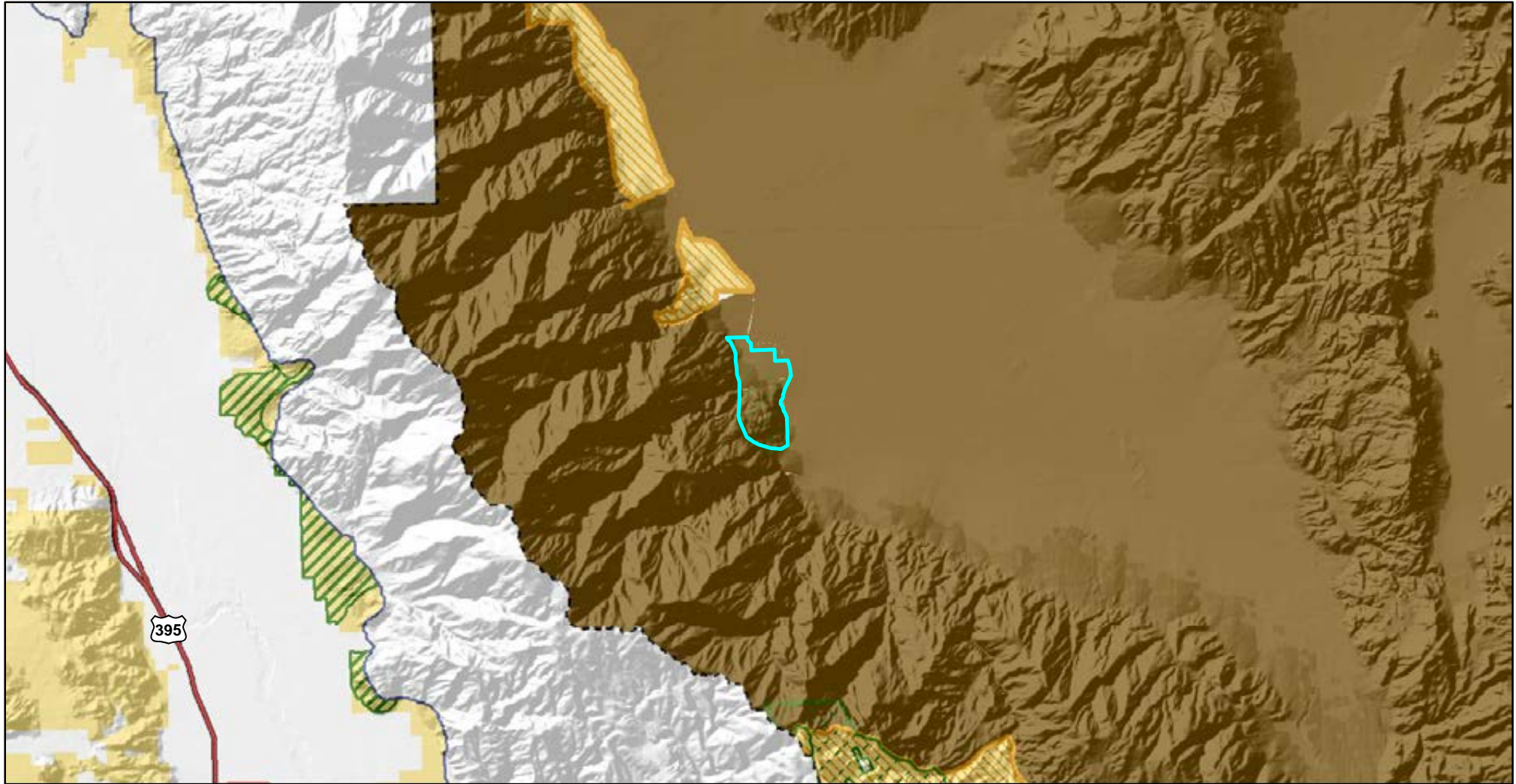
<b>Designation and Acreage by Alternative:</b>				
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	1,379	0	NA
Preferred Alternative	0	1,379	0	1%
1	0	1,378	0	1%
2	0	1,379	0	1%
3	0	1,378	0	1%
4	0	1,378	0	1%

\* Acreage values are for BLM managed lands

<b>Objectives (desired future conditions) /Allowable Uses/Management Actions</b>	<b>Resource</b>
<p>Objective: Protect hydrologic resources associated with the salt marsh</p> <p>Objective: Minimize soil disturbance and prevent accelerated erosion caused by human activities.</p> <p>Allowable uses: Restrict development activities where soils are susceptible to heightened risk of erosion</p> <p>Management Actions: Ensure soils to 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.</p> <p>Objective: Protect the quantity and quality of existing water resources, protect groundwater from contamination.</p> <p>Allowable Uses: Existing water rights</p> <p>Management Action: Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are function and achieving physical and biological objectives. Monitor Proper Functioning Condition and restore natural flow stream morphology when needed</p> <p>Monitor water uses</p>	Soil, water, air
<p>Objective: Protect unique marsh, wetland, and riparian communities.</p> <p>Management Action: Eradicate invasive species from these areas</p>	Vegetation - Including special status plant species

<p>Prohibit collection of plants except by permit. Remove burros to prevent damage to the vegetation.</p>	
<p>Objective: Protect and preserve special status species and their habitat including the Big-horned Sheep, Mule Deer, and the Townsend Big-eared Bat. Action Item 1: Prohibit closure of existing adits except by BLM gating techniques Install bat gates on existing mine openings (adits, shafts). Action Item 2: Eliminate potential impacts to native and sensitive species through control of burros and feral goats.</p> <p>Objective: Prohibit collection of rare animals Action: Proper signing and increased compliance with resource protections</p> <p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>Northern Sagebrush Lizard (<i>Sceloporus graciosus graciosus</i>) BLM Sensitive Burrowing Owl (<i>Athene cunicluria</i>) BLM Sensitive Le Conte's Thrasher (<i>Toxostoma lecontei</i>) State Species of Special Concern Nelson's Bighorn Sheep (<i>Ovis canadensis nelsoni</i>) BLM Sensitive Northern goshawk (<i>Accipiter gentilis</i>) BLM Sensitive Many sensitive species of bats</p> <p>Management Action: Prevent habitat fragmentation and retain connectivity for wildlife movement by limiting off-highway vehicle use and development</p>	<p>Fish and Wildlife - Including special status fish and wildlife species</p>
<p>Allocation/Restriction: OHV limited Improve vehicle access for safety and access to manage resources</p> <p>Objective: Maintain current travel allocation as OHV- Limited</p> <p>Allowable uses: Motorized, non-motorized, non-mechanized limited to designated routes only</p> <p>Management Actions: Limit vehicles to open designated routes by posting signs, updating maps as appropriate</p>	<p>Trails and Travel Management</p>
<p>Objective: Provide recreation opportunities that are consistent with resource protection.</p> <p>Allowable Uses: Camping and dispersed recreation (no camping closer than 200 meters from a desert wildlife watering hole) Management Actions: Delineate parking and camping areas where resource impacts need to be minimized Maintain signs, vehicle barriers, and install interpretive kiosks</p>	<p>Recreation</p>
<p>Objective: Consolidate through tenure adjustment. Management Action: Acquire inholdings, edgeholdings and other interests</p>	<p>Land Tenure</p>

from willing sellers.	
Objective: Protect resource values of the ACEC Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.	Rights of Way (ROW)
Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.  ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.	Renewable Energy
Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area.  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 Leasable
Objective: Provide for livestock grazing opportunities in a manner that limits impacts on other resources  Allowable Uses: Existing allotment is authorized, but do not authorize new allotments or expansion of existing allotment (either in size or increase number of AUMs), if willing relinquishment, would be made unavailable  Management Actions: Manage grazing authorizations to meet or exceed the	Livestock grazing

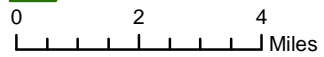


Conservation Footprint

- Legislatively & Legally Protected Areas
- DRECP Boundary
- CDCA Boundary
- Bureau of Land Management

ACEC Boundaries

- 0.1% Disturbance Cap
- 0.25% Disturbance Cap
- 1% Disturbance Cap

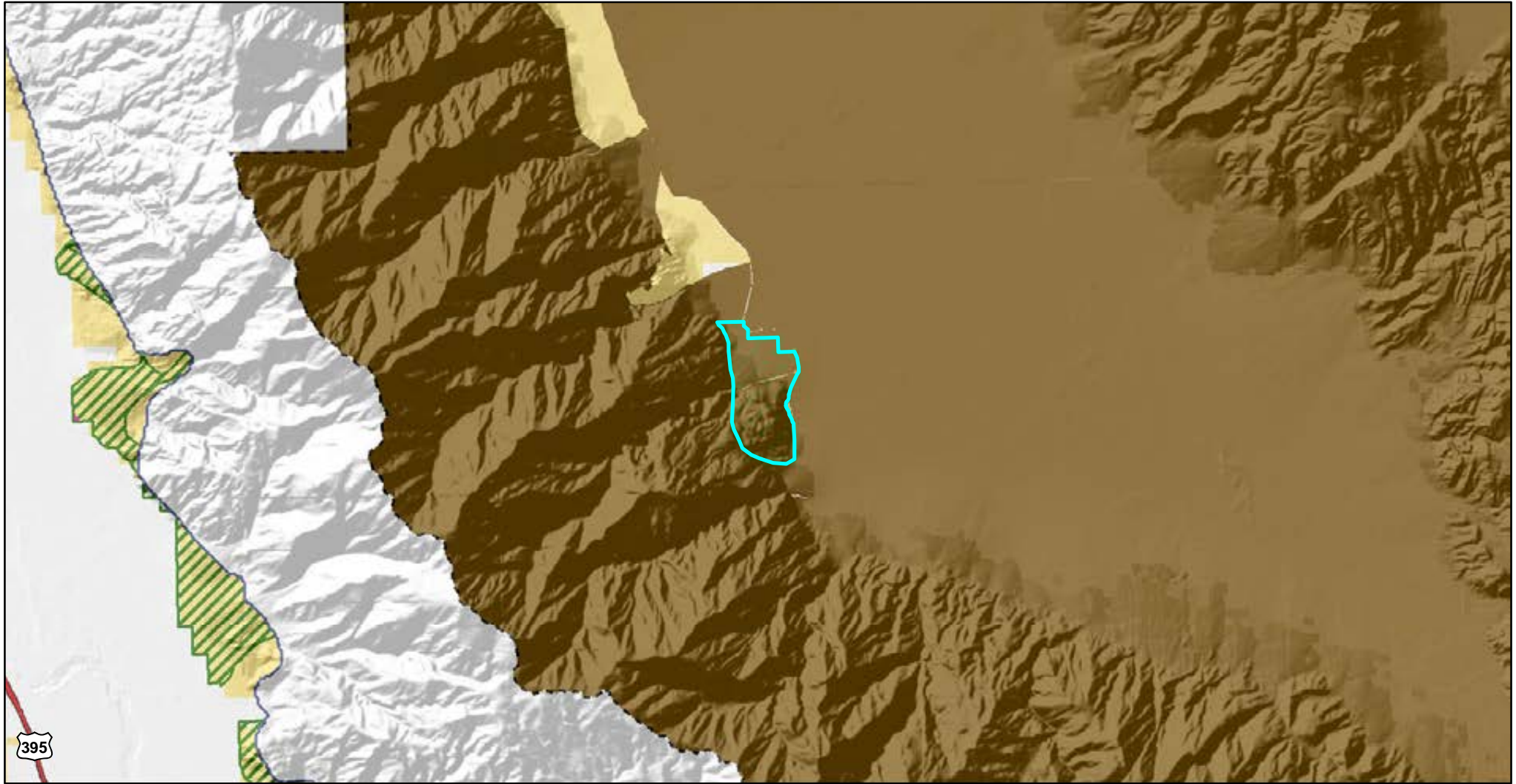


Saline Valley

6/24/2015

Draft Map Boundaries Subject to Change

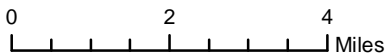




**Conservation Footprint**

- Legislatively & Legally Protected Areas
- DRECP Boundary
- CDCA Boundary
- 0.25% Disturbance Cap
- 1% Disturbance Cap
- Renewable Footprint
- Development Focus Areas

- Land Status**
- Bureau of Land Management

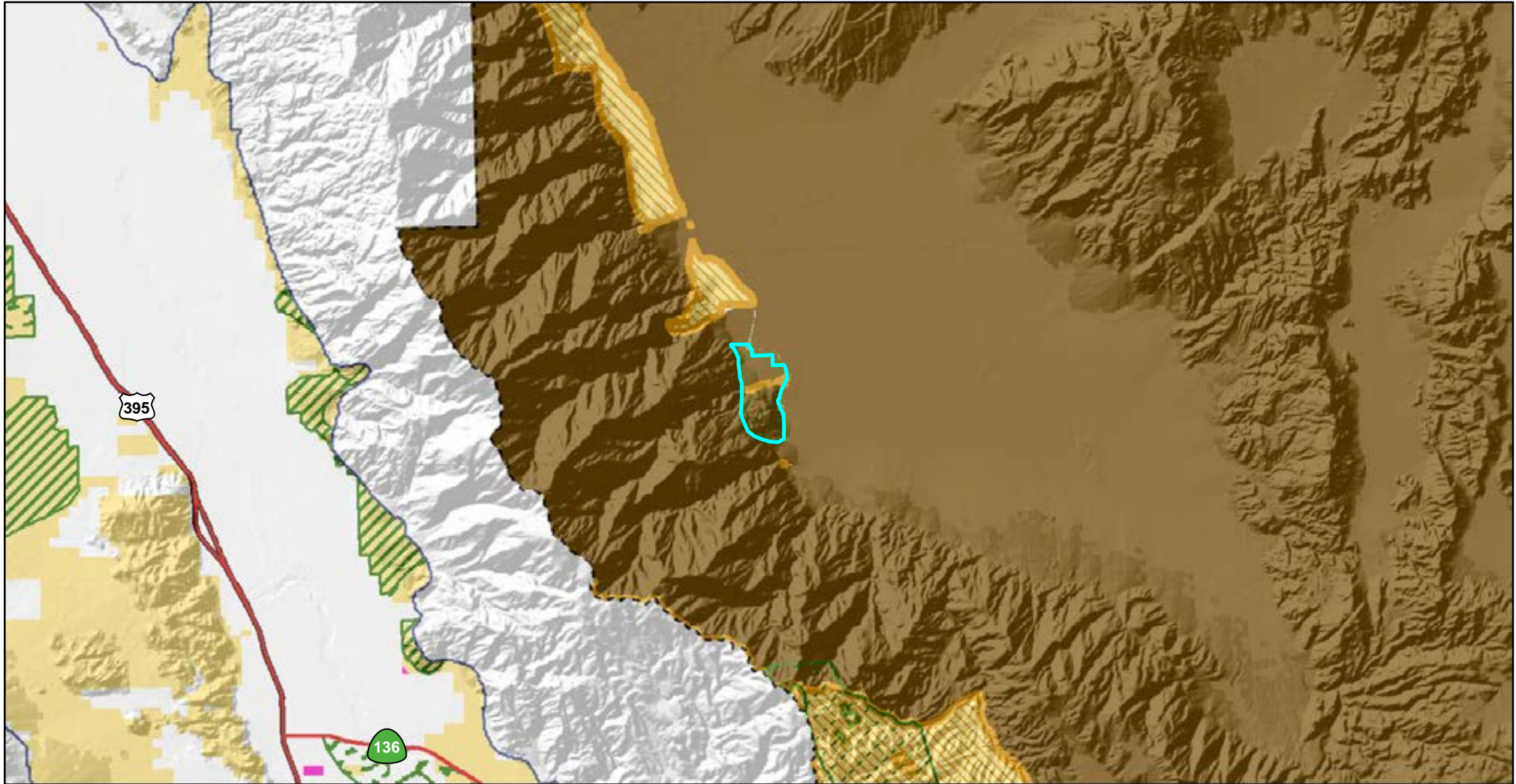


**Saline Valley  
Alternative 1**

8/25/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

Legislatively & Legally Protected Areas DRECP Boundary

National Conservation Lands CDCA Boundary

**ACEC Boundaries**

0.1% Disturbance Cap

0.25% Disturbance Cap

1% Disturbance Cap

0 2 4  
Miles

**Renewable Footprint**

Development Focus Areas

**Land Status**

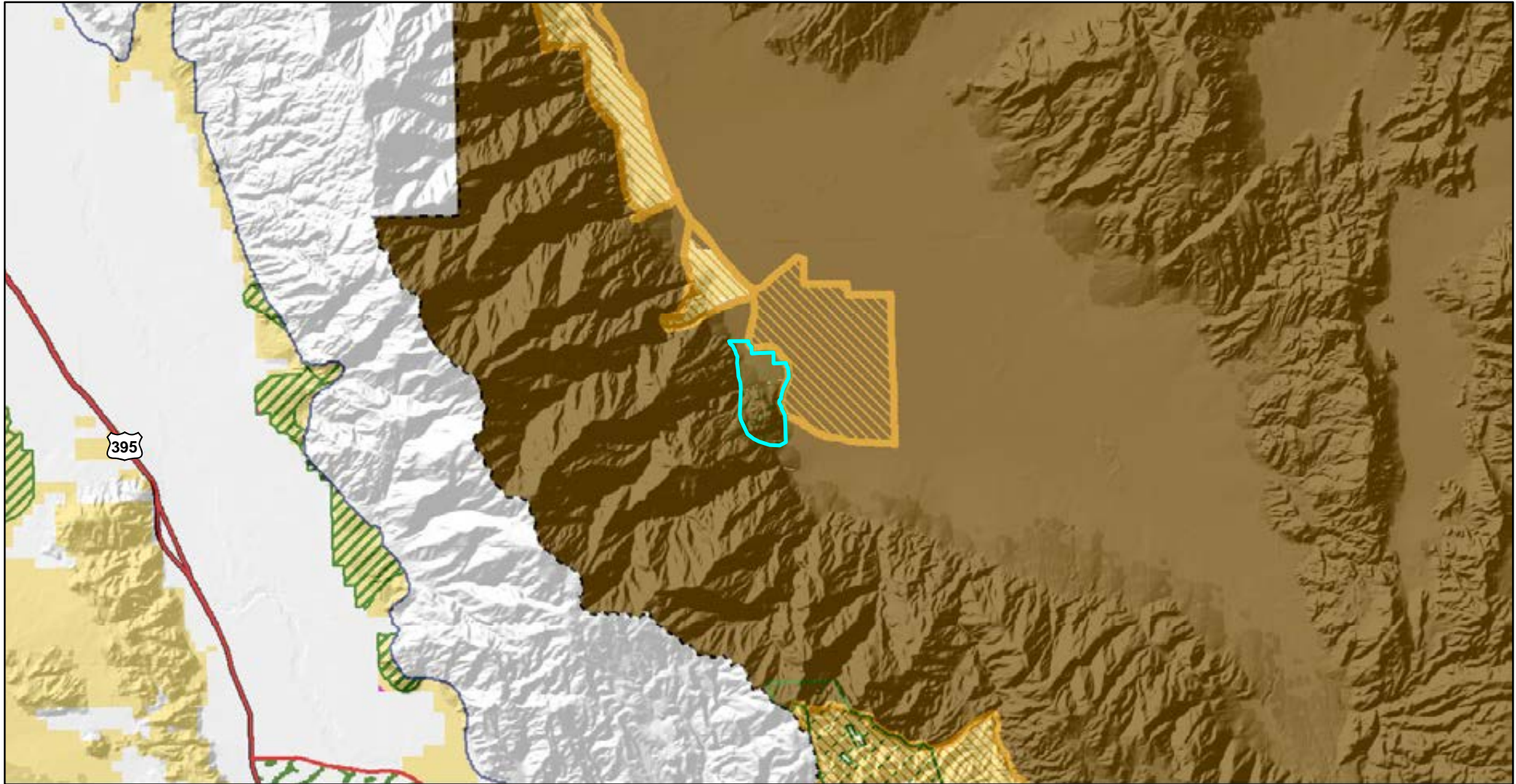
Bureau of Land Management

**Saline Valley  
Alternative 2**

8/26/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

Legislatively & Legally Protected Areas DRECP Boundary

National Conservation Lands CDCA Boundary

**ACEC Boundaries**

0.1% Disturbance Cap

0.25% Disturbance Cap

1% Disturbance Cap

0 2 4  
Miles

**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

**Saline Valley  
Alternative 3**

8/27/2015

Draft Map Boundaries Subject to Change

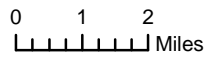






**Conservation Footprint**

- |   |                            |                           |
|---|----------------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary              | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  | <b>Renewable Footprint</b> |                           |
| 0.25% Disturbance Cap                   | Development Focus Areas    |                           |
| 1% Disturbance Cap                      | Variance Lands             |                           |

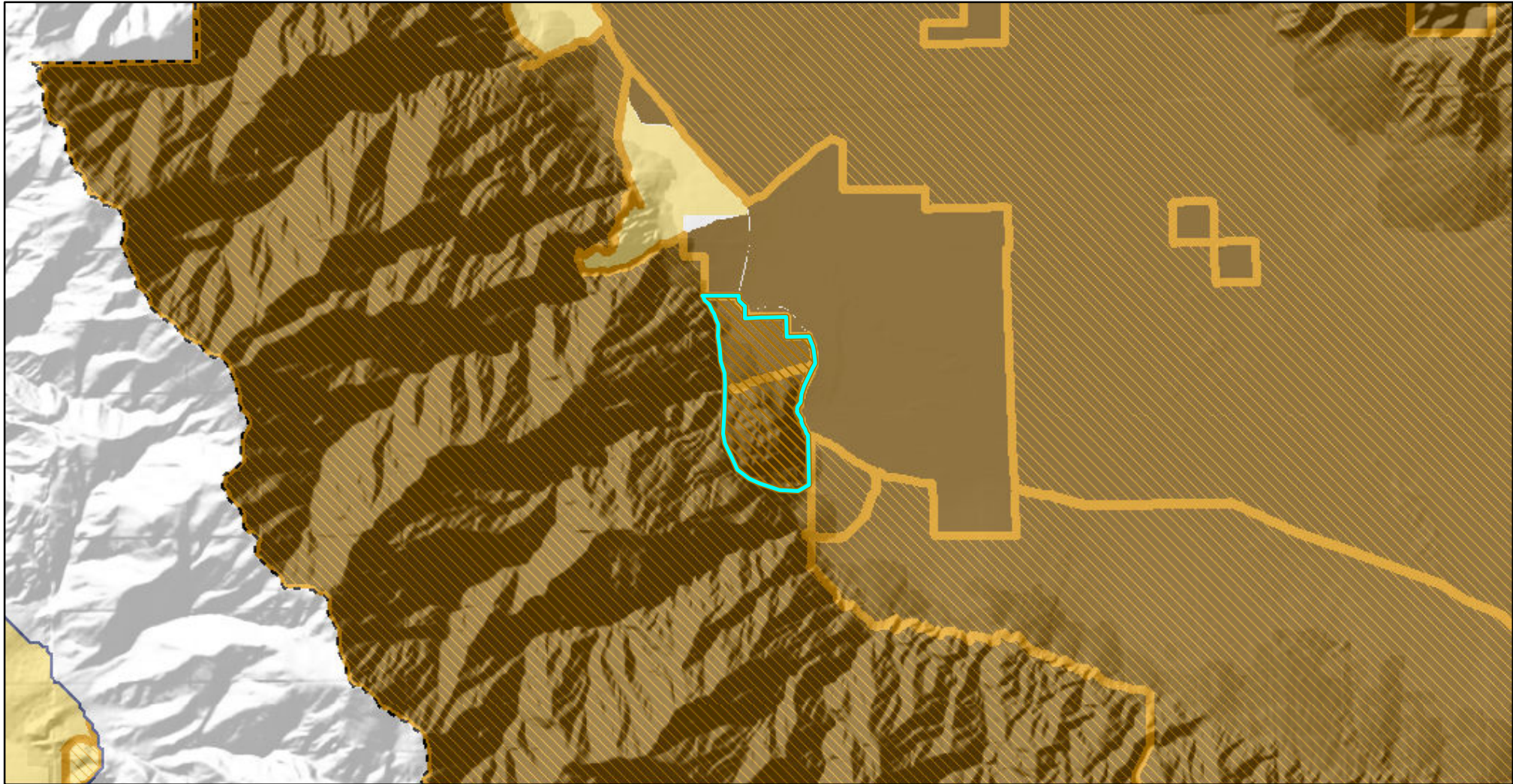


**Saline Valley  
Alternative 4**







8/27/2015

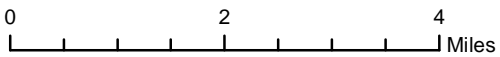
Draft Map Boundaries Subject to Change





**Conservation Footprint**

- |   |   |   |
|---|---|---|
|  Existing ACEC  |  National Conservation Lands             | <b>Land Status</b>  |
|  CDCA Boundary  |  Legislatively & Legally Protected Areas |  Bureau of Land Management |
|  DRECP Boundary |   |   |



**Saline Valley**

**No Action**

9/15/2015

Draft Map Boundaries Subject to Change



### Southern Inyo Wilderness Study Area

**National Conservation Lands Ecoregion:** Not in CDCA

**Description/Location:** This unit is comprised of five (5) disjunct areas located along the western boundary of the Inyo Mountains Wilderness. They are located on the east side of the Owens Valley, at the base of the Inyo Mountains, between the historic mining towns of Reward and Alico.

**Nationally Significant Values:** Not eligible for NLCS proposal under PL 111-11 because it is not in CDCA.

**Special Designations/Management Plan/Date:** This unit is comprised of five (5) disjunct remnants of the Southern Inyo Wilderness Study Area (CA-010-056) described in the California Statewide Wilderness Study Report (1990). Combined, these remnants total 2,930 acres. The majority of the original unit (~ 34,000 acres) was included in the Inyo Mountains Wilderness which was established by Congress in the California Desert Protection Act of 1994.

**Relevance and Importance Criteria:** Portions of the Southern Inyo unit support wilderness characteristics related to naturalness and outstanding opportunities for solitude and primitive and unconfined recreation.

The unit contributes to both the naturalness and the outstanding opportunities for solitude and primitive and unconfined recreation in the western portion of the Inyo Mountains.

The unit also contributes to habitat connectivity for desert wildlife species.

**Overarching Goals:**

Protect the natural values that contribute to opportunities for solitude and primitive and unconfined recreation.

Maintain and improve habitat and habitat connectivity for desert plant and animal species.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

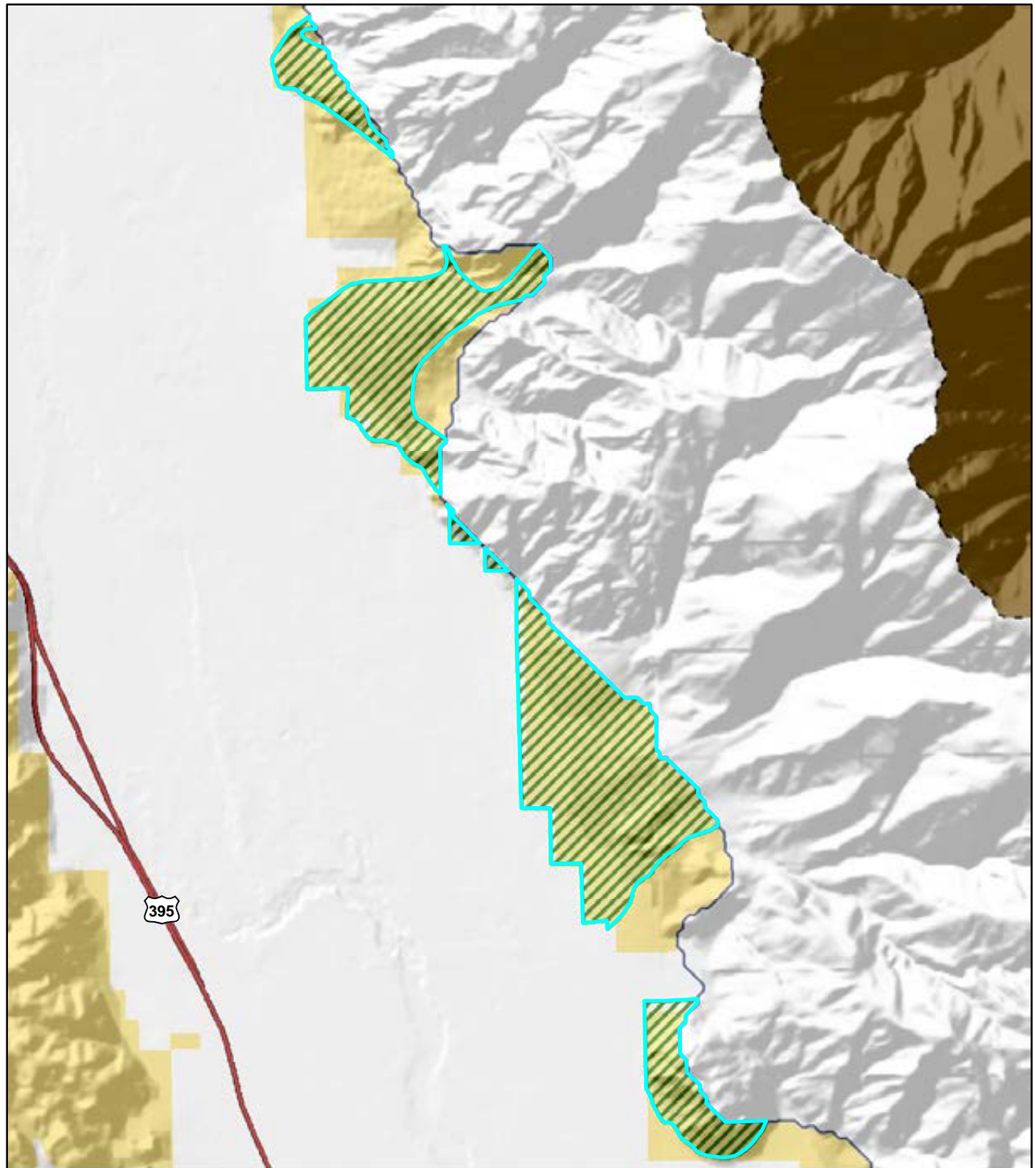
If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**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	2930	0	0.25%
1	0	2930	0	0.25%
2	0	2930	0	0.25%
3	0	2930	0	0.25%
4	0	2930	0	0.25%

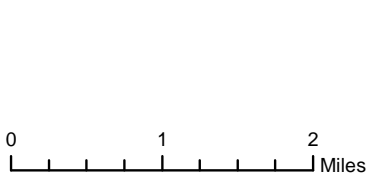
\* Acreage values are for BLM managed lands

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Manage in accordance with current policy and RMP guidance.</p> <p>Allowable Uses: Treatments to maintain or improve native vegetation communities and special status species habitats are not subject to the ACEC disturbance cap.</p> <p>Management Actions: Design and implement treatments to maintain and improve native vegetation communities and special status species habitats.</p>	Vegetation - Including special status species
<p>Manage in accordance with current policy and RMP guidance.</p> <p>Allowable Uses: Projects and treatments to maintain or improve fish and wildlife habitats are not subject to the ACEC disturbance cap.</p> <p>Management Actions: Design and implement projects and treatments to maintain and improve fish and wildlife habitats.</p>	Fish and Wildlife - Including special status species
<p>Manage in accordance with current policy and RMP guidance.</p> <p>Allowable Uses: Vehicle travel is restricted to existing roads, routes and trails.</p> <p>Management Actions: Allow maintenance of existing roads, routes and trails.</p>	Trails and Travel Management
<p>No development.</p> <p>Objective: Maintain natural values and integrity of large blocks of habitat.</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy



Conservation Footprint

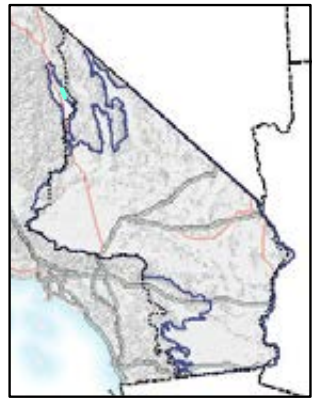
- Legislatively & Legally Protected Areas
- DRECP Boundary
- CDCA Boundary
- Bureau of Land Management
- 0.25% Disturbance Cap

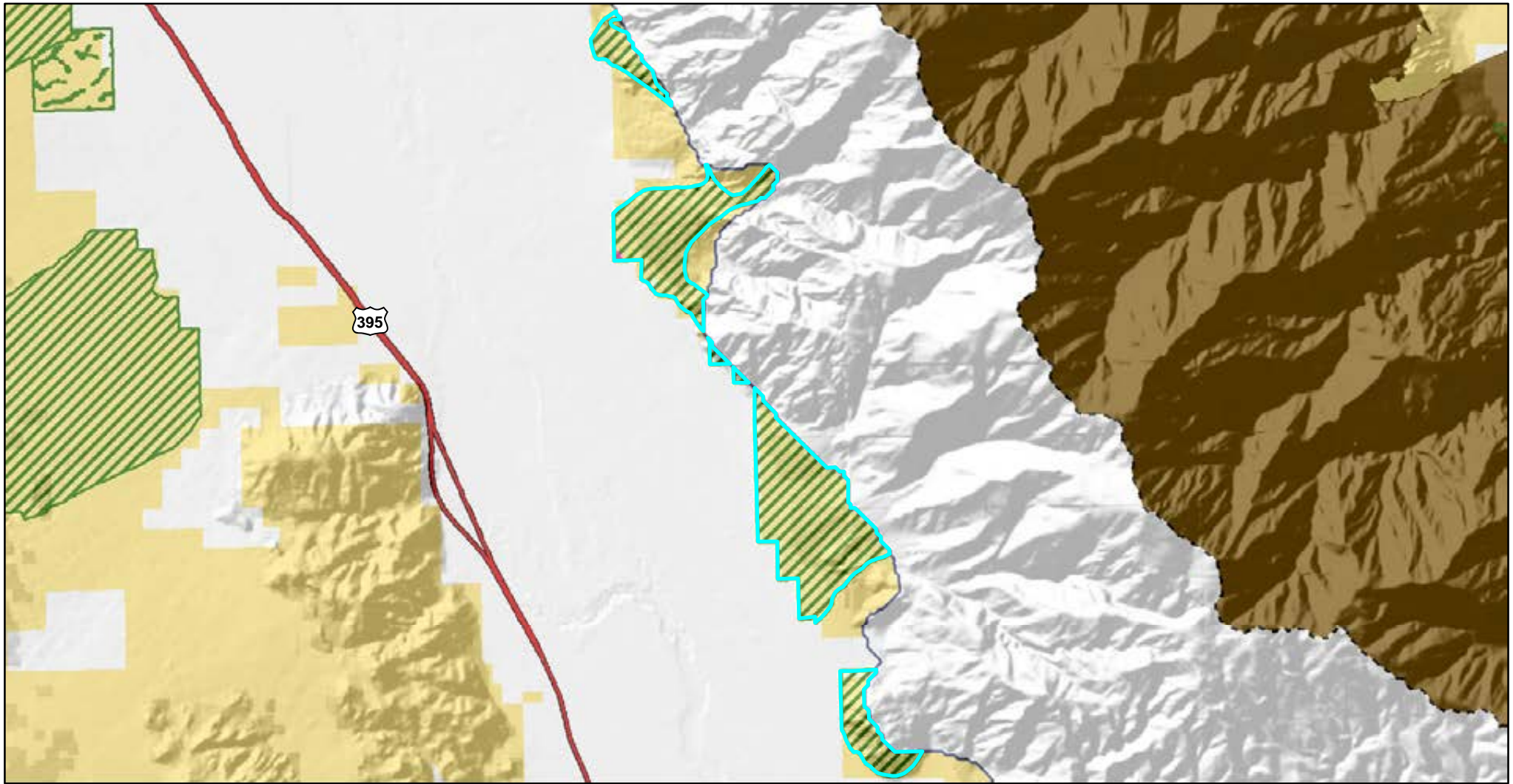


**Southern Inyo WSA**

6/25/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

Legislatively & Legally Protected Areas

**ACEC Boundaries**

- 0.1% Disturbance Cap
- 0.25% Disturbance Cap
- 1% Disturbance Cap

DRECP Boundary

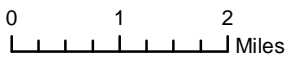
CDCA Boundary

**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

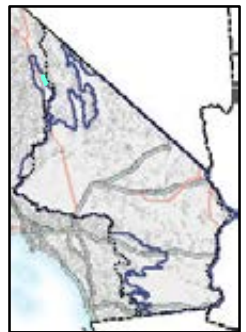
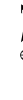


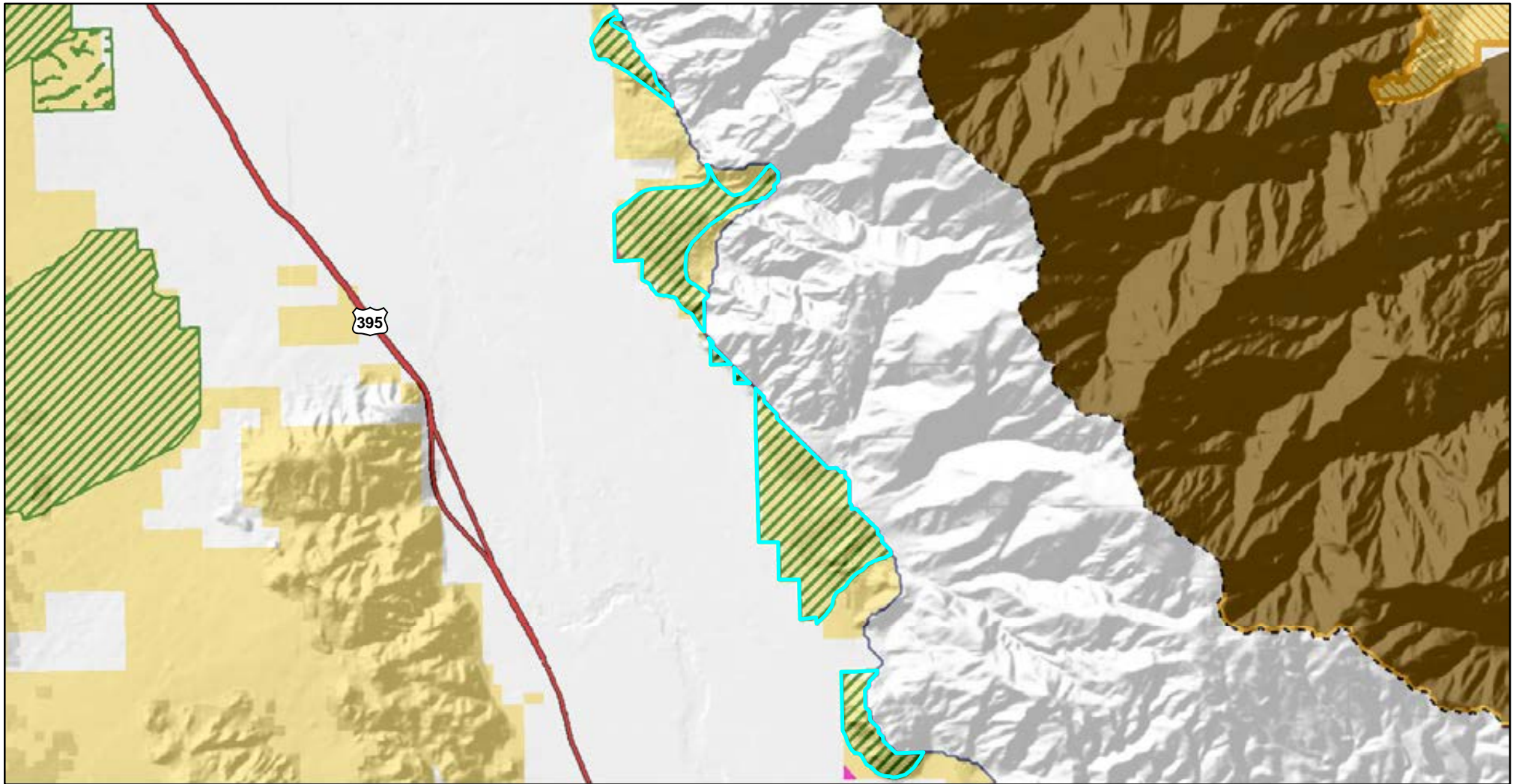
**Southern Inyo WSA**

Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

Legislatively & Legally Protected Areas
  DRECP Boundary

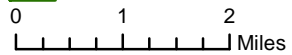
National Conservation Lands
  CDCA Boundary

**ACEC Boundaries**

0.1% Disturbance Cap

0.25% Disturbance Cap

1% Disturbance Cap



**Renewable Footprint**

Development Focus Areas

**Land Status**

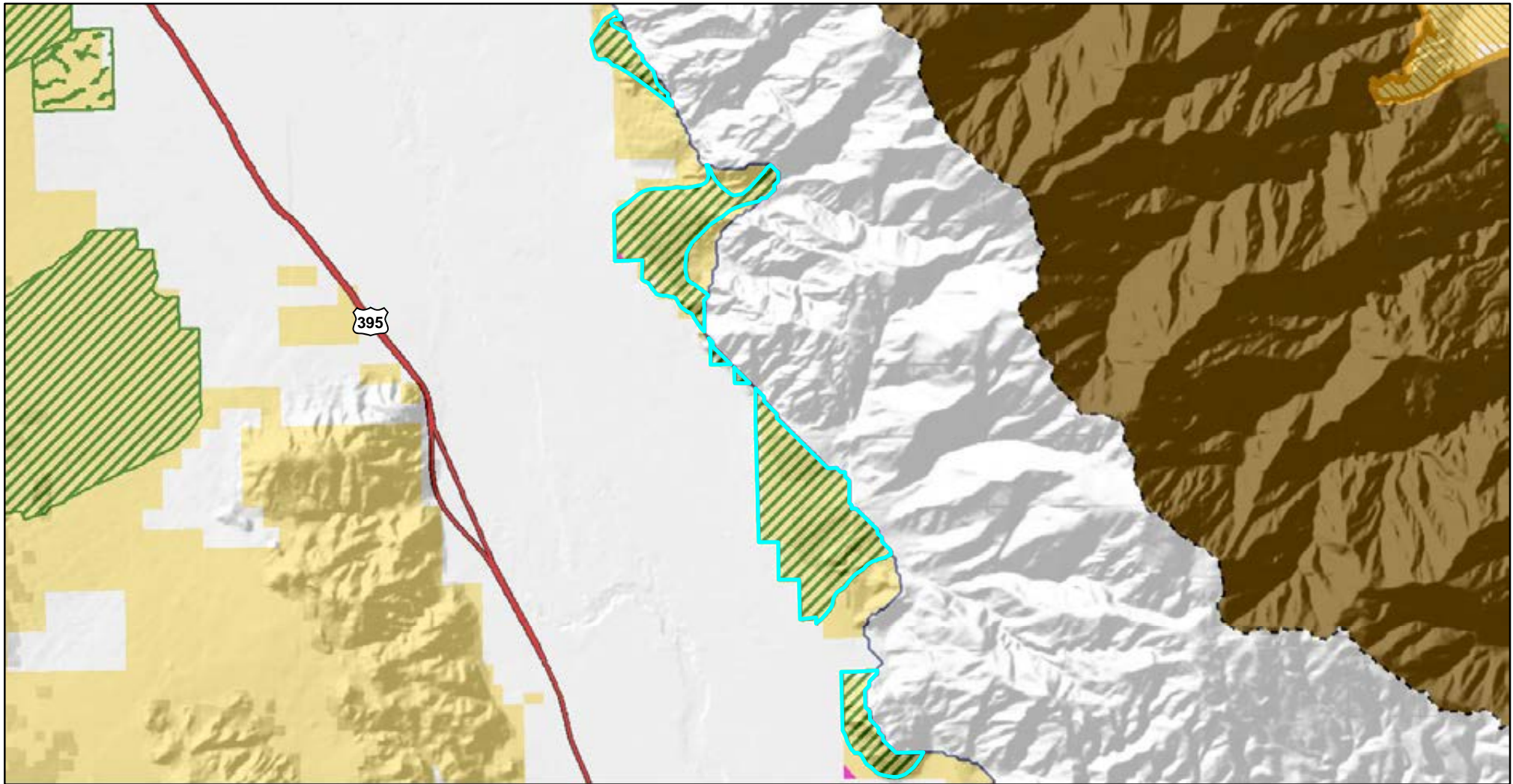
Bureau of Land Management

**Southern Inyo WSA**  
Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change





**Conservation Footprint**

Legislatively & Legally Protected Areas DRECP Boundary

National Conservation Lands CDCA Boundary

**ACEC Boundaries**

0.1% Disturbance Cap

0.25% Disturbance Cap

1% Disturbance Cap

0 0.5 1  
 Miles

**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

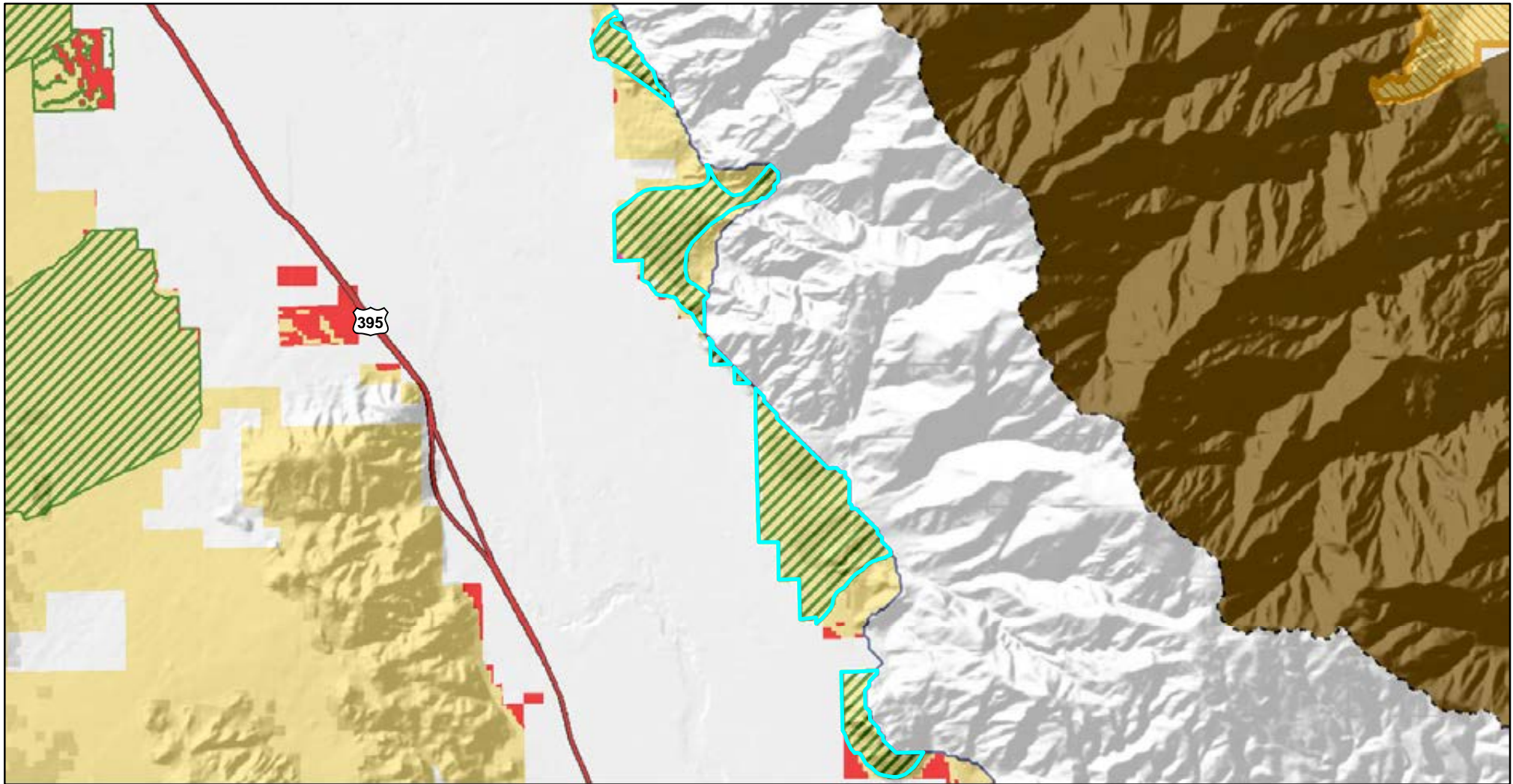
**Southern Inyo WSA**  
 Alternative 3

8/27/2015

Draft Map Boundaries Subject to Change







**Conservation Footprint**

Legislatively & Legally Protected Areas DRECP Boundary

National Conservation Lands CDCA Boundary

**ACEC Boundaries**

0.1% Disturbance Cap

0.25% Disturbance Cap

1% Disturbance Cap

0 1 2  
Miles

**Renewable Footprint**

Development Focus Areas

Variance Lands

**Land Status**

Bureau of Land Management

**Southern Inyo WSA**

Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change



## Surprise Canyon

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Located in the northern part of the Panamint Mountains just east of Warm Sulphur Springs and Indian Ranch Road. The ACEC was partially encompassed by the Surprise Canyon Wilderness, so only a small area of the ACEC remains.

**Nationally Significant Values:** Not proposed for NCLS designation.

**Special Designations/Management Plan/Date:** There was a Sikes Act Management Plan completed for this ACEC (CA-06-WHA-10) in 1982.

**Relevance and Importance Criteria:** Surprise Canyon is a riparian canyon in Panamint Valley that has considerable importance to biological and cultural values. The canyon provides habitat for endemic plants and unique wildlife. The riparian areas produce insect prey for native birds, bats, reptiles, & amphibians and provide shelter to Desert Bighorn Sheep. Essential migratory stop-over habitat for passerine species (song birds). Some areas within the ACEC provide a combination of meteorological, geological, hydrological, topographical features that have been identified as important climate refugia (slow/minimized climate changes) for wildlife species.

**Lands with Wilderness Characteristics:** This unit contains 17 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

**Overarching Goals:** Protect and enhance the natural and cultural resource features found in the Surprise Canyon watershed while providing for other resource uses to the extent that they are compatible with the protection and enhancement of key natural and cultural resources.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II.

### 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	4,642	0	NA
Preferred Alternative	0	4,642	0	1%
1	0	4,639	0	1%
2	0	4,642	0	1%
3	0	4,639	0	1%
4	0	4,639	0	1%

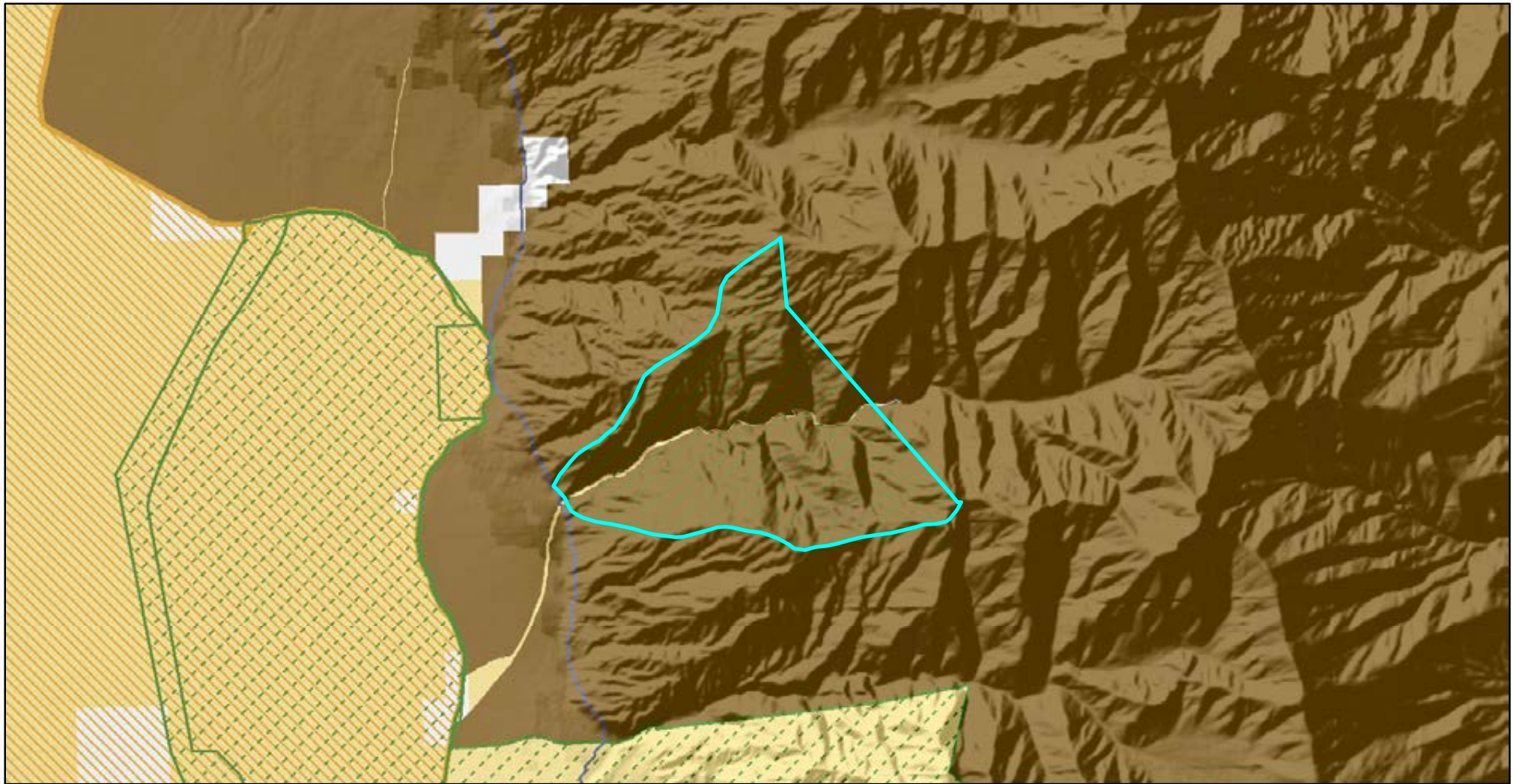
\* Acreage values are for BLM managed lands

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective: Soils exhibit functional biological and physical characteristics that are appropriate to soil type, climate, and land form.</p> <p>Allowable Uses: Restrict construction activities when soils are susceptible to heightened risk of erosion.</p> <p>Management Action: Monitor foot trail</p> <p>Objective: Protect the hydrologic flow regime in all of the wetlands, springs, and riparian areas</p> <p>Allowable Uses: Existing water rights. Remove any unauthorized developments</p> <p>Management actions: Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are function and achieving physical and biological objectives.</p> <p>Monitor Proper Functioning Condition and restore natural flow stream morphology when needed</p> <p>Monitor water uses</p> <p>Maintain the vehicle closure in Surprise Canyon beyond Chris Wicht Camp until a final decision is reached about vehicle use in the canyon corridor and/or Wild and Scenic River legislation is passed.</p> <p>Follow proper procedures for eliminating ROWS and removing developments where they are no longer in use or are not being used for the (mostly mining) purposes for which they were granted.</p>	<p>Soil, water, air</p>
<p>Objective: Protect the following special status plants by ensuring habitat is in a stable or improving condition to keep the species from becoming listed under the ESA.</p> <p>Management Action: Protect and monitor populations of special status plants:  Panamint daisy (<i>Enceliopsis covillei</i>)  Panamint Mountains buckwheat (<i>Eriogonum microthecum var. panamintense</i>)  Panamint dudleya (<i>Dudleya saxosa ssp. saxosa</i>)  Wildrose Canyon buckwheat (<i>Eriogonum eremicola</i>)  Hoffman’s buckwheat</p> <p>Management Action: Prohibit collection of plants except by permit.</p> <p>Maintain special camping and use restrictions (collecting of firewood) within the heavily-used riparian areas in Surprise Canyon.</p> <p>In Surprise Canyon, implement an interim trail maintenance program to allow for foot traffic through the canyon. This would stop damage and loss to the riparian area caused by casual use, trail braiding, and unauthorized trail clearing.</p> <p>Eliminate exotic vegetation, especially tamarisk.</p> <p>Remove burros to prevent damage to the vegetation.</p>	<p>Vegetation (incl. special status species)</p>







<p>Assess measures to prevent impacts to the wetland vegetation in springs situated on the hiking path – especially the spring above the upper waterfall.</p>	
<p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>Management Action: Designate Desert Bighorn Sheep as a priority species for management and protection along with other sensitive species:</p> <p>Townsend’s big-eared bat (<i>Corynorhinus townsendii townsendii</i>) BLM Sensitive threatened  Pallid bat (<i>Antrozous pallidus</i>) BLM Sensitive  Panamint alligator lizard (<i>Elgaria panamintina</i>) BLM Sensitive  Golden Eagle  Ring-tailed cat (<i>Bassariscus astutus</i>) State Fully Protected</p> <p>Prohibit collection of animals, such as the Panamint Alligator lizard, except by permit.</p>	<p>Fish and Wildlife (incl. special status species)</p>
<p><b>Objective 1:</b> Protect biodiversity and manage for resilience (protect climate refugia).</p> <p>Management Action 1: Prioritize habitat enhancement in areas expected to provide for the greatest level of resiliency (good response or rehabilitation results after significant disturbance such as fire) and or resistance to change (e.g. climate refugia).</p> <p>Management Action 2: Consider actions that enhance the primary productivity of climate refugia with native species restoration, reduced soil surface disturbance, and habitat infrastructure to increase carrying capacity of refugia (e.g., wetland, oasis).</p> <p><b>Objective 2:</b> Maintain and or enhance key ecosystem processes (e.g., carbon sequestration, water residence time) and prepare and respond to significant disturbances to the environment (e.g. floods).</p> <p>Management Action 1: Develop proactive and responsive management actions for potentially dangerous and damaging disturbances to the environment, which are exacerbated by climate change (e.g. wildfire, flash floods, etc.).</p> <p>Management Action 2: Minimize carbon sequestration losses from management activities by reducing impacts to vegetation, soil structure and soil biota.</p>	<p>Climate Change and Adaptation</p>
<p>Objective: Preserve the sense of isolation and vast, unspoiled view shed in this area</p> <p>Allowable uses: The area has been classified as Class II Visual Resource Management Areas. The objective of this class is to retain the existing character of the landscape. The level of acceptable change to the</p>	<p>Visual Resources</p>

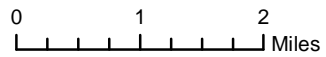
<p>characteristic landscape should be low.  Management Actions: Account for Visual Resource Inventory in all project assessments</p>	
<p>Objective: Limit vehicles to open designated routes and prevent user-created routes from developing.  Allowable Uses: Motorized, non-motorized, non-mechanized, etc. including casual as well as permitted use.</p> <p>Management Action: Continue and enforce vehicle closure upstream of Chris Wicht Camp.</p> <p>Management Actions: Sign designated routes routinely  Consider moving the Surprise Canyon foot trail from the canyon bottom in certain places.  Assess feasibility of maintaining the foot trail.</p> <p>Assess creating a board walk to prevent impacts to the wetland vegetation in springs situated on the hiking path – especially the spring above the upper waterfall.</p> <p>Use minimization criteria for designating routes in any bighorn sheep lambing areas.</p>	<p>Trails and Travel Management</p>
<p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes  Allowable Uses: All forms of casual and permitted recreational uses are allowed including but not limited to dispersed camping, hunting, photography, picnicking, rock hounding, astronomy/star gazing, nature study and viewing.  Management Actions: Increase information to public , maintain signs, vehicle barriers and kiosks, and work with volunteers to clean-up parking and camping areas on a regular basis. Increase compliance with resource protections.</p> <p>Enforce prohibitions on camping and firewood collecting within the Surprise Canyon riparian zone.  Define designated parking and camping areas.</p> <p>Maintain visitor log at trailhead to determine amount and type of visitor use (day use vs. overnight)</p> <p>Firewood collecting prohibited in riparian areas.</p> <p>Prohibit discharge of firearms except during hunting season under CDFG regulations.</p> <p>Dispersed camping allowed at the mouth of Surprise Canyon (at allocated camping spots away from the riparian habitat.)</p> <p>Consider installing Interpretive displays at Surprise Canyon trailhead.</p>	<p>Recreation</p>

<p>Objective: Consolidate through tenure adjustment.  Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	<p>Land Tenure</p>
<p>Objective: Protect resource values of the ACEC  Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	<p>Rights of Way</p>
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	<p>Renewable Energy</p>
<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area.</p> <p>Allowable Uses: No water diversions will be allowed.</p> <p>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</p>	<p>Locatable Minerals  Mineral Materials  Non-energy Leaseables</p>
<p>Objective: Removal of wild burros and horses in the area to attain the management goals.  Management Action: BLM should continue its removal and adoption program to protect seeps, springs, and riparian habitat in the area.</p>	<p>Wild Horse and Burro</p>



Conservation Footprint

- |   |  |   |
|---|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |
| ACEC Boundaries   |  |   |
|  1% Disturbance Cap                      |  |   |

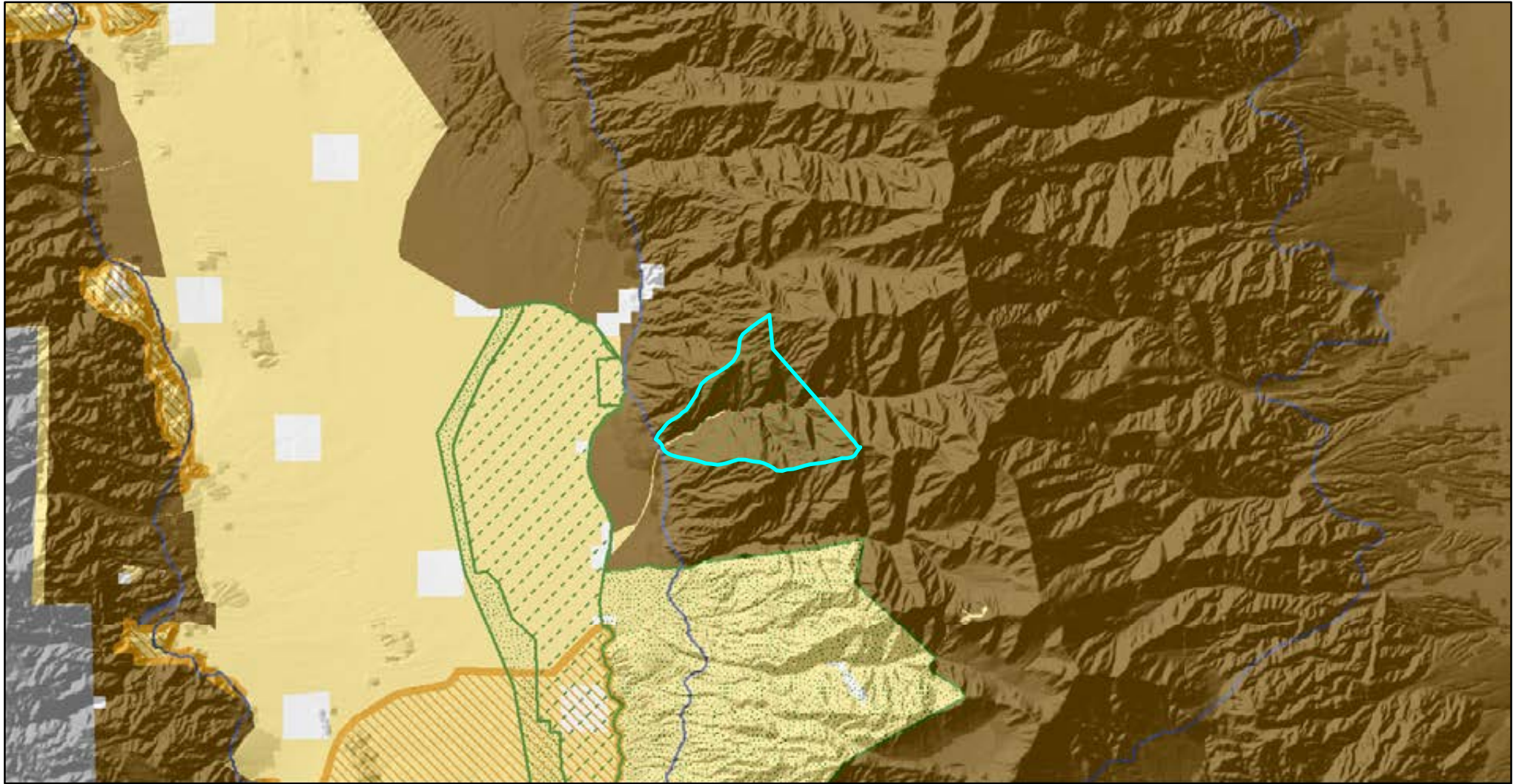


Surprise Canyon

6/24/2015

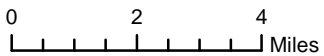
Draft Map Boundaries Subject to Change





Conservation Footprint

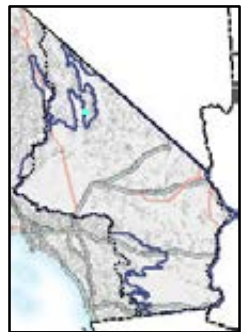
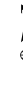
- |   |                |                           |
|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary  | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  |                | Department of Defense     |
| 1% Disturbance Cap                      |                |                           |
| Wildlife Allocation                     |                |                           |



Surprise Canyon  
Alternative 1

8/25/2015









Draft Map Boundaries Subject to Change

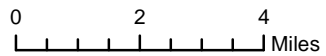






**Conservation Footprint**

- |   |  |   |
|---|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | <b>Land Status</b>  |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |
| <b>ACEC Boundaries</b>  |  |  Department of Defense     |
|  0.25% Disturbance Cap                   |  |   |
|  1% Disturbance Cap                      |  |   |

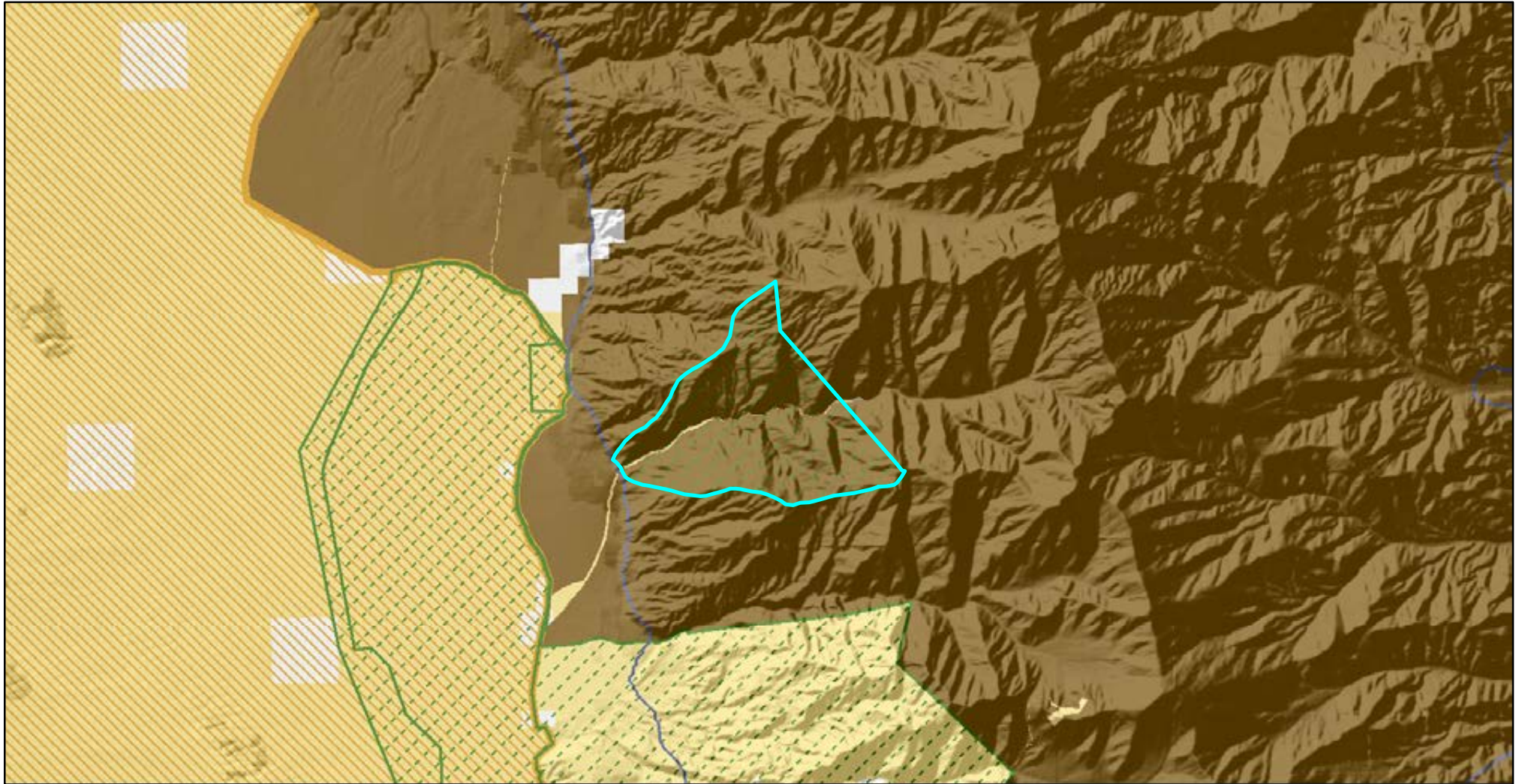


**Surprise Canyon  
Alternative 2**







8/26/2015

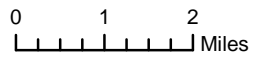
Draft Map Boundaries Subject to Change





Conservation Footprint

- |  |   |   |                |   |                           |
|--|---|---|----------------|---|---------------------------|
|  | Legislatively & Legally Protected Areas |  | DRECP Boundary | <b>Land Status</b>  |                           |
|  | National Conservation Lands             |  | CDCA Boundary  |  | Bureau of Land Management |
| <b>ACEC Boundaries</b>   |   |   |                |   |                           |
|  | 1% Disturbance Cap                      |   |                |   |                           |

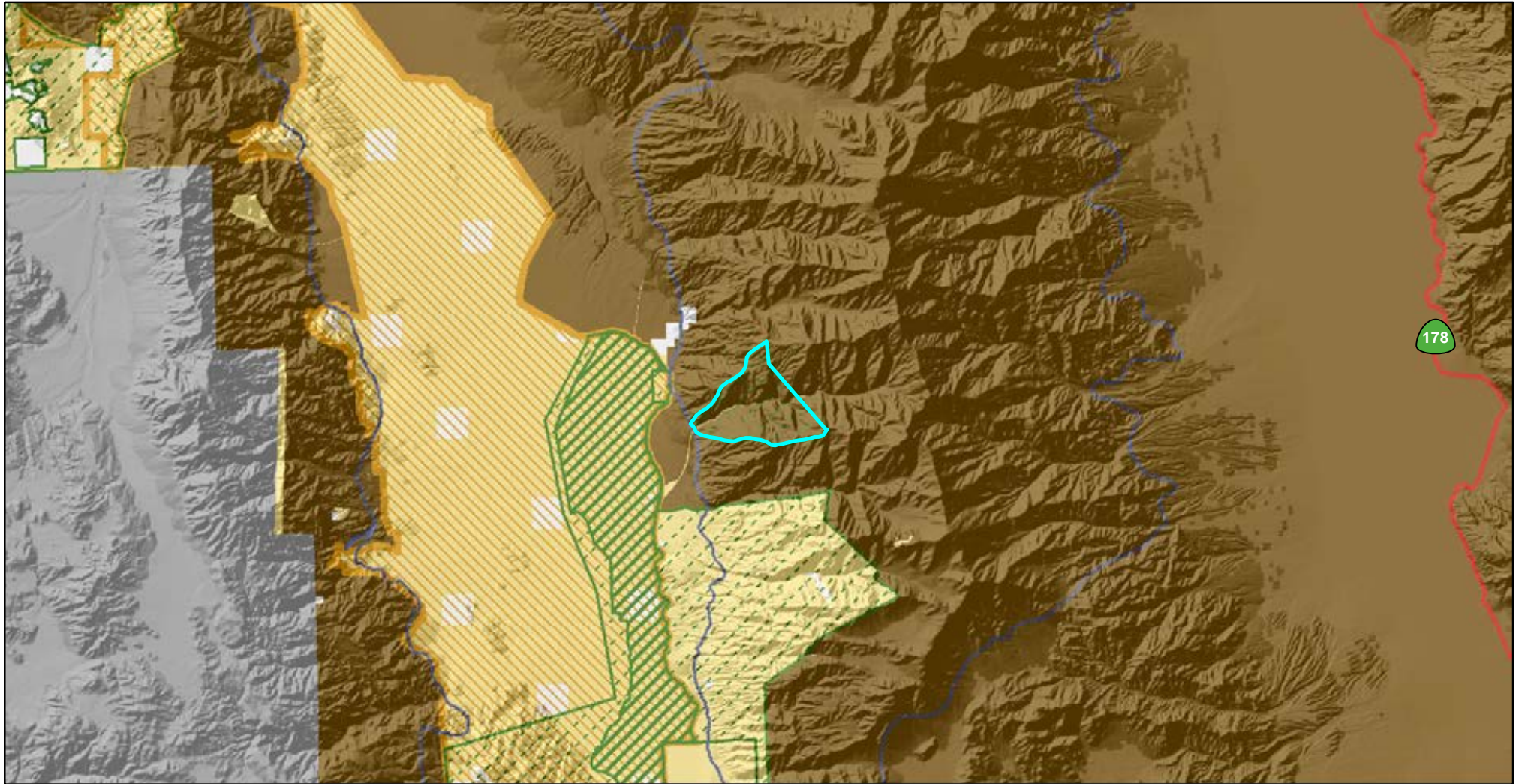


Surprise Canyon  
Alternative 3

8/27/2015

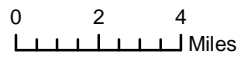
Draft Map Boundaries Subject to Change





Conservation Footprint

- |   |                            |                           |
|---|----------------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary             | <b>Land Status</b>        |
| National Conservation Lands             | CDCA Boundary              | Bureau of Land Management |
| <b>ACEC Boundaries</b>                  | <b>Renewable Footprint</b> | Department of Defense     |
| 0.25% Disturbance Cap                   | Variance Lands             |                           |
| 1% Disturbance Cap                      |                            |                           |

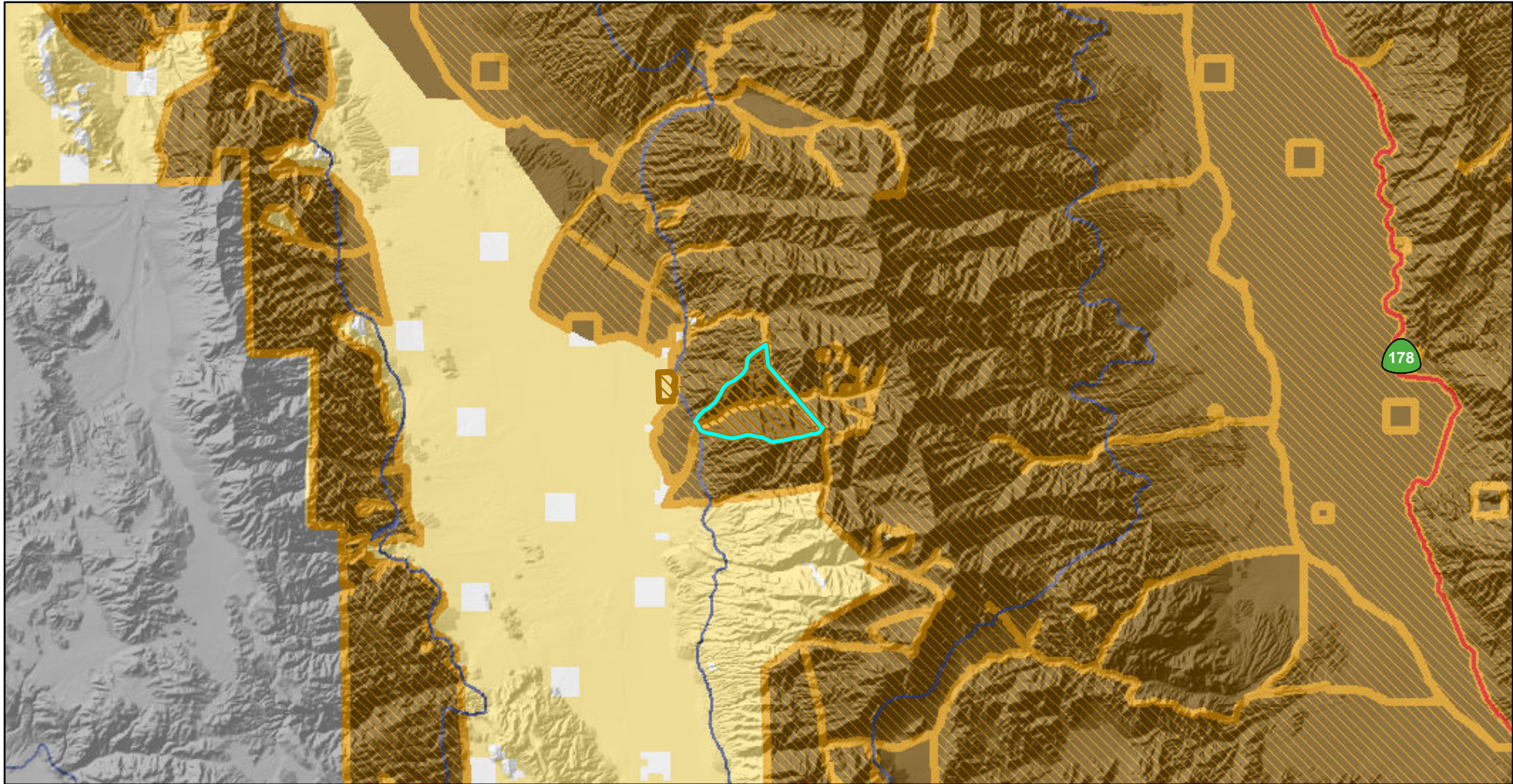


Surprise Canyon  
Alternative 4

8/27/2015



Draft Map Boundaries Subject to Change





**Conservation Footprint**

-  Existing ACEC
-  National Conservation Lands
-  CDCA Boundary
-  Legislatively & Legally Protected Areas
-  DRECP Boundary

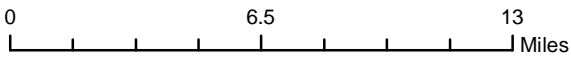
- Land Status**
-  Bureau of Land Management
  -  Department of Defense

**Surprise Canyon**

**No Action**

9/15/2015

Draft Map Boundaries Subject to Change



## Trona Pinnacles National Natural Landmark

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Located at the southern end of Searles Valley on the bed of Searles Dry Lake in northwest San Bernardino County.

**Nationally Significant Values:**

**Ecological:** The Trona Pinnacles are a National Natural Landmark, designated to protect one of the nation's best examples of tufa formation. The Pinnacles formed 10,000 to 100,000 years ago, when Searles Lake was part of a chain of Pleistocene Lakes from Mono Basin to Death Valley.

**Special Designations/Management Plan/Date:** National Natural Landmark Designation, 1968; Designated ACEC, California Desert Conservation Area Plan, 1980; Management Plan for the Trona Pinnacles ACEC 02/24/1989 (CA-06-ACEC-16); West Mojave Plan Route Designation 01/2005 (D.1.25)

**Relevance and Importance Criteria:** This area was designated in recognition of outstanding scenic quality and unique geologic formations. It contains one of the most unusual geologic formations in the California desert consisting of over 500 spires that are the most outstanding example of tufa in North America. These rock formations were designated a National Natural Landmark.

**Recreation Area:** This unit overlaps with the Red Mountain SRMA.

**Overarching Goals:** Protect unique geologic formations while providing for recreational opportunities. . Furthermore, it falls within the Mojave Ground Squirrel Conservation Area and contains habitat for desert tortoise.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

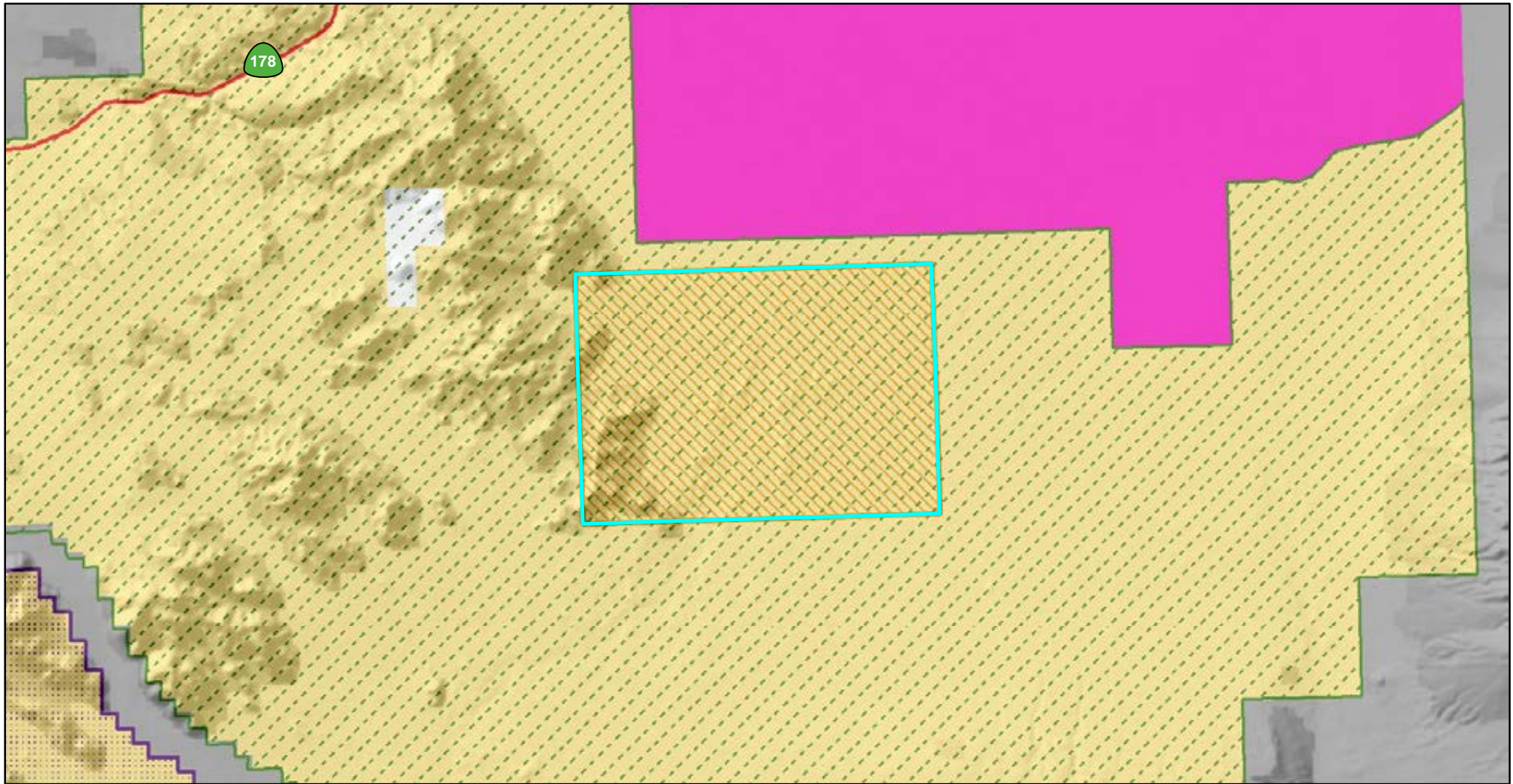
If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values..

<b>Designation and Acreage by Alternative:</b>				
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	4,000	0	NA
Preferred Alternative	4,000	4,000	0	1%
1	0	4,055	0	1%
2	4,100	4,100	0	1%
3	0	4,100	0	1%
4	4,100	4,100	0	1%

\* Acreage values are for BLM managed lands

<b>Objectives (desired future conditions)/Allowable Uses/Management Actions</b>	<b>Resource</b>
<p>Objective: Protect unique geologic formations from undue degradation  Allowable uses: Activities which do not result in soil loss or erosion</p> <p>Management Action:  Provide interpretive and educational opportunities  Monitor for soil compaction</p>	Soil, water, air
<p>Objective: Maintain intact vegetation communities and prevent fragmentation.  Management Action: Remove invasive plants, rehabilitate/revegetate disturbed areas</p>	Vegetation (incl. special status species)
<p>Objective: Protect raptors by ensuring nesting and foraging habitat is in a stable or improving condition habitat</p> <p>Allowable Uses: Prohibit target shooting  Management Action: Conduct surveys to evaluate the use of the area by avian species.</p> <p>Management Action: Minimize disturbance to nesting activities  Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:  Management Action: Designate the following as priority species for management and protection.  Management Action: Maintain stable or increasing population trends of special status species to ensure persistence:  American Badger (<i>Taxidea taxus</i>) State Special Animal  Desert Tortoise (<i>Gopherus agassizii</i>) Federally and State threatened  Mohave ground squirrel (<i>Spermophilus mohavensis</i>) State threatened  Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern</p>	Fish and Wildlife (incl. special status species)

<p>Burrowing Owl (<i>Athene cunicularia</i>) BLM Sensitive Golden Eagles</p>	
<p>Objective: General Management and Protection of Paleontological Resources</p> <p>Management Action: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act. Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed.</p>	<p>Paleontology</p>
<p>Objective: Maintain the high Scenic Quality, which was the identified purpose of the Landmark and ACEC designation</p> <p>Management Action: Establish a day use area with camping spots and a vault toilet where the viewshed of the Pinnacles would not be interrupted. Prohibit target shooting Establish regular patrols to ensure vandalism and graffiti is controlled</p>	<p>Visual Resources</p>
<p>Objective: Minimize impacts to the Trona Pinnacles through designation of routes and trails through the area.</p> <p>Allowable Use: Motorized, non-motorized, non-mechanized limited access to designated trails.</p> <p>Management Action: Install and maintain Highway destination signs Designate routes for travel Restore, Rehabilitate, or otherwise block access on non-designated trails</p>	<p>Trails and Travel Management</p>
<p>Objective: Enhance visitor experience</p> <p>Allowable Uses: Variety of day use activities</p> <p>Management Action: Establish a day use area with picnic area and toilet. Closed to firearms Limit OHV use to designated routes Create interpretive guide and trails No camping at the designated picnic area</p>	<p>Recreation</p>



**Conservation Footprint**

National Conservation Lands

**ACEC Boundaries**

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

OHV Boundary

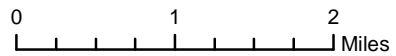
**Renewable Footprint**

Development Focus Areas

**Land Status**

Bureau of Land Management

Department of Defense



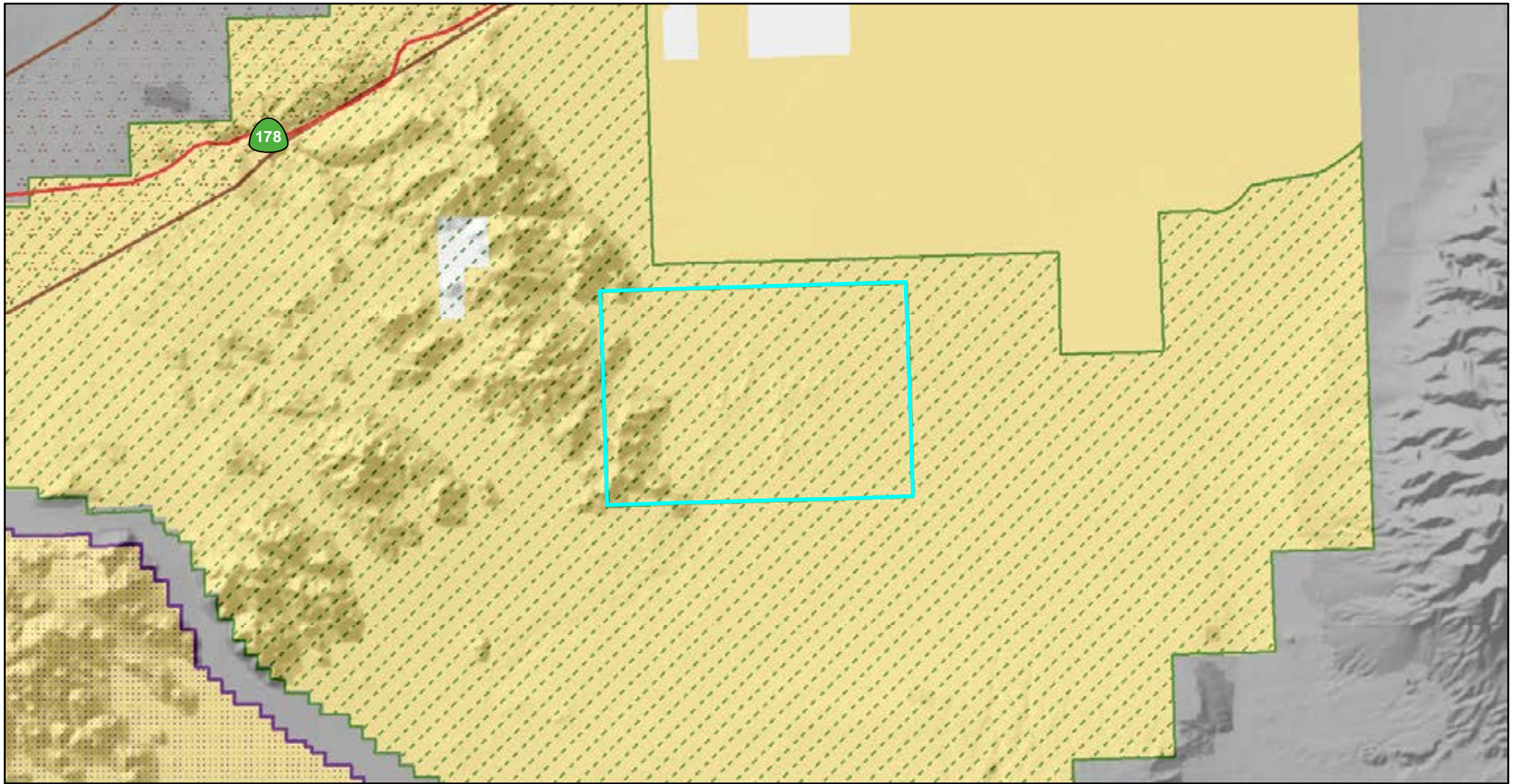
**Trona Pinnacles**

6/24/2015

Draft Map Boundaries Subject to Change

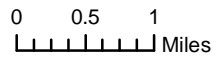






Conservation Footprint

- |                    |                       |                           |
|--------------------|-----------------------|---------------------------|
| ACEC Boundaries    | DRECP Boundary        | Land Status               |
| 1% Disturbance Cap | CDCA Boundary         | Bureau of Land Management |
|                    | Transmission Corridor | Department of Defense     |
|                    | OHV Boundary          |                           |

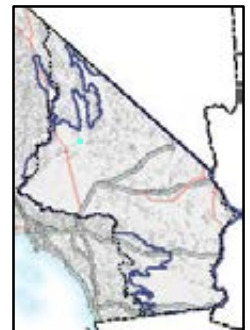


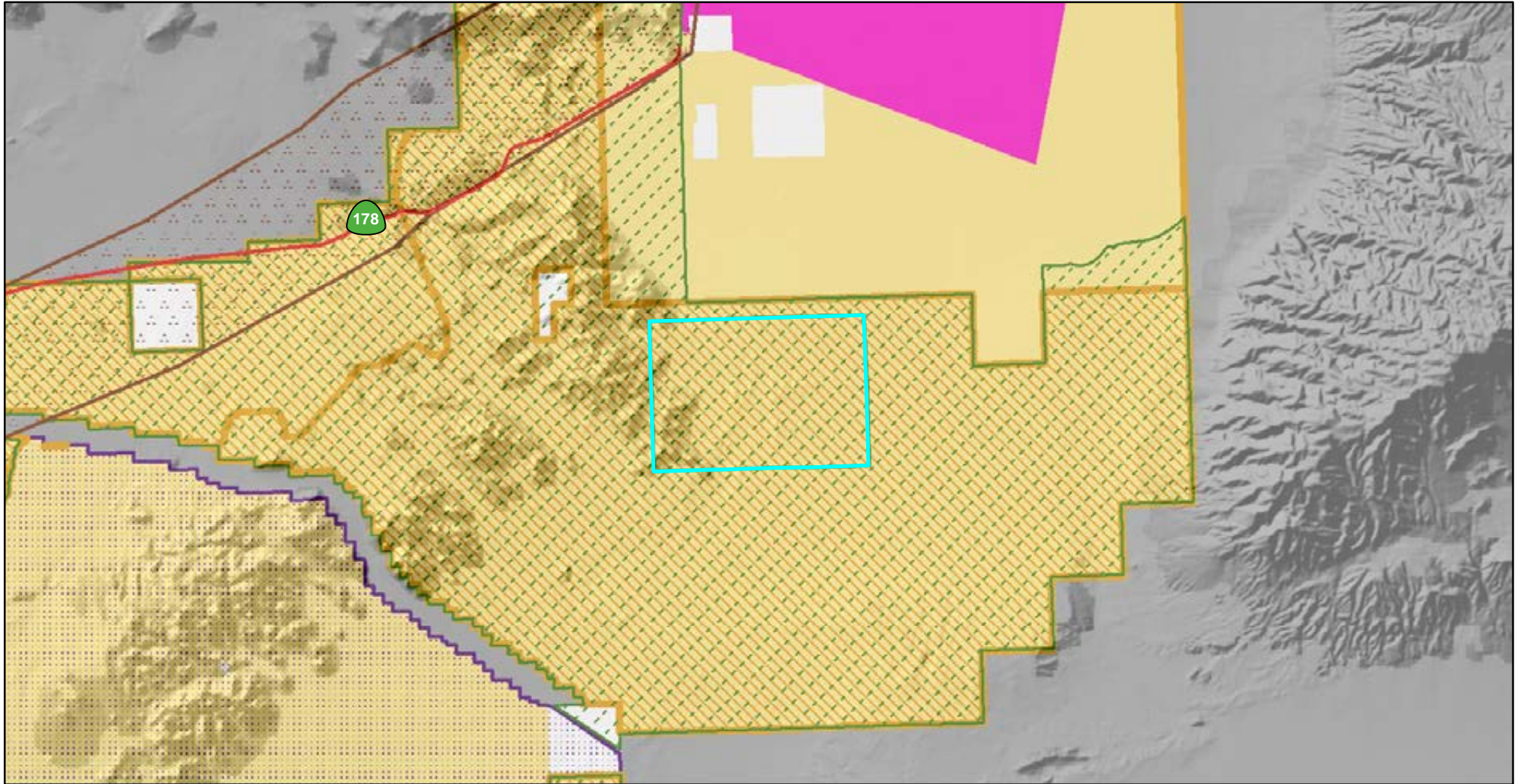
Trona Pinnacles

Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change






Conservation Footprint


 National Conservation Lands

ACEC Boundaries

 1% Disturbance Cap

 DRECP Boundary

 CDCA Boundary


 Transmission Corridor


 OHV Boundary

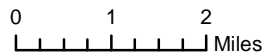
Renewable Footprint

 Development Focus Areas

Land Status

 Bureau of Land Management

 Department of Defense

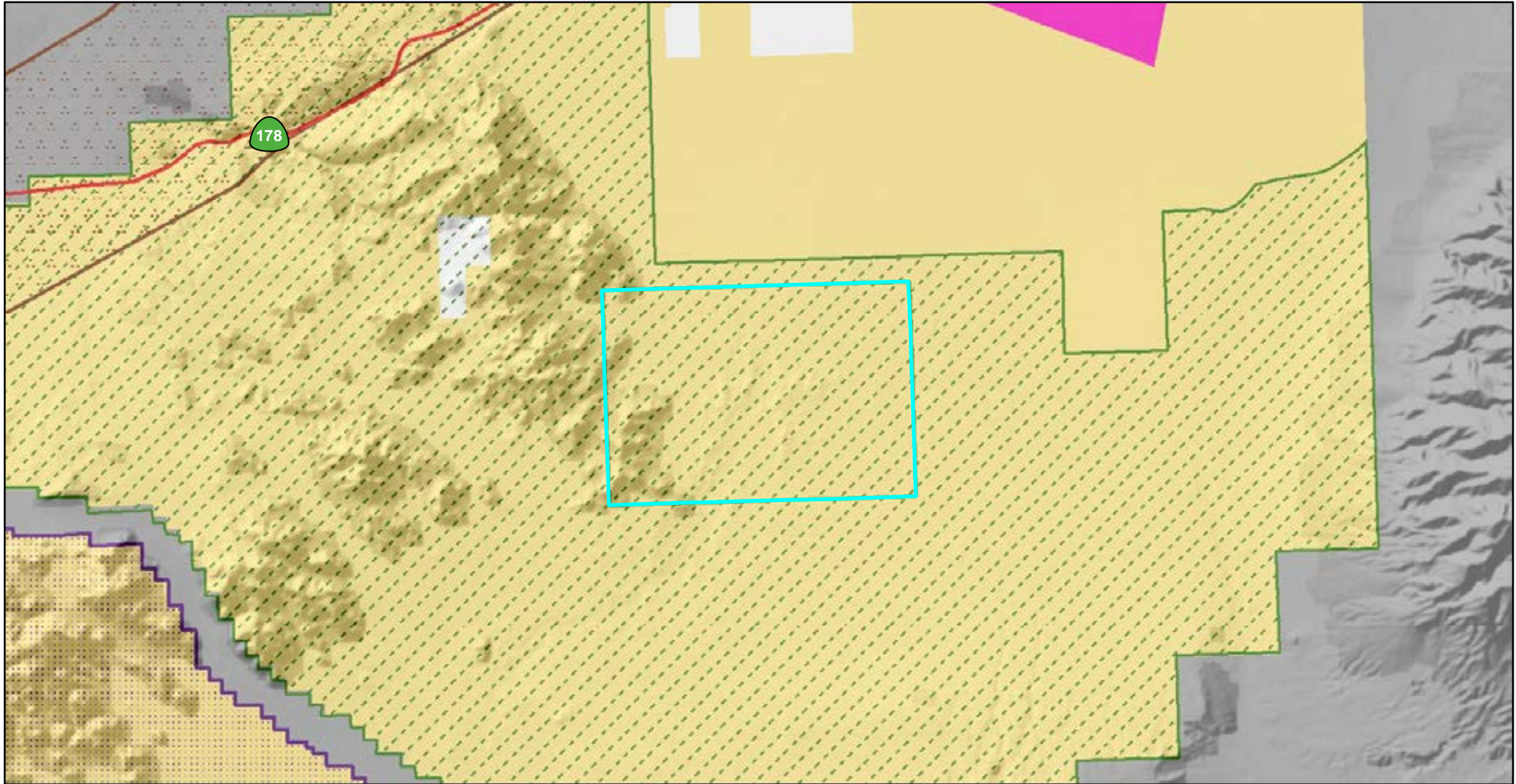


Trona Pinnacles  
Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change



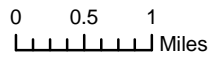


Conservation Footprint

- ACEC Boundaries
  - 1% Disturbance Cap
  - DRECP Boundary
  - CDCA Boundary
  - Transmission Corridor
  - OHV Boundary
- Renewable Footprint
  - Development Focus Areas

Land Status

- Bureau of Land Management
- Department of Defense

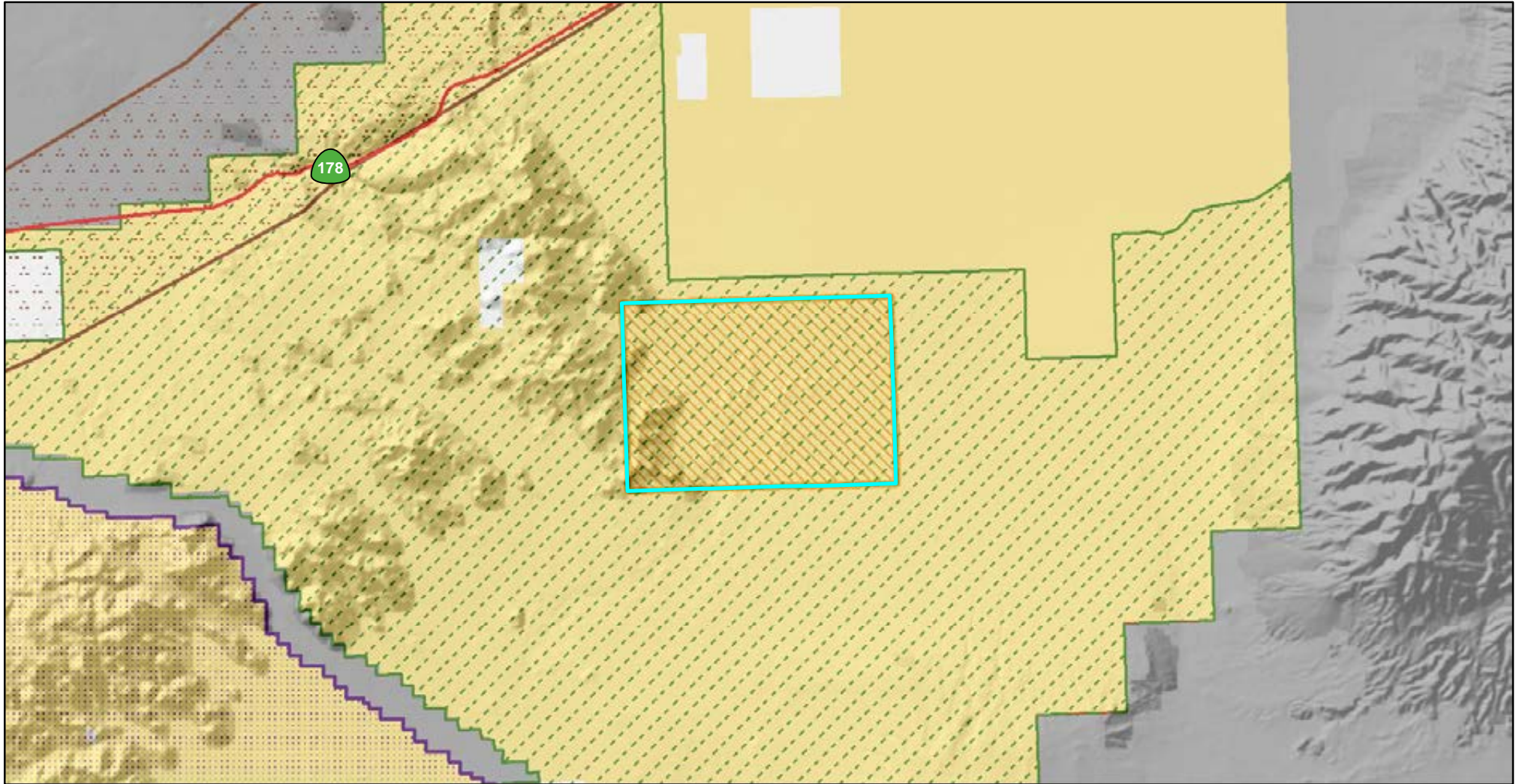


Trona Pinnacles  
Alternative 3

8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

National Conservation Lands

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

OHV Boundary

Transmission Corridor

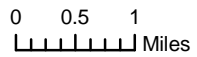
Renewable Footprint

Variance Lands

Land Status

Bureau of Land Management

Department of Defense

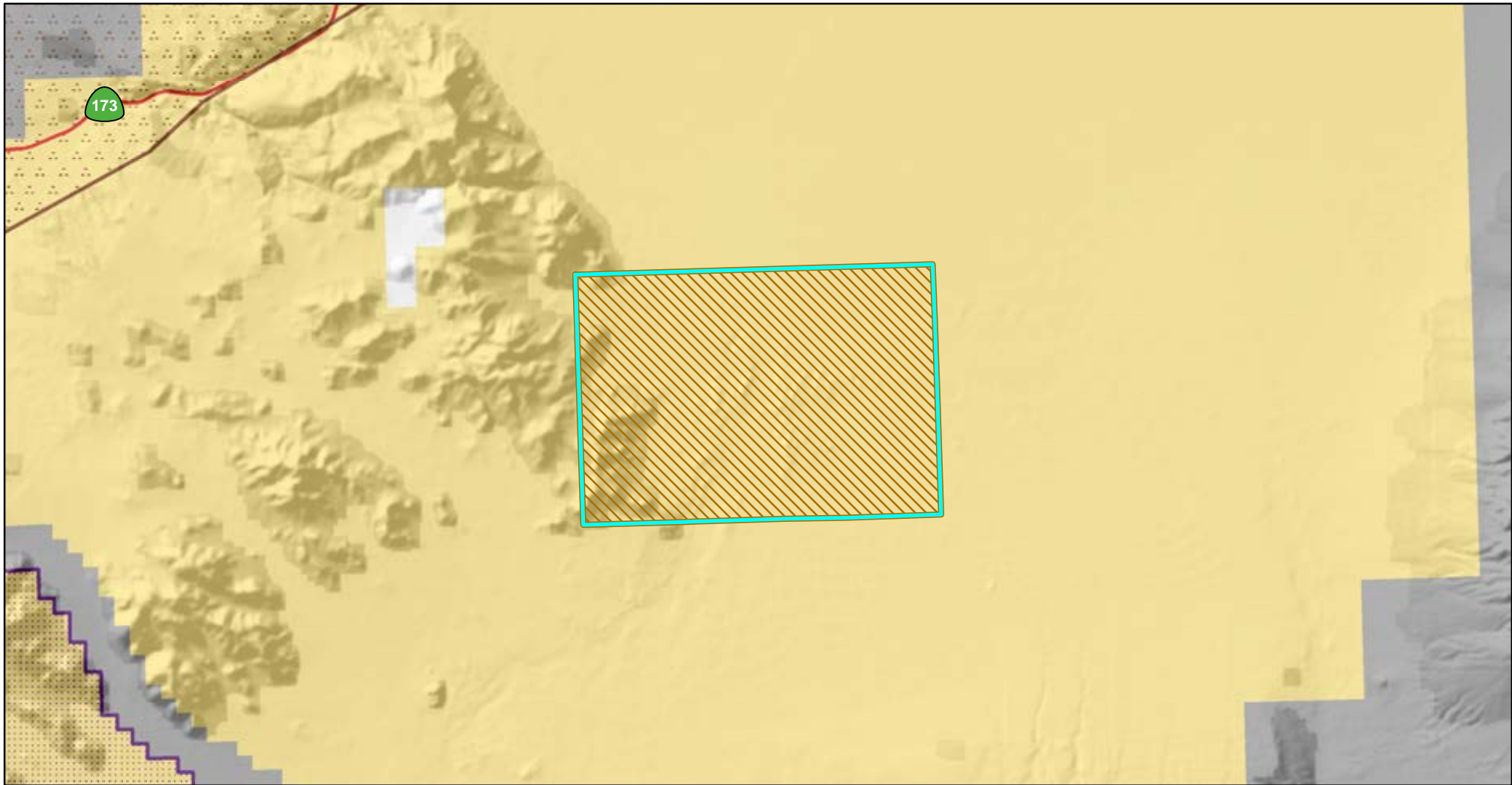


Trona Pinnacles  
Alternative 4








8/27/2015

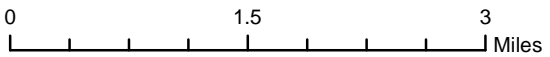
Draft Map Boundaries Subject to Change





Conservation Footprint

- |  |   |
|--|---|
|  Existing ACEC         | <b>Land Status</b>  |
|  Transmission Corridor |  Bureau of Land Management |
|  CDCA Boundary         |  Department of Defense     |
|  DRECP Boundary        |   |
|  OHV Boundary          |   |

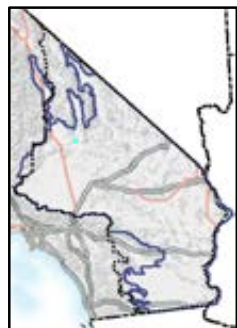


Trona Pinnacles

No Action

9/15/2015

Draft Map Boundaries Subject to Change



## Warm Sulfur Spring

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Northeast part of Panamint Valley just west of the Surprise Canyon Wilderness and west of Indian Ranch Road. Warm Sulfur Springs extends north from Surprise Canyon to Hall Canyon in the Panamint Range.

**Nationally Significant Values:**

**Cultural:** The expected cultural resources at Warm Sulphur Springs could include both prehistoric and historic archaeological sites. Datable events involving man begin before 8,000 B.C. at Lake Hill near Panamint Butte (Davis, 1970). Sites in this area may be eligible for listing on the National Register of Historic Places as districts, trail systems, or individual sites under any of the National Register Criteria.

The area is a Tribal Cooperative Activity/Special Use Area within the Timbisha Shoshone Homeland. The Tribe is authorized to use the area for low impact, ecologically sustainable, traditional practices pursuant to a jointly established management plan mutually agreed upon by the National Park Service or the Bureau of Land Management, as appropriate. This authorization is set forth in the Timbisha Shoshone Homeland Act of January, 2000. The Timbisha tribe attaches considerable importance to the springs, desert marsh, and mesquite groves of this area. The importance of the Warm Sulphur Springs to the Timbisha Shoshone covers a period of at least 200 years.

**Scientific:** Aquatic invertebrate studies have been focused in this area.

**Special Designations/Management Plan/Date:** No plan has been completed yet, but one is in progress. This ACEC was designated by an amendment to the CDCA Plan in 1985 (Amendment 14).

**Relevance and Importance Criteria:** Warm Sulphur Springs is a desert marsh in Panamint Valley that has considerable importance to wildlife. The marsh provides habitat for waterfowl, wading birds, amphibians, and other species. It is a unique desert wetland community with mesquite bosques and freshwater & saline marshes. Warm Sulphur Springs is classified as jurisdictional wetlands. In California, Utah pickleweed occurs only in this area and in adjacent DVNP. The bosques & wetlands are prime stop-over and wintering habitats for migratory birds, as well as important areas for nesting birds. The riparian areas produce insect prey for native birds, bats, reptiles, & amphibians and provide shelter to Desert Bighorn Sheep. Some areas within the ACEC provide a combination of meteorological, geological, hydrological, topographical features that have been identified as important climate refugia (slow/minimized climate changes) for wildlife species.

Important food plants grow in the Warm Sulphur Springs area, including cattails and mesquite. Subsistence activities focused on collecting and processing mesquite seeds. The Native Americans used fire here to remove emergent vegetation to create open water, which attracts waterfowl, an important food.

**Recreation Area:** This unit overlaps with the Panamint Valley SRMA.

**Overarching Goals:** Protect and enhance wetland, aquatic and riparian habitats and their associated plant communities and wildlife assemblages, specifically mesquite bosques and marshes, and isolated seeps and springs, that are rare ecosystems in the desert. Preserve unique geologic/hydrologic features and ecosystem services such as carbon sequestration. Preserve scenic views and opportunities for observing nature. Inventory and protect cultural resources from disturbance and damage.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	300		
Preferred Alternative	300	300	0	1%
1	0	300	0	1%
2	300	300	0	1%
3	300	300	0	1%
4	300	300	0	1%

\* Acreage values are for BLM managed lands

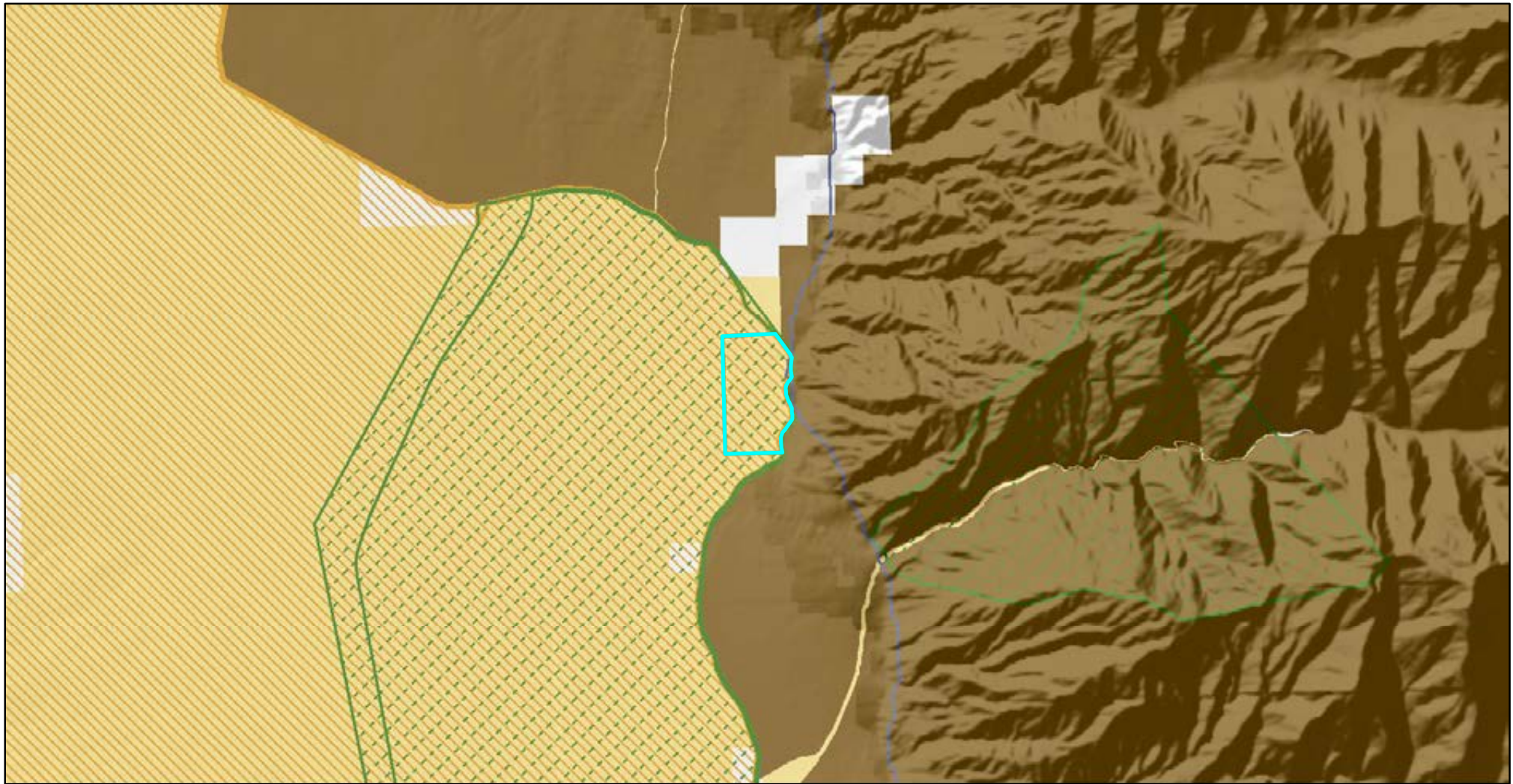
Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Management actions: Manage riparian/wetland vegetation, structure, and diversity and stream channels and floodplains so that they are function and achieving physical and biological objectives.</p> <p>Monitor Proper Functioning Condition and restore natural flow stream morphology when needed</p> <p>Monitor water uses</p>	Soil, water, air
<p>Objective: Protect unique marsh, bosque, and riparian communities.</p> <p>Management Action: Eradicate Salt cedar (<i>Tamarix ramosissima</i>) from the area.</p> <p>Prohibit collection of plants except by permit.</p> <p>Remove burros to prevent damage to the vegetation.</p>	Vegetation (incl. special status species)
<p>. Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p>	Fish and Wildlife (incl. special status species)

<p>Management Action: Designate wading birds and priority species for management and protection along with other sensitive species:</p> <p>Townsend’s big-eared bat (<i>Corynorhinus townsendii townsendii</i>) BLM Sensitive  Pallid bat (<i>Antrozous pallidus</i>) BLM Sensitive  Western mastiff bat (<i>Eumops perotis californicus</i>) BLM Sensitive  Panamint alligator lizard (<i>Elgaria panamintina</i>) BLM Sensitive  Prairie Falcon (<i>Falco mexicanus</i>) USFWS Bird of Conservation Concern</p> <p>Prohibit collection of animals except by permit.</p>	
<p><b>Objective 1:</b> Protect biodiversity and manage for resilience (protect climate refugia and provide for migration corridors).</p> <p>Management Action 1: Prioritize habitat enhancement in areas expected to provide for the greatest level of resiliency (good response or rehabilitation results after significant disturbance such as fire) and or resistance to change (e.g., climate refugia).</p> <p>Management Action 2: Consider actions that enhance the primary productivity of climate refugia with native species restoration, reduced soil surface disturbance, and habitat infrastructure to increase carrying capacity of refugia (e.g., wetland, oasis).</p> <p>Management Action 3: Maintain migration corridor integrity by minimizing obstructions (fences, roads), disturbances (limiting access to water and shade during peak temperatures) and habitat fragmentation.</p> <p><b>Objective 2:</b> Maintain and or enhance key ecosystem processes (e.g., carbon sequestration, water residence time) and prepare and respond to significant disturbances to the environment (e.g., floods).</p> <p>Management Action 1: Develop proactive and responsive management actions for potentially dangerous and damaging disturbances to the environment, which are exacerbated by climate change (e.g., wildfire, flash floods, etc.).</p> <p>Management Action 2: Minimize carbon sequestration losses from management activities by reducing impacts to vegetation, soil structure and soil biota.</p> <p>Management Action 3: Leverage disturbance events and other landscape changes, when possible, as opportunities to assess climate adaptation actions. For example, revegetation objectives for projected climate scenarios benefiting multiple ecosystem services (habitat and carbon sequestration objectives).</p>	<p>Climate Change and Adaptation</p>
<p>Objective: Preserve the sense of isolation and vast, unspoiled view shed in this area</p> <p>Allowable uses: the area has been classified as Class II Visual Resource</p>	<p>Visual Resources</p>









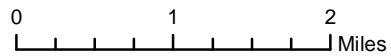
<p>Management Areas. The objective of this class is to retain the existing character of the landscape. The level of acceptable change to the characteristic landscape should be low.</p> <p>Management Actions: Account for Visual Resource Inventory in all project assessments</p>	
<p>Objective: Limit vehicles to open designated routes and prevent user-created routes from developing.</p> <p>Allowed uses: Motorized, non-motorized, non-mechanized, etc. including casual as well as permitted use.</p> <p>Management Actions: Sign designated routes routinely</p>	Trails and Travel Management
<p>Objective: Protect sensitive riparian resources (i.e., nesting Inyo CA Towhee) while providing dispersed recreational opportunities.</p> <p>Allowable Uses: Casual and permitted recreational uses are allowed including Hiking/Walking, picnicking, nature study, wildlife and wildflower viewing.</p> <p>Management Action: Eliminate camping in the ACEC. Increase compliance with prohibitions on camping and firewood collecting.</p> <p>Management Actions:  Provide opportunities for visitors to learn about the natural and cultural values of the area.  Establish the area as a Watchable Wildlife Site.  Evaluate visitor needs  Prepare a Site Enhancement Plan <ul style="list-style-type: none"> <li>- Signs</li> <li>- Brochures</li> <li>- Kiosks</li> <li>- Walkways, trails, viewing areas</li> </ul> </p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Allowable Uses: There is an existing Inyo County road ROWs along Indian Ranch Road that borders the east edge of the ACEC.</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy

<p>Objective: Support the national need for reliable and sustainable domestic minerals while protecting the sensitive resources in the area.</p> <p>Allowable Uses: Restrict mining activity to upland sites, east of the Indian Ranch road.</p> <p>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.</p>	<p>Locatable Minerals Mineral Materials Non-energy Leaseables</p>
<p>Objective: Removal of wild burros and horses in the area to attain the management goals.</p> <p>Management Action: BLM should continue its removal and adoption program to protect seeps, springs, and riparian habitat in the area.</p>	<p>Wild Horse and Burro</p>



Conservation Footprint

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |
| ACEC Boundaries  |  |   |
|  1% Disturbance Cap                      |  |   |

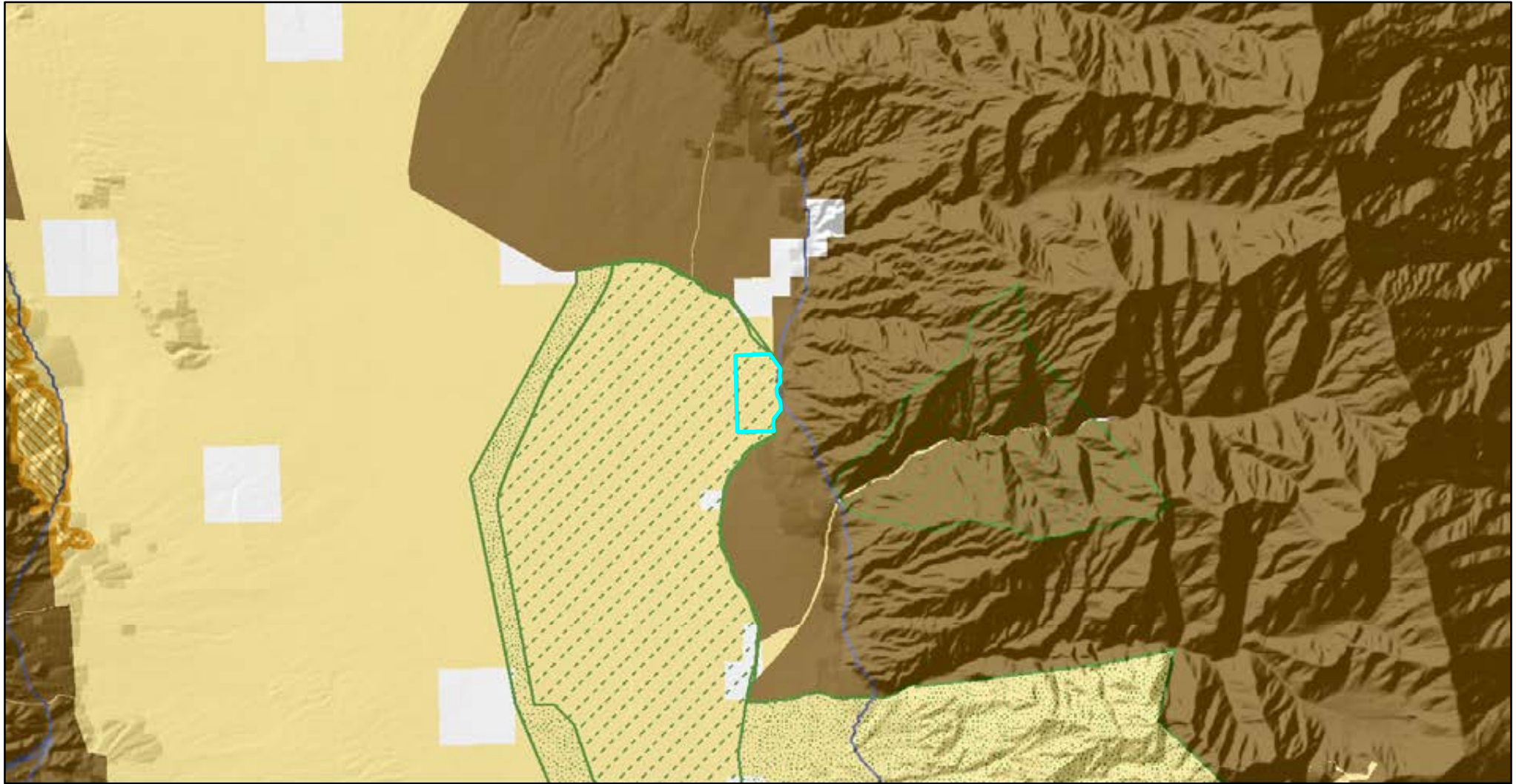


Warm Sulfur Springs

6/24/2015



Draft Map Boundaries Subject to Change

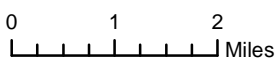




Conservation Footprint

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |

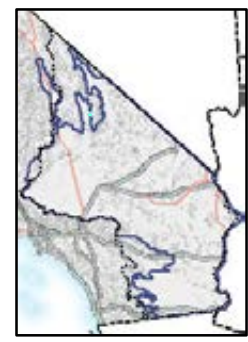
- ACEC Boundaries
-  1% Disturbance Cap
  -  Wildlife Allocation



Warm Sulfur Springs  
Alternative I

8/25/2015

Draft Map Boundaries Subject to Change





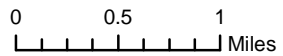


Conservation Footprint

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |

ACEC Boundaries

-  0.25% Disturbance Cap
-  1% Disturbance Cap

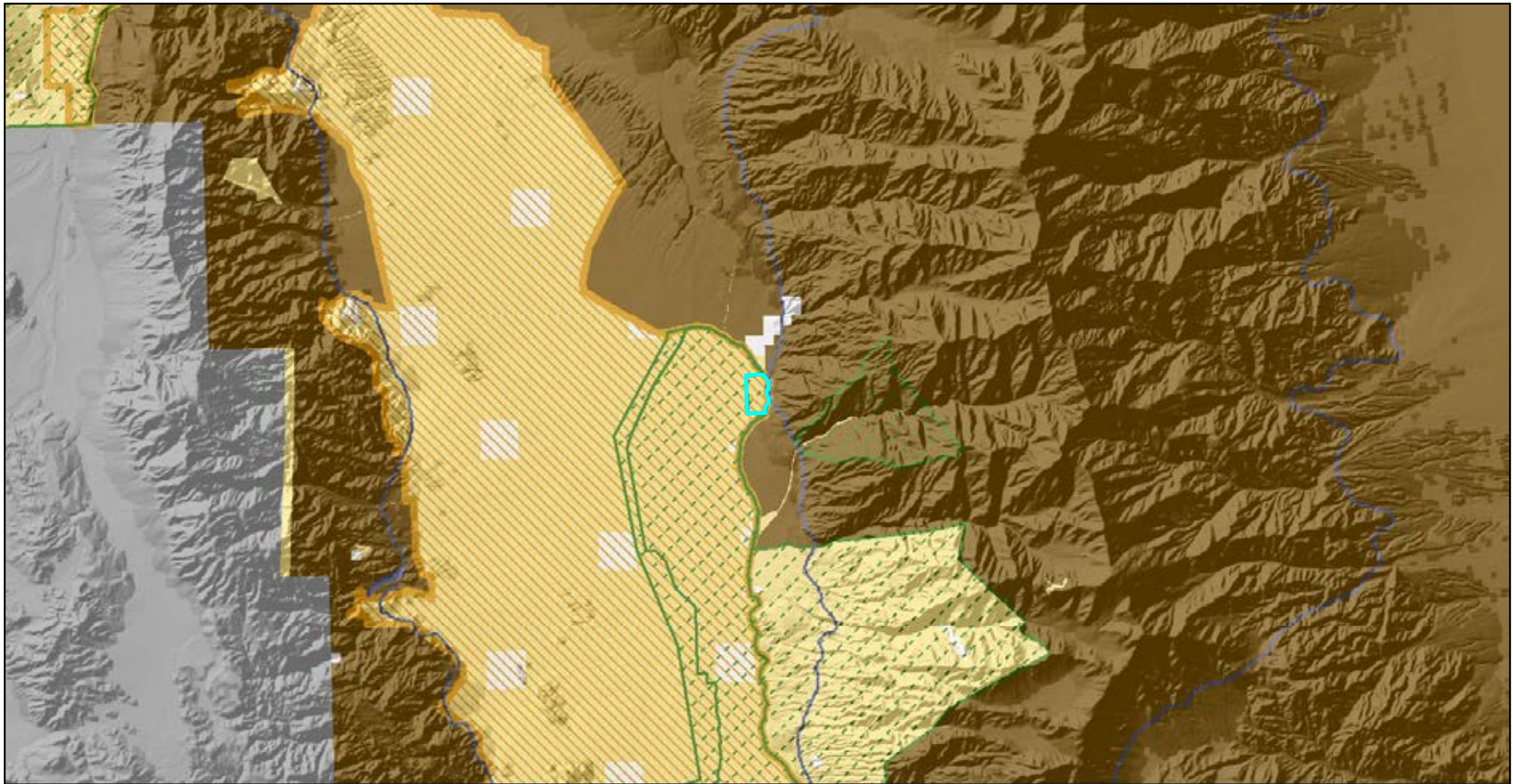


Warm Sulfur Springs  
Alternative 2








8/26/2015

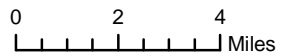
Draft Map Boundaries Subject to Change





Conservation Footprint

- |  |   |   |                |   |                           |
|--|---|---|----------------|---|---------------------------|
|  | Legislatively & Legally Protected Areas |  | DRECP Boundary | <b>Land Status</b>  |                           |
|  | National Conservation Lands             |  | CDCA Boundary  |  | Bureau of Land Management |
| ACEC Boundaries  |   |   |                |  | Department of Defense     |
|  | 1% Disturbance Cap                      |   |                |   |                           |

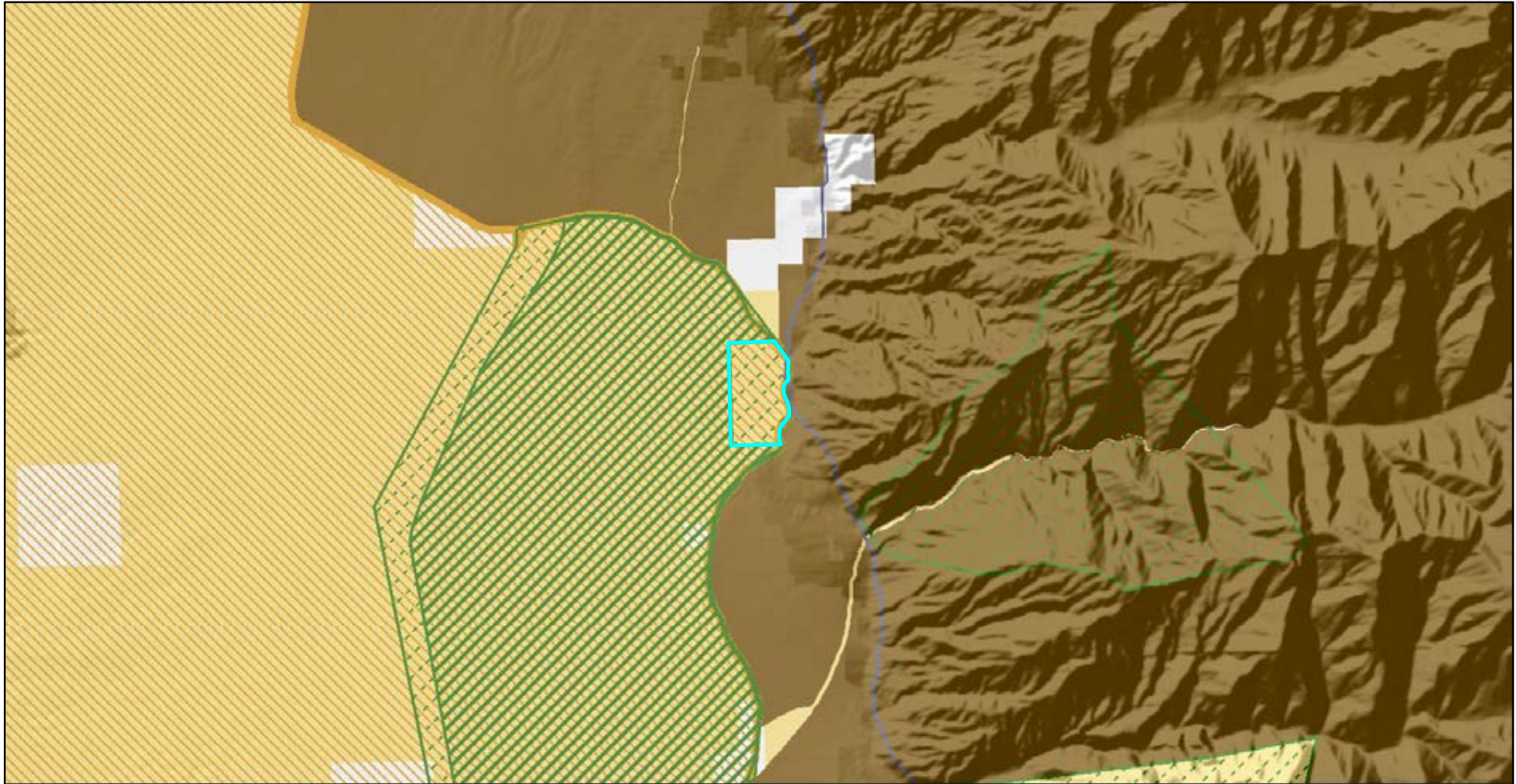


Warm Sulfur Springs  
Alternative 3

8/27/2015

Draft Map Boundaries Subject to Change





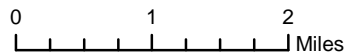


Conservation Footprint

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |

ACEC Boundaries

- |  |
|--|
|  0.25% Disturbance Cap |
|  1% Disturbance Cap    |

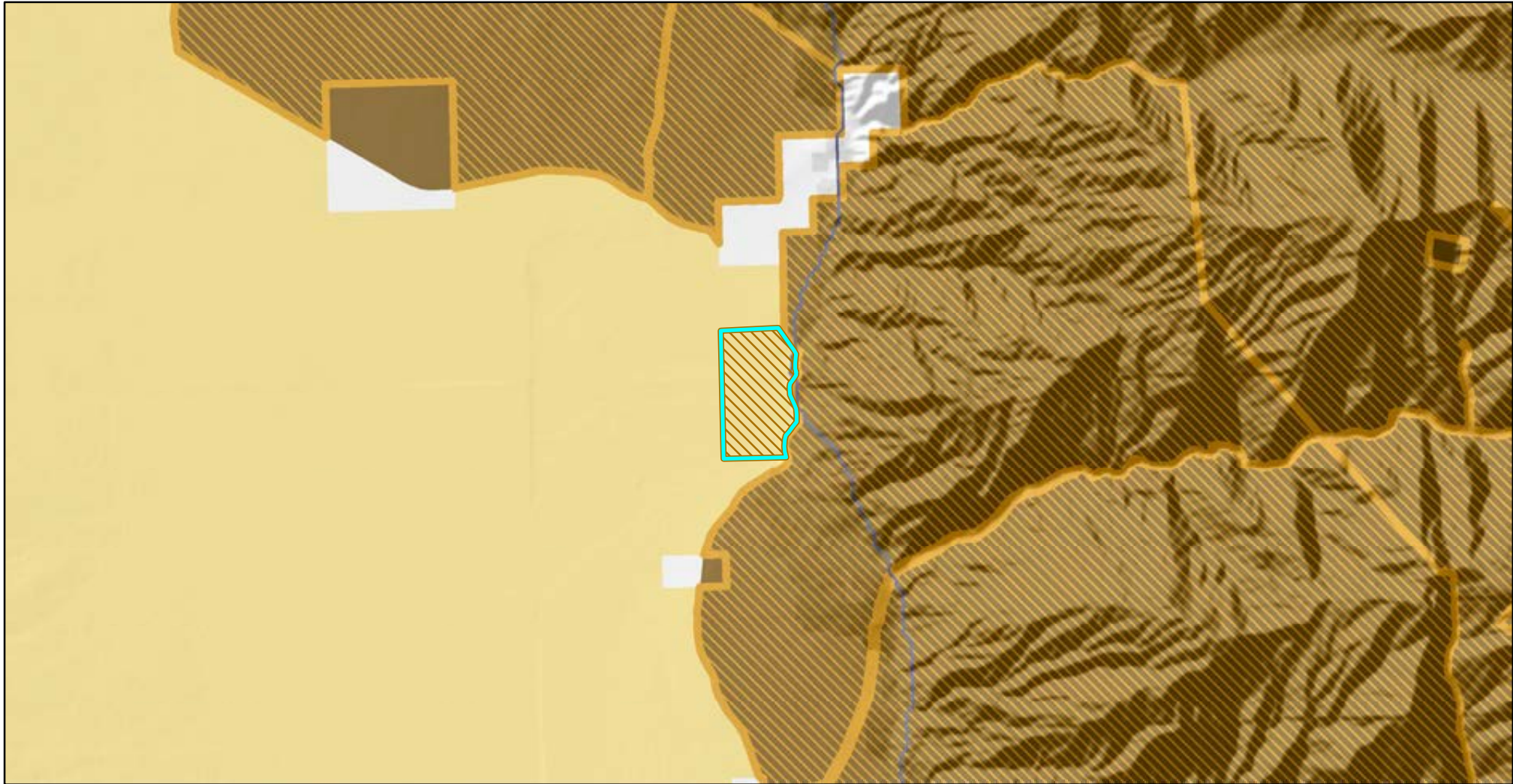


Warm Sulfur Springs  
Alternative 4







8/27/2015

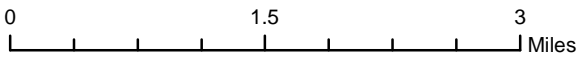
Draft Map Boundaries Subject to Change





**Conservation Footprint**

- |   |   |   |
|---|---|---|
|  Existing ACEC  |  National Conservation Lands             | <b>Land Status</b>  |
|  CDCA Boundary  |  Legislatively & Legally Protected Areas |  Bureau of Land Management |
|  DRECP Boundary |   |   |



**Warm Sulfur Springs**

**No Action**

9/15/2015

Draft Map Boundaries Subject to Change





## White Mountain City

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Located in northern Inyo County, 23 miles east of Bishop in Deep Springs Valley. The area is located near the mouth of Wyman Canyon, on the east side of the White Mountain Range.

**Nationally Significant Values:**

**Cultural:** This area, located in Deep Springs Valley, was designated to protect the prehistoric cultural resource values along Wyman Creek, and the ruins of the historic White Mountain City. The town of White Mountain City was occupied in the 1860s; its inhabitants processed silver ore from nearby mines. Features remaining from the historic occupation included rock foundations with adobe mortar, twenty structures, rock walls, ditches, corrals, arrastras, and two smelters. Inhabitants of White Mountain City were famously implicated in an election scandal during the 1870s gubernatorial race. Prehistoric cultural materials include petroglyphs and at least one aboriginal structure. Ethnographic data name the mouth of Wyman Creek as a Paiute seasonal habitation site. The townsite and archaeological properties are eligible for listing on the National Register of Historic Places.

**Ecological:** Could have seasonal population of the protected Sage Grouse.

**Scientific:** Archaeological research in Deep Springs Valley has been limited to areas around Deep Springs Lake and springs. Little is currently known about prehistoric and ethnohistoric use of Wyman Creek and the foothills of the White Mountain Range. The cultural and scientific values in this area have not been fully explored, and will likely identify nationally significant values.

**Special Designations/Management Plan/Date:** ACEC Designation, California Desert Conservation Area Plan 1980, White Mountain City Management Plan 09/30/1987 (CA-06-ACEC-01)

**Relevance and Importance Criteria:**

**Cultural:** Protect ruins of White Mountain City and archaeological evidence of prehistoric occupation along Wyman Creek. There is an aboriginal structure within White Mountain City that may be historic, one area is thought to have been a major Paiute seasonal habitation site.

**Grazing Allotment:** This unit overlaps with the Deep Springs Valley Allotment.

**Overarching Goals:** Protect the cultural resources and attendant values within the ACEC, particularly within the area of high resource sensitivity.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

**Designation and Acreage by Alternative:**

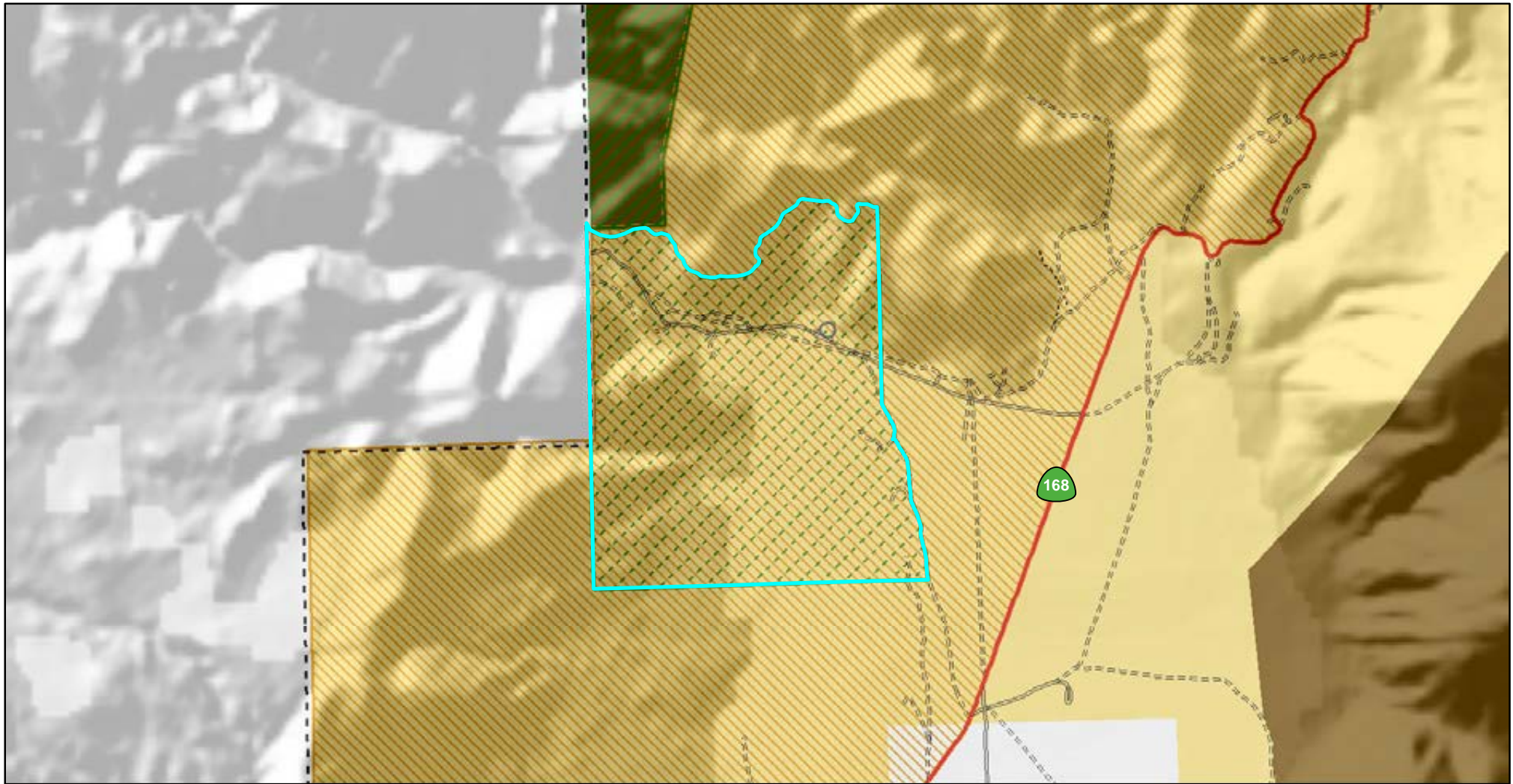
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	820	0	NA
Preferred Alternative	815	820	0	1%
1	0	820	0	1%
2	815	820	0	1%
3	0	820	0	1%
0	820	0	1%	0

\* Acreage values are for BLM managed lands

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Protect water resources from impacts by cattle and recreationalists</p> <p>Allowable Uses: Introduce alternate water source for cattle grazing</p> <p>Management Actions: Fence spring. Install pipeline and trough to provide water to cattle.</p>	Soil, water, air
<p>Objective: Maintain intact vegetation communities and prevent fragmentation.</p> <p>Management Action: Remove invasive plants, rehabilitate/revegetate disturbed area</p>	Vegetation (incl. special status species)
<p>Objective: Protect and enhance habitat to maintain stable or increasing population trends of special status species to ensure persistence:</p> <p>Management Action: Designate Desert Bighorn Sheep and Sage Grouse as a priority species for management and protection along with other sensitive species:</p> <p>Townsend’s big-eared bat (<i>Corynorhinus townsendii townsendii</i>) BLM Sensitive threatened Pallid bat (<i>Antrozous pallidus</i>) BLM Sensitive</p> <p>Protect any lekking and lambing areas from disturbance (seasonally)</p>	Fish and Wildlife (incl. special status species)
<p>Objective: Identify historic and prehistoric features for inventory.</p>	Cultural Resources

<p>Management Action: Coordinate with Deep Springs College and implement resource stewardship program.</p> <p>Objective: Protect historical and cultural resources.</p> <p>Allowable Uses: Valid and existing rights that do not impact cultural resource values.</p> <p>Management Action: Fence sensitive areas. Increase surveillance and patrols. Establish photo monitoring points with a monitoring schedule to document any excavation or vandalism to the area.</p>	
<p>Objective: Protect cultural and historic resources while providing visitor access to the area.</p> <p>Allowable Uses: Motorized, non-motorized, non-mechanized, etc. including casual as well as permitted use.</p> <p>Management Action: Close all routes leading off main road. Place road closure signs and boulder barricades</p> <p>Management Action: Limit vehicle use on branch routes from Wyman Creek road Close, restore and/or rehabilitates translinear disturbance routes Sign designated routes and boundaries of ACEC</p>	Trails and Travel Management
<p>Objective: Protect cultural resource values while maintaining recreational opportunities for the public.</p> <p>Allowable Uses: Recreation that does not impact cultural resource values</p> <p>Management Action: Close ACEC to camping Increase compliance with routes of travel and Travel Management Plans, as well as compliance with cultural resources laws, rules, and regulations.</p> <p>Objective: Educate public about importance of ACEC and designated routes</p> <p>Management Action: Sign ACEC boundaries, routes, and install interpretation signs.</p>	Recreation
<p>Objective: Consolidate through tenure adjustment. Management Action: Acquire inholdings, edge holdings and other interests from willing sellers.</p>	Land Tenure



<p>Objective: Protect resource values of the ACEC</p> <p>Allowable Uses: One ROW and power site reservation currently existing</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Currently no mining claims or mineral leases.</p> <p>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 of maintaining scenic values and minimizing impacts to cultural values.</p>	Locatable Minerals Mineral Materials Non-energy Leaseables
<p>Objective: Maintain valid and existing grazing rights within the Deep Springs Allotment, a perennial grazing lease.</p> <p>Allowable Uses: Existing allotment is authorized, but do not authorize new allotments or expansion of existing allotment (either in size or increase number of AUMs), if willing relinquishment, would be made unavailable</p> <p>Management Actions: Fence a spring in northwest corner of ACEC and provide alternate pipeline and trough within ACEC Adjust livestock use where monitoring data indicate changes are necessary to meet resource objectives.</p>	Livestock grazing

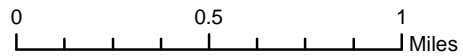


**Conservation Footprint**

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | <b>Land Status</b>  |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |

**ACEC Boundaries**

-  0.25% Disturbance Cap
-  1% Disturbance Cap

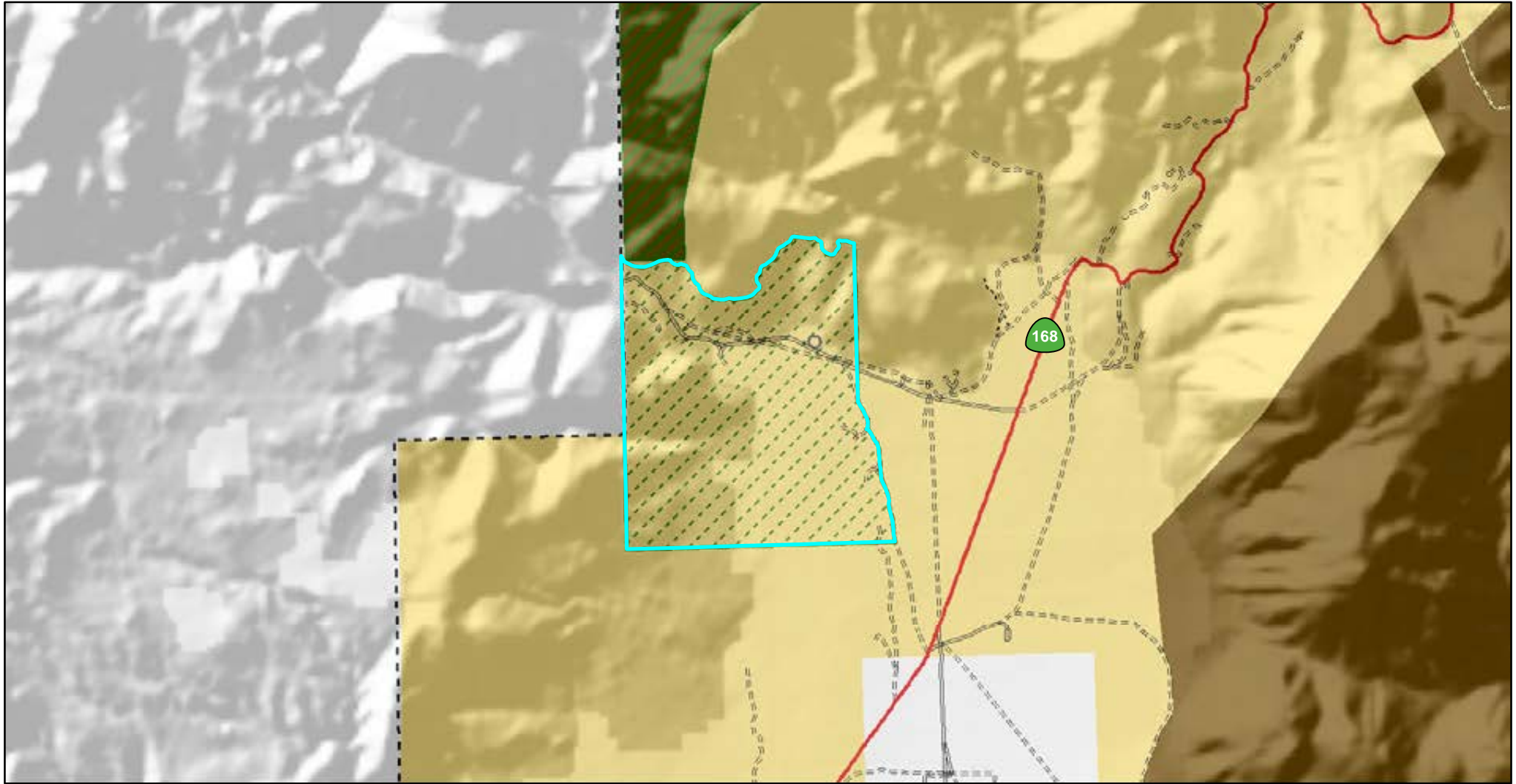


**White Mountain City**







6/24/2015

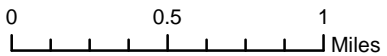
Draft Map Boundaries Subject to Change





Conservation Footprint

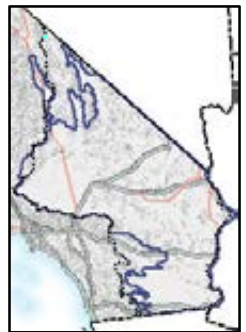
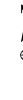
- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
| ACEC Boundaries  |  CDCA Boundary  |  Bureau of Land Management |
|  0.25% Disturbance Cap                   |  |   |
|  1% Disturbance Cap                      |  |   |

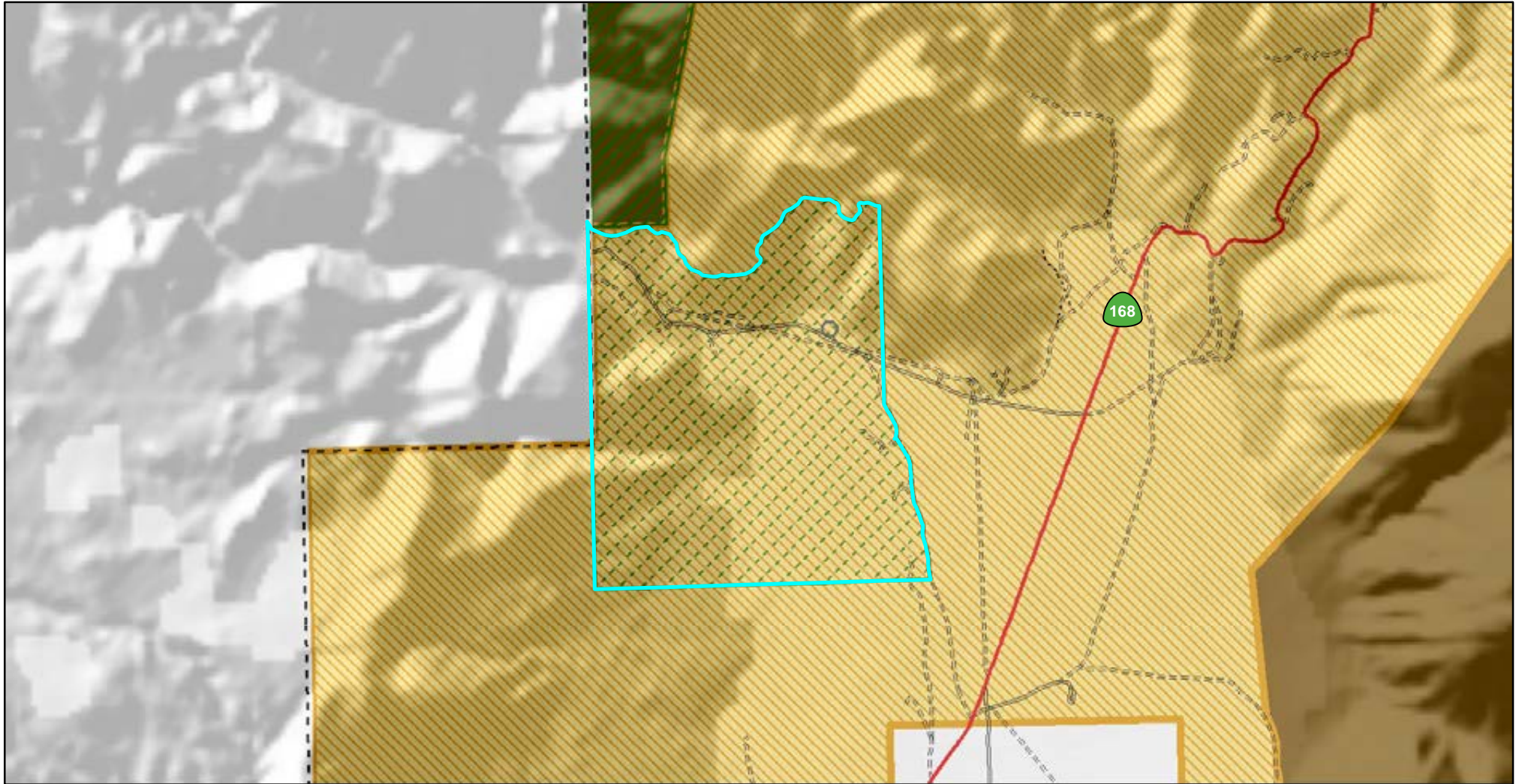


White Mountain City  
Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change





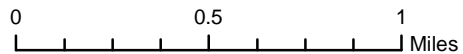


Conservation Footprint

- |   |   |   |                |   |                           |
|---|---|---|----------------|---|---------------------------|
|  | Legislatively & Legally Protected Areas |  | DRECP Boundary | Land Status   |                           |
|  | National Conservation Lands             |  | CDCA Boundary  |  | Bureau of Land Management |

ACEC Boundaries

-  0.25% Disturbance Cap
-  1% Disturbance Cap

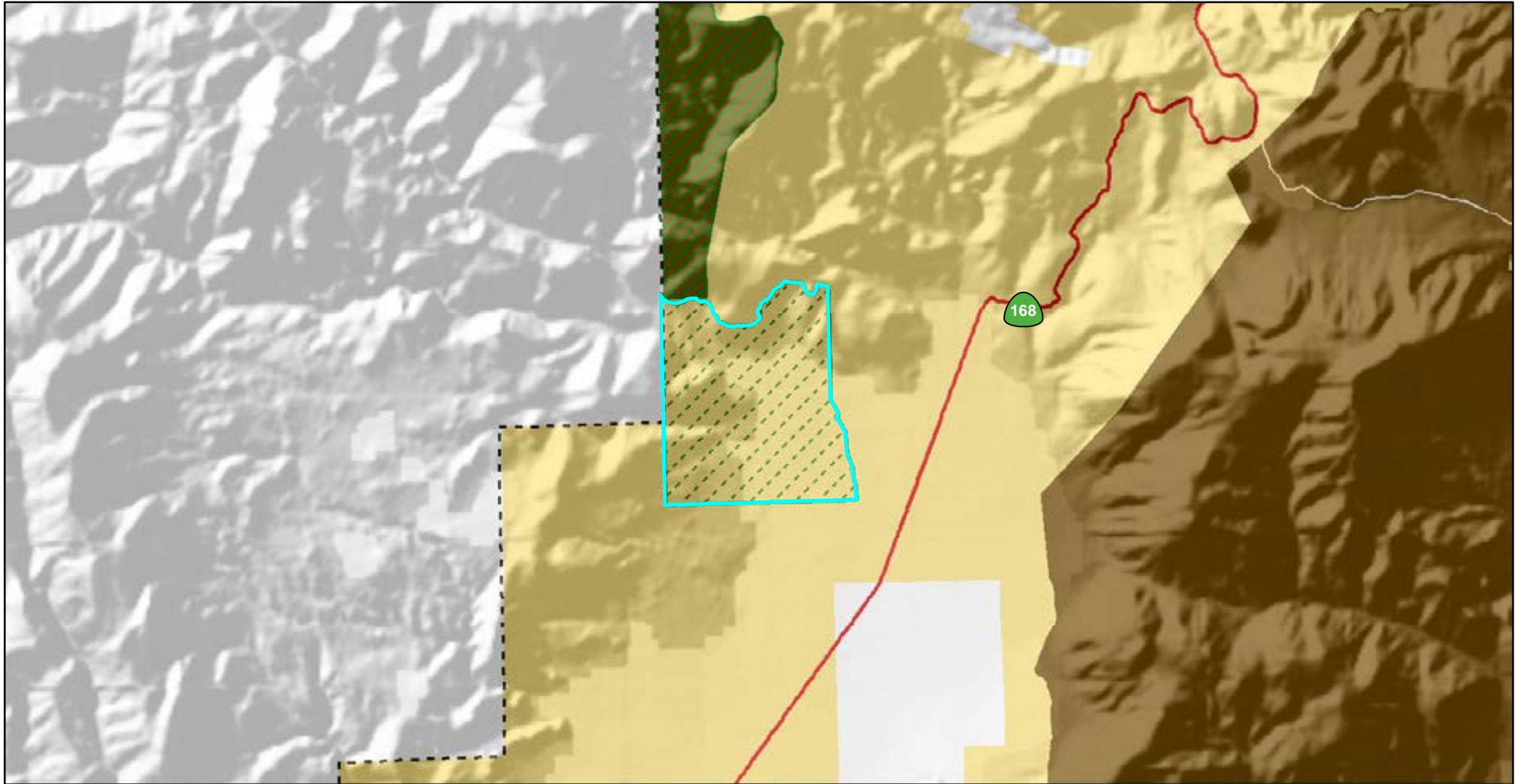


White Mountain City  
Alternative 2

8/26/2015

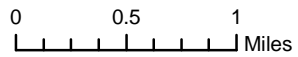
Draft Map Boundaries Subject to Change





Conservation Footprint

- |   |                |                           |
|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | Land Status               |
| ACEC Boundaries                         | CDCA Boundary  | Bureau of Land Management |
| 0.25% Disturbance Cap                   |                |                           |
| 1% Disturbance Cap                      |                |                           |



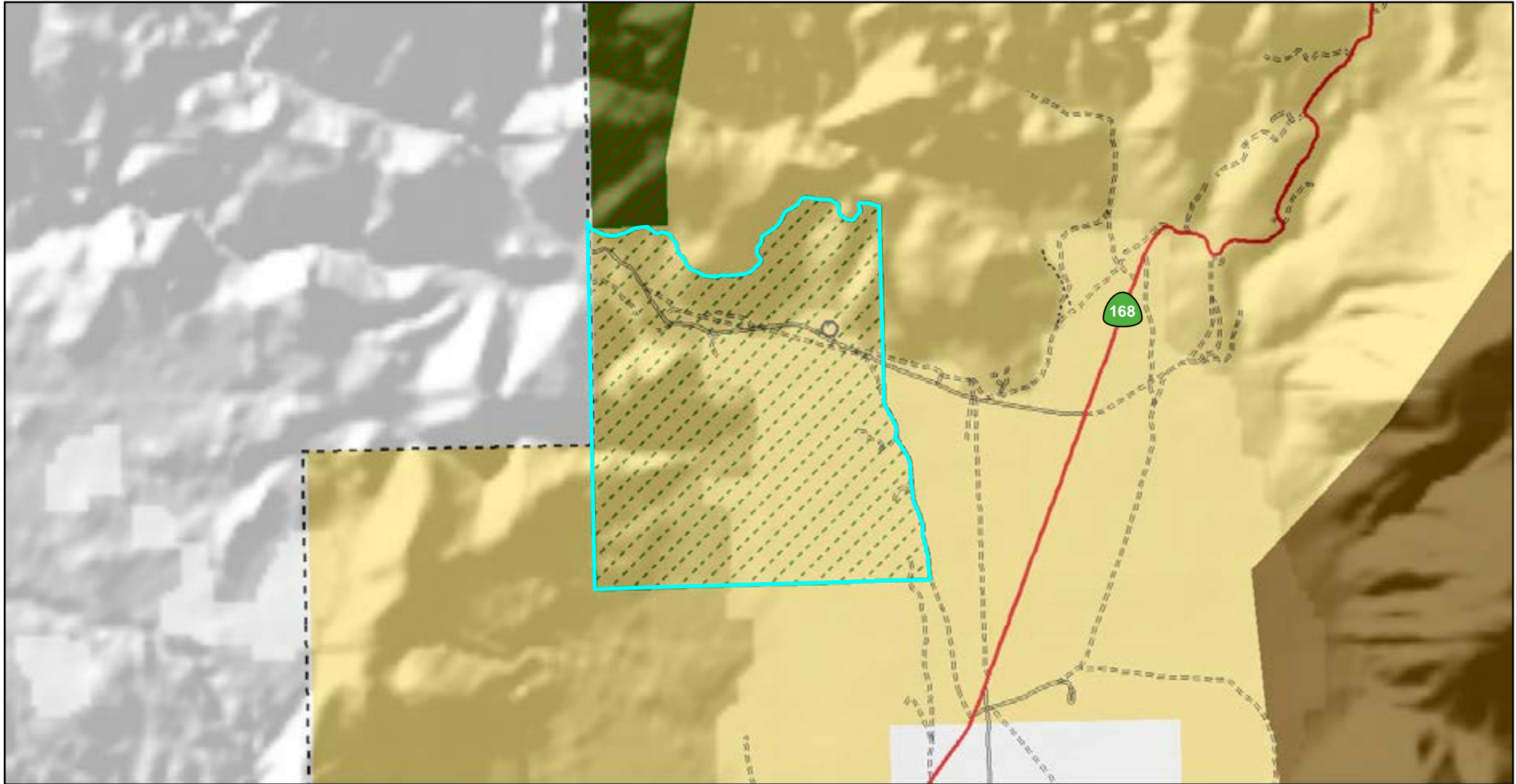
White Mountain City  
Alternative 3

8/27/2015







Draft Map Boundaries Subject to Change

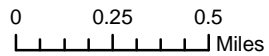






Conservation Footprint

- |   |  |   |
|---|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
| <b>ACEC Boundaries</b>  |  CDCA Boundary  |  Bureau of Land Management |
|  0.25% Disturbance Cap                   |  |   |
|  1% Disturbance Cap                      |  |   |

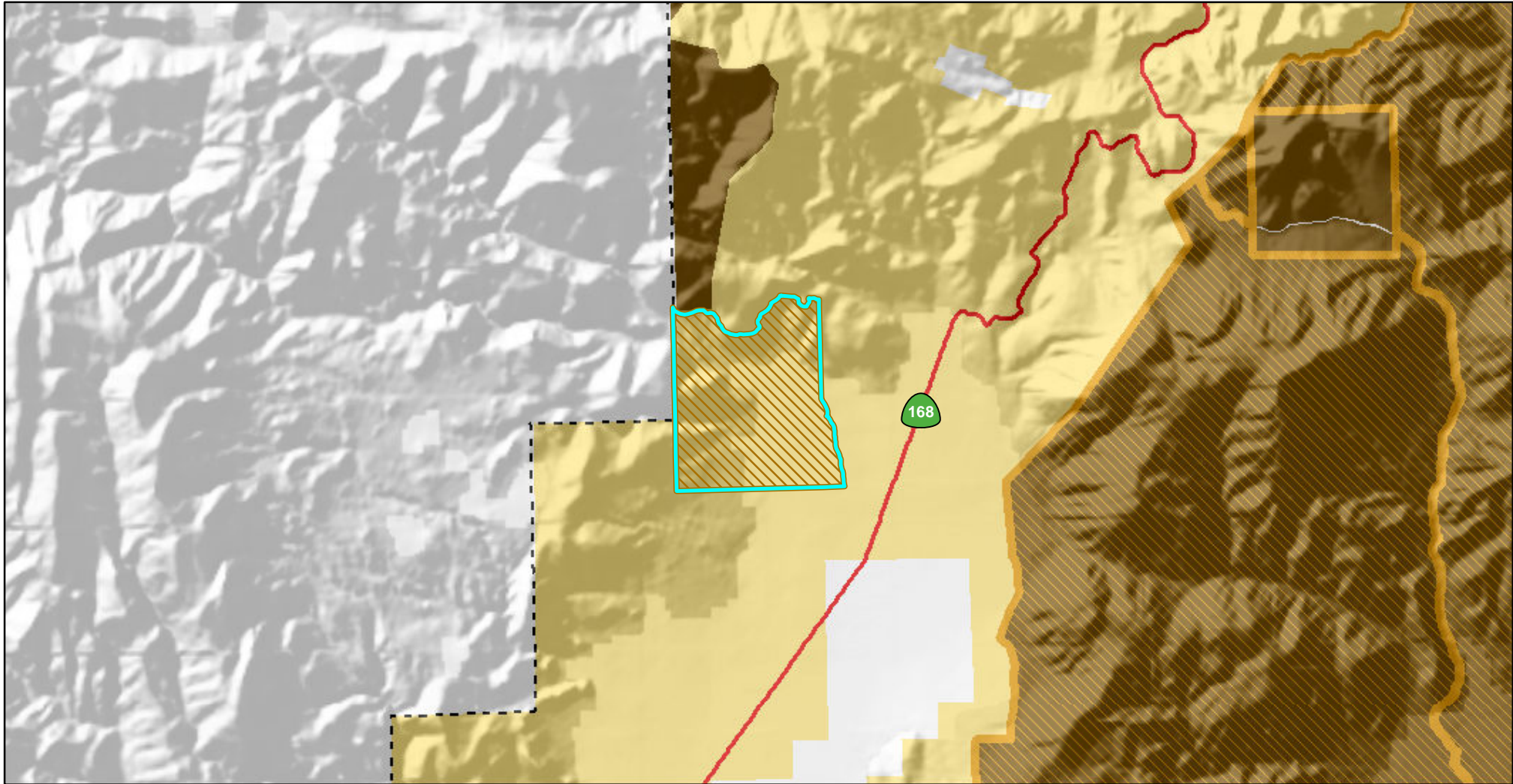


White Mountain City  
Alternative 4







8/27/2015

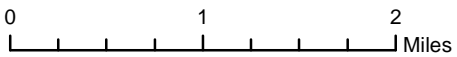
Draft Map Boundaries Subject to Change





**Conservation Footprint**

- |   |   |   |
|---|---|---|
|  Existing ACEC  |  National Conservation Lands             | <b>Land Status</b>  |
|  CDCA Boundary  |  Legislatively & Legally Protected Areas |  Bureau of Land Management |
|  DRECP Boundary |   |   |



**White Mountain City**

**No Action**

9/15/2015

Draft Map Boundaries Subject to Change



## White Mountain Wilderness Study Area

**National Conservation Lands Ecoregion:** Basin and Range

**Description/Location:** Located in Inyo and Mono County. The nearest communities are Big Pine, approximately 25 miles to the southwest, and Bishop, 30 miles to the west. The WSA includes 8,766 acres of public land under the jurisdiction of the BLM, nine acres of private land and no State land.

The north boundary of the WSA is a road along Indian Garden Creek which starts at the Inyo National Forest border and continues east for four miles until it meets Highway 266. The boundary trends southeast along Highway 255 for two miles. Within this two mile boundary, there is a cherry stemmed road which enters the WSA for three-quarters of a mile and terminates at an active water windmill. The eastern boundary then veers west for one and one-half miles and then south for another one and a half miles. Within this portion of the boundary is a cherry stemmed bladed road which enters the WSA for one mile and terminates at the Buck Mine. The eastern boundary meets the Cottonwood Creek Road and follows the road west for three and a half miles until it meets the Inyo National Forest border. The boundary follows the Inyo National Forest border north along section lines for three and one half miles until it meets Indian Garden Creek Road.

**Nationally Significant Values:** Not proposed for NLCS, WSA designations are automatically included.

**Relevance and Importance Criteria:**

**Biological:** The area provides regionally important wildlife and plant habitat. Major wildlife includes mule deer and chukar partridge which is hunted during specific times of the year. Riparian areas along the north in Cottonwood Creek and Indian Springs Garden Creek provide important habitat for wildlife.

**Wild and Scenic River:** This unit includes a portion of the Cottonwood Wild and Scenic River within its boundary.

**Grazing Allotment:** The WSA includes the Deep Springs Valley grazing allotment. The WSA included 50% of the historic Oasis Ranch Grazing Allotment, which was a grandfathered activity. The WSA is also included in the Piper Mountain Herd Management Area for the management of wild horses and burros.

**Minerals:** Mineral values within the White Mountain Wilderness Study Area indicate that the area has potential for mineral development. Eighty to ninety percent of the WSA has moderate potential for uranium and thorium. The east central portion of the study area in the vicinity of the Buck Mine has moderate potential for gold. A low potential for copper, molybdenum and tungsten exists in the southern portion of the WSA. A moderate potential for common mineral materials exist within the southeast portion of the area.

**Native American Use:** Two known areas of cultural resource sensitivity are located within the White Mountain Wilderness Study Area. The area is continually used by the Bishop - Big Pine Indians as a pinyon nut collection area.

**Overarching Goals:** Protect the cultural resources and attendant values within the WSA.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best

supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

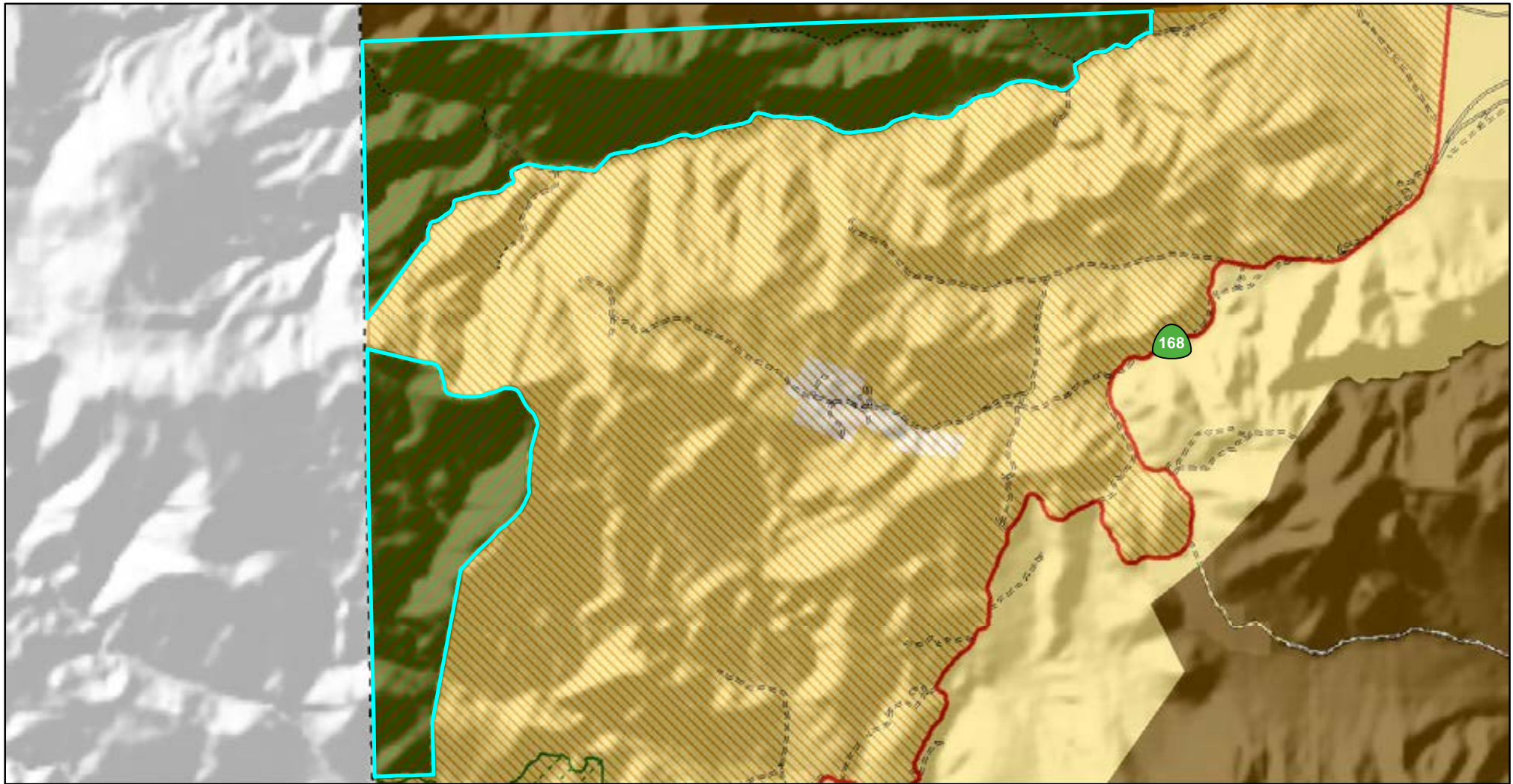
**Designation and Acreage by Alternative:**

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	8,766	0	0,25%
1	0	8,766	0	0,25%
2	0	8,766	0	0,25%
3	0	8,766	0	0,25%
4	0	8,766	0	0.25%

\* Acreage values are for BLM managed lands

Objectives (desired future conditions)/ Allowable Uses/Management Actions	Resource
Objective: Protect water resources from impacts by cattle, mining activities and recreationalists  Allowable Uses: Introduce alternate water source for cattle grazing, if needed  Management Actions: Fence spring, if needed. Install pipeline and trough to provide water to cattle, if needed.	Soil, water, air
Objective: Maintain intact vegetation communities and prevent fragmentation. Management Action: Remove invasive plants, rehabilitate/revegetate disturbed area	Vegetation (incl. special status species)
Objective: Protect historical and cultural resources. Make resources available for Native American use and collection.	Cultural Resources
Objective: Maintain recreational opportunities for the public.  Management Action: Increase compliance with routes of travel and Travel Management Plans.  Objective: Educate public about importance of utilizing designated routes  Management Action: Sign WSA boundaries, routes, and install interpretation signs, as needed.	Recreation

<p>Objective: Protect resource values of the WSA</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the WSA and its management goals.</p>	Rights of Way
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and WSA unit values and criteria.</p> <p>WSAs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, WSAs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Manage existing mining claims / mineral leases.</p> <p>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 WSA and its management goals.</p>	Locatable Minerals Mineral Materials Non-energy Leaseables
<p>Objective: Maintain valid and existing grazing rights.</p> <p>Allowable Uses: Existing allotment is authorized, but do not authorize new allotments or expansion of existing allotment (either in size or increase number of AUMs), if willing relinquishment, would be made unavailable</p>	Livestock grazing

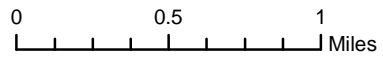


Conservation Footprint

- |   |                |                           |
|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | Land Status               |
| National Conservation Lands             | CDCA Boundary  | Bureau of Land Management |

ACEC Boundaries

- 0.25% Disturbance Cap
- 1% Disturbance Cap

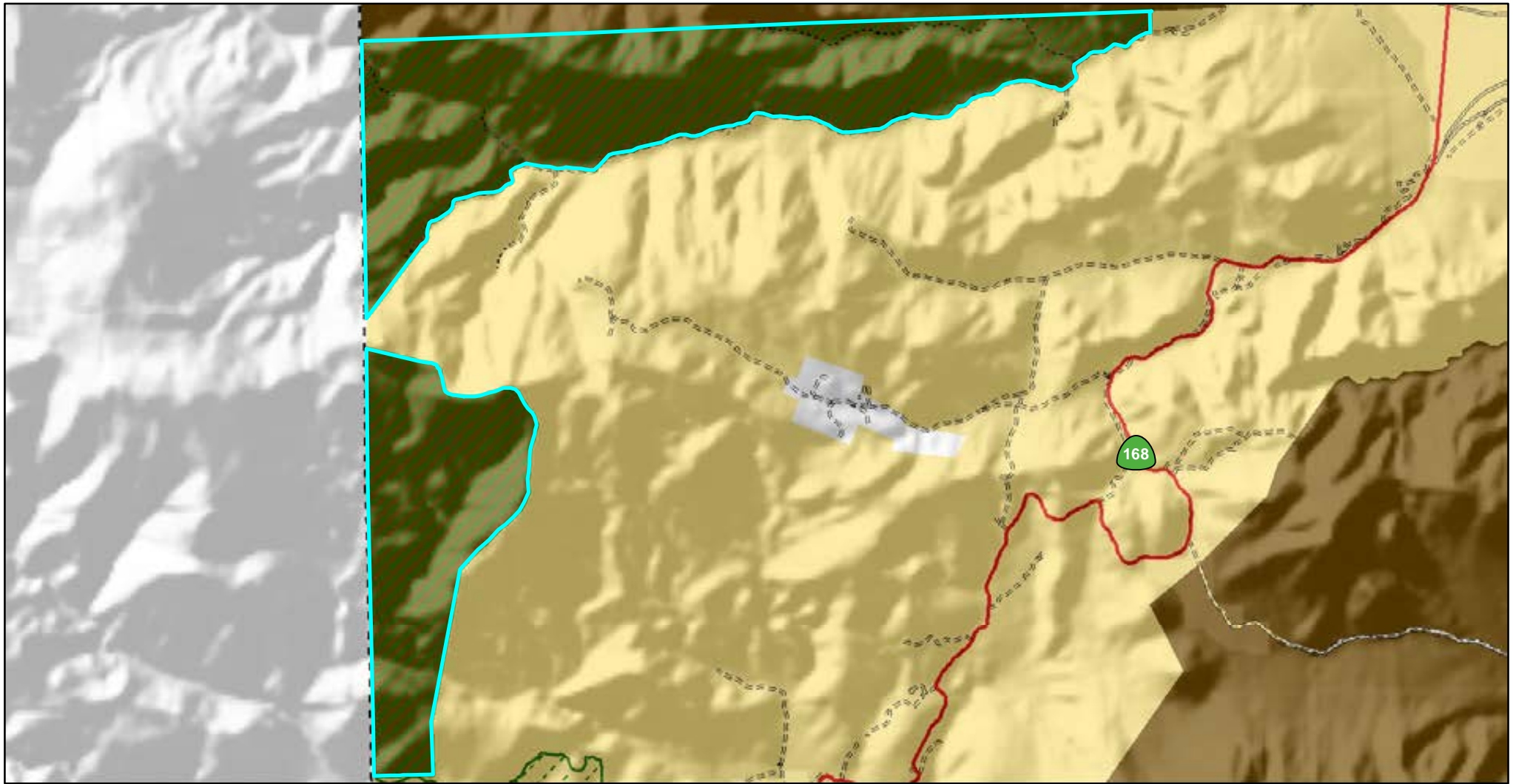


White Mountains WSA








6/24/2015

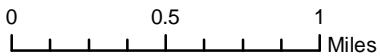
Draft Map Boundaries Subject to Change





Conservation Footprint

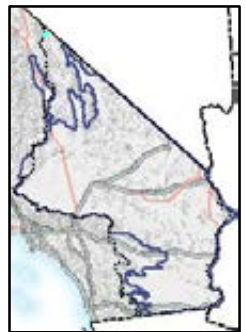
- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  ACEC Boundaries                         |  CDCA Boundary  |  Bureau of Land Management |
|  0.25% Disturbance Cap                   |  |   |
|  1% Disturbance Cap                      |  |   |

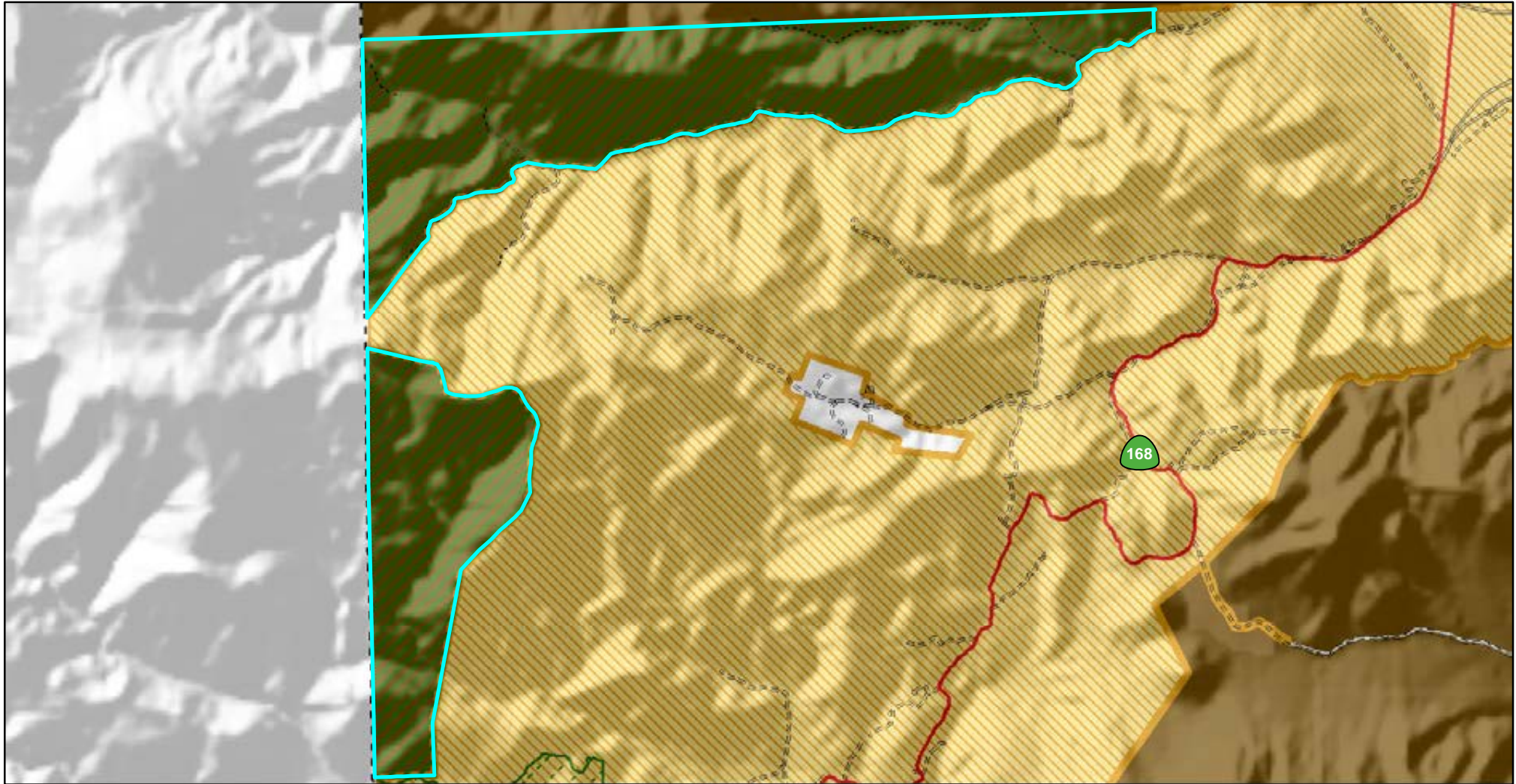


White Mountains WSA  
Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change





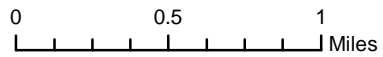


Conservation Footprint

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  National Conservation Lands             |  CDCA Boundary  |  Bureau of Land Management |

ACEC Boundaries

-  0.25% Disturbance Cap
-  1% Disturbance Cap



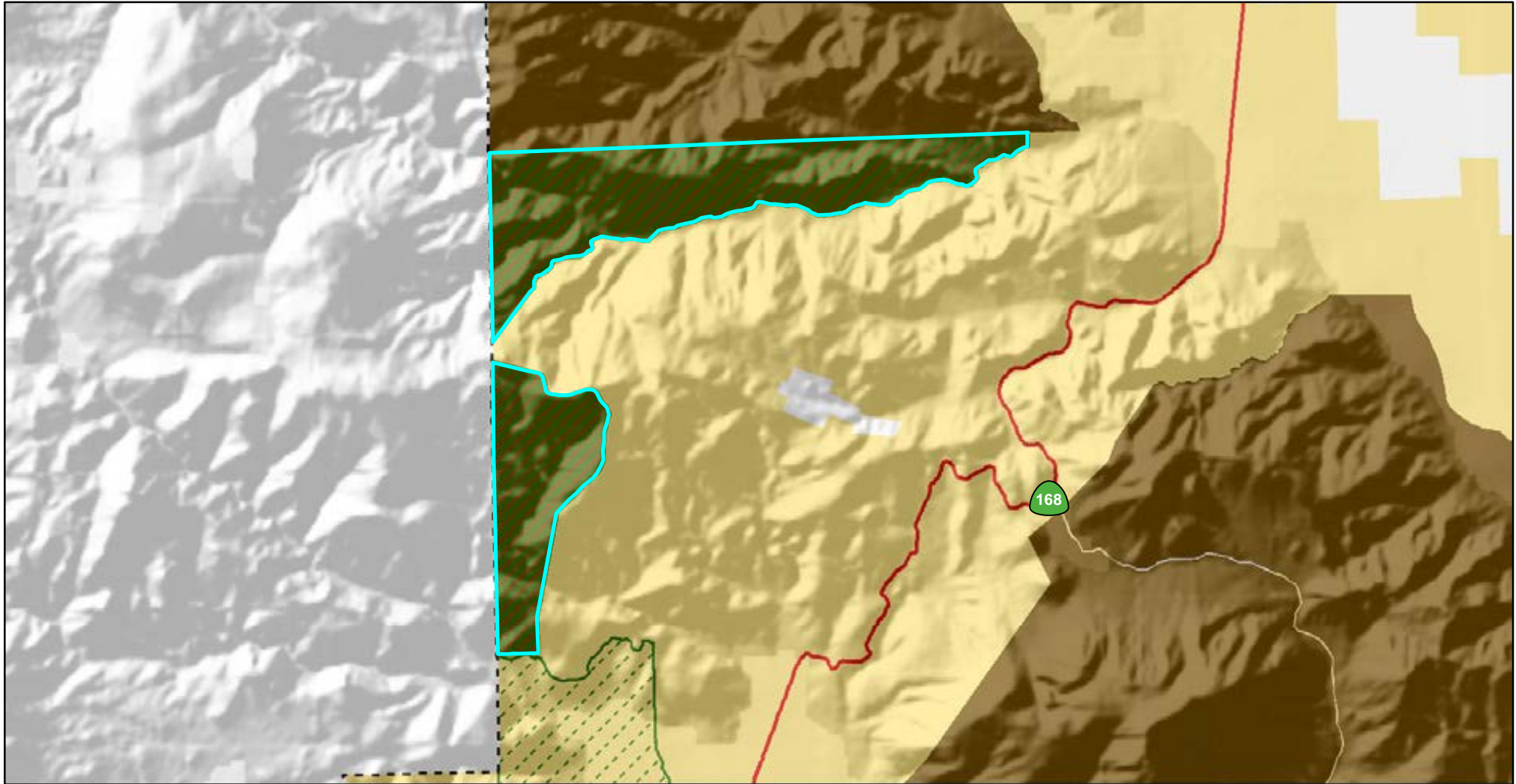
White Mountains WSA  
Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change

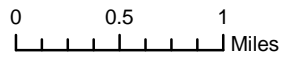






Conservation Footprint

- |   |                |                           |
|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | <b>Land Status</b>        |
| <b>ACEC Boundaries</b>                  | CDCA Boundary  | Bureau of Land Management |
| 0.25% Disturbance Cap                   |                |                           |
| 1% Disturbance Cap                      |                |                           |

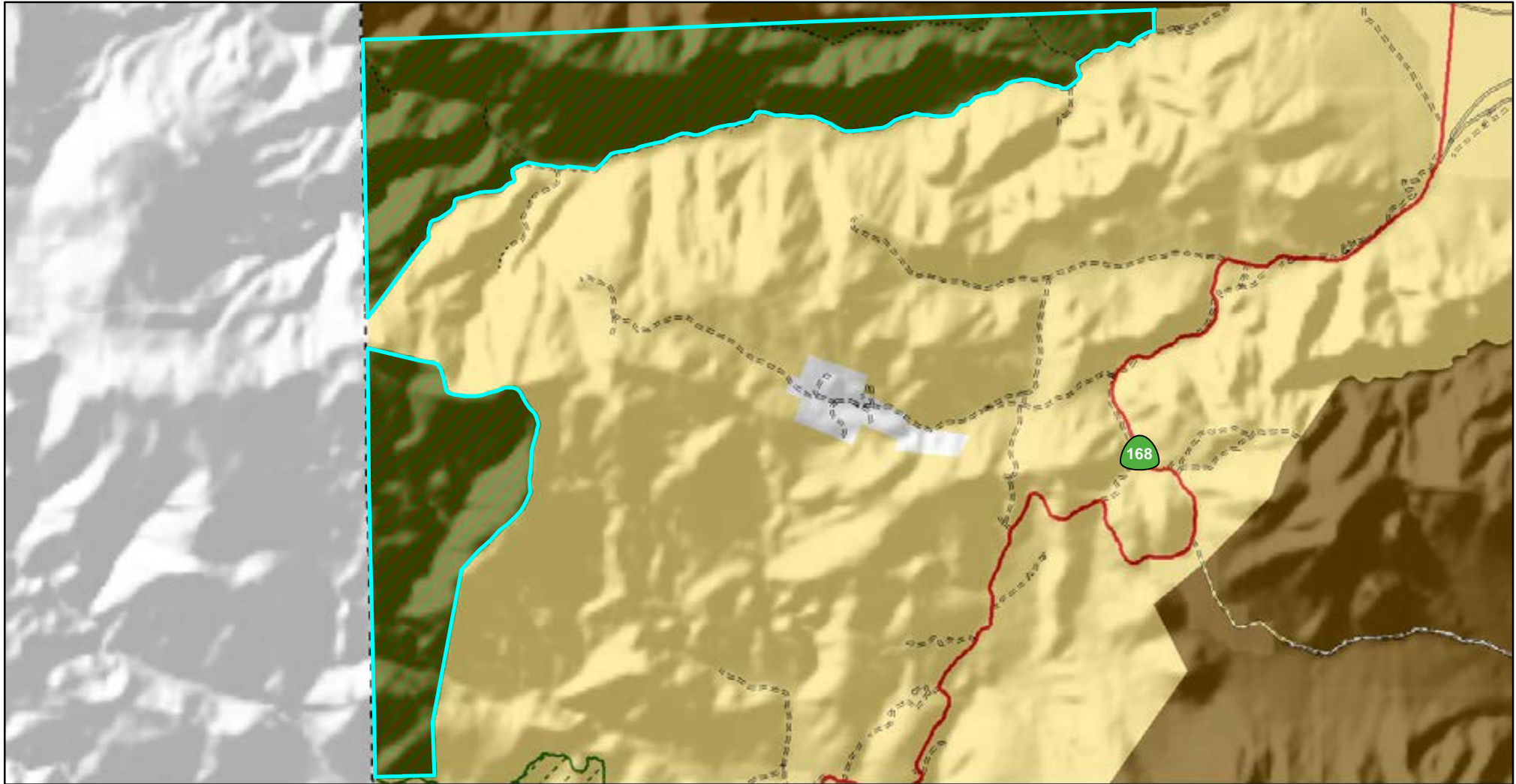


White Mountains WSA  
Alternative 3







8/27/2015

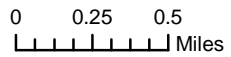
Draft Map Boundaries Subject to Change





Conservation Footprint

- |  |  |   |
|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status   |
|  0.25% Disturbance Cap                   |  CDCA Boundary  |  Bureau of Land Management |
|  1% Disturbance Cap                      |  |   |



White Mountains WSA  
Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change

