

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

DRECP Ecoregions-Kingston-Amargosa

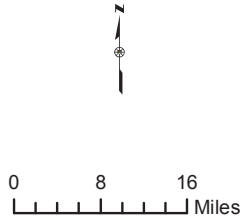


ACECs



9/14/2015

Draft Map Boundaries Subject to Change



Kingston-Amargosa Subregion ACEC Units

Unit Name	Map #	See Here for Special Unit Management Plan
Amargosa North	3	Page 391
Amargosa South	4	Page 404
Clark Mountain	31	Page 419
Halloran Wash	52	Page 429
Ivanpah	57	Page 440
Kingston Range	61	Page 452
Kingston Range Wilderness Study Area	62	Page 461
Mesquite Lake	71	Page 467
Mountain Pass Dinosaur Trackway	77	Page 476
Shadow Valley	111	Page 485

Amargosa North

National Conservation Lands Ecoregion: Kingston-Amargosa

Description/Location: Located between Funeral Mountain Wilderness, Resting Spring Range Wilderness, Death Valley National Park, and Nevada Stateline. Encompasses all of Amargosa Desert. This new designation incorporates and subsumes part of the existing Amargosa River unit.

Nationally Significant Values:

Ecological: The Amargosa River North unit expansion is marked by permanent flowing water and wetlands in one of the driest desert areas on the continent, and includes a broad range of habitat types, serving as a magnet for a diversity of plant and wildlife species, including many special status species. Carson Slough is habitat for the federally endangered Amargosa niterwort (*Nitrophila mohavensis*) and the federally threatened Ash Meadows gumplant (*Grindelia fraxino-pratensis*). The area also provides habitat for several narrowly endemic species, some of which may not have been described yet by scientists. Public lands within this unit provide critical habitat connections between a number of designated BLM wilderness areas.

Cultural: This unit includes some of the most intact viewsheads in the California Desert which protects the historical integrity of tribally significant landscapes, and cultural landscapes associated with the Old Spanish National Historic Trail.

Scientific: A long-term population study of the Amargosa Niterwort has been taking place in this unit along with extensive long-term hydrological studies.

Special Designations/Management Plan/Date: Amargosa River Unit Plan in preparation, expansion is newly proposed.

Relevance and Importance Criteria: Relevant biological resources including wildlife and plant assemblages. The area is critical for bighorn sheep and bighorn sheep connectivity, has a unique plant assemblage of mesquite bosque, and the area has regionally significant populations of several sensitive plants and important habitat wildlife, wildlife connectivity, and some rare insects. The area is important for desert tortoise and maintaining connection across tortoise populations. Ground water under this region is thought to contribute to the Amargosa Wild and Scenic River (AWSR).The unit contains designated critical habitat for the Amargosa niterwort, gum plant, and encompasses many populations of BLM sensitive plants.

Amargosa River Unit

Relevant riparian, wildlife and cultural values. Permanent flowing water and associated wetlands in the Amargosa River Unit provide food, cover and nesting space to a great variety of birds. Many fish, mammals, insects and mollusks present in the natural area have very limited distribution, are endemic, or have low population number. This water has also attracted humans for the last several thousand years, and the canyon and surrounding areas offer opportunities for non-intensive recreation.

Lands with Wilderness Characteristics: This unit contains 18507 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 ground water and biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public uses.

Amargosa River Unit

Protect the area’s sensitive and rare wildlife, riparian and cultural resources, while still providing for non-intensive recreation. To provide specific administrative guidance for a variety of natural resources present along a small portion of the Amargosa River drainage.

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	7,100	0	NA
Preferred Alternative	115,970	115,894	0	1%
1	30,800	117,300	0	1%
2	117,300	117,300	0	1%
3	117,000	117,300	0	1%
4	117,100	117,300	0	1%

* Acreage values are for BLM managed lands

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Retain existing flow regime and volume</p> <p>Management Action 1: Identify, assert, and actively protect the AWSR and Kingston Range Wilderness Federal Reserve Water Rights</p> <p>Management Action 2: Ensure groundwater withdrawals do not harm AWSA, Amargosa vole critical habitat further downstream, Amargosa niterwort critical habitat, of downstream Southwest willow flycatcher critical habitat.</p> <p>Objective: Conserve and Protect Water Resources Essential to Maintenance of Other Valued Resources and Habitats</p> <p>Management Action1: Prohibit new non-administrative, discretionary stream diversions and groundwater-disturbing activities on public lands within the unit</p> <p>Management Action 2: File for appropriated water rights to conserve existing water sources that support the unit's resources and values</p>	Soil, water, air

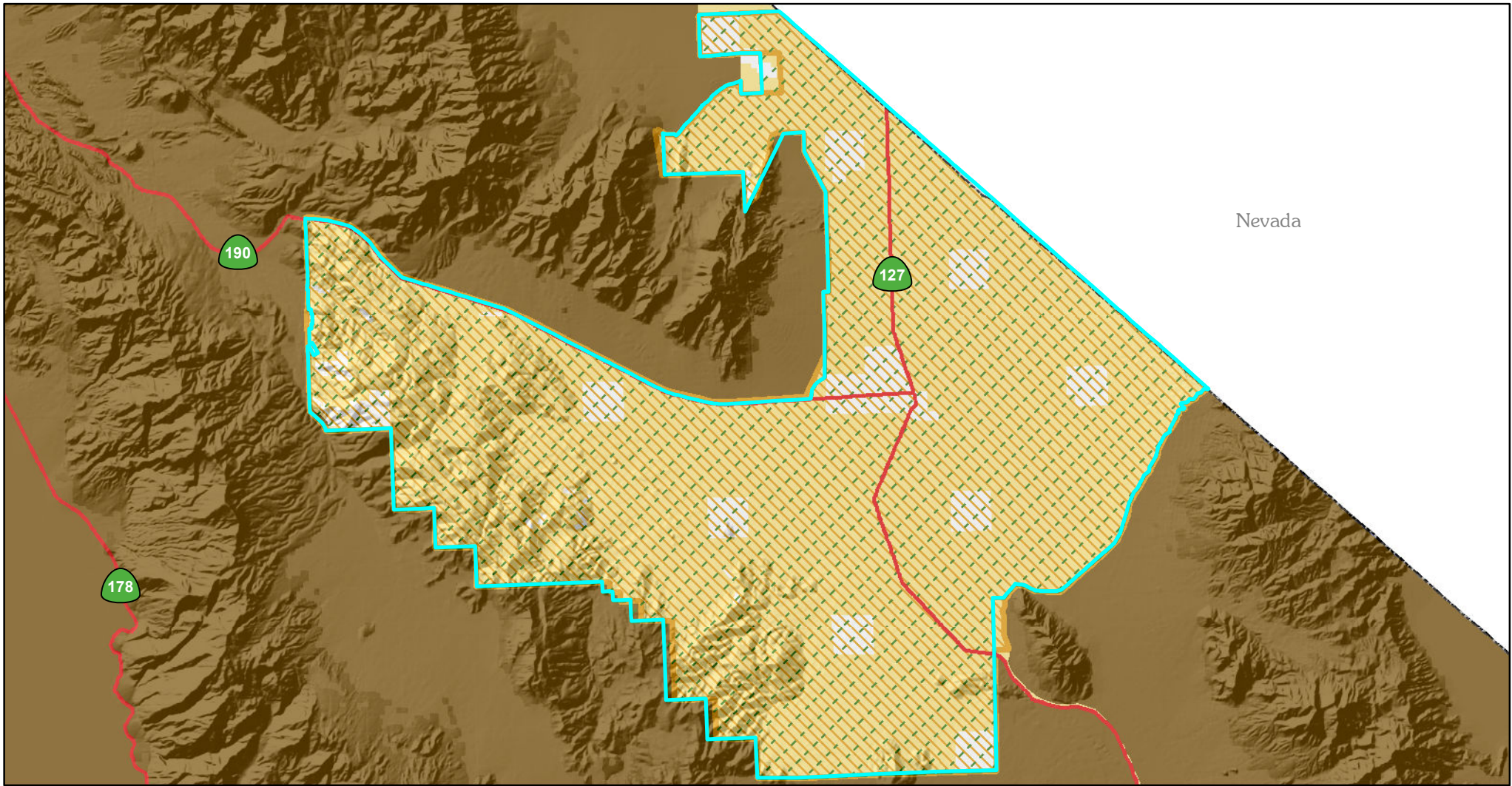
<p>Management Action 3: Monitor surface water quality at pre-selected locations to gauge condition and trend</p> <p>Management Action 4: Identify, map, model, and monitor groundwater sources and springs within the unit</p> <p>Management Action 5: Monitor water uses from new BLM land use authorizations within the California portion of the Amargosa watershed</p> <p>Objective: Conserve soils and soil properties in the unit</p> <p>Management Action: Conduct an Order III soil survey for the unit that will include a series or association level vegetation map for the unit.</p> <p>Amargosa Canyon Unit</p> <p>Objective: Manage Amargosa River drainage to ensure stability of natural resources dependent upon continued water flow</p> <p>Management Action: Develop projects to prevent degradation of hydrologic resources</p>	
<p>Objective: Maintain or Improve condition of vegetation</p> <p>Management Action 1: Remove invasive plants, rehabilitate/revegetated disturbed areas</p> <p>Management Action 2: Protect populations of special status plants</p> <p>Amargosa niterwort (<i>Nitrophila mohavensis</i>)</p> <p>Gumplant (<i>Grindelia fraxino-pratensis</i>)</p> <p>Tecopa bird's-beak (<i>Chloropyron tecopense</i>)</p> <p>robust Hoffmann's buckwheat (<i>Eriogonum hoffmannii</i> var. <i>robustus</i>)</p> <p>Death Valley sandpaper-plant (<i>Petalonyx thurberi</i> ssp. <i>gilmanii</i>)</p> <p>Management Action 3: Protect Unusual Plant Assemblages: Mesque bosque</p> <p>Salt and brackish water marshes</p> <p>Objective: Monitor the condition of vegetation to inform adaptive management of vegetation in the unit</p> <p>Management Action 1: Conduct multi-year surveys to establish a vegetation baseline in the unit, including populations of listed and sensitive plant species</p> <p>Management Action 2: Monitor changes in vegetation over time, once a baseline is established</p> <p>Management Action 3: Monitor suitable listed and sensitive plant habitat</p> <p>Management Action 4: Track population trends</p> <p>Management Action 5: Identify additional recovery needs</p> <p>Management Action 6: Identify thresholds for substantial change that would trigger the reevaluation of conservation strategies</p> <p>Objective: Reduce non-native riparian plants along the Amargosa River,</p>	<p>Vegetation – Including special status species</p>

<p>especially tamarisk Management Action 1: Implement the Barstow Field Office's ten-year weed control plan for tamarisk (<i>Tamarix</i> spp.) in upstream portions of the unit first and including public, state, and private lands, as feasible Management Action 2: Implement, as needed, a controlled burn program to enhance weed control projects and/or to eliminate refuse from mechanical removal Management Action 3: Restore riparian zones as needed by reintroducing native riparian plant species in areas of weed control and other priority damaged areas Management Action 4: Design projects to enhance nesting habitat of listed and candidate bird species based on local bird surveys, literature review of microhabitat requirements, and advice from avian ecologists Management Action 5: Prohibit non-restoration related fires on public lands within the unit</p> <p>Objective: Protect populations and habitats of listed and rare plant species Management Action 1: Maintain existing protective fences Management Action 2: Fence and restore closed vehicle routes Management Action 3: Put in place signs identifying known populations that people or other disturbances are impacting Management Action 4: Protect all populations and habitat for listed plants</p> <p>Amargosa River Unit</p> <p>Objective: Maintain or improve condition of vegetation Management Action: Protect populations of special status plants CNPS listed species/ special status species:</p> <ul style="list-style-type: none"> - <i>Cordylanthus tecopensis</i> - <i>Centarium namophilum</i> - <i>Calochortus striatus</i> - <i>Nitrophila mojavensis</i> <p>Objective: Improve riparian habitat Management Action: Remove tamarisk in the unit and allow for native plant growth</p>	
<p>Objective: Maintain or improve condition of wildlife habitat Management Action : Protect populations of special status animals Desert Bighorn Sheep Menke's cuckoo wasp (<i>Ceratochrysis menkei</i>) Death Valley agabus diving beetle (<i>Agabus rumppi</i>) Desert tortoise Golden eagle</p> <p>Objective: Protect threatened and endangered (listed) species and their habitat by preventing irreparable damage</p> <p>Allowable Uses:</p>	<p>Fish and Wildlife – Including special status species</p>

<p>Management Action 1: Reduce the numbers of exotic fauna in habitats of listed species habitats including: house mouse (<i>Mus musculus</i>); free-roaming and/or feral domestic cats; brown-headed cowbirds; and other species as identified</p> <p>Management Action 2: Monitor and evaluate habitat trends and conditions specific to listed species on public lands throughout the unit</p> <p>Management Action 3: Work with private landowners, the State, and other federal agencies to identify listed species habitat and habitat trends throughout the unit</p> <p>Management Action 4: Inventory invertebrate populations and assemblages in the unit</p> <p>Amargosa river unit</p> <p>Objective: Maintain or improve condition of wildlife habitat</p> <p>Management Action 1: Remove invasive plants, rehabilitate/revegetated disturbed areas</p> <p>Management Action 2: Protect populations of special status animals</p> <p>Least Bell's Vireo Amargosa vole Yellow-billed cuckoo Amargosa River Pupfish Speckled Dace Southwest willow flycatcher</p>	
<p>Objective: Limit Motorized vehicle impacts</p> <ul style="list-style-type: none"> 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>Objective: Control vehicle access to Amargosa River Unit</p> <p>Allowable Uses: OHV limited to designated routes outside of Amargosa Unit as per the local travel management plan.</p> <p>Management Action: Post signs to block access as funding allows</p>	<p>Trails and Travel Management</p>
<p>Objective: Provide recreation opportunities that are consistent with resource protection</p> <p>Management Action 1: Monitor amount of visitor use of the unit trail system and watchable wildlife areas with visitor registers, periodic visitor counts, traffic counters, and other methods as funding allows</p> <p>Management Action 2: Eliminate bathing at hot springs in the unit</p> <p>Management Action 3: Prohibit the discharge of firearms on public lands within the unit except for shotguns used in legal hunting</p> <p>Management Action 4: Prohibit overnight camping on public lands within the</p>	<p>Recreation</p>








<p>Amargosa South Unit Management Action 5: No camping in critical habitat of ESA-listed species Management Action 6: No camping along the Amargosa River Management Action 7: Restrict camping away from sensitive habitat areas</p> <p>Objective: Provide dispersed opportunities for enjoyment of the unit attributes Management Action 1: Develop a trail plan Management Action 2: Develop an interpretive plan Management Action 3: Restricted vehicle camping to within 100ft of designated open roads</p> <p>Objective: provide dispersed opportunities focuses on enjoyment of the ACEC attributes Allowable Uses: Dispersed camping allowed</p> <p>Amargosa River Unit</p> <p>Objective: Educate public about area conflicts with OHV use Allowable Uses: OHV limited to designated routes Management Action: Post interpretive signs along highly used routes</p>	
<p>Objective: Consolidate through tenure adjustment. Management Action 1: Prioritize for acquisition areas identified in the 1983 ACEC Plans and lands in the expanded unit that contain significant resource values Management Action 2: Acquire State lands within the unit through exchange. Management Action 3: Acquire inholdings, edgeholdings and other interests from willing sellers.</p> <p>Amargosa Canyon Unit</p> <p>Objective: Provide for long term management of private and state lands within Amargosa Canyon Management Action 1: Acquire private and State lands in central canyon area through land exchange, and/or coordinate land management with private and State owners Management Action 2: 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 (ROW)
<p>Objective: Maintain integrity of large blocks of habitat Allowable Uses: Not an allowable use. Renewable energy development is not compatible with the unit's values and criteria</p>	Renewable Energy

<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>Objective: Protect biological and cultural resources Allowable Uses: Open mineral entry w/ stipulations</p>	<p>Locatable Minerals Mineral Materials Non-energy Leasables</p>
<p>Objective: Protect biological and cultural resources Management Action: Maintain Death Valley Junction as a small herd Management Area</p>	<p>Wild Horse and Burro</p>



Nevada

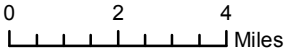
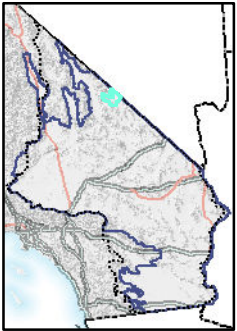
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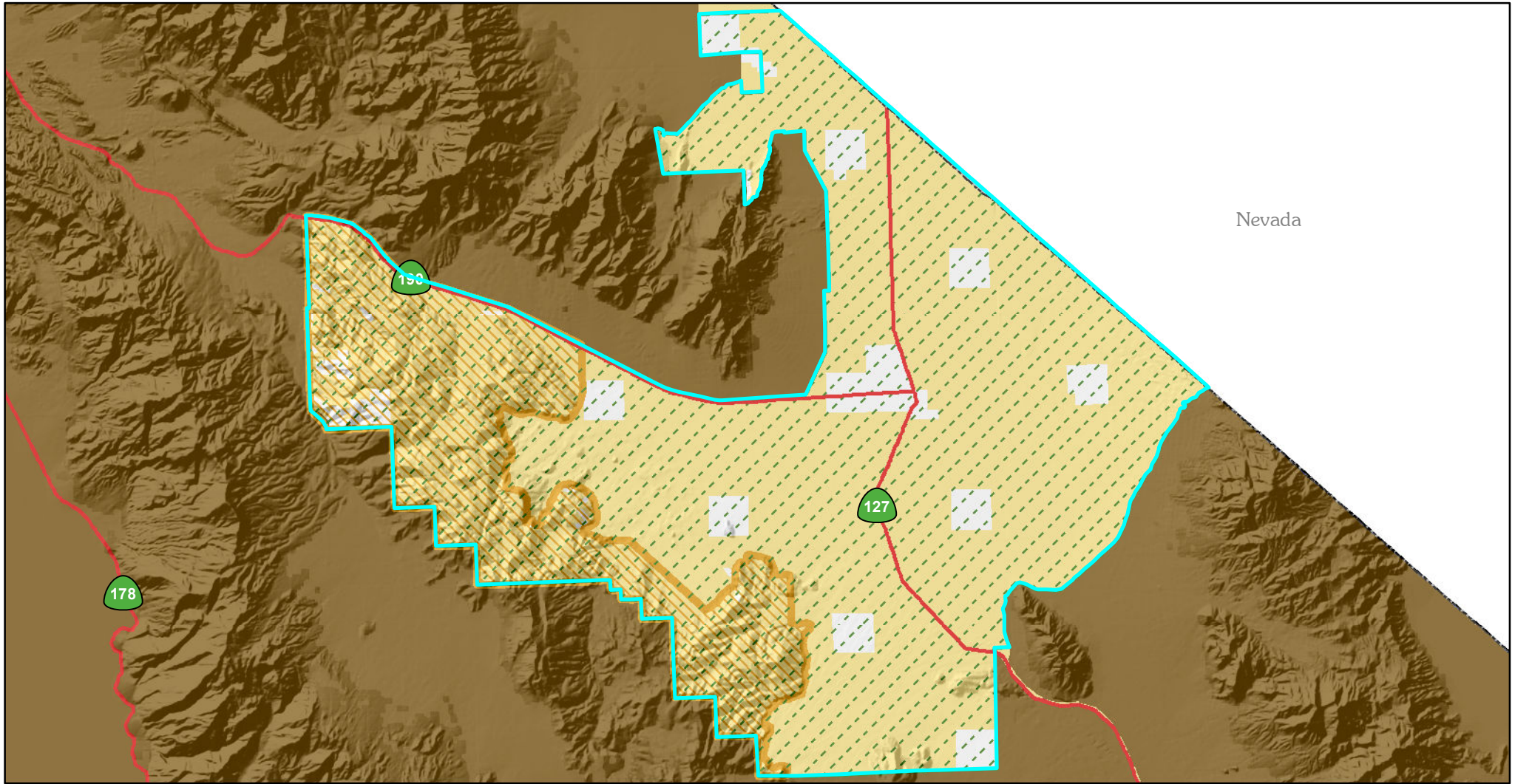
-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  ACEC Boundaries
-  1% Disturbance Cap
-  DRECP Boundary
-  CDCA Boundary
-  Bureau of Land Management

Amargosa North







7/2/2015

Draft Map Boundaries Subject to Change





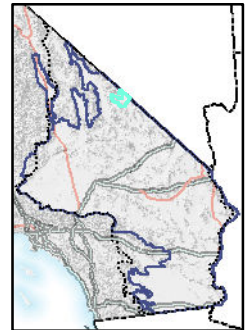
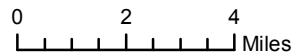
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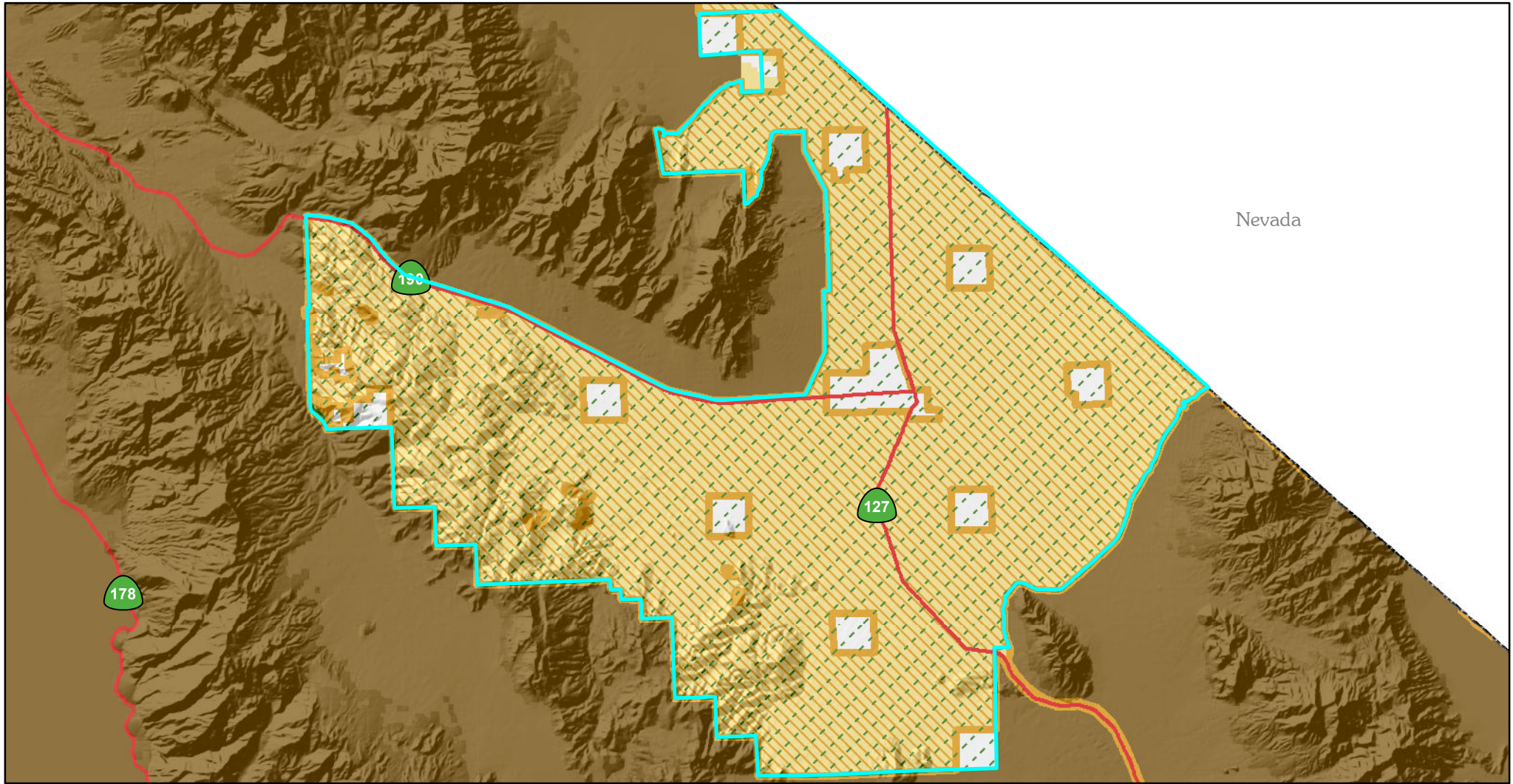
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|--|---|---|----------------|---|---------------------------|
|  | Legislatively & Legally Protected Areas |  | DRECP Boundary | Land Status | |
|  | National Conservation Lands |  | CDCA Boundary |  | Bureau of Land Management |
| ACEC Boundaries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

**Amargosa North
Alternative 1**

8/25/2015

Draft Map Boundaries Subject to Change





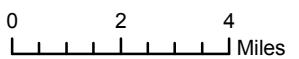


Conservation Footprint

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

ACEC Boundaries

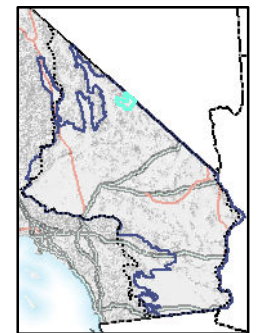
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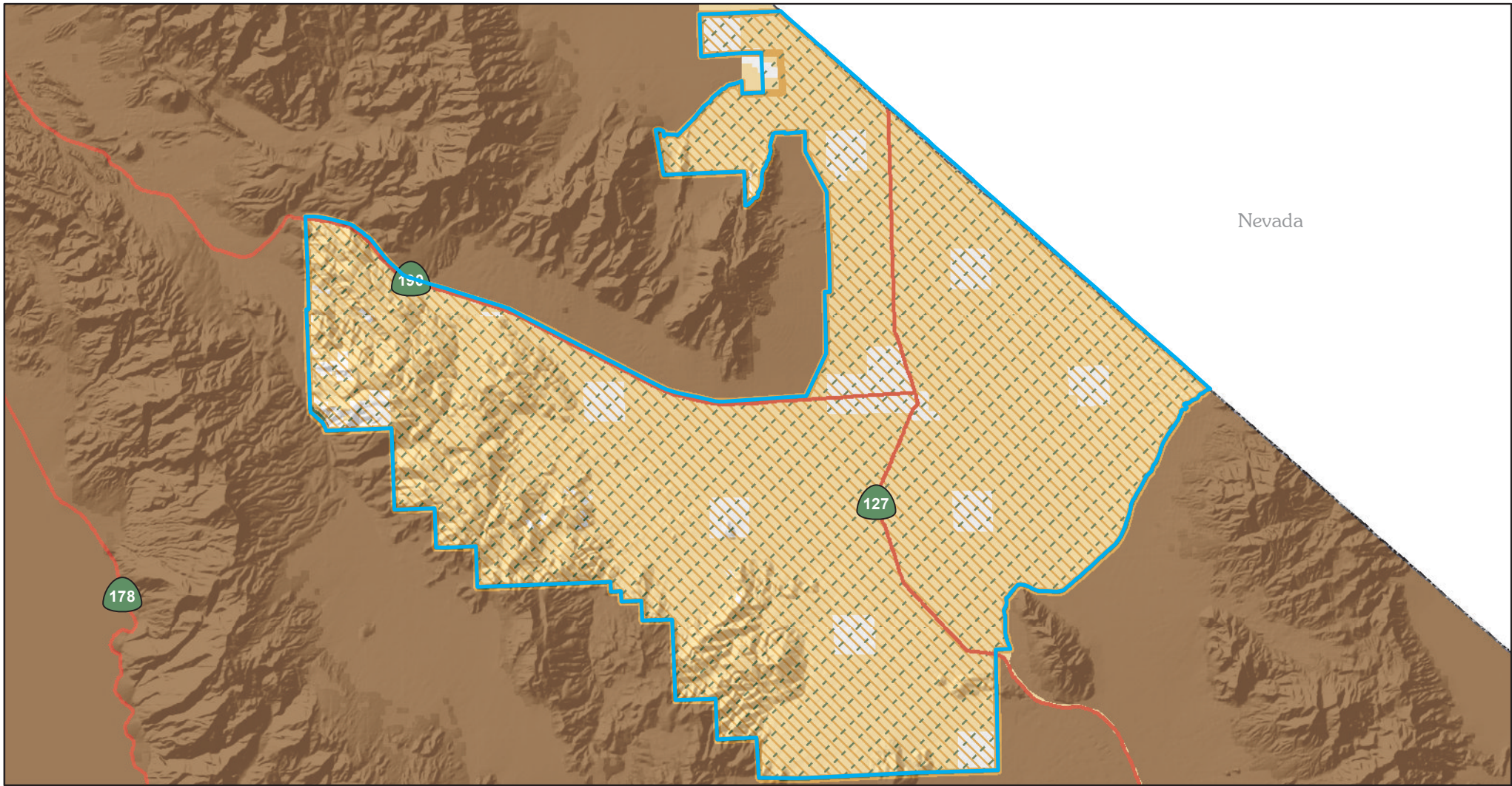


**Amargosa North
Alternative 2**

8/26/2015

Draft Map Boundaries Subject to Change





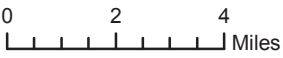


Conservation Footprint

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

ACEC Boundaries

-  0.5% Disturbance Cap
-  1% Disturbance Cap

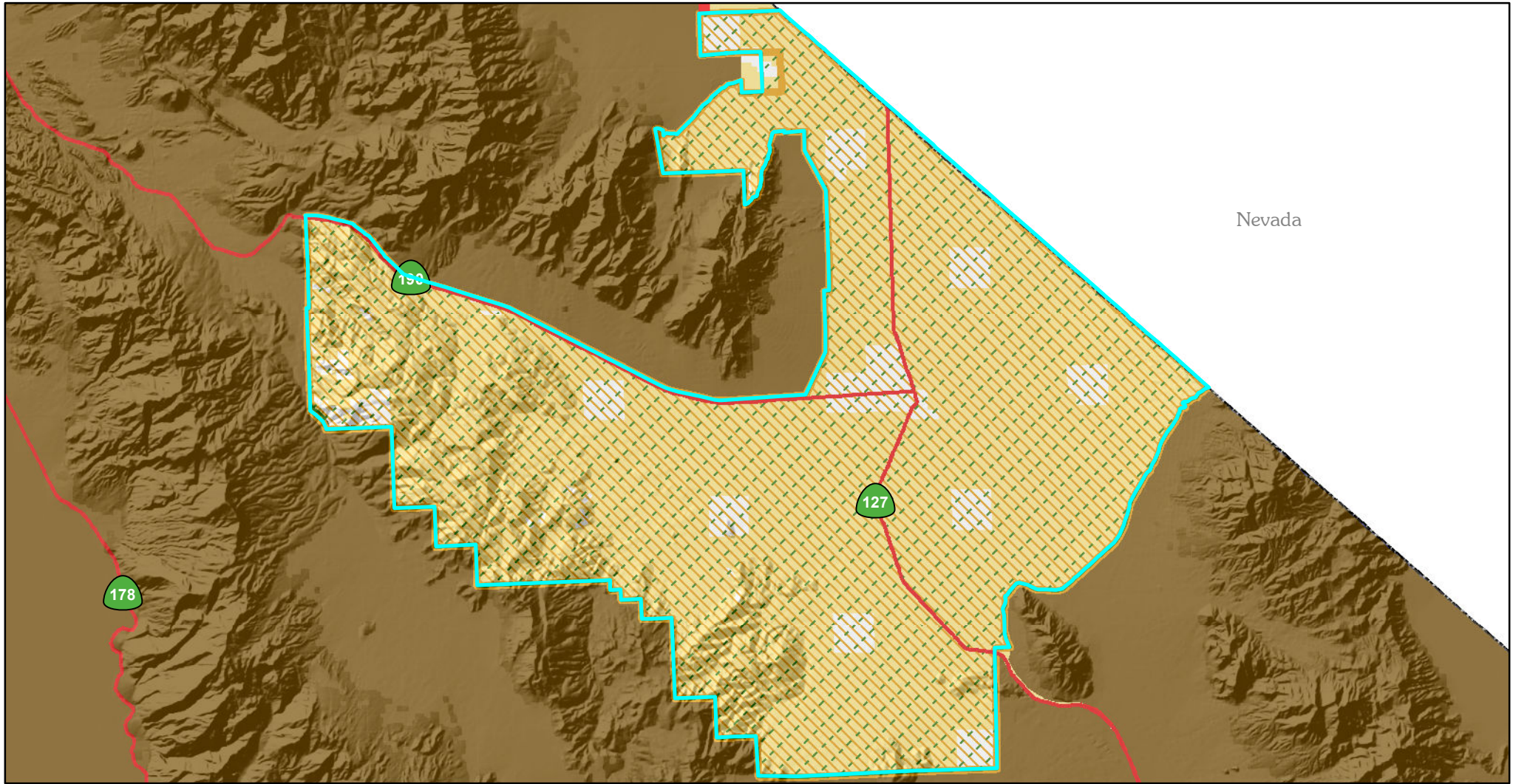


**Amargosa North
Alternative 3**









8/26/2015

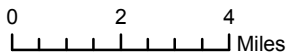
Draft Map Boundaries Subject to Change





Conservation Footprint

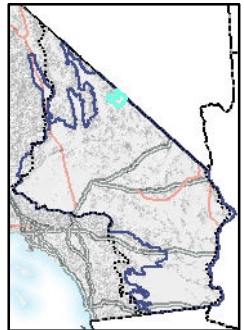
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|  National Conservation Lands |  DRECP Boundary | Land Status |
|  Legislatively & Legally Protected Areas |  CDCA Boundary |  Bureau of Land Management |
| ACEC Boundaries | | Renewable Footprint |
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|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

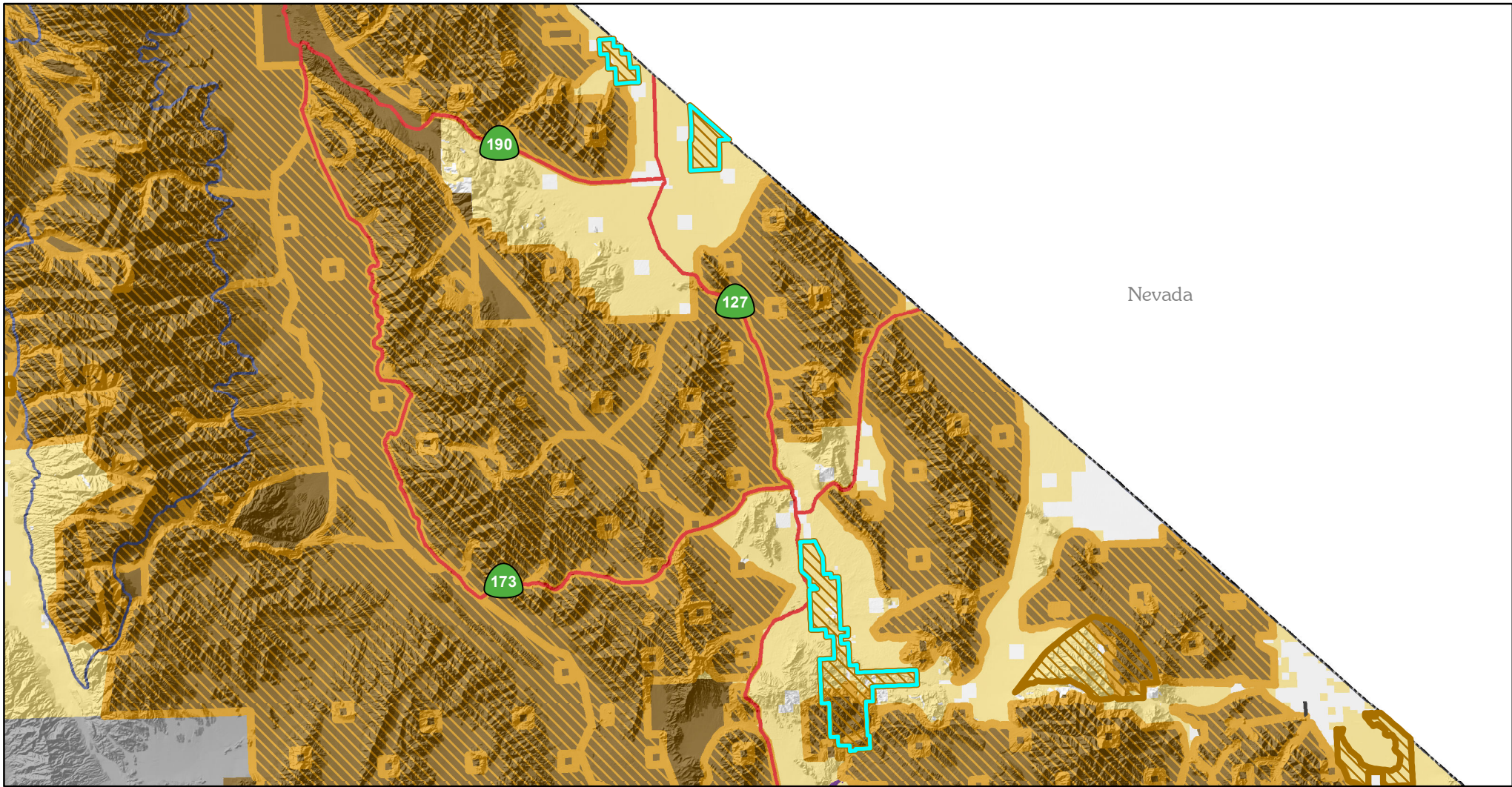


**Amargosa North
Alternative 4**

8/27/2015



Draft Map Boundaries Subject to Change





Conservation Footprint

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

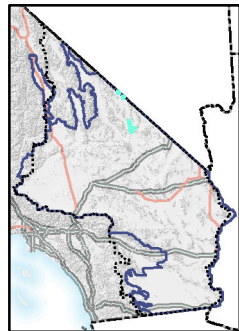
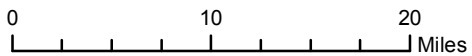
- Land Status
-  Bureau of Land Management
 -  Department of Defense

Amargosa River

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Amargosa South

National Conservation Lands Ecoregion: Kingston-Amargosa and Mojave and Silurian Valley

Description/Location: Amargosa South (includes original 2 ACECs areas— part of Amargosa River ACEC and Grimshaw Lake ACEC). This ACEC is between Resting Spring Range Wilderness (to the north), Dumont Dunes to the south (not including the Dunes in this ACEC), Nopah Range Wilderness and the South Nopah Range Wilderness, Ibex Wilderness, Pahrump Valley Wilderness, and Death Valley National Park.

Nationally Significant Values:

Ecological: The Amargosa South Unit expansion is marked by permanent flowing water and wetlands in one of the driest desert areas on the continent, and includes a broad range of habitat types, serving as a magnet for a diversity of plant and wildlife species, including many special status species. The area also provides habitat for several narrowly endemic species, some of which may not have been described by scientists. Public lands within this unit provide critical habitat connections between a number of designated BLM wilderness areas. Due to its diverse bird assemblage and habitat significance, this area has been designated a nationally recognized Important Bird Area. This area contains an unusual invertebrate assemblages associated with caves and springs – some species may not have been described yet by scientists.

Cultural: This unit includes some of the most intact viewsheads in the California Desert which protects the historical integrity of tribally significant landscapes, and cultural landscapes associated with the Old Spanish National Historic Trail. The area contains a portion of the Old Spanish National Historic Trail within the Nopah Wilderness known as Immigrant Pass which is in the process of being nominated to the National Register of Historic Places.

Scientific: A long-term demographic/ habitat assessment study is being conducted in this unit on the Amargosa Vole which is a very narrowly endemic (limited to approximately 18 hectares) remnant from historically wetter times. This unit is also subject of a long-term hydrology monitoring study and long-term breeding bird studies.

Special Designations/Management Plan/Date: Amargosa River ACEC Plan (encompassing Grimshaw Lake ACEC) in preparation, expansion is newly proposed.

Relevance and Importance Criteria: Relevant biological resources including wildlife and plant assemblages. The area is critical for bighorn sheep (including connectivity), has a unique plant assemblage of desert grassland, and the area has regionally significant populations of scrub lotus (*Acmispon argyraeus* var. *multicaulis*), rosy two-toned beardtongue (*Penstemon bicolor* ssp. *roseus*), cottonwood gallery forest and mesquite bosque. Additionally the area provides important bird habitat for prairie falcons, gray vireo, southwest willow flycatcher, least Bell's vireo, yellow billed cuckoo and Bendire's thrasher. The ACEC contains designated critical habitat for the Amargosa vole and occupied habitat for the Amargosa niterwort and provides important habitat for desert tortoise connectivity and the endemic Amargosa pupfish and Amargosa Speckled dace. 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 area contains significant historic and prehistoric cultural resources including the Old Spanish National Historic Trail.

Grimshaw Lake ACEC: Relevant riparian, wildlife and cultural values. Permanent flowing water and associated wetlands in the Grimshaw Lake Natural Area provide food, cover and nesting space to a great variety of birds. Many fish, mammals, insects and mollusks present in the natural area have very limited

distribution or low population number. This water has also attracted humans for the last several thousand years, and the canyon and surrounding areas offer opportunities for non-intensive recreation.

Amargosa River ACEC: Relevant riparian, wildlife and cultural values. Permanent flowing water and associated wetlands in the Amargosa River ACEC provide food, cover and nesting space to a great variety of birds. Many fish, mammals, insects and mollusks present in the natural area have very limited distribution or low population number. This water has also attracted humans for the last several thousand years, and the canyon and surrounding areas offer opportunities for non-intensive recreation.

National Historic and Scenic Trails: This unit overlaps a portion of the Old Spanish Trail.

Recreation Area: Amargosa/Grimshaw and Tecopa Pass Historic Trails Special Recreation Management Areas (SRMAs)

Grazing Allotment: This unit overlaps with the Horsethief Springs Allotment.

Lands with Wilderness Characteristics: This unit contains 26138 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 biological values, including habitat quality, populations of sensitive species, climate refugia and landscape connectivity while providing for compatible public uses and ecosystem services (e.g. carbon sequestration).

Grimshaw Lake ACEC: Maintain current condition and extent of wetland habitats in order to preserve sensitive biological resources.

Amargosa Canyon ACEC: Protect the area's sensitive and rare wildlife, riparian and cultural resources, while still providing for non-intensive recreation. To provide specific administrative guidance for a variety of natural resources present along a small portion of the Amargosa River drainage.

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
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Preferred Alternative	142,566	147,925	0	1%
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2	138,700	138,700	0	1%
3	131,700	138,000	0	1%
4	129,600	135,800	0	1%
* Acreage values are for BLM managed lands				
Objectives (desired future conditions)/Allowable Uses/Management Actions			Resource	
<p>Objective: Conserve and protect water resources essential to maintenance of other valued resources and habitats</p> <p>Allowable Uses: Protect ground water by not authorizing withdrawals within the ACEC</p> <p>Management Action 1: Prohibit new non-administrative, discretionary stream diversions and groundwater-disturbing activities on public lands within the ACEC</p> <p>Management Action 2: Quantify, assert, and protect Federal Reserve water rights for Kingston Range Wilderness, the Amargosa Wild and Scenic River, and Public Water Reserves</p> <p>Management Action 3: File for appropriated water rights to conserve existing water sources that support the ACEC's resources and values</p> <p>Management Action 4: Install and maintain stream monitoring equipment to quantify flows in the Amargosa Canyon</p> <p>Management Action 5: Monitor surface water quality at pre-selected locations to gauge condition and trend</p> <p>Management Action 6: Identify, map, and monitor groundwater sources and springs within the ACEC</p> <p>Management Action 7: Monitor water uses from new BLM land use authorizations within the California portion of the Amargosa watershed</p> <p>Objective: Conserve soils and soil properties in the ACEC</p> <p>Objective: Conserve soil resources to maintain other valued resources and habitats</p> <p>Management Action: Conduct an Order III soil survey for the ACEC that will include a series or association level vegetation map for the ACEC</p>			Soil, water, air	

<p>Objective: Maintain riparian habitat, permanent water flow through Amargosa Canyon to ensure stability of natural resources dependent upon continued water flow</p> <p>Allowable Uses: Section 33, Township 21 North, Range 7 East: Public water reserve</p> <p>Management Action: Develop projects to prevent degradation of hydrologic resources</p>	
<p>Objective: Maintain or Improve condition of vegetation</p> <p>Management Action 1: Remove invasive plants, rehabilitate/revegetated disturbed areas</p> <p>Management Action 2: Protect populations of special status plants</p> <p>Tecopa bird's-beak (<i>Chloropyron tecopense</i>)</p> <p>Amargosa beardtongue(<i>Penstemon fruticiformis</i> var. <i>amargosae</i>)</p> <p>Stephens' beardtongue(<i>Penstemon stephensii</i>)</p> <p>Pahrump orache (<i>Atriplex argentea</i> var. <i>longitrichoma</i>)</p> <p>forked buckwheat (<i>Eriogonum bifurcatum</i>)</p> <p>Kingston Mountains bedstraw (<i>Galium hilendiae</i> ssp. <i>Kingstonense</i>)</p> <p>Kingston Mountains ivesia (<i>Ivesia patellifera</i>)</p> <p>Clark Mountain monardella (<i>Monardella eremicola</i>)</p> <p>Parish's phacelia (<i>Phacelia parishii</i>)</p> <p>Rusby's desert-mallow (<i>Sphaeralcea rusbyi</i> var. <i>eremicola</i>)</p> <p>Grimshaw ACEC</p> <p>CNPS listed species/ special status species:</p> <ul style="list-style-type: none"> - <i>Cordylanthus tecopensis</i> - <i>Centarium namophilum</i> - <i>Calochortus striatus</i> - <i>Nitrophila mojavensis</i> <p>Amargosa Canyon ACEC</p> <p>CNPS listed species/ special status species:</p> <ul style="list-style-type: none"> - <i>Cordylanthus tecopensis</i> - <i>Centarium namophilum</i> - <i>Calochortus striatus</i> - <i>Nitrophila mojavensis</i> <p>Management Action 3: Protect Unusual Plant Assemblages:</p> <p>Mesque bosque</p> <p>Salt and brackish water marshes</p> <p>Cottonwood Gallery Forest/Woodland</p> <p>Objective: Monitor the condition of vegetation to inform adaptive management of vegetation in the ACEC</p> <p>Management Action1: Conduct multi-year surveys to establish a vegetation baseline in the ACEC, including populations of listed and sensitive plant species</p> <p>Management Action 2: Monitor changes in vegetation over time, once a baseline is established</p> <p>Management Action 3: Monitor suitable listed and sensitive plant habitat</p>	<p>Vegetation – Including special status species</p>

<p>Management Action 4: Track population trends Management Action 5: Identify additional recovery needs Management Action 6: Identify thresholds for substantial change that would trigger the reevaluation of conservation strategies</p> <p>Objective: Reduce non-native riparian plants along the Amargosa River, especially tamarisk Management Action1: Implement the Barstow Field Office's ten-year weed control plan for tamarisk (<i>Tamarix</i> spp.) in upstream portions of the ACEC first and including public, state, and private lands, as feasible Management Action 2: Implement, as needed, a controlled burn program to enhance weed control projects and/or to eliminate refuse from mechanical removal Management Action 3: Restore riparian zones as needed by reintroducing native riparian plant species in areas of weed control and other priority damaged areas Management Action 4: Design projects to enhance nesting habitat of listed and candidate bird species based on local bird surveys, literature review of microhabitat requirements, and advice from avian ecologists Management Action 5: Prohibit non-restoration related fires on public lands within the ACEC</p> <p>Objective: Protect populations and habitats of listed and rare plant species Management Action 1: Maintain existing protective fences Management Action 2: Fence and restore closed vehicle routes Management Action 3: Put in place signs identifying known populations that people or other disturbances are impacting</p> <p>Objective: Maintain riparian habitat quality Management Action: Remove tamarisk from area Objective: Improve riparian habitat Management Action: Remove tamarisk in Natural Area and allow for native plant growth</p>	
<p>Objective: Maintain or improve habitat for sensitive wildlife species Management Action: Protect populations of special status animals Amargosa vole Death Valley agabus diving beetle (<i>Agabus rumppi</i>) Shoshone Cave whip-scorpion (<i>Hubbardia shoshonensis</i>) Death Valley June beetle (<i>Polyphylla erratica</i>) Shoshone Cave harvestman(<i>Texella Shoshone</i>) Amargona naucorid bug (<i>Pelacoris shoshone</i>) Pallid bat Townsend's big-eared bat Long-legged myotis (<i>Myotis volans</i>) Kingston Mountain chipmunk(<i>Neotamias panamintinus acrus</i>) Mojave fringed toed lizard Nelson's biorhorn sheep</p>	<p>Fish and Wildlife – Including special status species</p>

Western Yellow-billed Cuckoo – CDFG listed species
 Long-eared Owl – CDFG species of concern
 Loggerhead Shrike – CDFG species of concern
 Yellow breasted Chat – CDFG species of concern
 Bendire’s Thrasher – BLM sensitive species
 Crissal Thrasher – BLM sensitive species
 Gray vireo – BLM sensitive species
 Least Bell’s vireo – federally listed
 Southwest Willow Flycatcher – federally listed
 Brown-crested Flycatcher – CDFG species of concern
 Vermillion flycatcher – CDFG species of concern
 Lucy’s Warbler – BLM sensitive species
 Virginia’s Warbler – CDFG species of concern
 Yellow warbler – CDFG species of concern
 Summer Tanager – CDFG species of concern
 Amargosa pupfish and Shoshone pupfish

Amargosa River ACEC
 speckled dace (*Rhinichthys osculus* ssp. 1)

Grimshaw Lake ACEC

Special Status Species:

- Least Bell’s Vireo
- Amargosa vole
- Yellow-billed cuckoo
- Amargosa River Pupfish

Speckled Dace

Objective: Protect sensitive species and their habitat by preventing irreparable damage

Management Action 1: Reduce the numbers of exotic fauna in habitats of listed species habitats using protocols in the ACEC appendix to respond to to: house mouse (*Mus musculus*); free-roaming and/or feral domestic cats; brown-headed cowbirds; and other species as identified

Management Action 2: Repair portions of the Tidewater and Tonopah (T and T) railroad grade that might cause loss of Amargosa vole populations and habitat from Amargosa River flooding where ecologically feasible and economically feasible

Management Action 3: Collaborate with the FWS, USGS, and CDFG to translocate voles to other suitable habitats if repair of railroad potential problem areas is not reasonable or feasible

Management Action 4: Construct a vehicle barrier at the mouth of Cowboy Canyon to protect riparian habitat of listed species

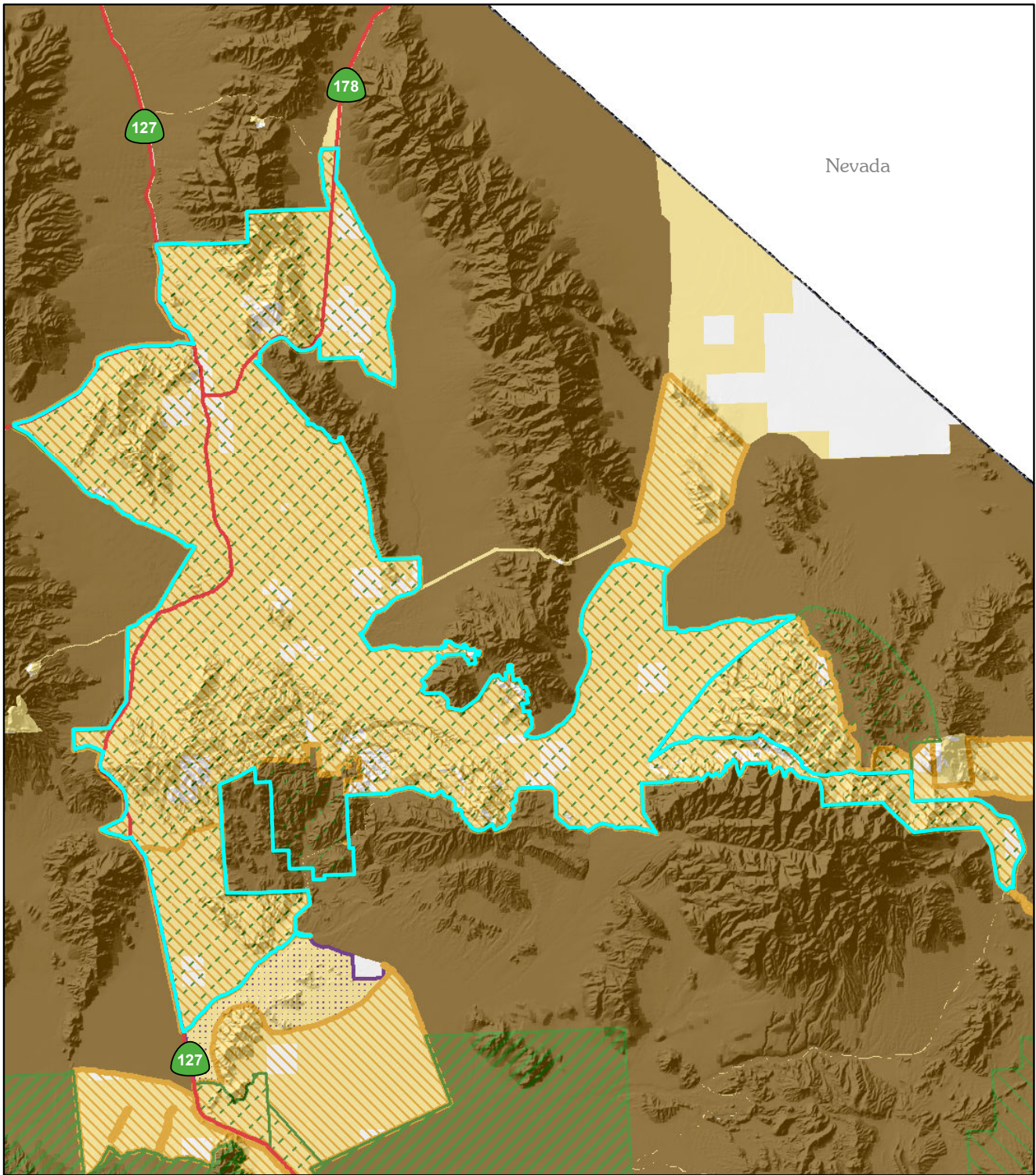
Management Action 5: Survey for populations of Amargosa River pupfish (*Cyprinodon nevadensis amargosae*) and the Amargosa Canyon speckled dace (*Rhinichthys osculus* ssp.1)

Management Action 6: Monitor and evaluate habitat trends and conditions specific to listed species on public lands throughout the ACEC

<p>Management Action 7: Work with private landowners, the State, and other federal agencies to identify listed species habitat and habitat trends throughout the ACEC</p> <p>Management Action 8: Inventory invertebrate populations and assemblages in the ACEC associated with caves and springs</p> <p>Management Action 9: Monitor sensitive fish and invertebrate microhabitats to identify trends and threats</p>	
<p>Objective: Implement new Wild and Scenic River Trail Plan (under development)</p> <p>Allowable Uses: Limit off-highway vehicle use to designated routes as per the local Travel Management plan.</p> <p>Management Action 1: Maintain existing off-road vehicle barriers at the southern end of the Amargosa River ACEC adjacent to Sperry Wash to protect wilderness values; support the existing OHV vehicle designation in Amargosa Canyon.</p> <p>Management Action 2: Build an OHV exclusion barrier at the trailhead of the rerouted northern end of the Tecopa Trail and restore the previous trailhead, as needed</p> <p>Management Action 3: Evaluate open route in Tecopa Marsh for closer in local travel management plan</p> <p>Management Action 4: Continue existing closure around Tecopa as designated in local travel management plan (approximately 10,000 acres)</p> <p>Objective: Control vehicle access in Grimshaw Lake ACEC</p> <p>Allowable Uses: Limit off-highway vehicle use to designated routes as per the local Travel Management plan.</p> <p>Objective: Limit OHV impacts on resources at Grimshaw Lake ACEC</p> <p>Management Action: Post interpretive signs along highly used routes as funding is available</p> <p>Objective: Limit OHV impacts on resources at Amargosa Canyon ACEC</p> <p>Allowable Uses: limit off-highway vehicle use to designated routes as per the local Travel Management plan</p> <p>Management Action: Post signs as funding is available</p> <p>Objective: Control vehicle access to Amargosa Canyon ACEC</p> <p>Allowable Uses: On access routes to the ACEC limit off-highway vehicle use to designated routes as per the local Travel Management plan.</p> <p>Management Action: Post signs to block access as funding is available</p>	<p>Trails and Travel Management</p>
<p>Refer to the Tecopa Pass Historic Trails and Amargosa/Grimshaw Special Recreation Management Area (SRMA) write-up's for detailed objectives, allocations, and management direction.</p> <p>Objective: Provide dispersed opportunities for enjoyment of the ACEC</p>	<p>Recreation</p>

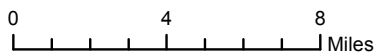
<p>attributes Allowable Uses: camping and dispersed recreation Management Action: Post interpretive signs along highly used routes as funding is available</p>	
<p>Objective: Consolidate through tenure adjustment. Management Action 1: Prioritize areas identified in the 1983 ACEC Plans and lands in the expanded ACEC that contain significant resource values Management Action 2: Acquire State lands within the ACEC through exchange. Management Action 3: Acquire inholdings, edgeholdings and other interests from willing sellers.</p> <p>Objective: Increase protection of sensitive resources present within the Grimshaw Lake ACEC through protective withdrawal of public lands Management Action: Submit request that public lands within the Natural Area be withdrawn from appropriation under the public land laws</p> <p>Objective: Provide for uniform management of wetland habitats in basin through cooperative effort with interested landowners Management Action: Acquire private lands near ACEC that contain standing water/marsh/T&E habitat through exchange</p> <p>Objective: Provide for long term management of private and state lands within Amargosa Canyon Management Action: Acquire private and State lands in central canyon area through land exchange, and/or coordinate land management with private and State owners</p>	<p>Land Tenure</p>
<p>Objective: Protect resource values Allowable Uses: No ROWs in critical habitat, no ROWs that alter groundwater regimes</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>Rights of Way (ROW)</p>
<p>Objective: Maintain integrity of large blocks of habitat Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</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>
<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).</p> <p>A part of this ACEC is within the Horsethief Springs grazing allotment. Grazing will continue to be authorized in the overlap area and is governed by federal</p>	<p>Livestock</p>

regulations including the achievement of standards and guidelines.	
<p>Objective: Protect biological resources</p> <p>Allowable Uses: Existing ACEC designated areas are closed to all new mineral entry, existing activities allowed.</p> <p>Management Action: try to purchase private mines and rehabilitate, closed to mining within Amargosa Canyon ACEC</p>	<p>Locatable Minerals</p> <p>Mineral Materials</p> <p>Non-energy Leasables</p>



Conservation Footprint

- | | | |
|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | Land Status |
| National Conservation Lands | CDCA Boundary | Bureau of Land Management |
| ACEC Boundaries | OHV Boundary | |
| 0.25% Disturbance Cap | | |
| 0.5% Disturbance Cap | | |
| 1% Disturbance Cap | | |

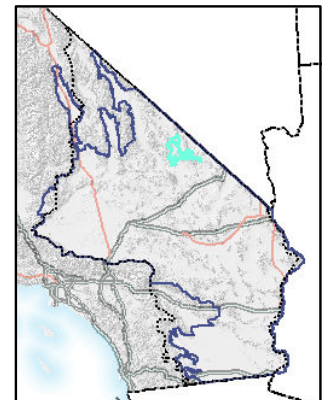


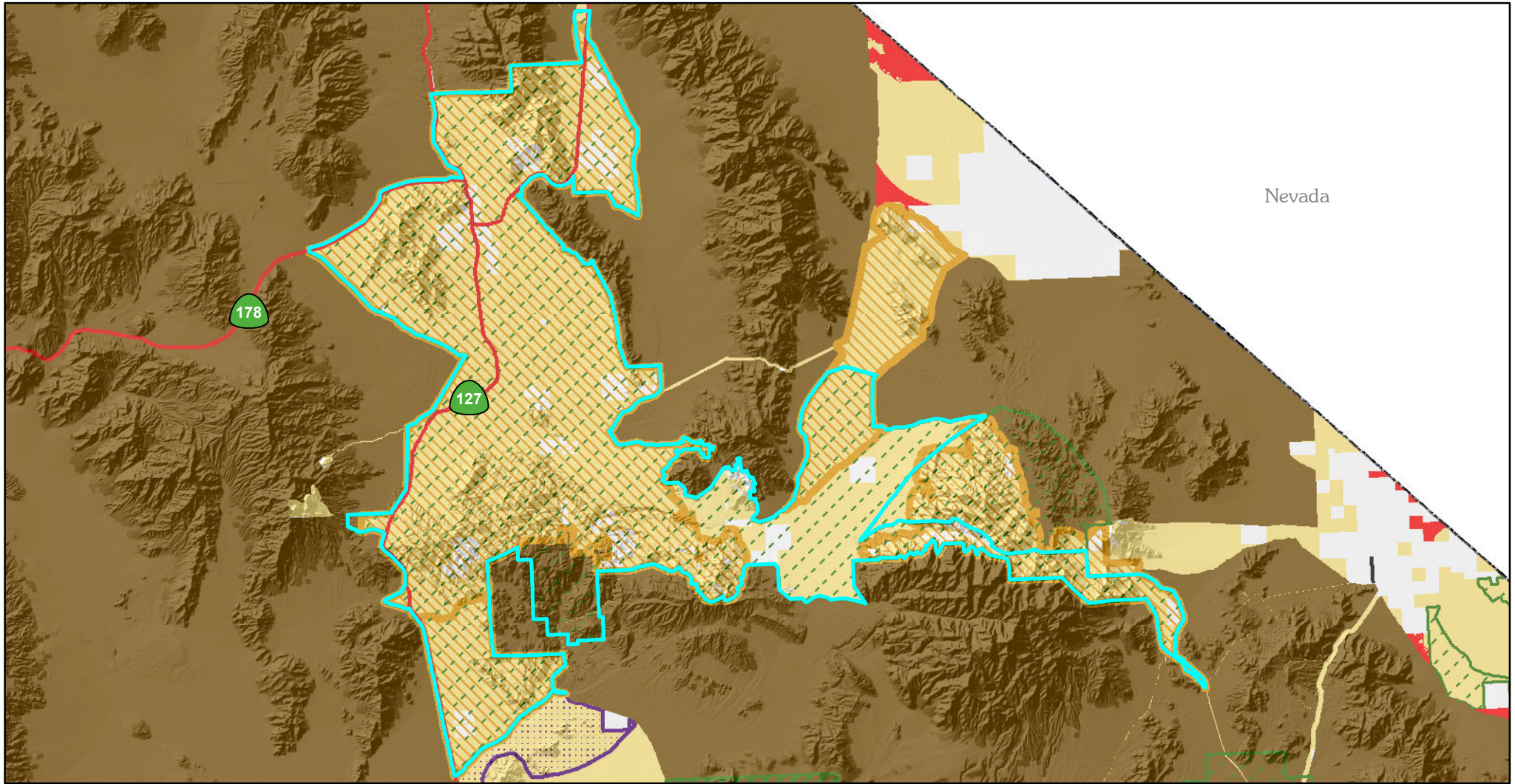
Amargosa South

6/25/2015



Draft Map Boundaries Subject to Change

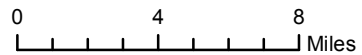




Nevada

Conservation Footprint

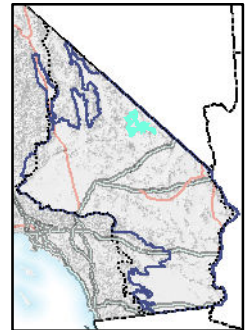
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|---|----------------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | Land Status |
| National Conservation Lands | CDCA Boundary | Bureau of Land Management |
| ACEC Boundaries | OHV Boundary |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

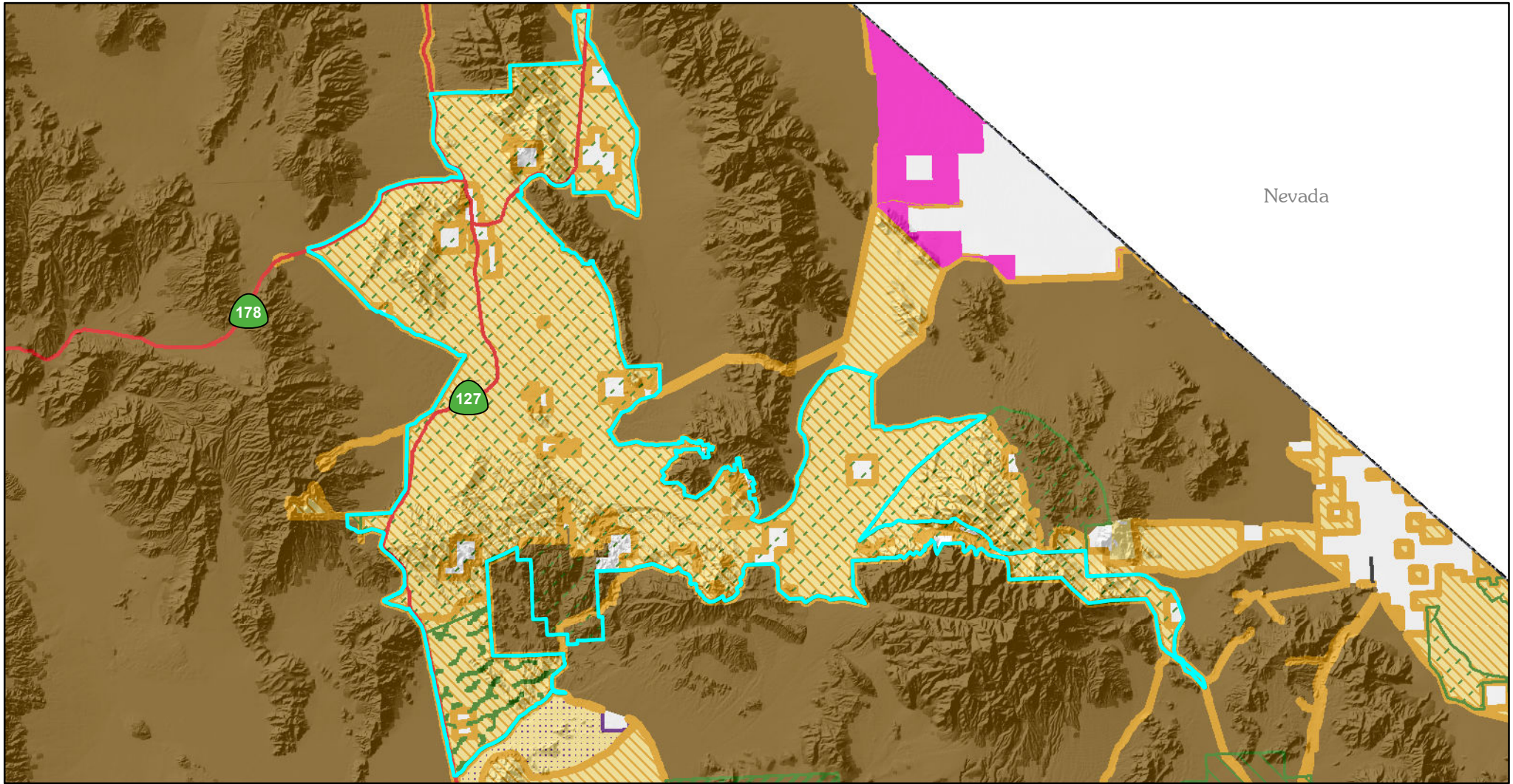


**Amargosa South
Alternative 1**










8/25/2015


Draft Map Boundaries Subject to Change



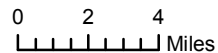


Conservation Footprint

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
- ACEC Boundaries**
-  0.1% Disturbance Cap
-  0.25% Disturbance Cap
-  0.5% Disturbance Cap
-  1% Disturbance Cap
-  DRECP Boundary
-  CDCA Boundary
-  OHV Boundary

- Land Status**
-  Bureau of Land Management

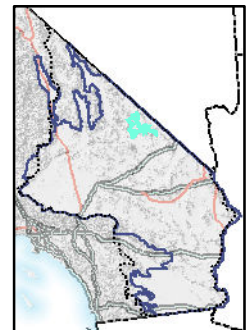
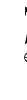
- Renewable Footprint**
-  Development Focus Areas

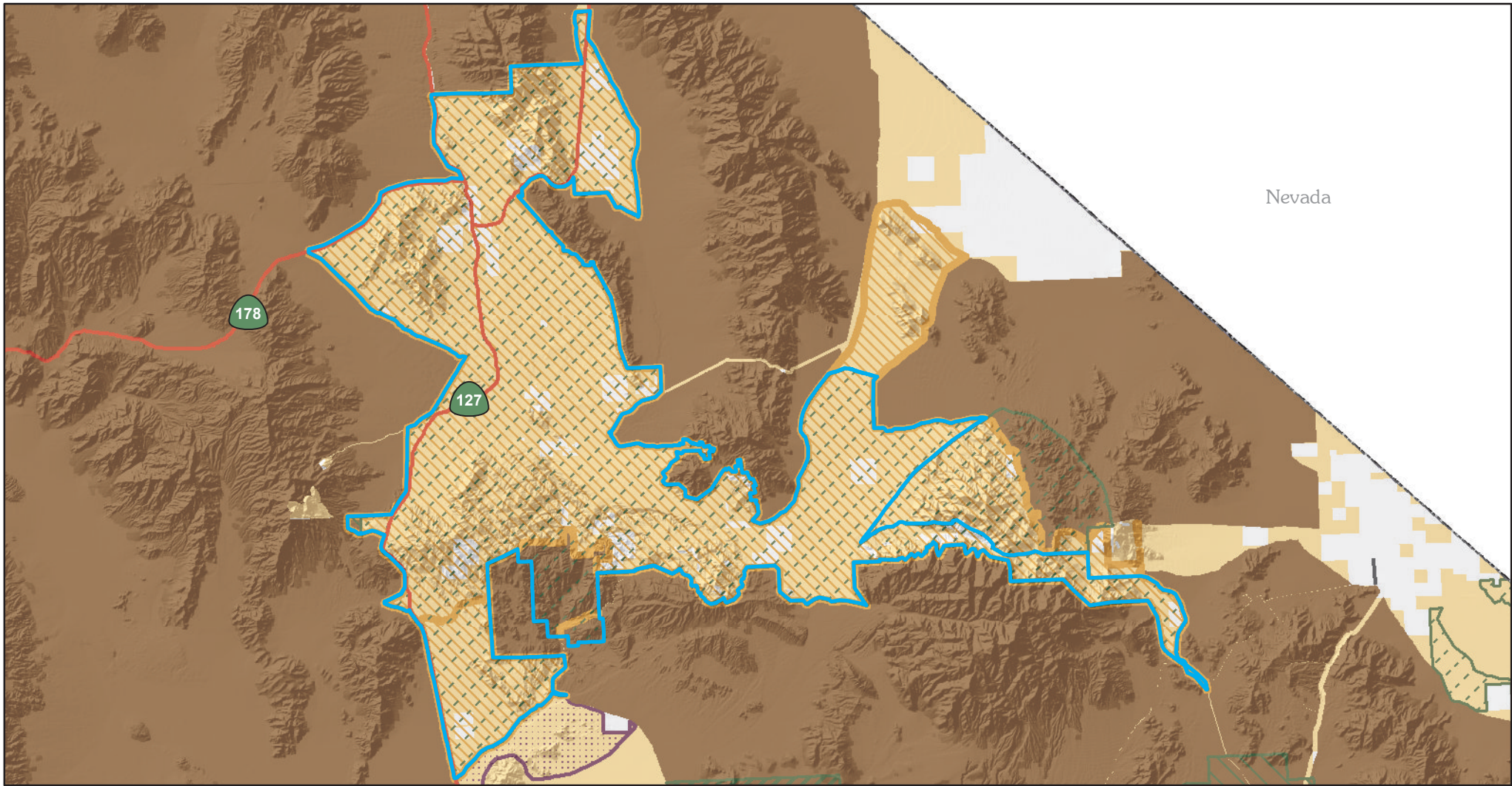


**Amargosa South
Alternative 2**

8/26/2015

Draft Map Boundaries Subject to Change

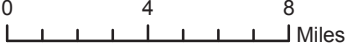




Conservation Footprint

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

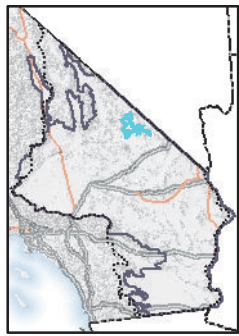
- 0.25% Disturbance Cap
- 0.5% Disturbance Cap
- 1% Disturbance Cap

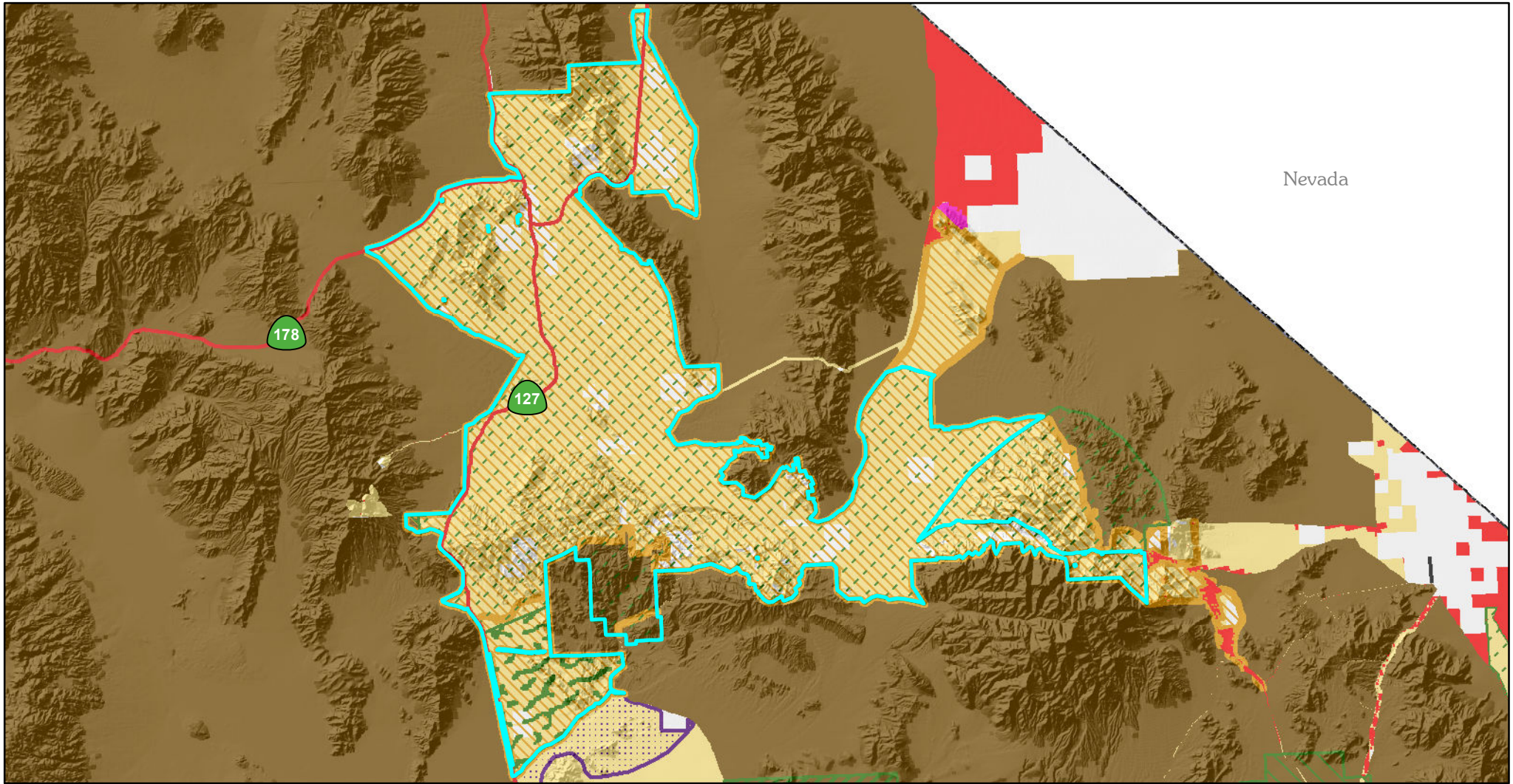


**Amargosa South
Alternative 3**



8/26/2015

Draft Map Boundaries Subject to Change












Conservation Footprint



-  National Conservation Lands
-  Legislatively & Legally Protected Areas

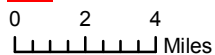
ACEC Boundaries

-  0.1% Disturbance Cap
-  0.25% Disturbance Cap
-  0.5% Disturbance Cap
-  1% Disturbance Cap

-  DRECP Boundary
-  CDCA Boundary
-  OHV Boundary

Renewable Footprint

-  Development Focus Areas
-  Variance Lands



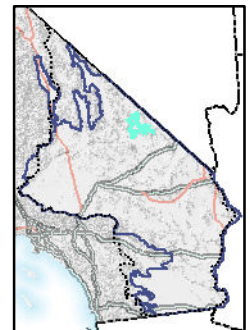
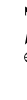
Land Status

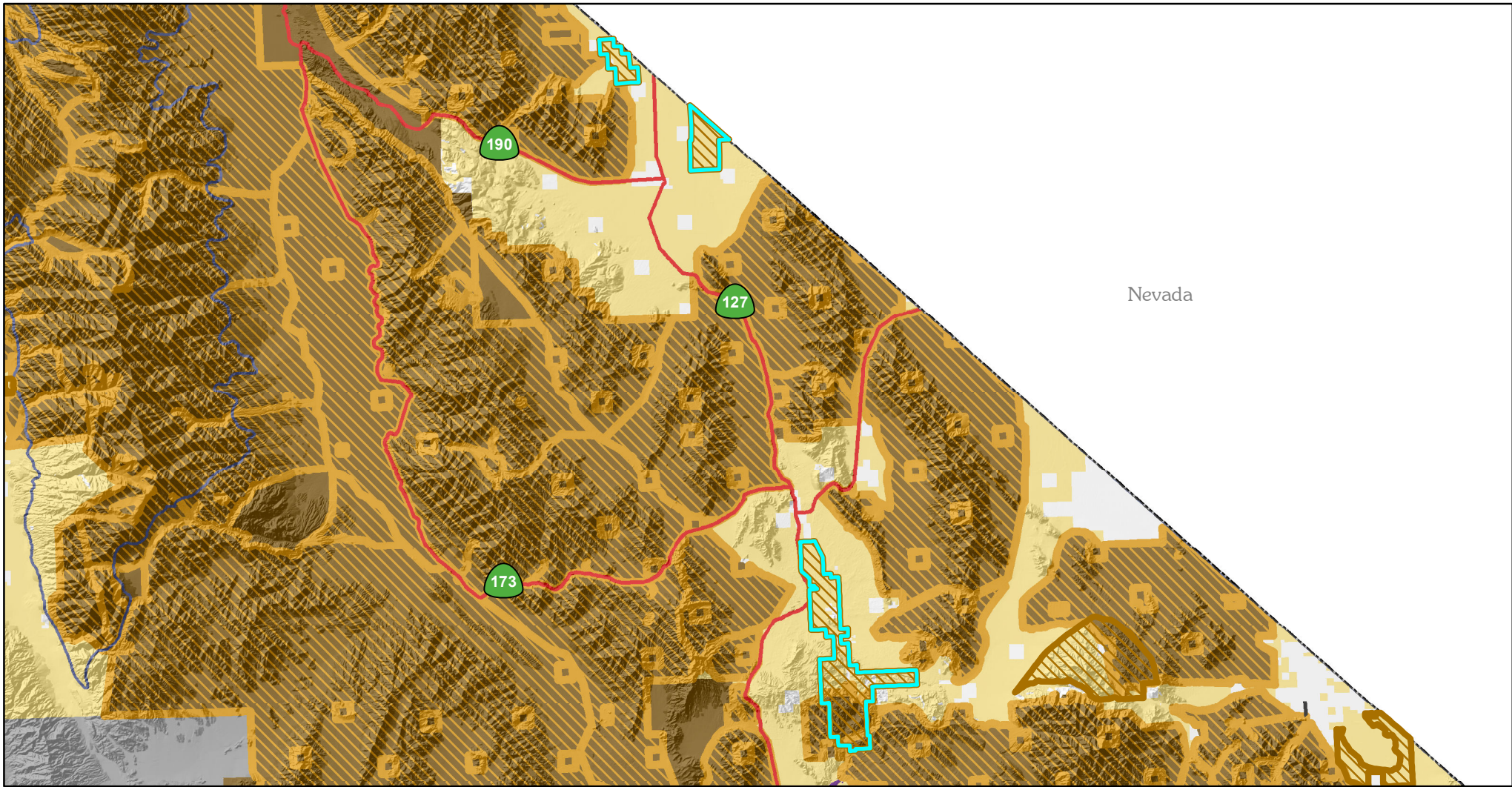
-  Bureau of Land Management

**Amargosa South
Alternative 4**

8/27/2015



Draft Map Boundaries Subject to Change





Conservation Footprint

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

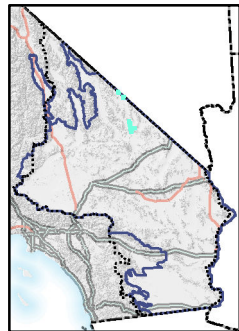
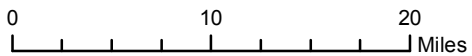
- Land Status
-  Bureau of Land Management
 -  Department of Defense

Amargosa River

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Clark Mountain

National Conservation Lands Ecoregion: Kingston Amargosa

Description/Location – The Clark Mountain Range is located in northeastern San Bernardino County, 60 miles south/southwest of Las Vegas, Nevada, and 75 miles northwest of Needles, California. Clark Mountain is a prominent local landmark. The ACEC consists currently of two segmented parts separated by the creation of the Mojave National Preserve, Clark Mountain unit. Clark Mountain is an “island” mountain in the central portion of the Clark Mountain Range. The ACEC is located in the central portion of the Clark Mountain Range.

Nationally Significant Values: Not proposed for NLCS designation.

Special Designations/Management Plan/Date : ACEC #19/ 1986

Relevance and Importance Criteria:

Biological: The area has some of the richest flora and fauna in the California Desert, including 11 plant communities and the largest relic stand of white fir in the CDCA. Desert bighorn sheep inhabit the area as well as diverse bird and reptile populations. The Clark Mountains are the highest mountains in the CDCA, resulting in the unique “island” qualities and isolated ecosystems.

Cultural: Clark Mountain ACEC contains extensive evidence of prehistoric aboriginal occupation spanning over a period of 4000 years. Today, Clark Mountain is also of special importance to Native Americans due to its spiritual significance. Clark Mountain houses the oldest town site in the eastern Mojave Desert is located in the Clark Range at Ivanpah Springs. The area is also significant to Native Americans for spiritual values and as an area important for past habitation and use.

Recreation Area: This unit overlaps with the Shadow Valley ERMA.

Grazing Allotment: This unit overlaps with Clark Mountain Allotment.

Overarching Goals: Provide protection and special management attention for sensitive natural and cultural resources that will enhance their status and condition while providing for uses that are compatible with the protection and enhancement of sensitive resources.

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	4,300	0	NA
Preferred Alternative	0	0**	0	1%
1	0	4,300	0	1%
2	4,300	4,300	0	1%
3	0	4,300	0	1%
4	0	4,300	0	1%

* Acreage values are for BLM managed lands

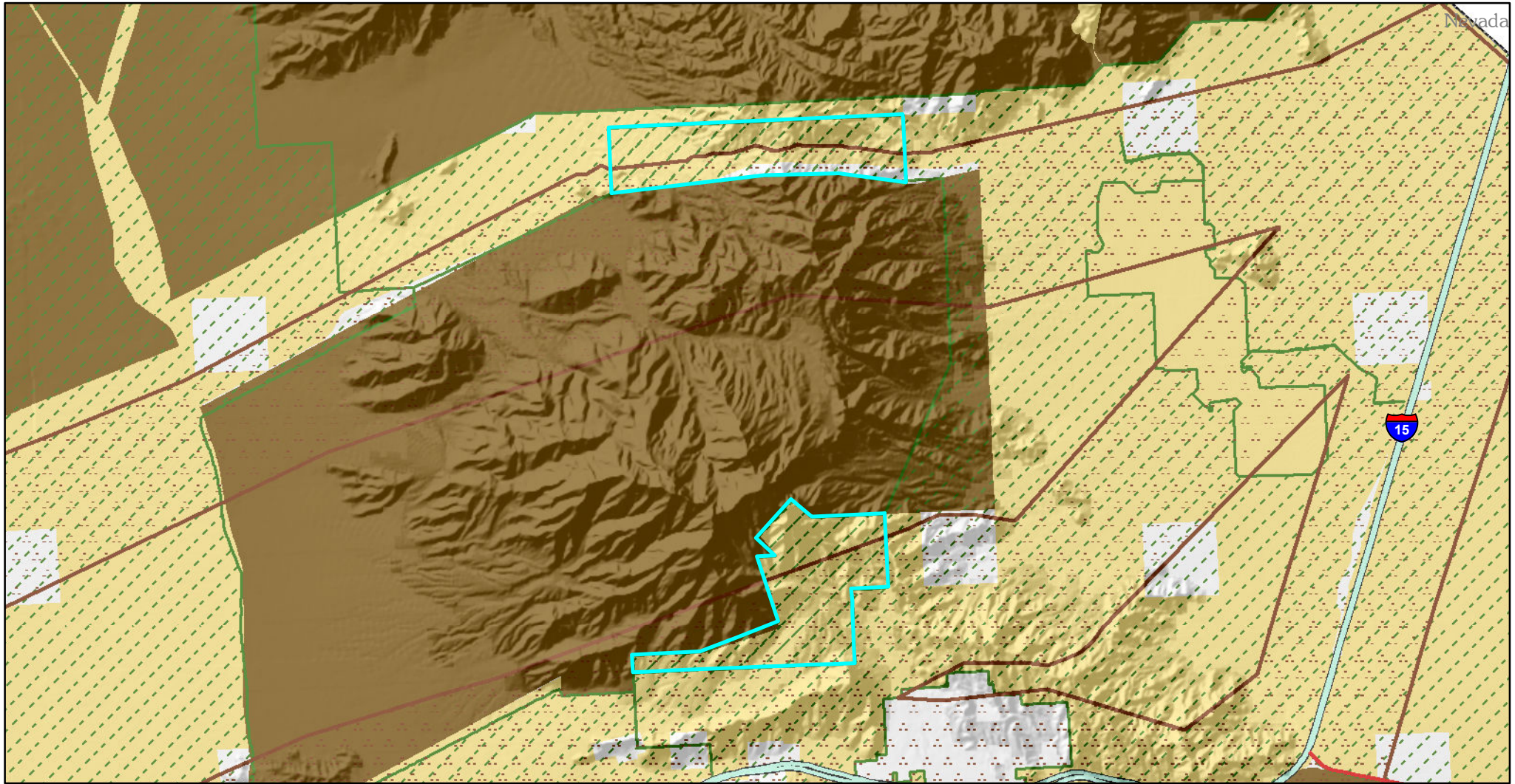
**The majority of this ACEC is now within the Mojave National Preserve. Maintaining this unit is more logically managed as part of the Ivanpah ACEC. This ACEC designation will be retired, but the lands will continue to be protected under the Ivanpah ACEC.

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
Maintain proper functioning condition of soils and vegetation. Control erosion. Limit OHV use to designated routes.	Soil, water, air
<p>BLM sensitive species – polished blazing star (<i>Mentzelia polita</i>) [CNPS.1B.2]</p> <p>Rusby’s desert-mallow (<i>Sphaeralcea rusbyi</i> ssp. <i>eremicola</i>) [CNPS 1B.2]</p> <p>Unusual plant assemblages including riparian areas</p> <p>Other rare plant species:</p> <p>Coyote gilia (<i>Aliciella triodon</i>) [CNPS 2.3]</p> <p>scaly cloak fern (<i>Astrolepis cochisensis</i> ssp. <i>cochisensis</i>) [CNPS 2.3]</p> <p>three-awned grama (<i>Bouteloua trifida</i>) [CNPS 2.3]</p> <p>desert pincushion (<i>Coryphantha chlorantha</i>) [CNPS 2.1]</p> <p>Gilman’s cymopterus (<i>Cymopterus gilmanii</i>) [CNPS 2.3]</p>	Vegetation (incl. special status species)

<p>nine-awned pappus grass (<i>Enneapogon desvauxii</i>) [CNPS 2.2]</p> <p>viviparous foxtail cactus (<i>Escobaria vivipara</i> var. <i>rosea</i>) [CNPS 2.2]</p> <p>desert bedstraw (<i>Galium proliferum</i>) [CNPS 2.2]</p> <p>plains flax (<i>Linum puberulum</i>) [CNPS 2.3]</p> <p>tough muhly (<i>Muhlenbergia arsenei</i>) [CNPS 2.3]</p> <p>Utah beardtongue (<i>Penstemon utahensis</i>) [CNPS 2.3]</p> <p>Aven Nelson’s phacelia (<i>Phacelia anelsoni</i>) [CNPS 2.3]</p> <p>Chamber’s Physaria (<i>Physaria chambersii</i>) [CNPS 2.3]</p> <p>Abert’s sanvitalia (<i>Sanvitalia abertii</i>) [CNPS 2.2]</p> <p>Mormon needle-grass (<i>Stipa arida</i>) [CNPS 2.3]</p> <p>Also many more CNPS class 4 plant species.</p> <p>Objective: Protect and preserve habitat</p> <p>Action: Botanical inventory focusing on rare and threatened plants</p> <p style="padding-left: 40px;">Inspect casual recreation sites routinely and minimize impacts</p>	
<p>BLM CA Sensitive Species –</p> <p>Bendire’s Thrasher (<i>Toxostoma bendirei</i>)</p> <p>Gray Vireo (<i>Vireo vicinior</i>)</p> <p>Desert bighorn sheep</p> <p>Objective: Improve water sources for wildlife</p> <p>Action: Install one big game guzzler and a small wildlife drinker</p> <p style="padding-left: 40px;">Inspect existing water sources for water quality and availability</p> <p>Objective: Protect and improve native vegetation in habitats of Bendire’s Thrasher and Gray Vireo.</p>	<p>Fish and Wildlife (incl. special status species)</p>

<p>Action: Evaluate sites for abnormally fine-fuel loads from non-native species.</p> <p>Implement habitat restoration where needed (cattle exclosures, weed treatments)</p> <p>Monitor populations of these species annually.</p>	
<p>Goal: Provide for the use of a designated system of Ground Transportation Linear Features to ensure access to the public for appropriate uses.</p> <p>Action:</p> <ul style="list-style-type: none"> • All legal open roads and trails will be signed including road or trail number/name. All roads and trails identified as closed will be rehabilitated/restored. • Restore all undesignated roads or trails. • Provide routine maintenance of the designated roads and trails system including installation of routine signs, markers, culverts, ditches, water bars, barriers, gates, or cattle guards on/or adjacent to system roads and trails. 	<p>Trails and Travel Management</p>
<p>Goal: Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities and to ensure public health and safety;</p> <p>Action:</p> <ul style="list-style-type: none"> • Provide interpretive, directional, and regulatory signs and materials as necessary to provide public information and reduce impacts from recreational use. • Allow stopping and parking within 25 feet, and camping within 100 feet of designated routes. • Manage recreational shooting consistent with state and local laws. • Allow SRP events which do not negatively affect ACEC Relevance and Importance Values. • Issuance of Special Recreation Permits for day use or overnight use up to 14 consecutive nights; that impact no more than 3 staging area acres; and/or for recreational travel along roads and trails designated open in the land use or accompanying activity level plans. • Develop a management plan for Clark Mountain Campground. • Prohibit the cutting of firewood and burning of down and dead 	<p>Recreation</p>

vegetation at the Clark Mountain Campground.	
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 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. Management Action 2: Limit linear ROWs to existing transmission corridors.	Rights of Way
Closed to renewable energy 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.	Renewable Energy
Numerous patented mining claims, no current large-scale mining operations in operation. PO required for mining. Limit saleable and leaseable minerals actions to those that do not conflict	Locatable Minerals Mineral Materials Non-energy Leasables
Manage to minimize impacts to soils, water, and vegetation. Complete the permanent removal of livestock as mitigation using Public Law 112-74. Refer to Clark Mountain Allotment. A part of this ACEC is within the Clark Mountain 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. Approximately half of this allotment was recently relinquished under Public Law 112-74.	Livestock grazing
Objective: Reduce conflicts between cultural and wildlife resources Action: Eliminate or substantially reduce the area's burro population per the earlier burro management plan	Wild Horses and Burros



Conservation Footprint

Legislatively & Legally Protected Areas

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

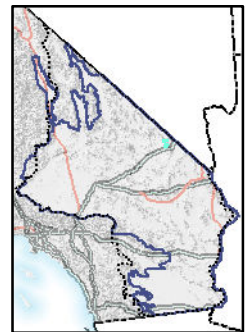
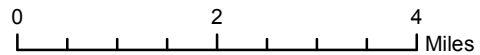
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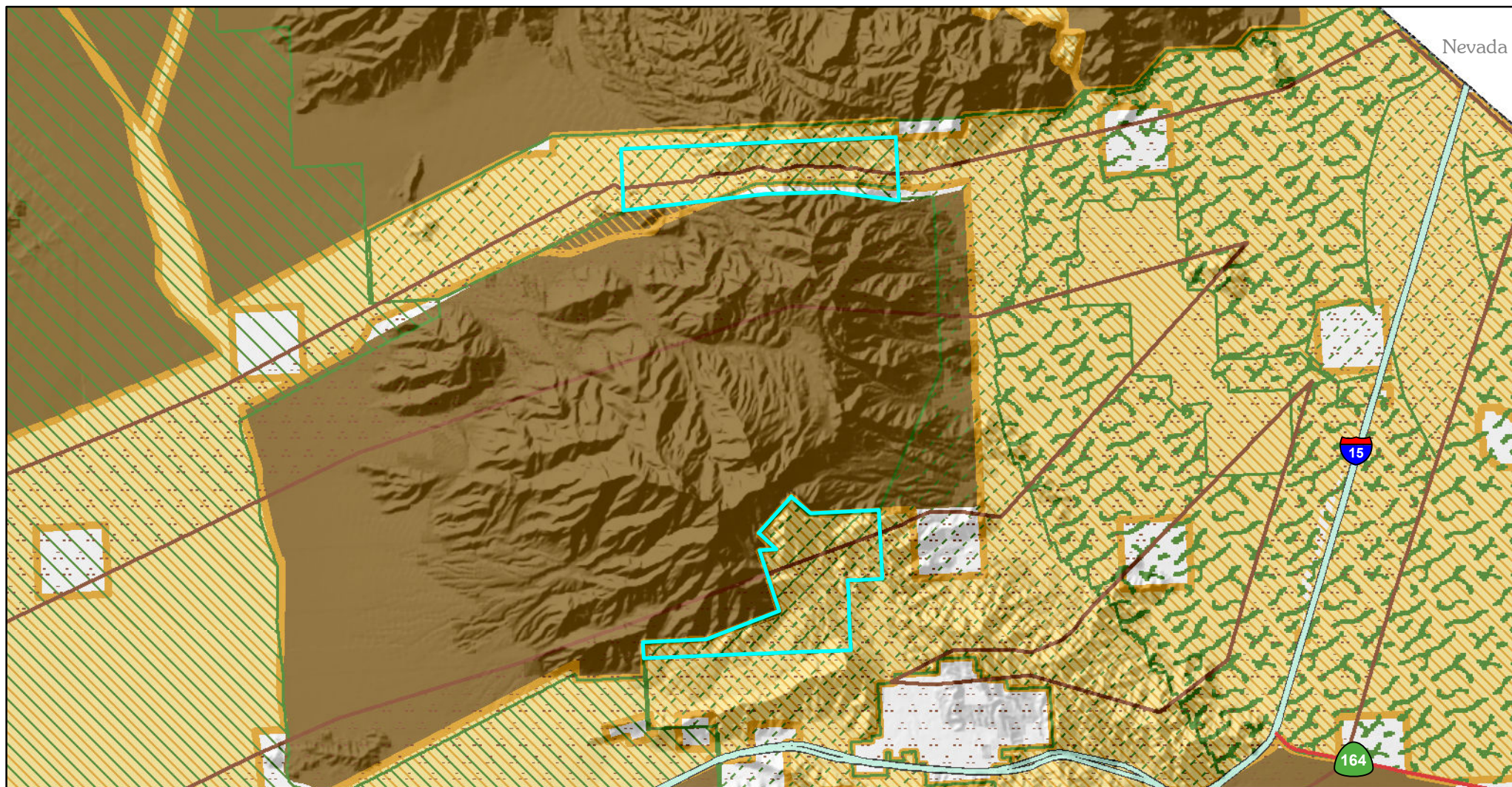
Bureau of Land Management

**Clark Mountain
Alternative 1**

8/25/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

Legislatively & Legally Protected Areas

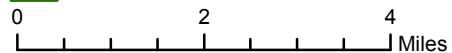
National Conservation Lands

ACEC Boundaries

0.1% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap



DRECP Boundary

CDCA Boundary

Transmission Corridor

Land Status

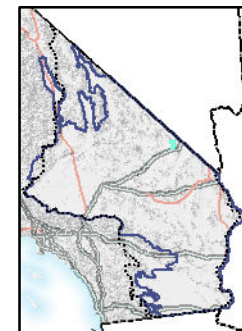
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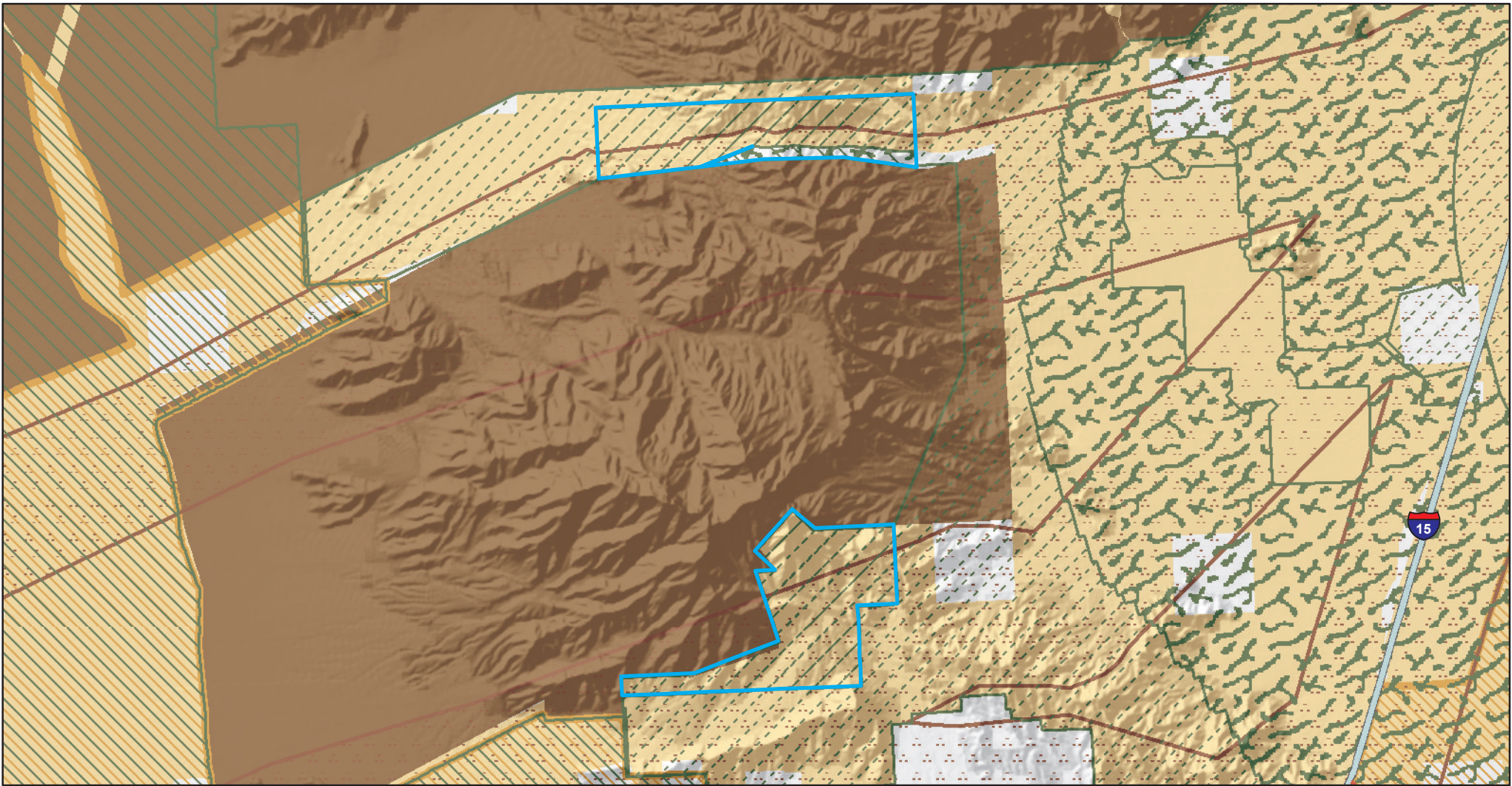
Clark Mountain

Alternative 2



8/26/2015




Draft Map Boundaries Subject to Change

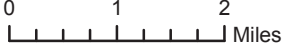








Conservation Footprint

-  Legislatively & Legally Protected Areas
-  National Conservation Lands

- ACEC Boundaries**
-  0.1% Disturbance Cap
 -  0.5% Disturbance Cap
 -  1% Disturbance Cap



-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

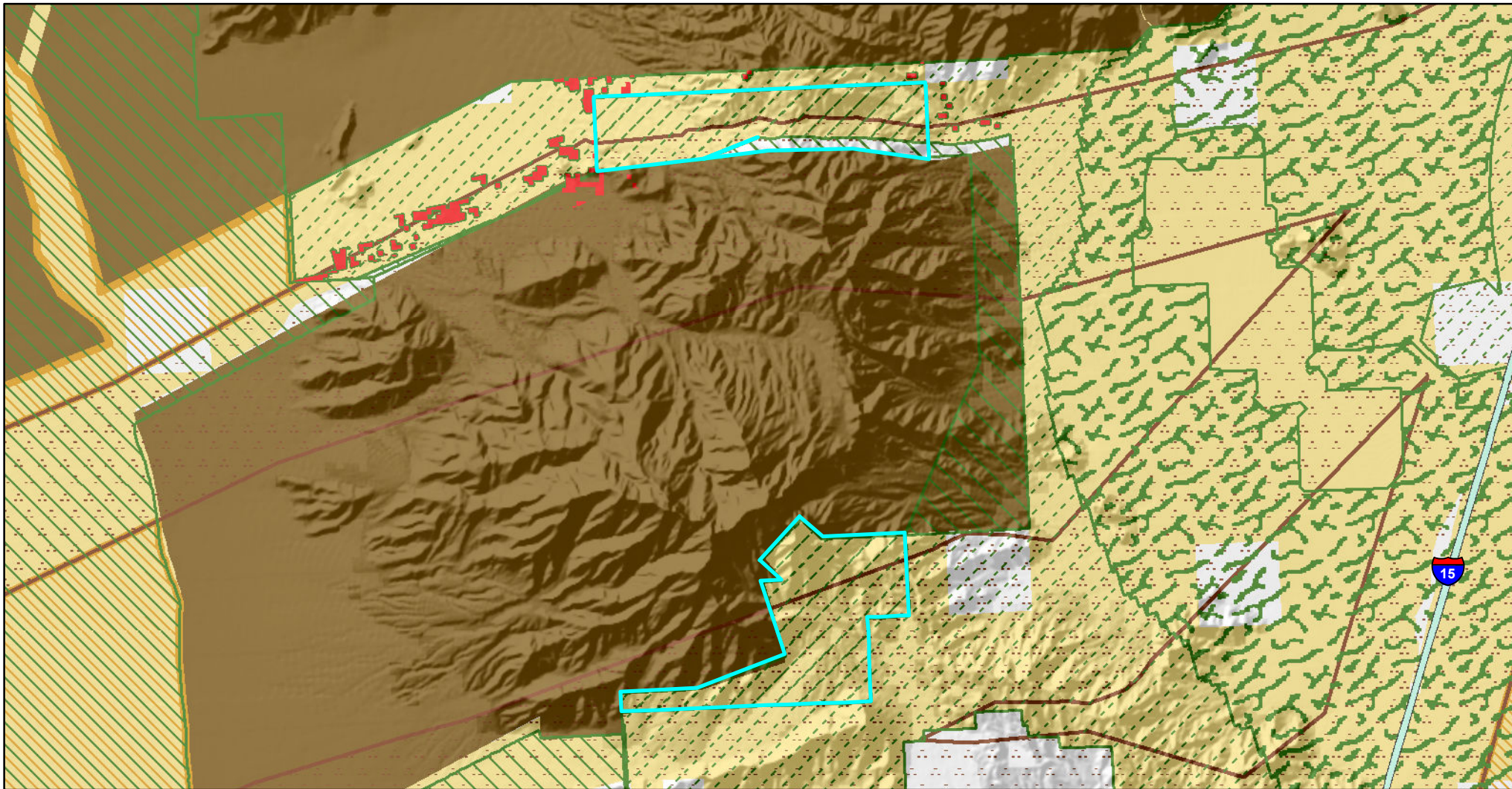
- Land Status**
-  Bureau of Land Management

**Clark Mountain
Alternative 3**

8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

National Conservation Lands

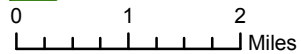
Legislatively & Legally Protected Areas

ACEC Boundaries

0.1% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap



DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Variance Lands

Land Status

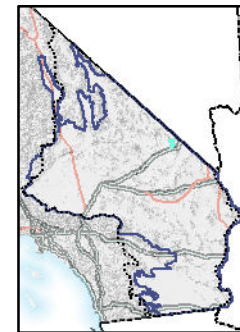
Bureau of Land Management

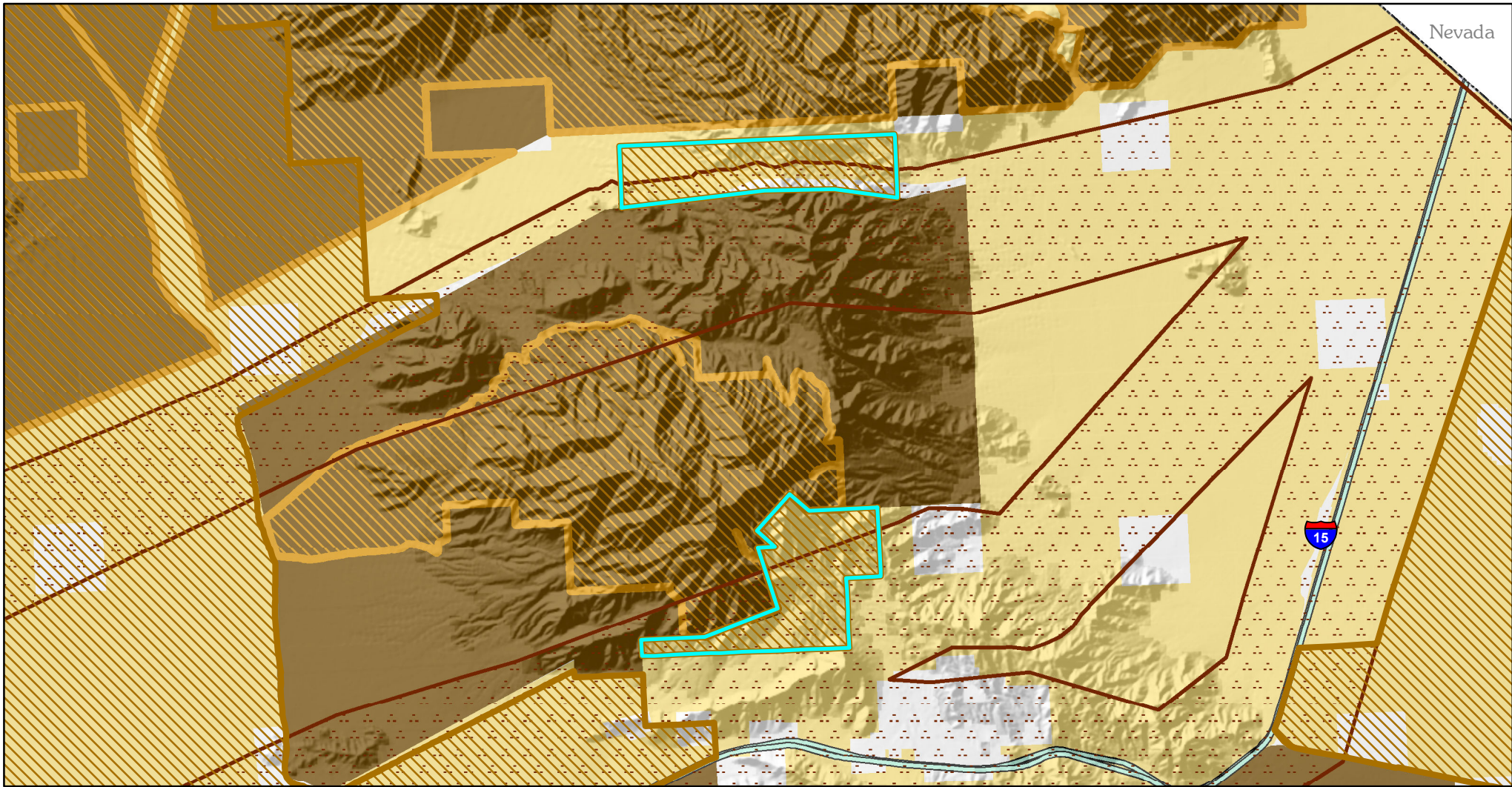
Clark Mountain

Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

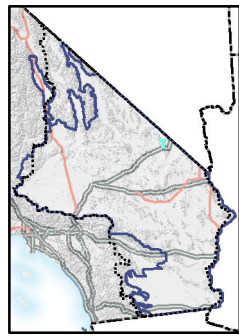
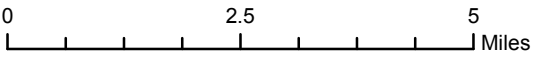
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|-----------------------|---|---------------------------|
| Existing ACEC | National Conservation Lands | Land Status |
| Transmission Corridor | Legislatively & Legally Protected Areas | Bureau of Land Management |
| CDCA Boundary | | |
| DRECP Boundary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

Clark Mountain

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Halloran Wash

National Conservation Lands Ecoregion: Kingston-Amargosa

Description/Location: Halloran Wash is located approximately 15 miles east of Baker, California, between Halloran Springs and Halloran Summit off-ramps.

Nationally Significant Values:

Halloran Wash is located within a large mesa gorge; the walls of the gorge are highly oxidized dark reds and browns giving the area a striking contrast to the dense vegetation of the area.

Ecological: This high-quality desert habitat in this location is due to the higher elevation and annual snowfall, as such an extremely dense population of Joshua Tree (*Yucca brevifolia*), and Mojave Yucca (*Yucca schidigera*).

Numerous springs within the area supports desert bighorn sheep, deer, mountain lion, and dense bird populations.

Cultural: Over 4,000 years of native America habitation has occurred throughout the area due to the abundance of food, water and shelter.

Scientific: The area is important to understanding the patterns of prehistoric use, migration, and settlement. ACEC Plan No. 29 discusses the problems validating the cultural affinity of above mentioned resources and makes it clear more research is necessary to ascertain the exact nature of the archaeological complex associated with the Halloran Wash.

Special Designations/Management Plan/Date : ACEC Plan No. 29, August 1989

Relevance and Importance Criteria:

As stated by CDCA 1980, Halloran Wash contained relevant cultural resources values such as rock art, prehistoric turquoise mines, and known Anasazi occupation sites which are susceptible to utility development, potential mining, vandalism, and recreation activities.

Recreation Area: This unit overlaps with Shadow Valley ERMA.

Overarching Goals: Protect a variety of prehistoric cultural resources values.

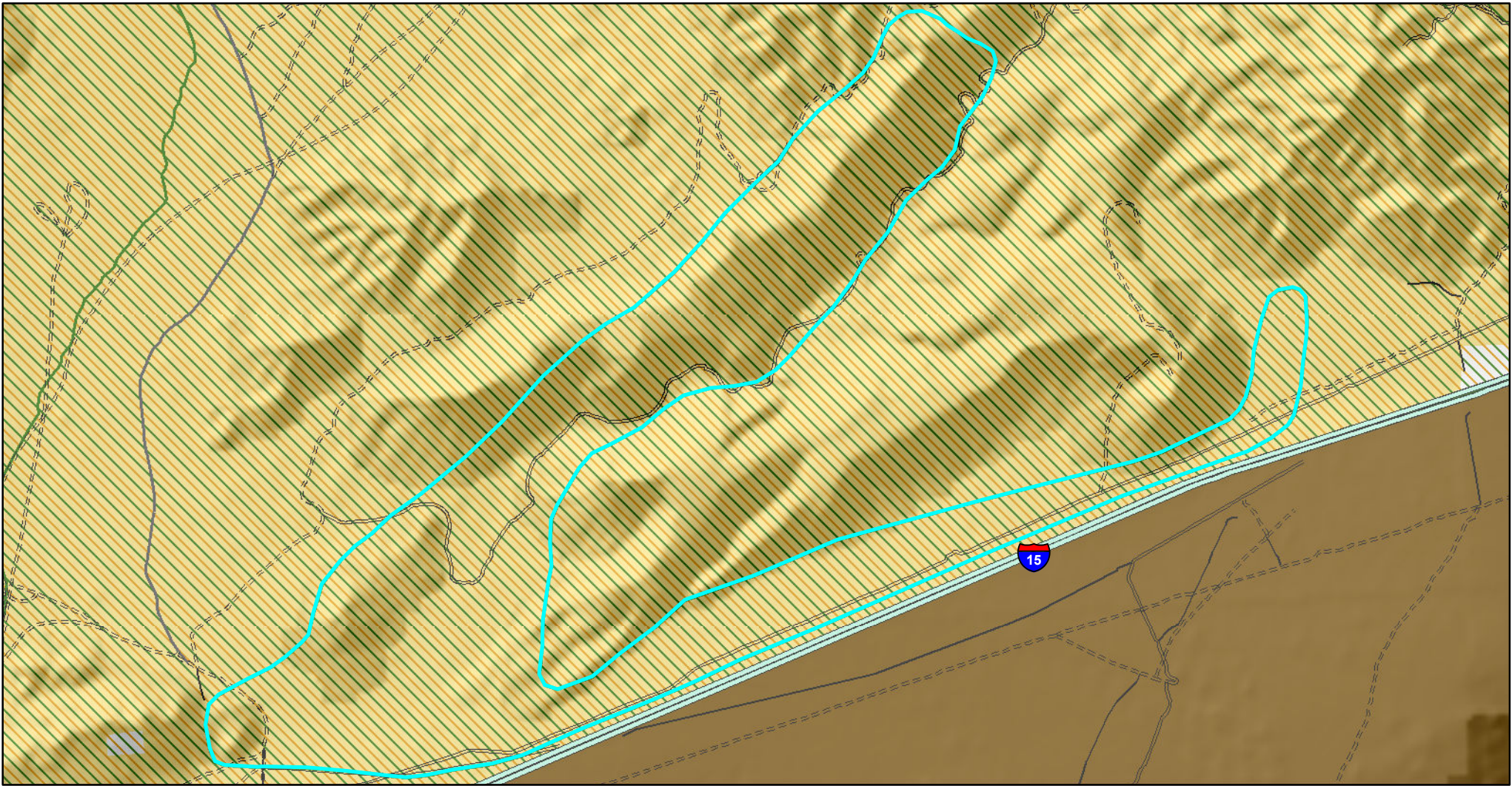
Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), 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	1,700	0	NA
Preferred Alternative	1,744	1,744	0	0.5%
1	0	1,700	0	1%
2	1,700	1,700	0	0.5%
3	1,700	1,700	0	0.5%
4	0	1,700	0	0.5%
* Acreage values are for BLM managed lands				
Objectives (desired future condition)/Allowable Uses/Management Actions			Resource	
Maintain proper functioning condition of soils and vegetation. Limit OHV use to designated routes per NECO plan.			Soil, water, air	
Maintain and protect characteristic vegetation communities. Monitor populations and control fire.			Vegetation (incl. special status species)	
Monitor and maintain populations of special status species, game animals, and other characteristic species.			Fish and Wildlife (incl. special status species)	
<p>Objective: Determine if the designation of the ACEC for cultural resources is warranted.</p> <p>Action Item 1: Conduct archaeological studies to determine the archaeological potential of the area.</p> <p>Objective: General Management of Cultural Resources</p> <p>Action Item 1: Ensure that management of cultural resources within the ACEC are consistent with agency responsibilities provided in Section 110 of the National Historic Preservation Act (NHPA).</p> <p>Action Item 2: Ensure that federal actions that may affect historic properties within the ACEC are properly reviewed and considered consistent with the requirements of Section 106 of the NHPA.</p> <p>Action Item 3: Ensure confidentiality of information about sensitive cultural resources consistent with Section 304 of the NHPA and Section 9 of the Archaeological Resources Protection Act.</p> <p>Objective: Establish Baseline Resource Information/Identify and Document Cultural Resources</p> <p>Action Item 1: Survey, identify and record new cultural resources within the ACEC boundaries.</p>			Cultural Resources	

<p>Action Item 2: Update records for existing cultural resources within the ACEC. Action Item 3: Integrate survey information into BLM cultural resources management systems (cultural GIS geodatabase)</p> <p>Objective: Identify Threats to Cultural Resources Action Item 1: Develop baseline assessment of specific natural and man-made threats to cultural resources in the ACEC (i.e., erosion, looting and vandalism, grazing, OHV).</p> <p>Objective: Monitoring/Protective Measures Action Item 1: Provide on-going monitoring for cultural resources based on the threat assessment. Action Item 2: Identify, develop or incorporate standard protection measures and best management practices to address threats. Action Item 3: Where specific threats are identified, implement protection measures consistent with agency Section 106 responsibilities. Action item 4: Install cable fencing and signage to deter OHV use off of designated routes.</p> <p>Objective: Interpretation/Public Awareness Action Item 1: Facilitate research, scientific study, and general study of cultural resources within the ACEC. Action Item 2: Where appropriate and with consideration of site protection and confidentiality, develop and provide interpretation to the public about cultural resources, including signs, interpretive panels, web-based information.</p>	
<p>Objective: Give priority to protecting viewsheds and cultural landscapes from designated access roads. Management Actions: Manage to VRM standards per LUP.</p>	Visual Resources
<p>Objective: Protect sensitive species and habitat, and cultural sites. Provide for the use of a designated system of Ground Transportation Linear Features to ensure access to the public for appropriate uses. Action:</p> <ul style="list-style-type: none"> • All legal open roads and trails will be signed including road or trail number/name. • All roads and trails identified as closed will be rehabilitated/restored. • Restore all undesignated roads or trails. • Provide routine maintenance of the designated roads and trails system including installation of routine signs, markers, culverts, ditches, water bars, barriers, gates, or cattle guards on/or adjacent to system roads and trails. 	Trails and Travel Management
<p>Objective: Protect sensitive species and habitat, and cultural sites. Goal: Area would be managed within the Shadow Valley ERMA. Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities and to ensure public health and safety;</p>	Recreation

<p>Action:</p> <ul style="list-style-type: none"> • Provide interpretive, directional, and regulatory signs and materials as necessary to provide public information and reduce impacts from recreational use. • Allow stopping and parking within 25 feet, and camping within 100 feet of designated routes. • Manage recreational shooting consistent with state and local laws. • Allow SRP events which do not negatively affect RNA Relevance and Importance Values. • Issuance of Special Recreation Permits for day use or overnight use up to 14 consecutive nights; that impact no more than 3 staging area acres; and/or for recreational travel along roads and trails designated open in the land use or accompanying activity level plans. <p>The area is utilized heavily by backcountry travelers seeking out isolated locations with easy access for camping and hunting opportunities. In addition it is also heavily utilized by back country horsemen due to the availability of water, and access point to vehicle horses.</p>	
<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 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. Management Action 2: Limit linear ROWs to designated corridors.</p>	Rights of Way
<p>Closed to renewable energy development 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
<p>The area is open to entry for locatable minerals, with a Plan of Operation. Saleable and leasable minerals would be considered if proposals do not impact ACEC values.</p>	Locatable Minerals Mineral Materials Non-energy Leasables
<p>Utility Corridor BB incorporates most of the ACEC. This ACEC lies entirely within the Shadow Valley ACEC.</p>	Overlapping land designations



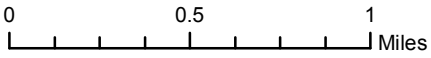
Conservation Footprint

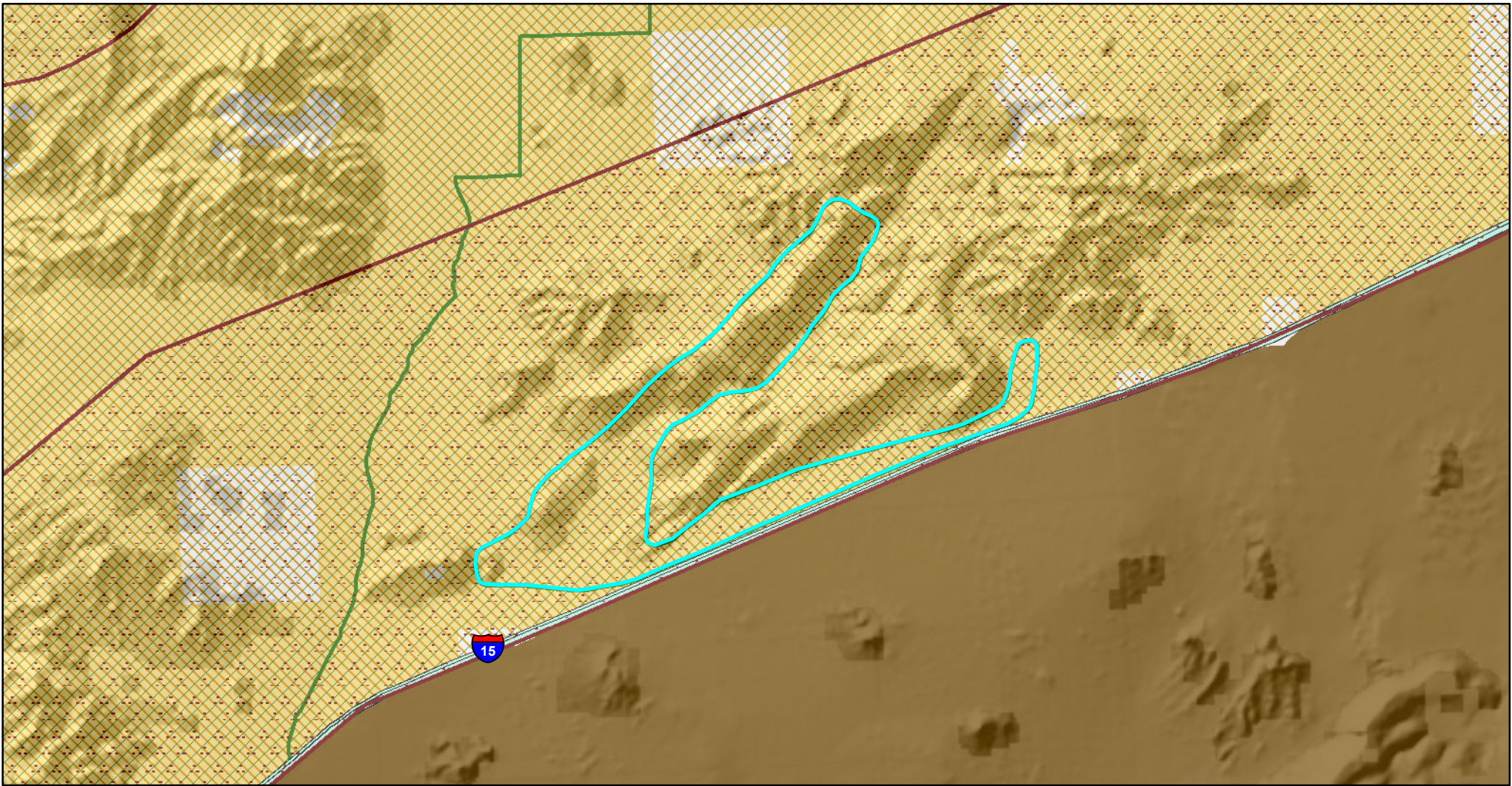
- Legislatively & Legally Protected Areas
- National Conservation Lands
- ACEC Boundaries
- 0.5% Disturbance Cap
- DRECP Boundary
- CDCA Boundary
- Bureau of Land Management
- Land Status**

Halloran Wash








6/24/2015

Draft Map Boundaries Subject to Change





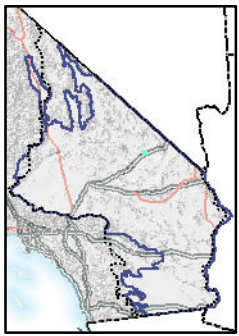
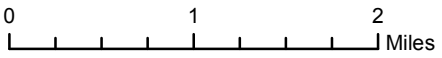
Conservation Footprint

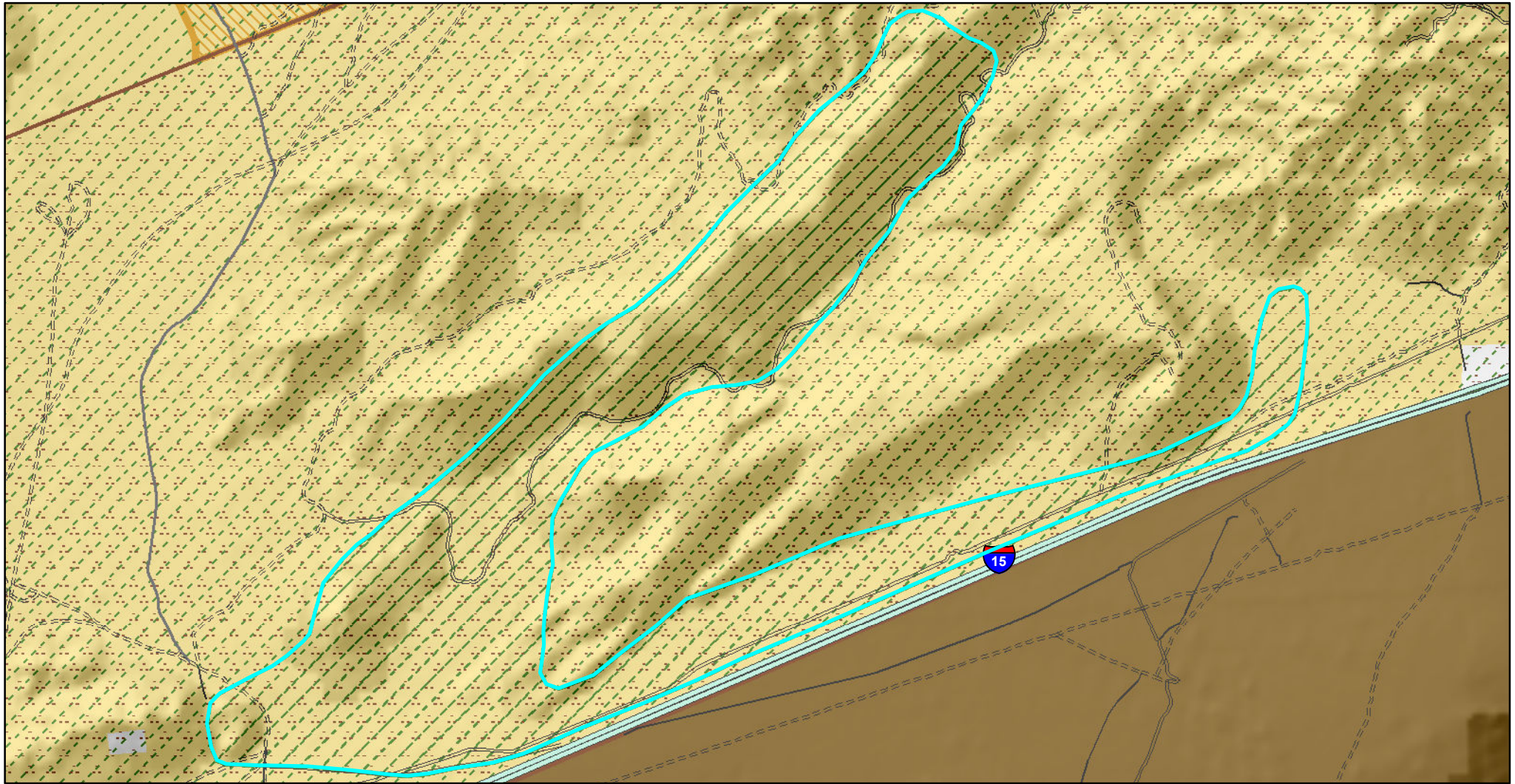
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|---|---|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status |
|  National Conservation Lands |  CDCA Boundary |  Bureau of Land Management |
|  Proposed ACEC |  Transmission Corridor | |

Halloran Wash








7/14/2015

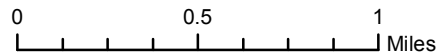
Draft Map Boundaries Subject to Change





Conservation Footprint

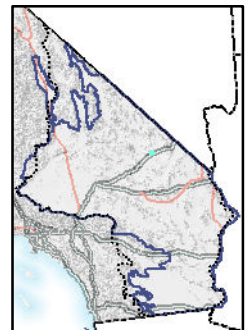
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|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status |
|  National Conservation Lands |  CDCA Boundary |  Bureau of Land Management |
| ACEC Boundaries |  Transmission Corridor | |
|  1% Disturbance Cap | | |

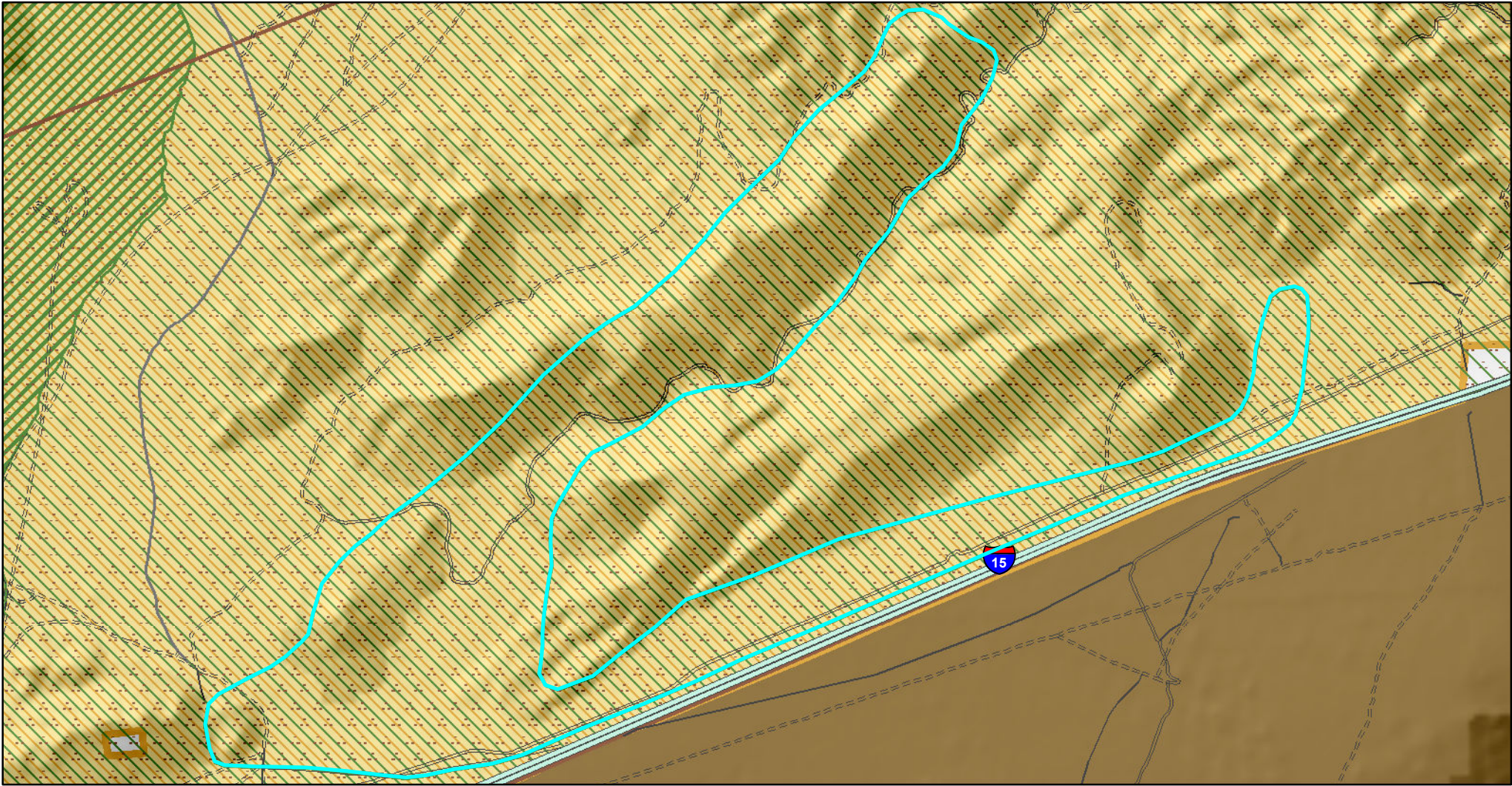


**Halloran Wash
Alternative 1**

8/25/2015

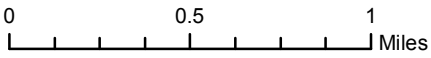
Draft Map Boundaries Subject to Change





Conservation Footprint

- | | | |
|---|-----------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | Land Status |
| National Conservation Lands | CDCA Boundary | Bureau of Land Management |
| ACEC Boundaries | Transmission Corridor | |
| 0.25% Disturbance Cap | | |
| 0.5% Disturbance Cap | | |

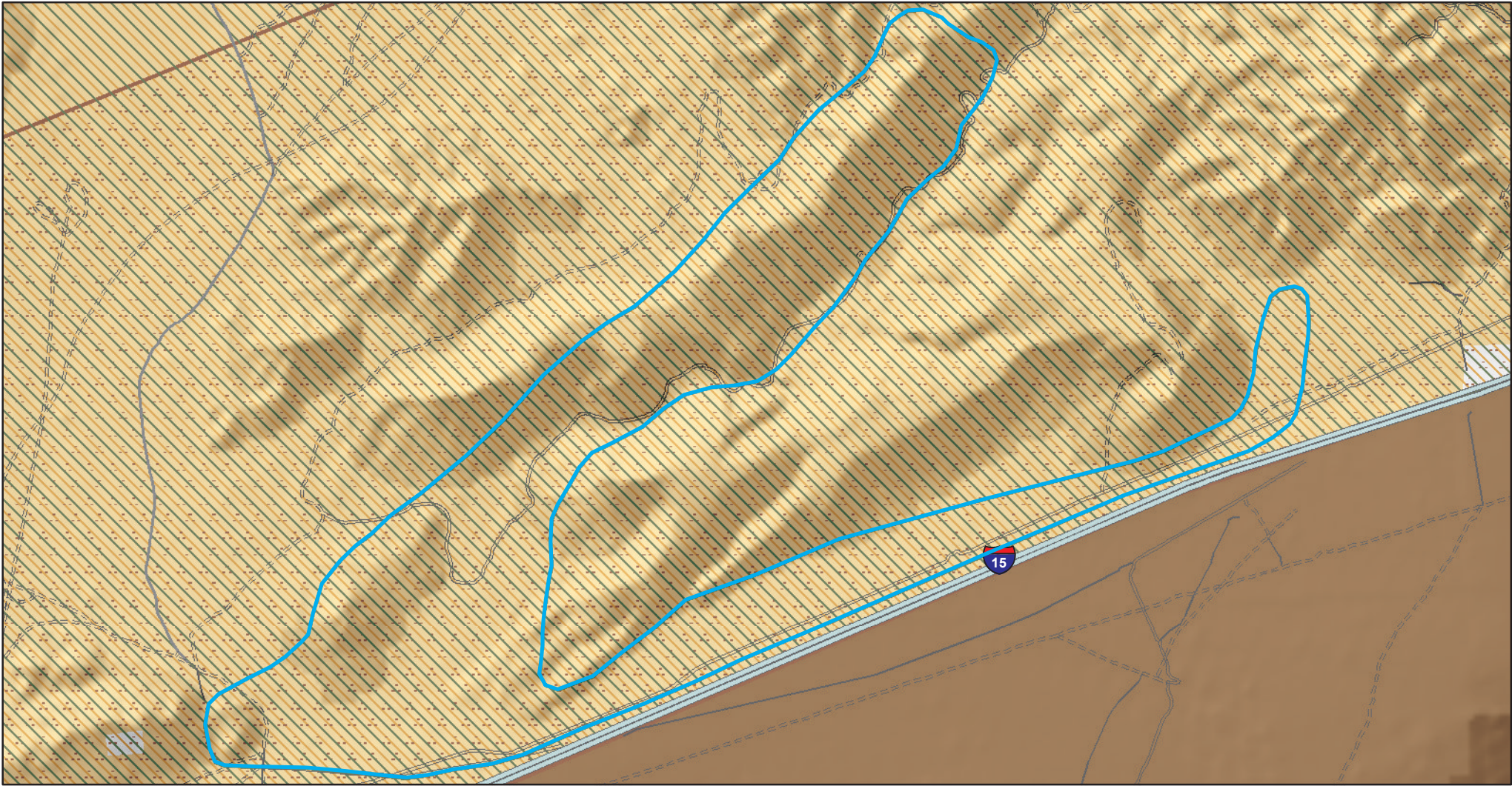


**Halloran Wash
Alternative 2**








8/26/2015

Draft Map Boundaries Subject to Change





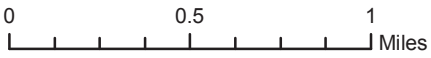
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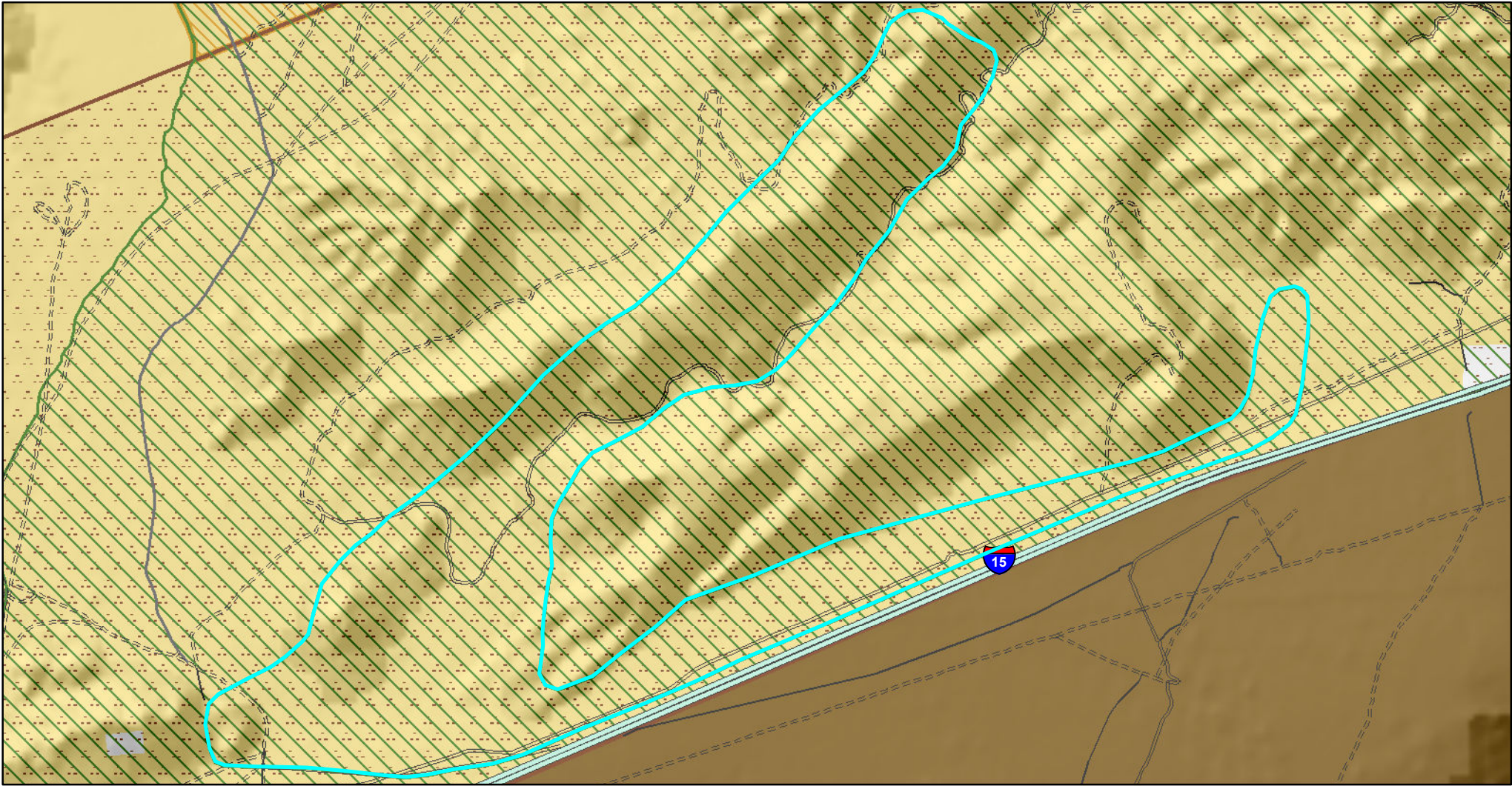
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|---|---|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status |
|  National Conservation Lands |  CDCA Boundary |  Bureau of Land Management |
| ACEC Boundaries |  Transmission Corridor | |
|  0.5% Disturbance Cap | | |

**Halloran Wash
Alternative 3**


8/26/2015


Draft Map Boundaries Subject to Change






Conservation Footprint

 National Conservation Lands

 Legislatively & Legally Protected Areas

ACEC Boundaries

 0.5% Disturbance Cap

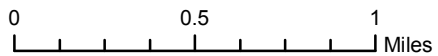
 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

Land Status

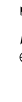
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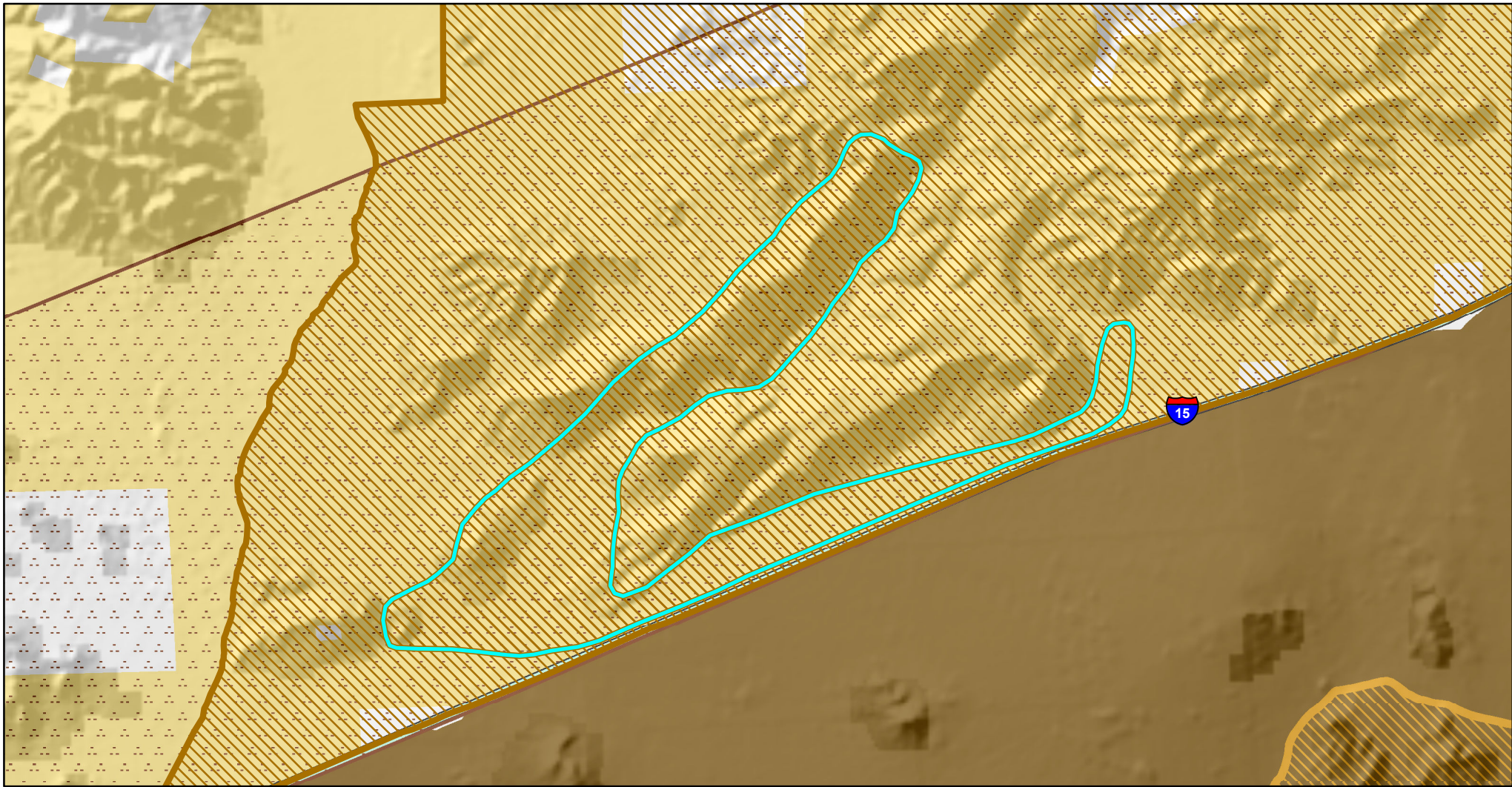


**Halloran Wash
Alternative 4**








8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

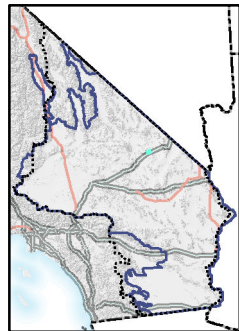
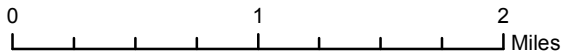
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|---|---|---|
|  Existing ACEC |  National Conservation Lands | Land Status |
|  Transmission Corridor |  Legislatively & Legally Protected Areas |  Bureau of Land Management |
|  CDCA Boundary | | |
|  DRECP Boundary | | |

Halloran Wash

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Ivanpah

National Conservation Lands Ecoregion: Kingston-Amargosa

Description/Location : Located within the Ivanpah Valley, east of the Mojave National Preserve, southwest of the California-Nevada border. The original ACEC was bounded on the northwest by Interstate 15. The expanded boundary encompasses areas north of Interstate 15 and is bounded on the north and west by Mojave National Preserve Clark Mountain Unit with the eastern boundary remains the California-Nevada border. Two sections of the Clark Mountain ACEC will be added to the Ivanpah Expansion Area.

Nationally Significant Values:

The Ivanpah Valley is a dry lake valley with Creosote shrub dominating the landscape. It is a highly rich ecosystem with a high density of Desert tortoise (*Gopherus agassizii*) The 2002 Northern and Eastern Mojave Desert plan designated the original Ivanpah Valley Tortoise Management Area which provides Desert tortoise habitat and encompassed designated desert tortoise critical habitat. This area provides critical tortoise habitat linkage between the Mojave National Preserve and land managed by the Las Vegas BLM Field Office.

Ecological:

The area provide habitat and supports important populations of several BLM sensitive plants, including San Bernardino milk-vetch (*Astragalus bernardinus*), polished blazing star (*Mentzelia polita*), and Rusby's desert-mallow (*Sphaeralcea rusbyi* var. *eremicola*). The area provided habitat and supports regionally important populations of desert bighorn sheep, desert tortoise, American badger, and Bendire's thrasher.

Cultural:

The shoreline of Ivanpah Dry Lake was heavily used by native American tribes and contains extensive evidence of prehistoric aboriginal occupation spanning over a period of 4000 years.

Scientific:

The area has outstanding research opportunities related to desert tortoise, species adaptations to arid environments, "island mountain" ecosystems, climate change, and ethnographic studies.

Relevance and Importance Criteria:

It is proposed that the two disjoint pieces of the Clark Mountain ACEC designation to be retired and these lands incorporated into the Ivanpah ACEC for more cohesive management.

The Clark Mountains, Kingston Range, Mesquite and North Mesquite Mountains are high elevation desert ranges often referred to as "islands" due to the fact that prehistoric to recent native Americans had to travel across vast spaces to reach these ecosystems which were rich in habitat, which could provide water, game, vegetation in large abundance.

Recreation Area: This unit overlaps with Ivanpah Valley SRMA and Shadow Valley ERMA.

Grazing Allotment: This unit overlaps with Clark Mountain, Jean Lake, Kessler Springs, and Valley View Allotments.

Overarching Goals: Manage area in accordance with the Desert Tortoise Recovery Plan. Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public uses. Provide protection and special management attention for sensitive

cultural resources that will enhance their status and condition while providing for uses that are compatible with the protection and enhancement of sensitive 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.

Special Designations/Management Plan/Date: NEMO Plan Amendment 2002

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	35,000	0	NA
Preferred Alternative	32,023	78,320	0	0.10%, 1%
1	0	91,300	0	1%
2	91,300	91,300	0	0.10%, 1%
3	34,968	88,947	0	0.10%, 1%
4	34,000	91,000	0	0.10%, 1%

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

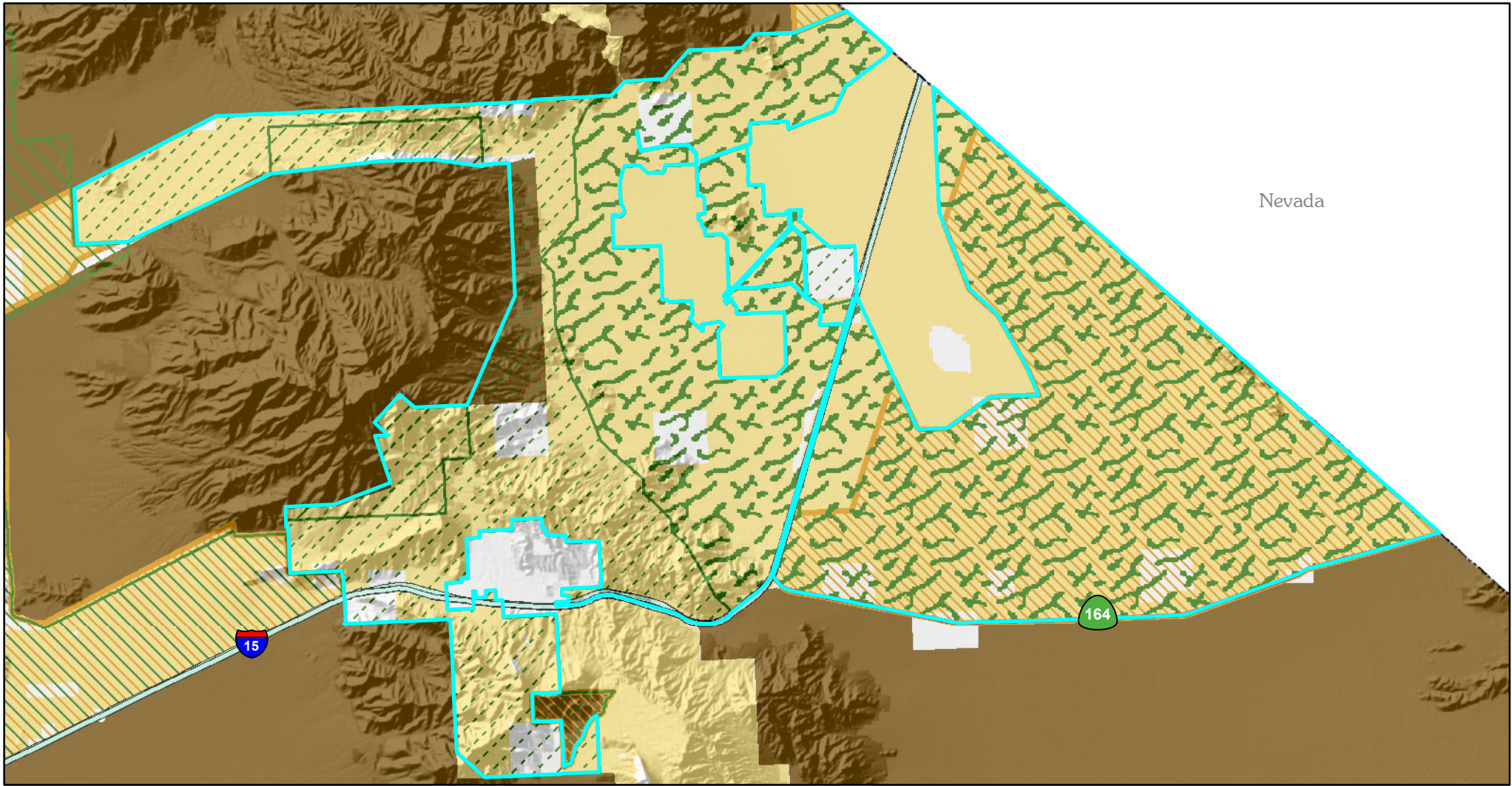
ALL Action Alternatives - The Ivanpah SRMA encompassing dry lake bed and shoreline will be excluded from ACEC, the ACEC will be expanded across Interstate 15. In the expanded area, the ISEGS Solar Project, Stateline Solar project, and CalTrans Joint Point of Entry are excluded from this designation. The expansion will include the two units of Clark Mountain ACEC that remain under BLM administration. The Clark Mountain designation will be removed and these areas will be incorporated in the Ivanpah ACEC.

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
Objective: Retain existing flow regime and volume in upland areas	Soil, water, air
Action: Secure Federal Reserve Water Right	

<p>Rare Plants: Small-flowered androstephium (<i>Androstephium breviflorum</i>) [CNPS 2.2] Borrego milk-vetch (<i>Astragalus lentiginosus</i> var. <i>borreganus</i>) [CNPS 4.3] Harwood’s eriastrum (<i>Eriastrum harwoodii</i>) [CNPS 1B.2] – BLM Sensitive Species Parish’s club-cholla (<i>Grusonia parishii</i>) [CNPS 2.2] Sky-blue phacelia (<i>Phacelia coerulea</i>)[CNPS 2.3] Goodding’s phacelia (<i>Phacelia pulchella</i> var. <i>gooddingii</i>) [CNPS 2.2] Objective: Maintain or Improve condition of vegetation Action: Remove invasive plants, rehabilitate/revegetated disturbed areas. Action: Protect populations of special status plants Action: Conduct a plant survey of the ACEC</p>	<p>Vegetation (incl. special status species)</p>
<p>Special Status Species: Desert Tortoise Management Action: Management habitat for tortoise recovery.</p>	<p>Fish and Wildlife (incl. special status species)</p>
<p>Objective: General Management of Cultural Resources Action Item 1: Ensure that management of cultural resources within the ACEC are consistent with agency responsibilities provided in Section 110 of the National Historic Preservation Act (NHPA). Action Item 2: Ensure that federal actions that may affect historic properties within the ACEC are properly reviewed and considered consistent with the requirements of Section 106 of the NHPA. Action Item 3: Ensure confidentiality of information about sensitive cultural resources consistent with Section 304 of the NHPA and Section 9 of the Archaeological Resources Protection Act.</p> <p>Objective: Establish Baseline Resource Information/Identify and Document Cultural Resources Action Item 1: Survey, identify and record new cultural resources within the ACEC boundaries. Action Item 2: Update records for existing cultural resources within the ACEC. Action Item 3: Integrate survey information into BLM cultural resources management systems (cultural GIS geodatabase)</p> <p>Objective: Evaluate and Nominate Cultural Resources Action Item 1: Utilizing the eligibility criteria of the National Register of Historic Places, complete an evaluation of all cultural resources in the ACEC for eligibility either as an individual historic property or determine whether there significant resources might comprise a district. Action Item 2: Complete nominations to the National Register of Historic Places for significant historic properties.</p> <p>Objective: Identify Threats to Cultural Resources Action Item 1: Develop baseline assessment of specific natural and man-made threats to cultural resources in the ACEC (i.e., erosion, looting and vandalism,</p>	<p>Cultural Resources</p>

<p>grazing, OHV).</p> <p>Objective: Monitoring/Protective Measures Action Item 1: Provide on-going monitoring for cultural resources based on the threat assessment. Action Item 2: Identify, develop or incorporate standard protection measures and best management practices to address threats. Action Item 3: Where specific threats are identified, implement protection measures consistent with agency Section 106 responsibilities.</p> <p>Objective: Interpretation/Public Awareness Action Item 1: Facilitate research, scientific study, and general study of cultural resources within the ACEC. Action Item 2: Where appropriate and with consideration of site protection and confidentiality, develop and provide interpretation to the public about cultural resources, including signs, interpretive panels, web-based information.</p>	
<p>Goal: Provide for the use of a designated system of ground Transportation Linear Features to ensure access to the public for appropriate uses. Action:</p> <ul style="list-style-type: none"> • All legal open roads and trails will be signed including road or trail number/name. All roads and trails identified as closed will be rehabilitated/restored. • Restore all undesignated roads or trails. • Provide routine maintenance of the designated roads and trails system including installation of routine signs, markers, culverts, ditches, water bars, barriers, gates, or cattle guards on/or adjacent to system roads and trails. • All lands bordering Interstate freeways and major highways shall be fenced. 	<p>Trails and Travel Management</p>
<p>Refer to the Ivanpah Special Recreation Management Area (SRMA) write-up for detailed objectives, allocations, and management direction. Goal: Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities, and to ensure public health and safety; Action:</p> <ul style="list-style-type: none"> • Provide interpretive, directional, and regulatory signs and materials as necessary to provide public information and reduce impacts from recreational use. • Allow stopping and parking within 25 feet, and camping within 100 feet of designated routes. • Manage recreational shooting consistent with state and local laws. • Allow SRP events which do not negatively affect ACEC Relevance and Importance Values. • Issuance of Special Recreation Permits for day use or overnight use up to 14 consecutive nights; that impact no more than 3 staging area acres; 	<p>Recreation</p>

<p>and/or for recreational travel along roads and trails designated open in the land use or accompanying activity level plans.</p> <ul style="list-style-type: none"> • Develop a management plan for Clark Mountain Campground. • Prohibit the cutting of firewood and burning of down and dead vegetation at the Clark Mountain Campground. 	
<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>No development Objective: Maintain integrity of large blocks of habitat Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria Existing facilities are excepted. 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
<p>Open to mineral entry w/ stipulations.</p>	Locatable Minerals Mineral Materials Non-energy Leasables
<p>A part of this ACEC is within the Clark Mountain 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. Approximately half of this allotment was recently relinquished under Public Law 112-74.</p> <p>This ACEC is within the Jean Lake, Kessler Springs, and Valley View Allotments. These allotments are not grazed and shall be permanently retired through the DRECP process.</p>	Livestock grazing



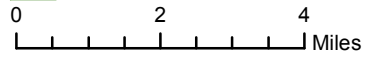
Nevada

Conservation Footprint

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

ACEC Boundaries

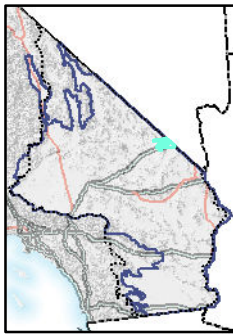
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- 0.5% Disturbance Cap
- 1% Disturbance Cap

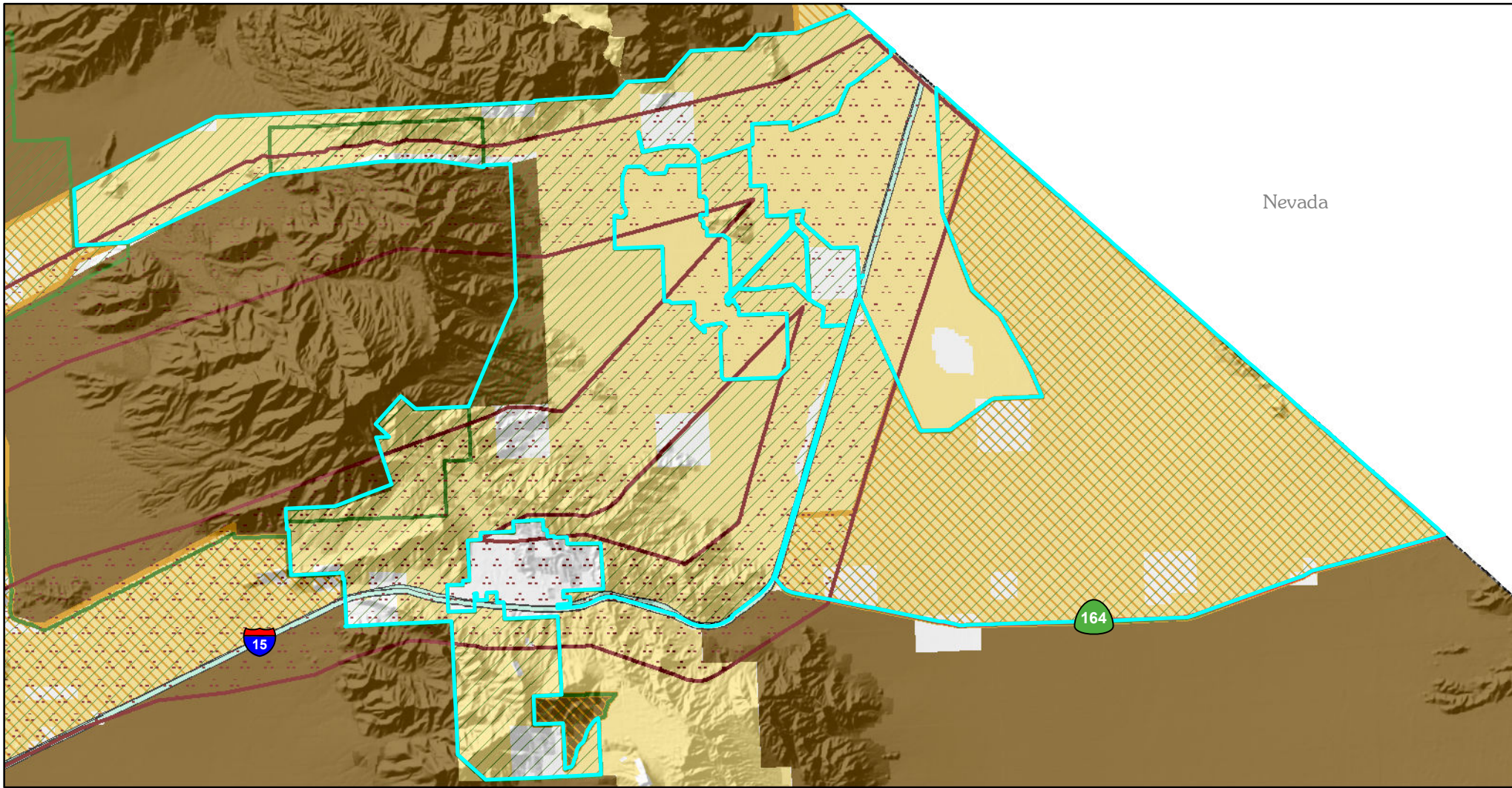


Ivanpah

6/24/2015








Draft Map Boundaries Subject to Change





Nevada

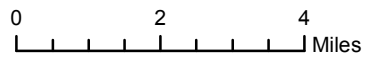
Conservation Footprint

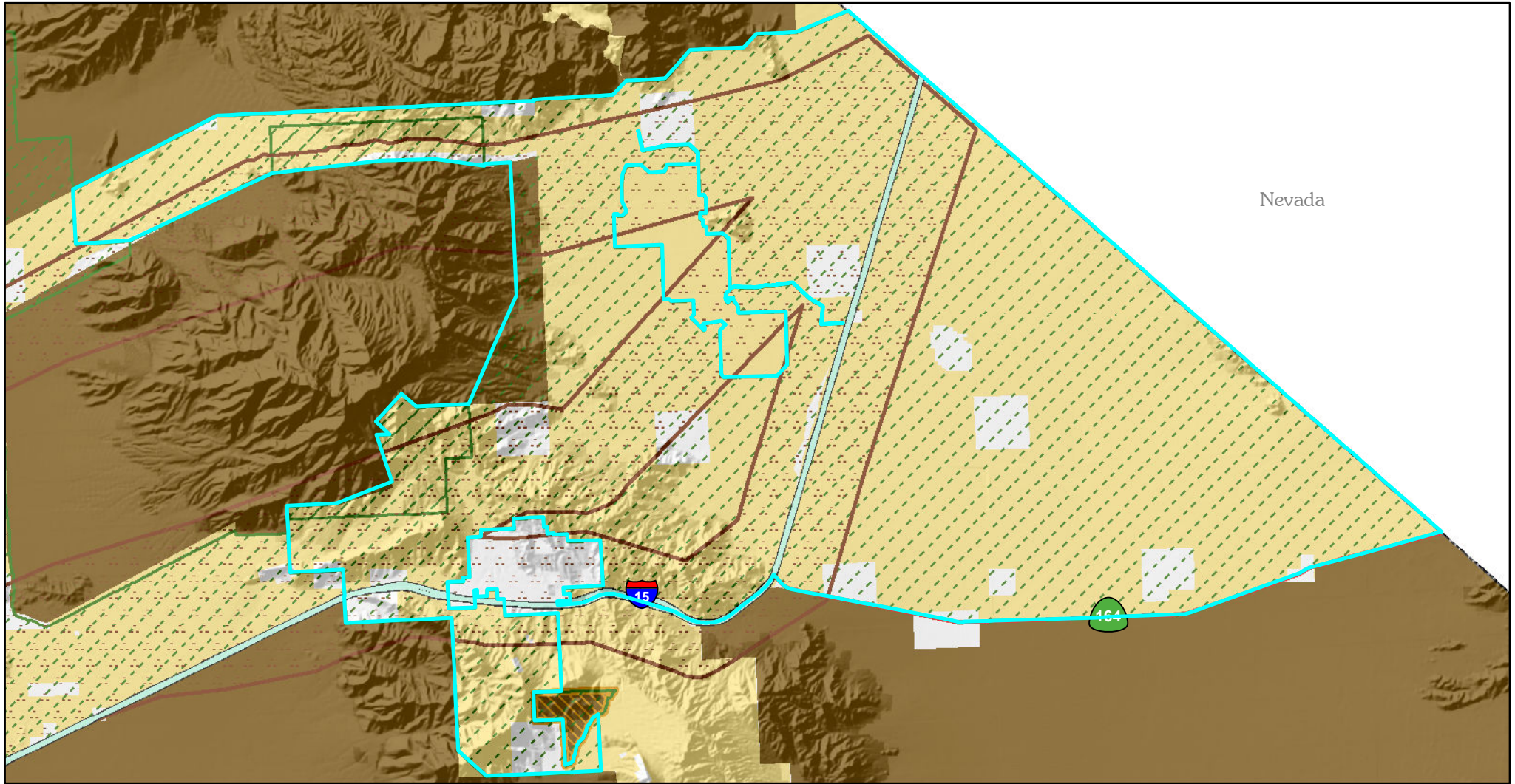
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|--|---|---|-----------------------|---|---------------------------|
|  | Legislatively & Legally Protected Areas |  | DRECP Boundary | Land Status | |
|  | National Conservation Lands |  | CDCA Boundary |  | Bureau of Land Management |
|  | Proposed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

Ivanpah

7/14/2015




Draft Map Boundaries Subject to Change









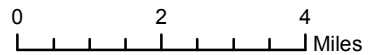
Nevada

Conservation Footprint

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

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

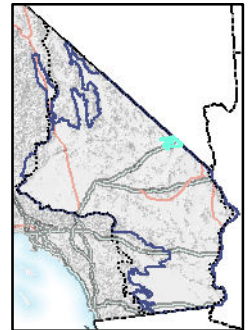
- Land Status**
-  Bureau of Land Management

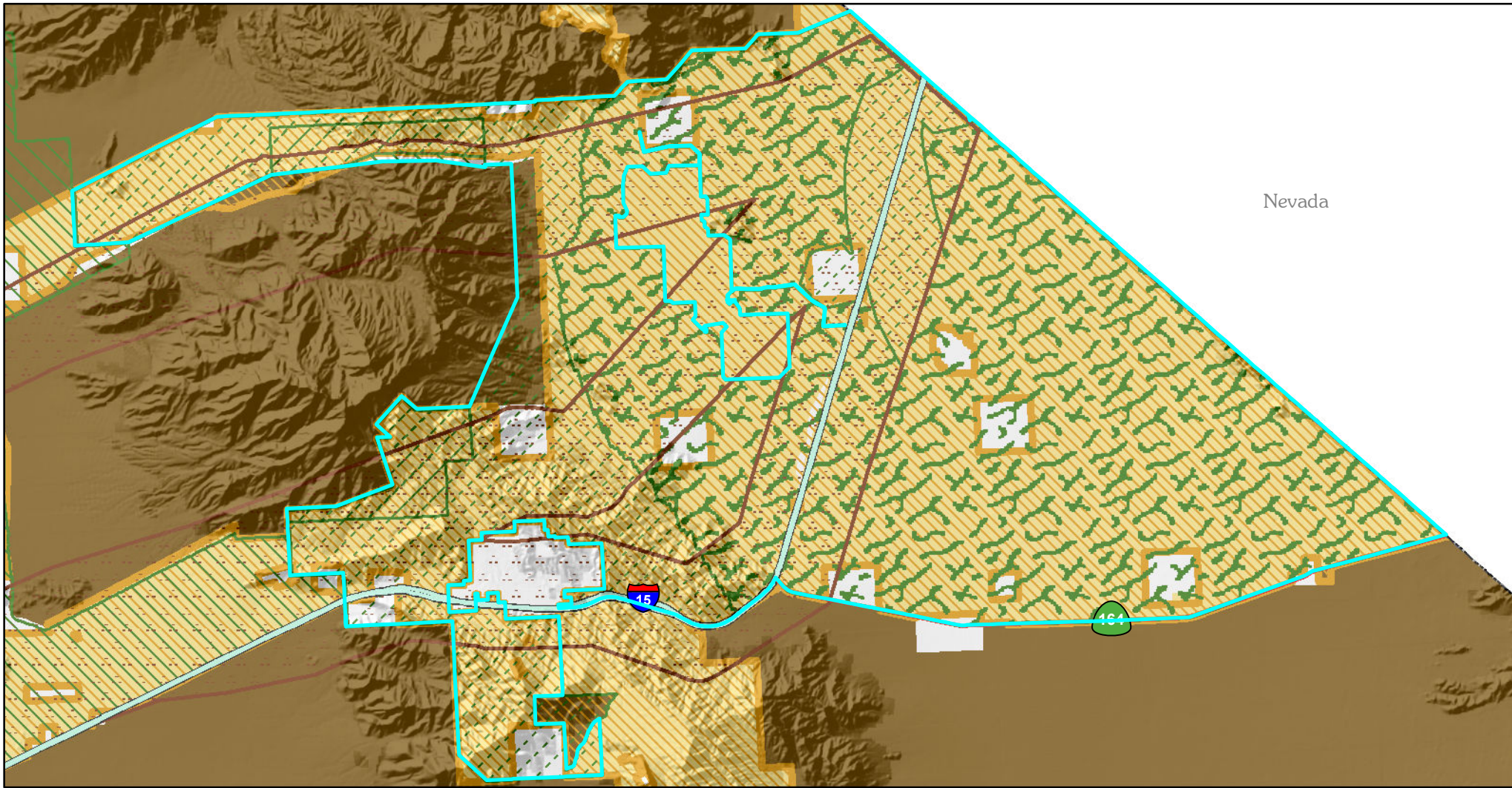


**Ivanpah
Alternative 1**

8/25/2015

Draft Map Boundaries Subject to Change





Nevada

Conservation Footprint

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

- ACEC Boundaries**
- 0.1% Disturbance Cap
 - 0.5% Disturbance Cap
 - 1% Disturbance Cap

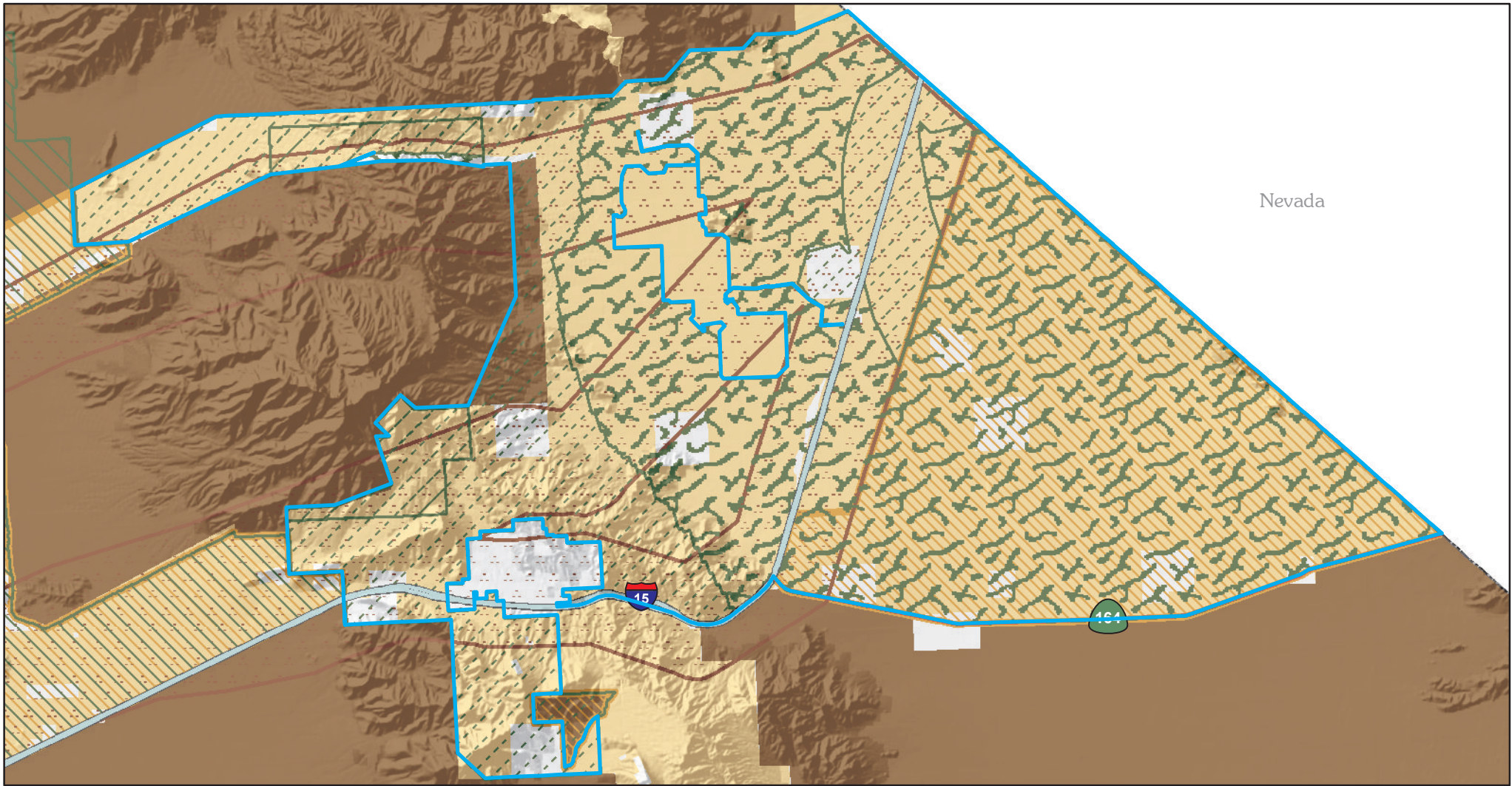


**Ivanpah
Alternative 2**

8/26/2015

Draft Map Boundaries Subject to Change

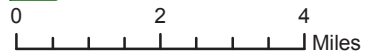




Conservation Footprint

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

- 0.1% Disturbance Cap
- 0.5% Disturbance Cap
- 1% Disturbance Cap

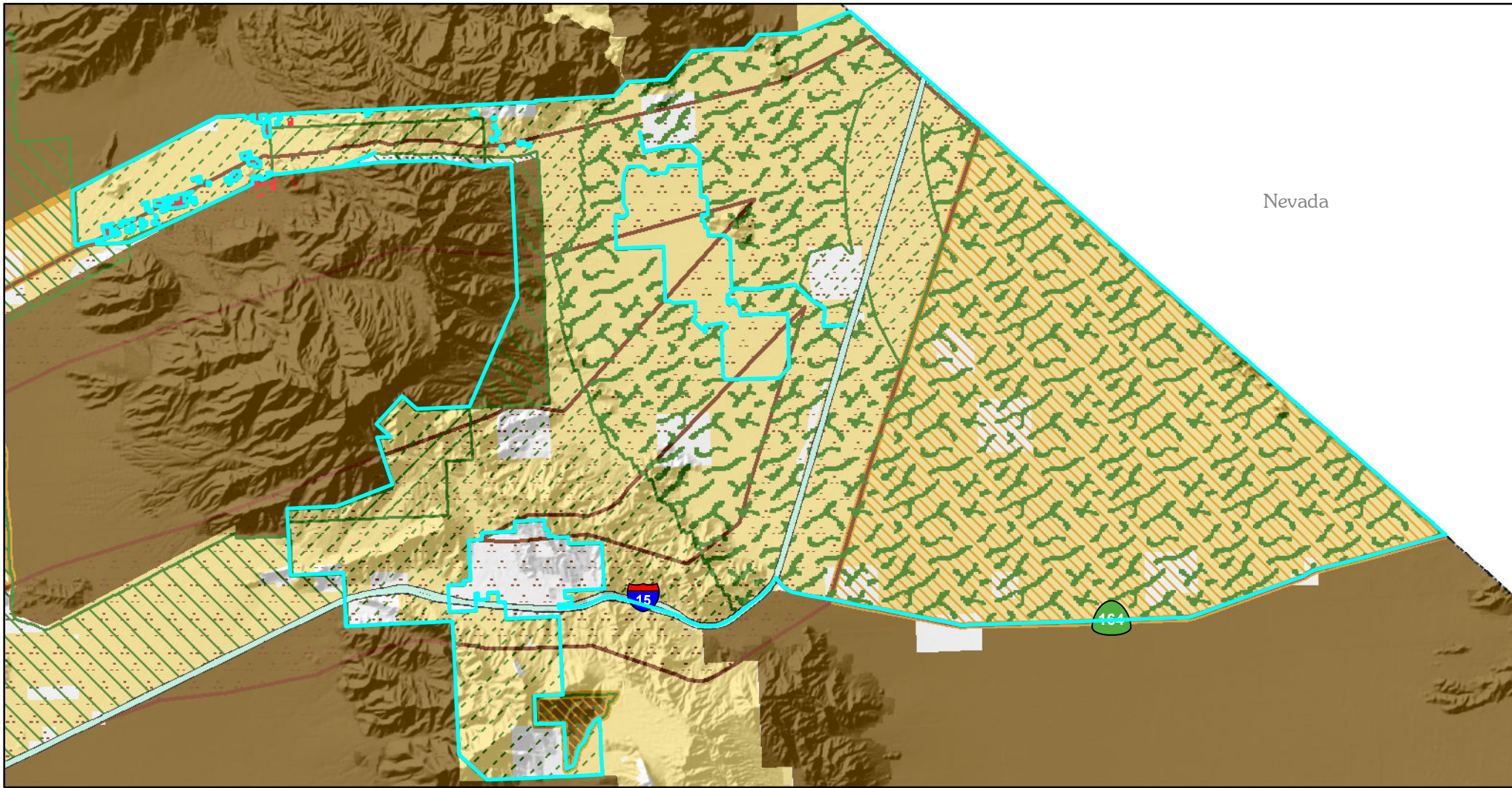


**Ivanpah
Alternative 3**

8/26/2015



Draft Map Boundaries Subject to Change








Nevada

Conservation Footprint




-  National Conservation Lands
-  Legislatively & Legally Protected Areas

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor


Land Status

-  Bureau of Land Management

ACEC Boundaries

-  0.1% Disturbance Cap
-  0.5% Disturbance Cap
-  1% Disturbance Cap

Renewable Footprint

-  Variance Lands

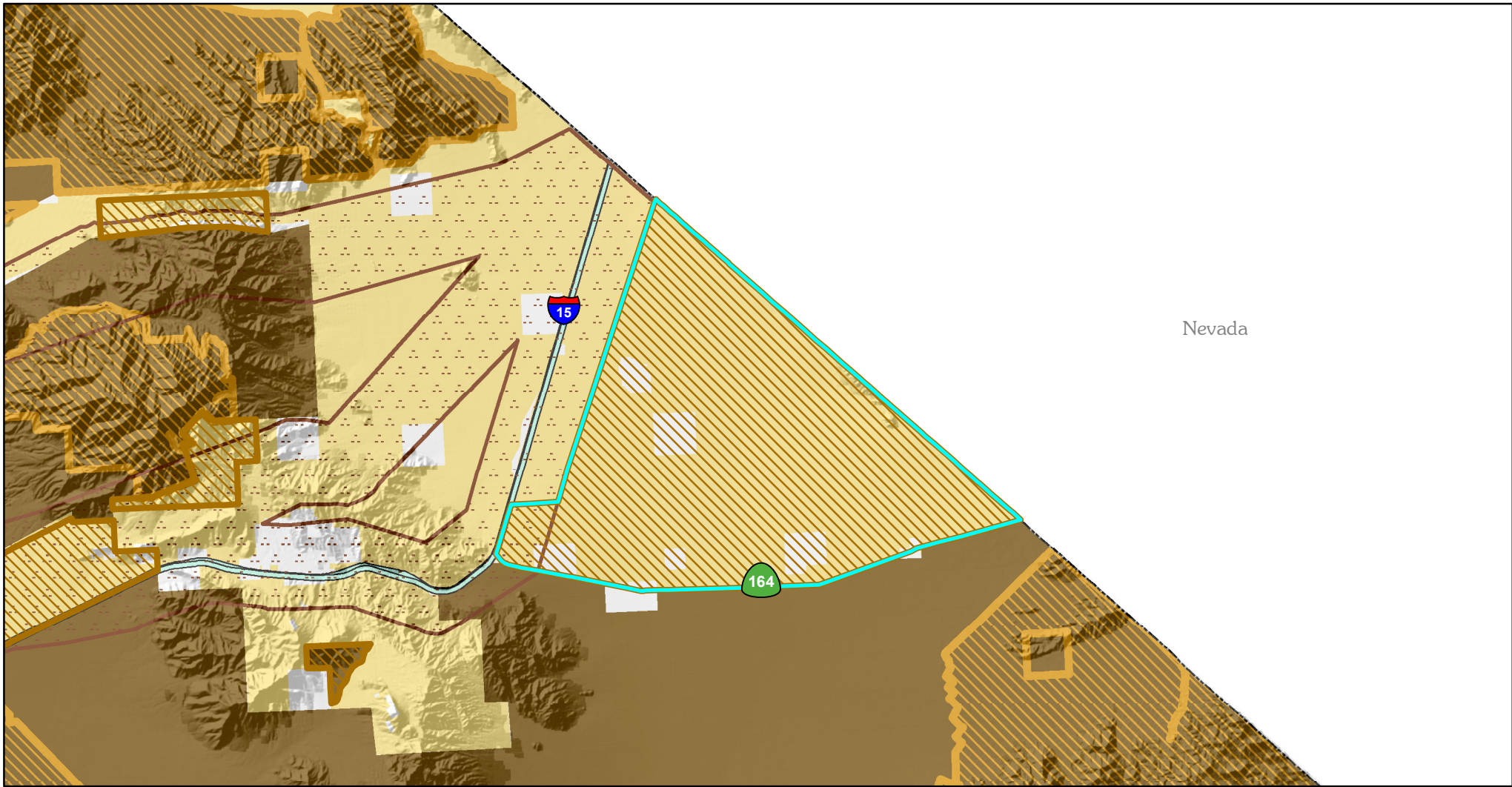


**Ivanpah
Alternative 4**

8/27/2015

Draft Map Boundaries Subject to Change





Nevada

Conservation Footprint

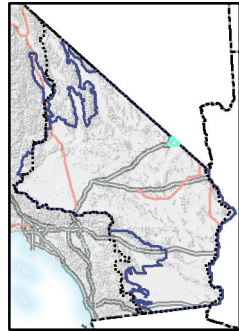
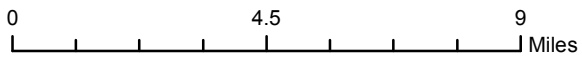
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|-----------------------|---|---------------------------|
| Existing ACEC | National Conservation Lands | Land Status |
| Transmission Corridor | Legislatively & Legally Protected Areas | Bureau of Land Management |
| CDCA Boundary | | |
| DRECP Boundary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

Ivanpah DWMA

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Kingston Range

National Conservation Lands Ecoregion: Kingston-Amargosa

Description/Location: Located in northeast San Bernardino County and southeast Inyo County in a broad zone of transition between the Mojave and Great Basin deserts.

Nationally Significant Values:

Ecological: Provides important connectivity between large habitat blocks surrounding the unit. Maintains intact landscape by connecting several large wilderness areas.

Special Designations/Management Plan/Date: ACEC Plan No. 14, January 1991

Relevance and Importance Criteria: Relevant scenic, wildlife and floral resource values. Encompasses habitat for many sensitive plant and wildlife species.

National Historic and Scenic Trails: This unit overlaps a portion of the Old Spanish Trail.

Recreation Area: This unit overlaps with Tecopa Pass Historic Trails SRMA.

Grazing Allotment: This unit overlaps with Horsethief Springs Allotment.

Overarching Goals: Continue multiple use management while recognizing that the Natural Area was designated in the CDCA Plan as an ACEC for the preservation and enhancement of habitat for unique plants and bighorn sheep and two areas within the ACEC were also designated as UPAs.

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	18,900	0	NA
Preferred Alternative	11,340	18,900	0	1%
1	9,800	18,900	0	1%
2	11,300	18,900	0	1%
3	11,300	18,900	0	1%
4	11,300	18,900	0	1%








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

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Manage for the protection of sensitive plant species</p> <p>Special Status Species:</p> <ul style="list-style-type: none"> - Forked buckwheat - Death Valley beard-tongue - Stephen’s beard-tongue (<i>Penstemon stephensii</i>) - Scaly sand plant - Kingston Mtn. cinquefoil - Giant Nolina <p>Mormon Needlegrass (<i>Stipa arida</i>) (Galium hilendiae ssp. kingstonense) Hairy Erioneuron (<i>Erioneuron pilosum</i>)</p> <p>Management Action: Survey for BLM sensitive species, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions</p>	Vegetation - Including special status species
<p>Objective: Manage for the protection of sensitive wildlife species</p> <p>Special Status Species:</p> <p>Desert bighorn sheep (<i>Ovis canadensis nelsonii</i>)</p> <ul style="list-style-type: none"> - Desert tortoise - Banded gila monster - Golden eagle - Kingston Mountain chipmunk (<i>Tamias panamintinus acrus</i>) - Mountain Lion <p>Management Action: Survey for BLM sensitive species, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions</p> <p>Objective: Expand year-long desert bighorn sheep range into the Natural Area through positive management</p>	Fish and Wildlife - Including special status species

Management Action: Build guzzler and protect from livestock	
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)
No development Objective: Maintain integrity of large blocks of habitat Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria Geothermal: 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



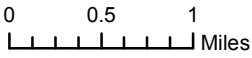
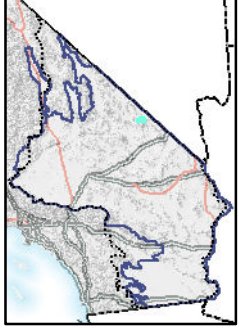
Conservation Footprint

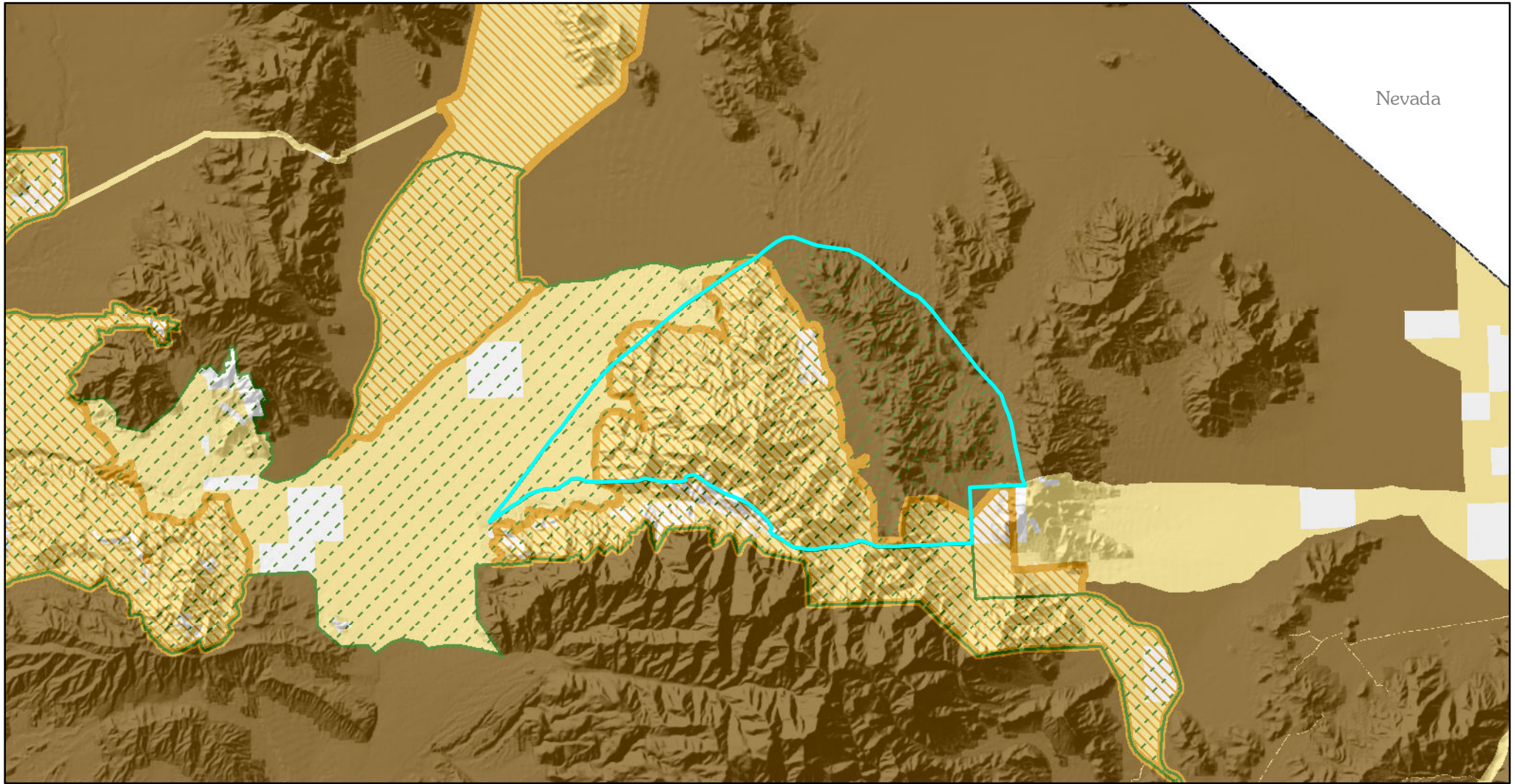
-  Legislatively & Legally Protected Areas
-  DRECP Boundary
-  National Conservation Lands
-  CDCA Boundary
-  Bureau of Land Management
-  ACEC Boundaries
-  1% Disturbance Cap

Kingston Range







6/24/2015

Draft Map Boundaries Subject to Change





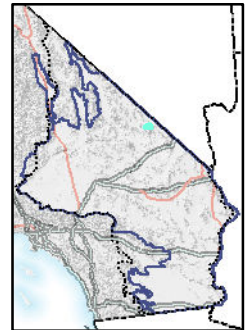
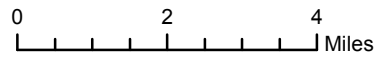
Conservation Footprint

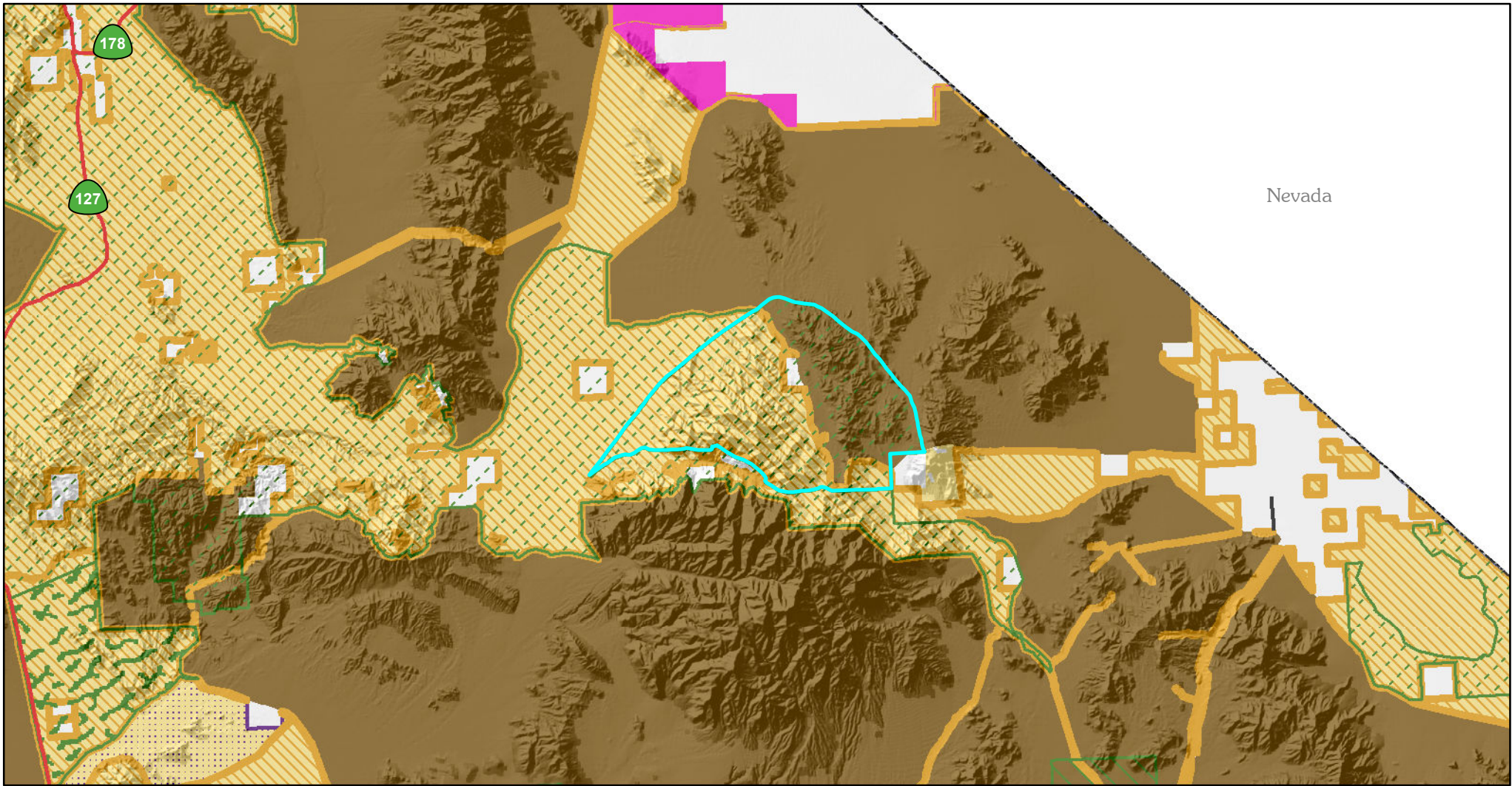
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|--|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status |
|  National Conservation Lands |  CDCA Boundary |  Bureau of Land Management |
| ACEC Boundaries | | |
|  1% Disturbance Cap | | |

**Kingston Range
Alternative 1**











8/25/2015

Draft Map Boundaries Subject to Change



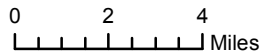


Conservation Footprint

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
- ACEC Boundaries**
-  0.1% Disturbance Cap
-  0.25% Disturbance Cap
-  0.5% Disturbance Cap
-  1% Disturbance Cap
-  DRECP Boundary
-  CDCA Boundary
-  OHV Boundary
- Renewable Footprint**
-  Development Focus Areas

Land Status

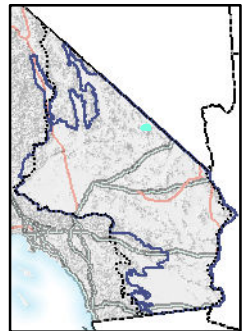
-  Bureau of Land Management

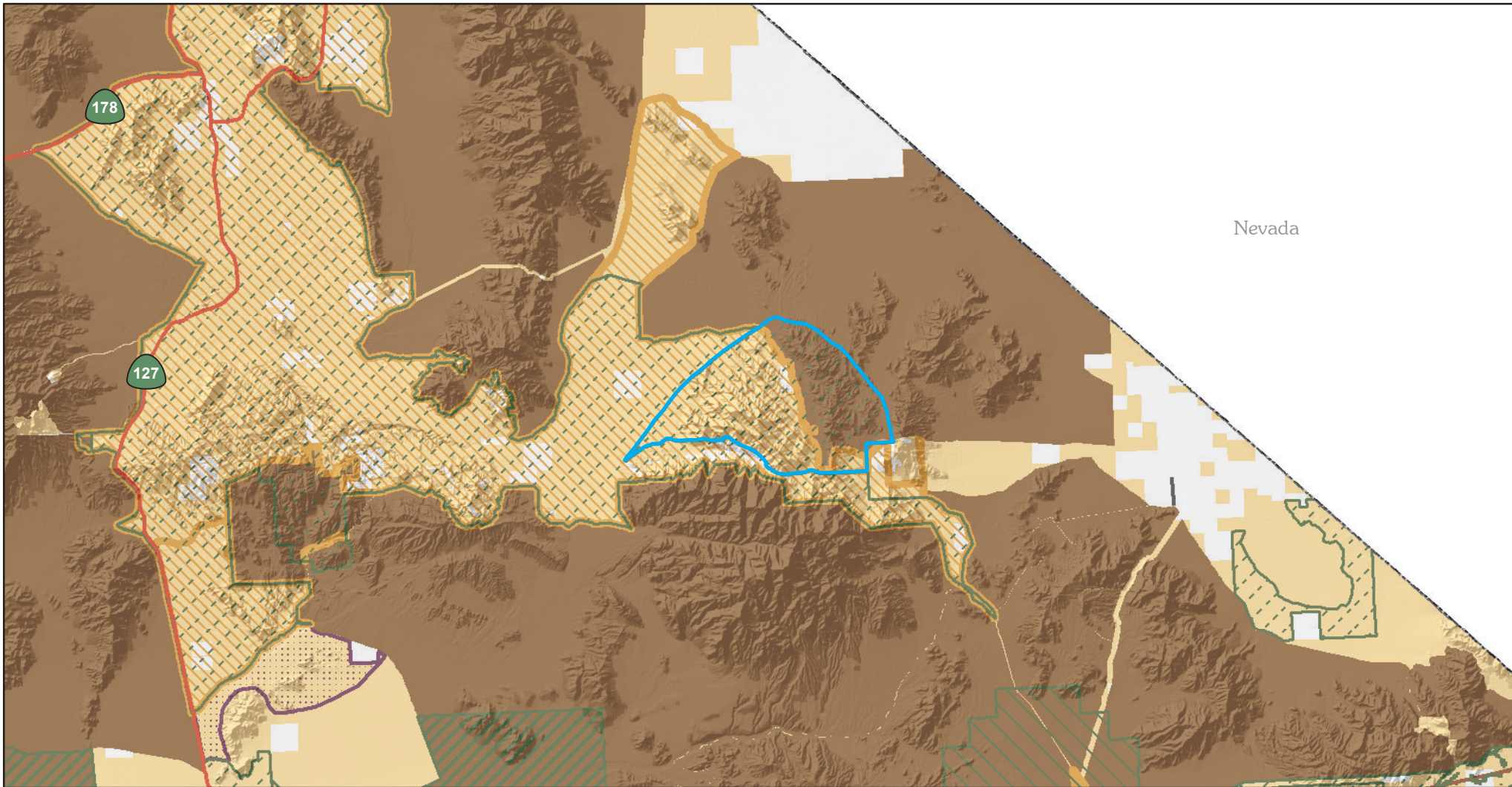


**Kingston Range
Alternative 2**

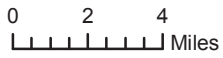
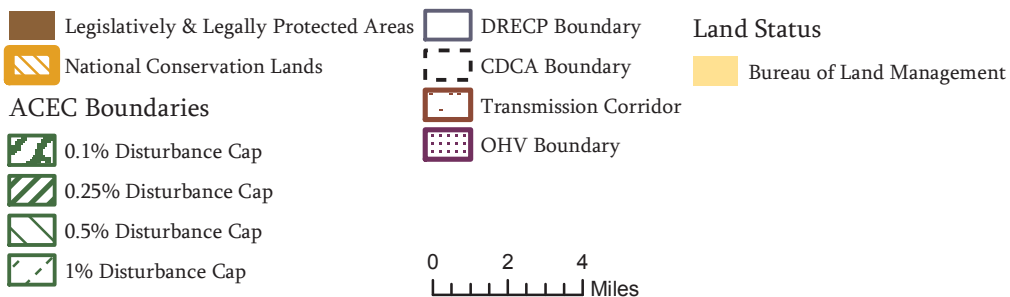
8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

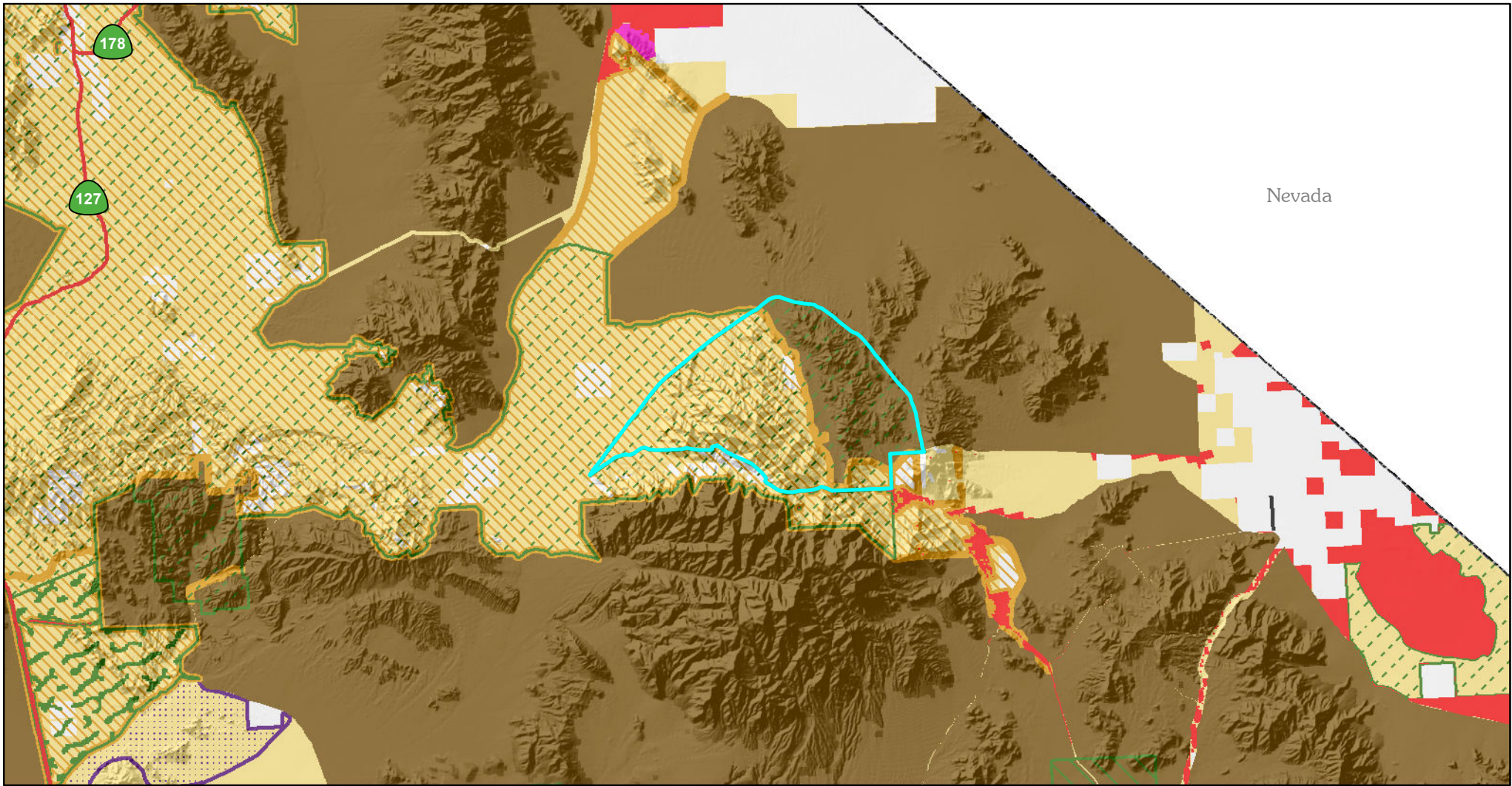


Kingston Range
Alternative 3






8/26/2015





Draft Map Boundaries Subject to Change



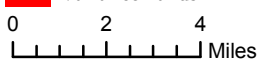



Conservation Footprint

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

- ACEC Boundaries**
-  0.1% Disturbance Cap
 -  0.25% Disturbance Cap
 -  0.5% Disturbance Cap
 -  1% Disturbance Cap

- Renewable Footprint**
-  Development Focus Areas
 -  Variance Lands

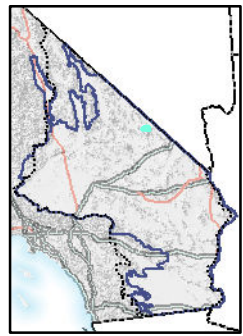


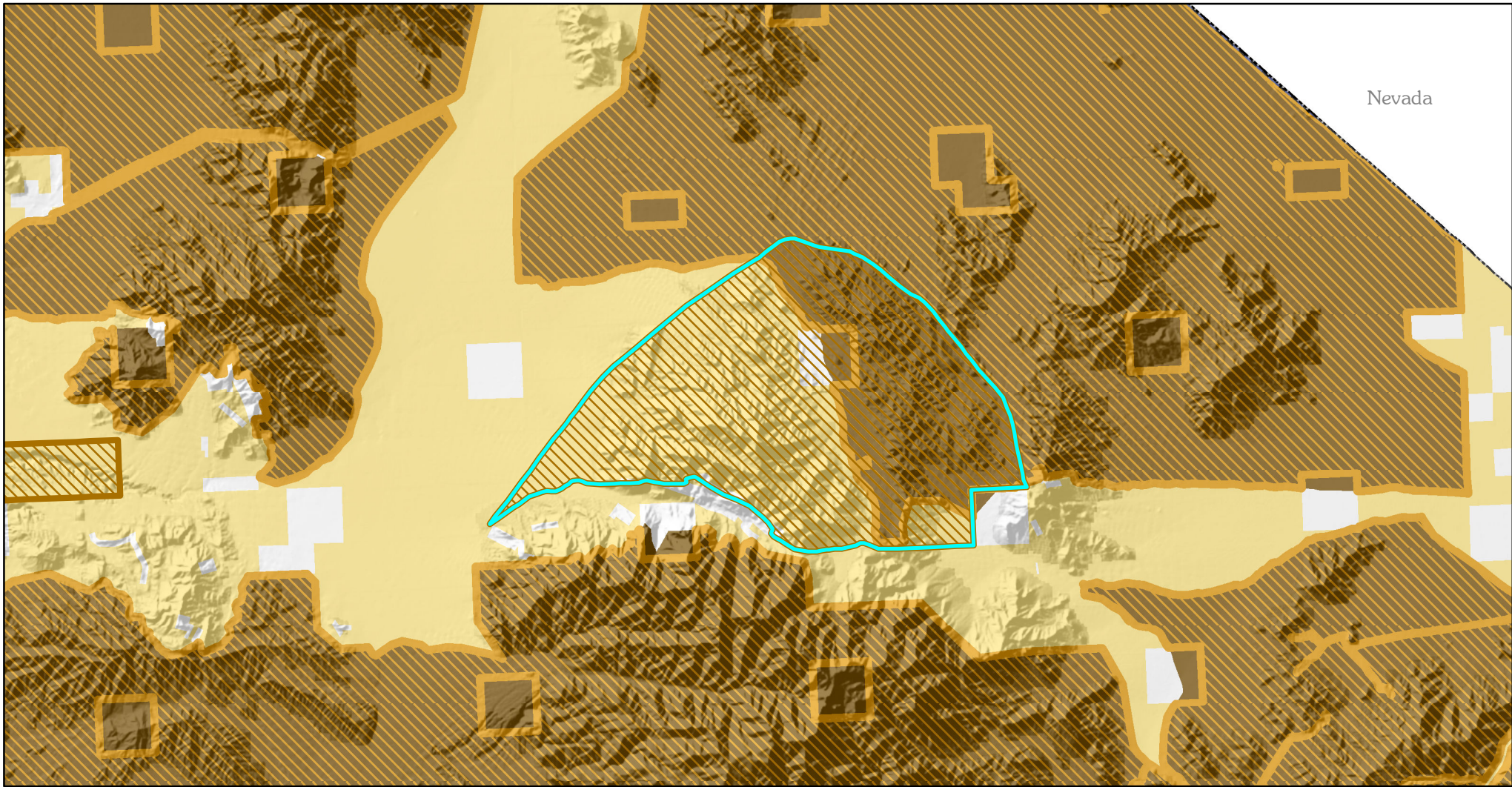
- Land Status**
-  Bureau of Land Management

**Kingston Range
Alternative 4**







8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

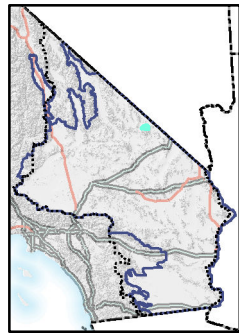
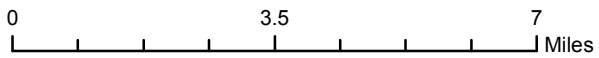
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|--|---|---|
|  Existing ACEC |  National Conservation Lands | Land Status |
|  CDCA Boundary |  Legislatively & Legally Protected Areas |  Bureau of Land Management |
|  DRECP Boundary | | |

Kingston Range

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Kingston Range Wilderness Study Area

National Conservation Lands Ecoregion: Kingston-Amargosa; Mojave and Silurian Valley

Description/Location: Located 20 miles north of Baker, California in San Bernardino County between State Highway 127 and the Kingston Range Wilderness.

Nationally Significant Values: Wilderness Study Areas are automatically included in NCLS.

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

Relevance and Importance Criteria: The Kingston Range WSA provides regional habitat connection for wildlife including desert bighorn sheep.

National Historic and Scenic Trails: This unit overlaps a portion of the Old Spanish Trail.

Goals: Provide for landscape connectivity while providing for compatible public uses.

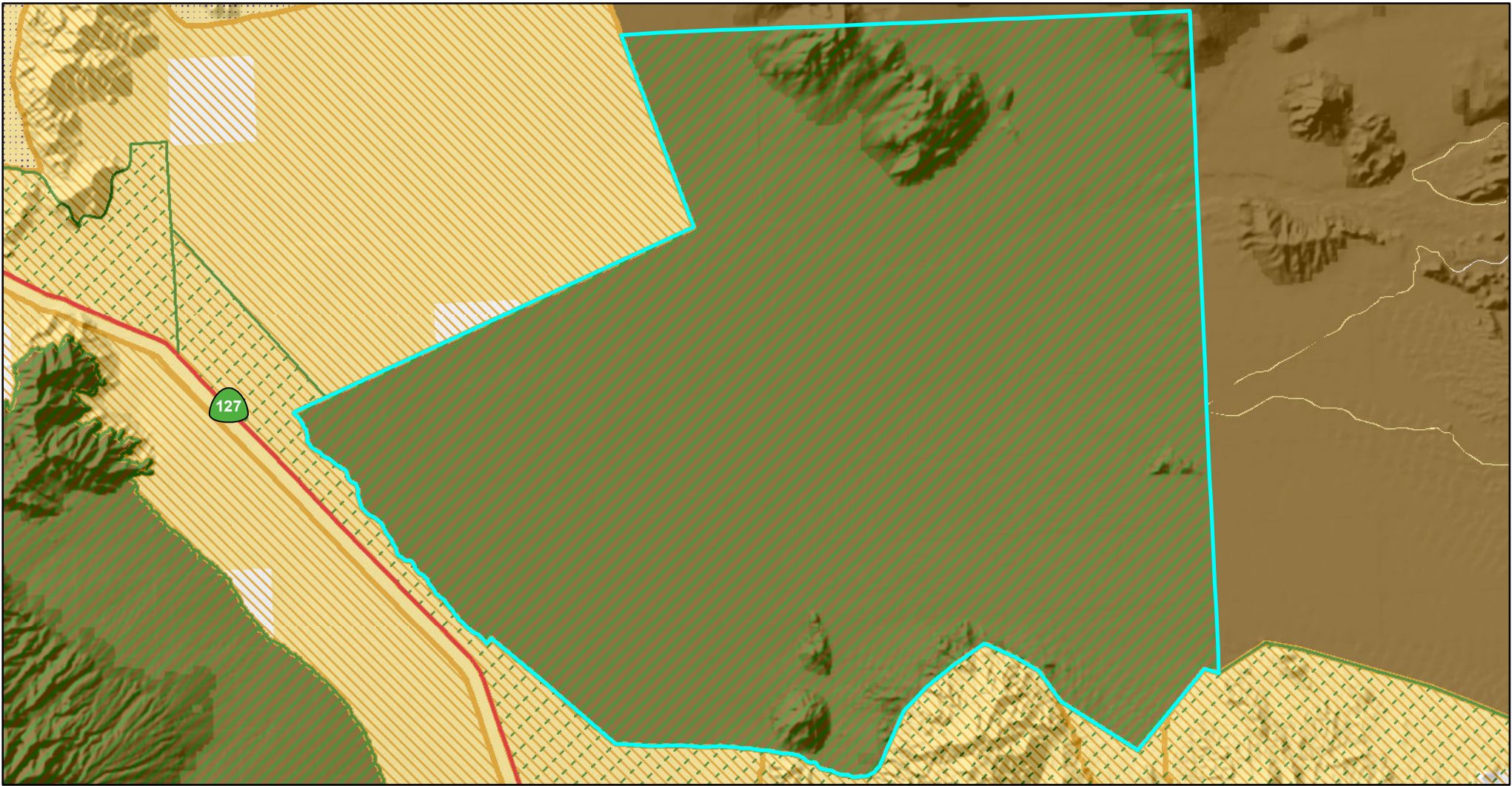
There are no additional management prescriptions beyond those identified in the CMAs included in Volume II of the Proposed LUPA and Final EIS.

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:

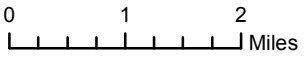
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	40,003	0	0.25%
1	0	40,003	0	0.25%
2	0	40,003	0	0.25%
3	0	40,003	0	0.25%
4	0	40,003	0	0.25%

* Acreage values are for BLM managed lands



Conservation Footprint

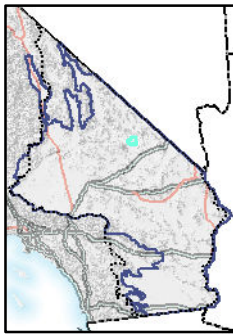
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|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | Land Status |
| National Conservation Lands | CDCA Boundary | Bureau of Land Management |
| ACEC Boundaries | OHV Boundary | |
| 0.25% Disturbance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

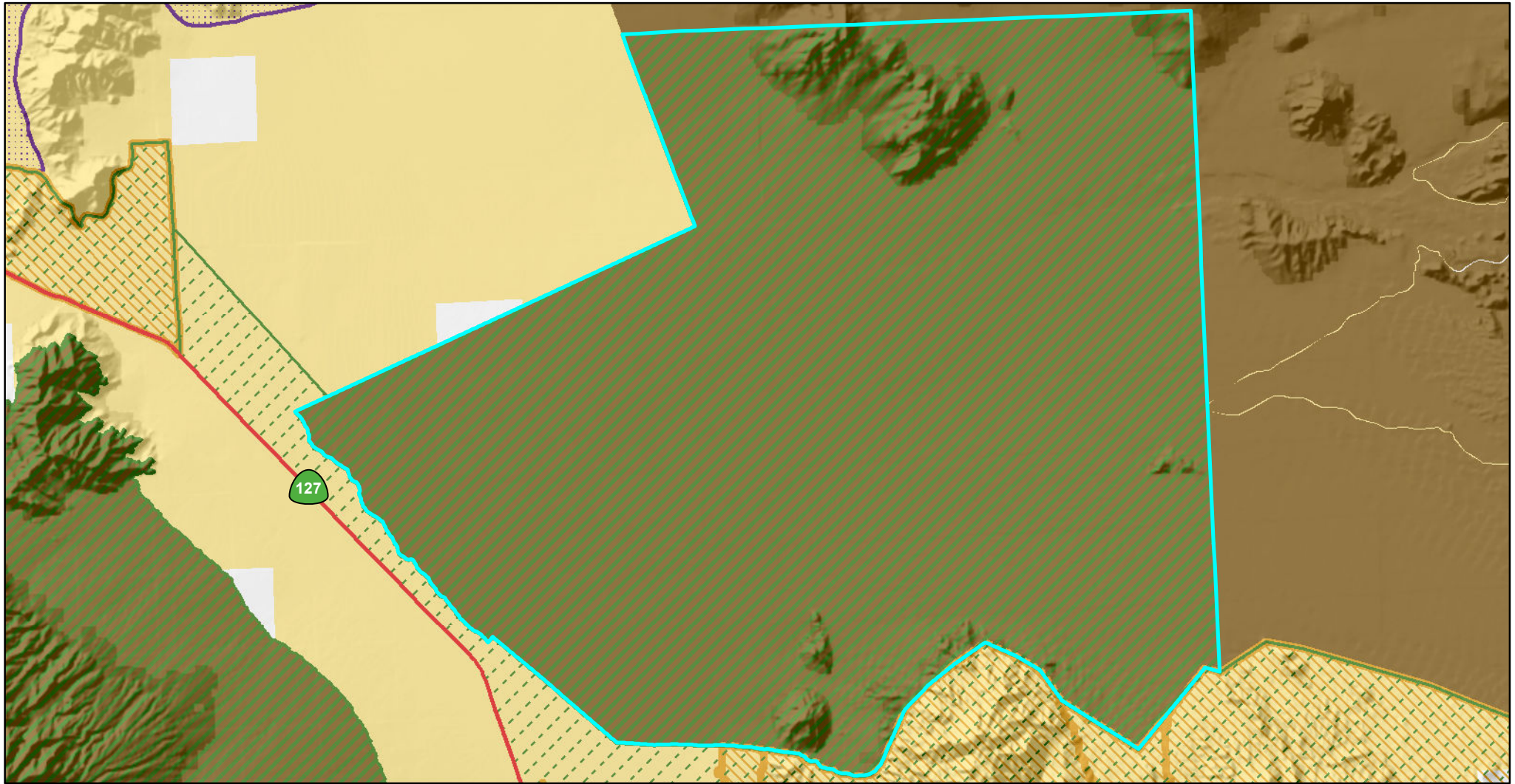


Kingston Range WSA

6/24/2015

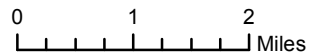
Draft Map Boundaries Subject to Change





Conservation Footprint

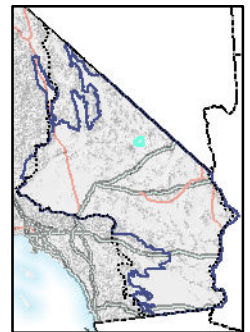
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|---|----------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | Land Status |
| National Conservation Lands | CDCA Boundary | Bureau of Land Management |
| ACEC Boundaries | OHV Boundary | |
| 0.25% Disturbance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

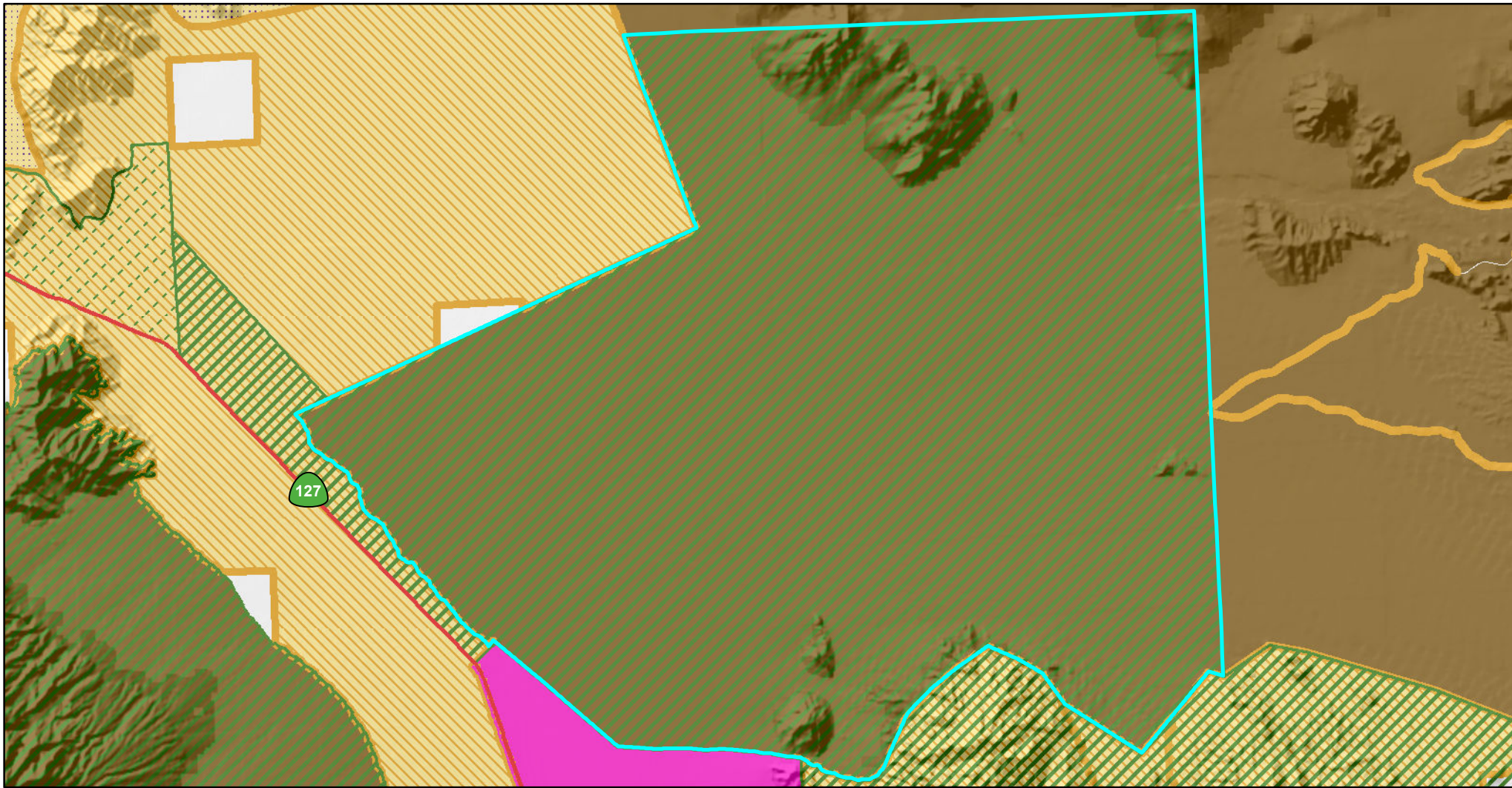


**Kingston Range WSA
Alternative 1**

8/25/2015

Draft Map Boundaries Subject to Change

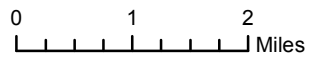




Conservation Footprint

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

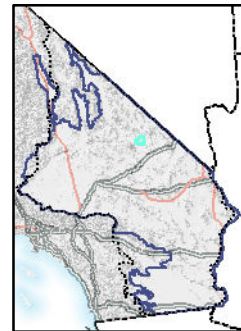
- Land Status**
- Bureau of Land Management

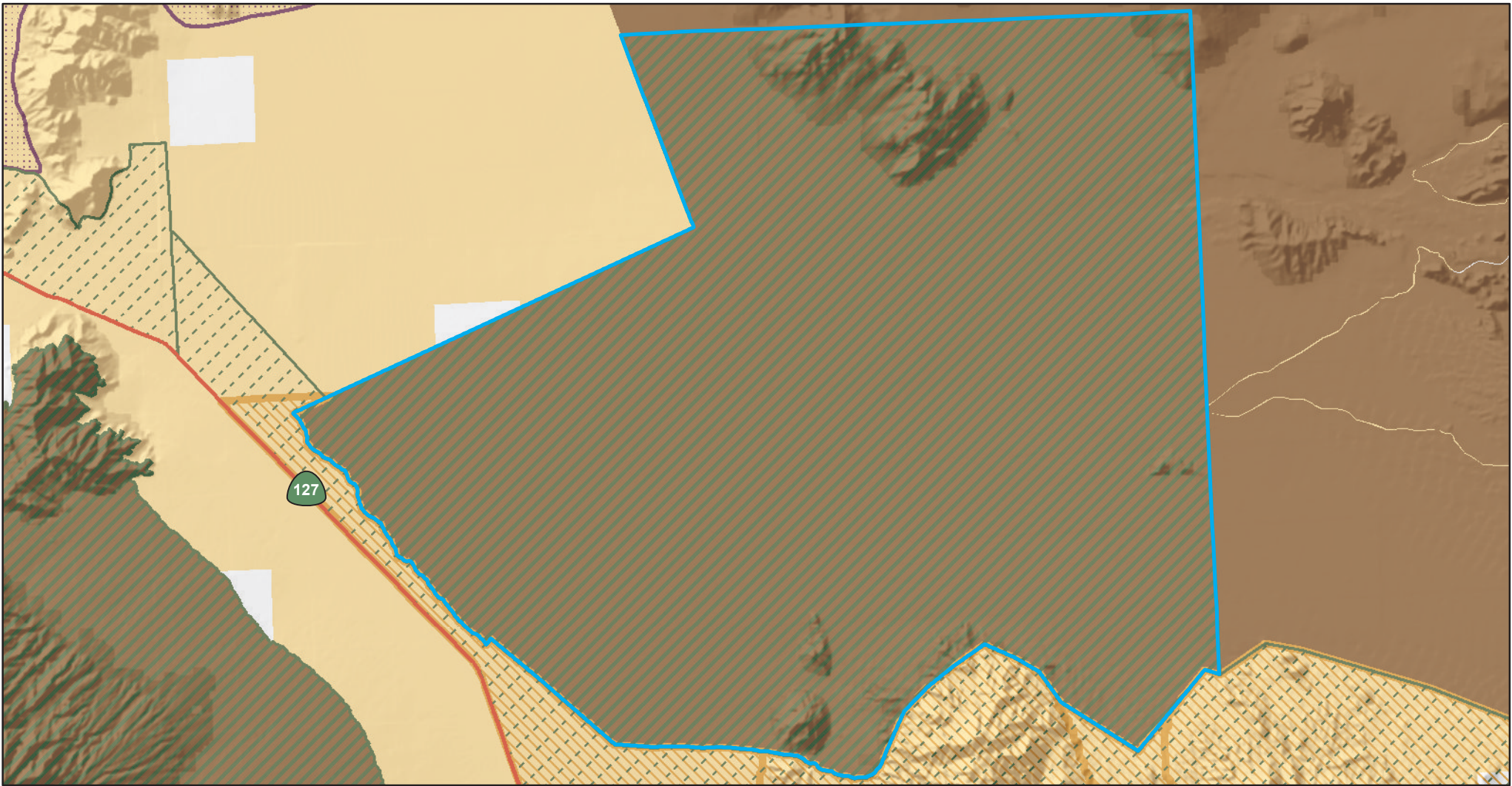


**Kingston Range WSA
Alternative 2**

8/26/2015

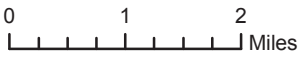
Draft Map Boundaries Subject to Change





Conservation Footprint

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

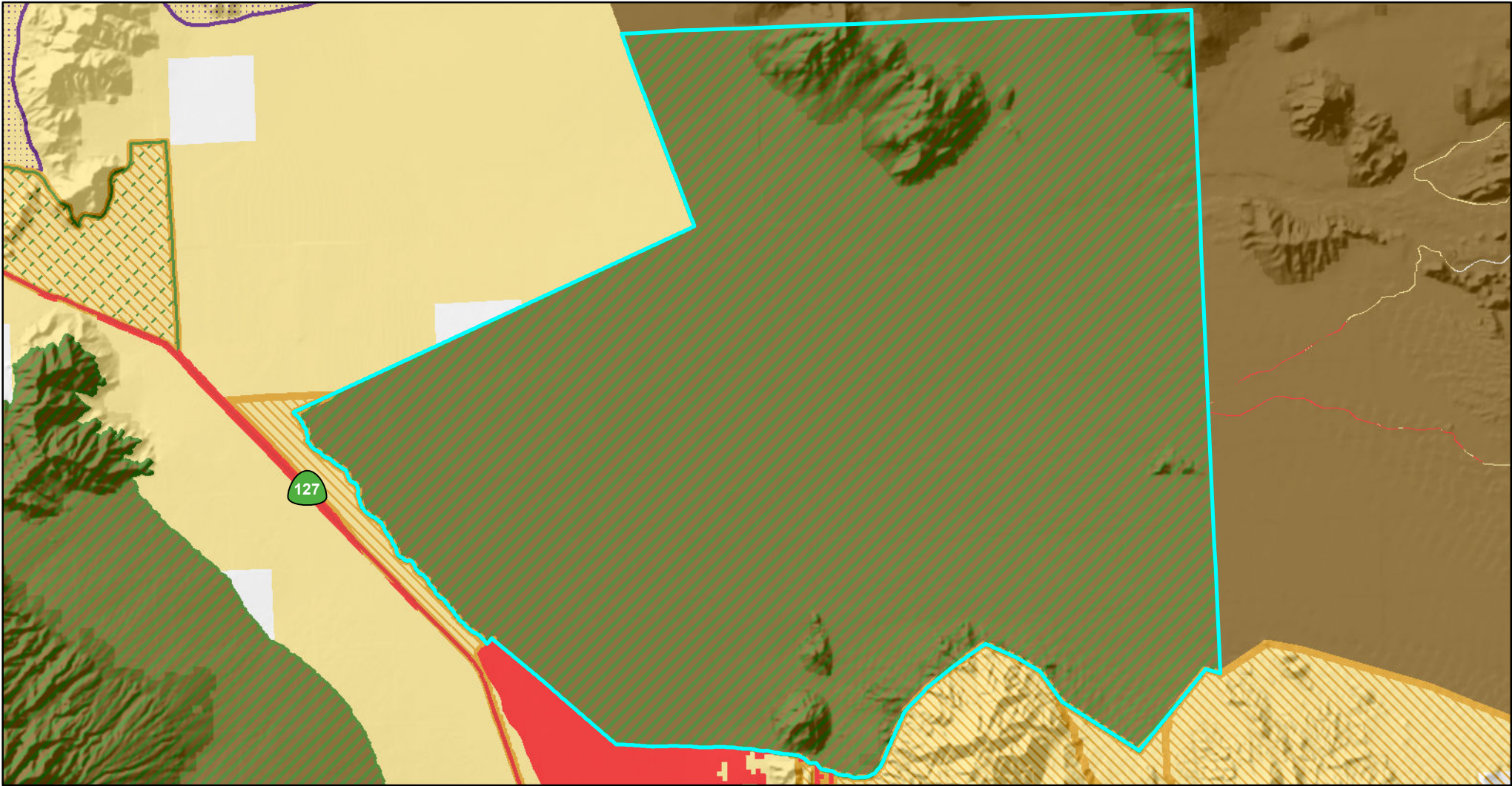


Kingston Range WSA
Alternative 3

8/26/2015

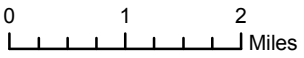
Draft Map Boundaries Subject to Change





Conservation Footprint

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



Kingston Range WSA
Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change



Mesquite Lake

National Conservation Lands Ecoregion: Kingston-Amargosa

Description/Location : Located on north shore of Mesquite Lake in extreme northeastern San Bernardino County adjacent to Nevada state line. Directly 5 miles south of the town of Sandy, NV, 35 miles southwest of Las Vegas, 45 miles northeast of Baker, CA.

Nationally Significant Values: Not proposed for NCLS designation.

Special Designations/ Management Plan/ Date ACEC Plan No. 15, August 1989

Relevance and Importance Criteria: As stated by CDCA 1980, Mesquite Lake contains relevant cultural resources values classified as surface and subsurface aboriginal artifacts. When Mesquite Lake was a body of water, the Native Americans lived, worked and played on its shorelines. Today, village sites, lithic scatter and broken pottery may occasionally be found along the shoreline or within the loose sand that surrounds the dry lake bed thick stands of mesquite. Important research opportunities related to archaeology, ethnography of Native American tribes, migration and use in arid environments, and climate change. This location is also of significant importance as a Native American as a heritage learning area for traditional learning skills.

Recreation Area: This unit overlaps with the Mesquite Valley ERMA.

Grazing Allotment: This unit overlaps with the Clark Mountain Allotment.

Overarching Goals: Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public uses.

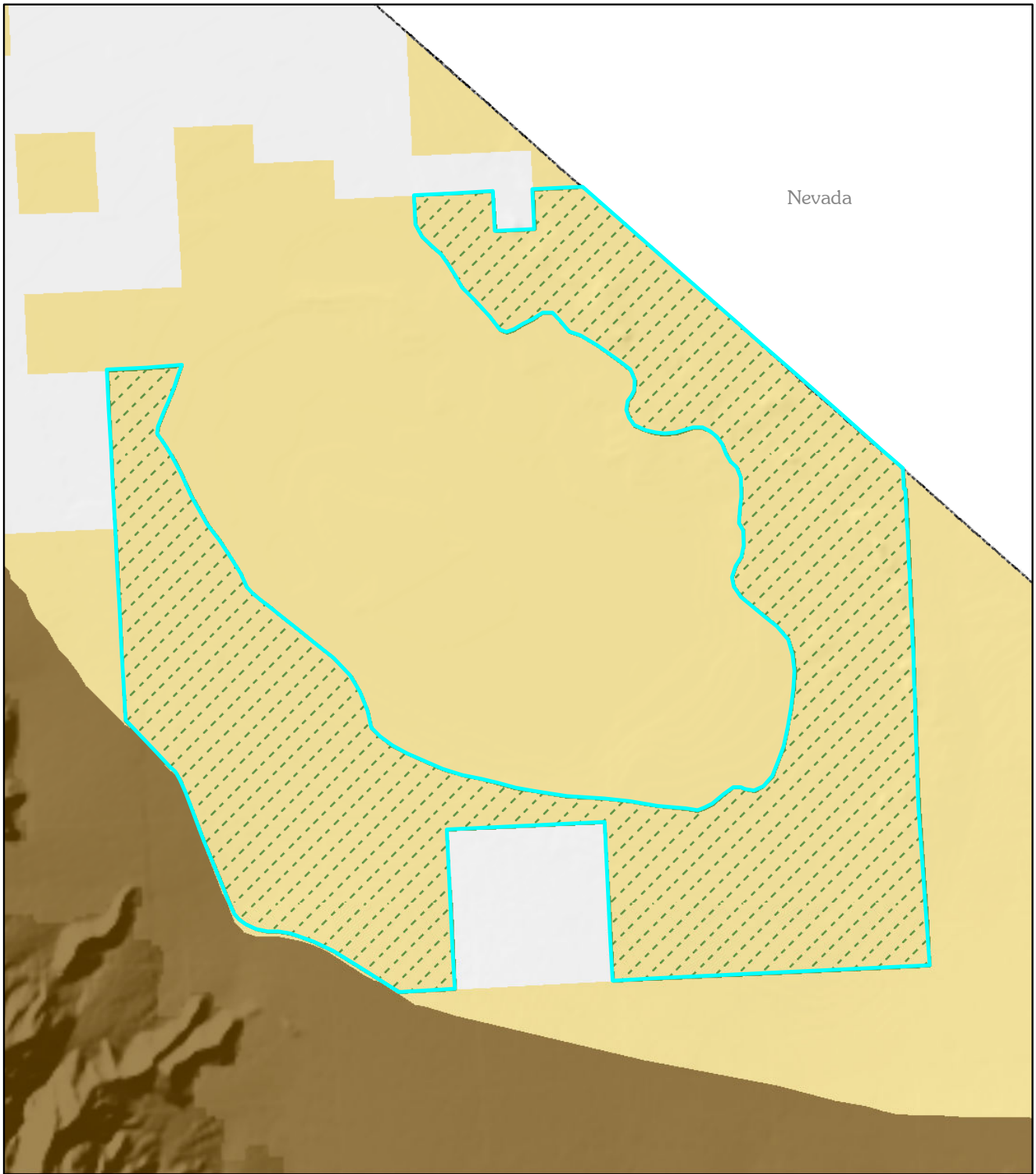
Protect mesquite bosque habitat and species associated with the habitat, such as Lucy's Warbler (*Oreothlypis luciae*).

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	6,700	0	NA
Preferred Alternative	0	6,733	0	1%
1	0	6,700	0	1%
2	6,700	6,700	0	1%
3	0	6,700	0	1%
4	0	6,700	0	1%
* Acreage values are for BLM managed lands				
Objectives (desired future condition)/Allowable Uses/Management Actions			Resource	
Management Action: Limit vehicle access to the playa surface to designated routes.			Soil, water, air	
Objective: Protect bosque habitat and species associated with the habitat Management Action: Prohibit vehicle access and driving in the ACEC to protect the integrity of the mesquite bosque to designated routes. UPA: Mesquite Bosque - This ACEC (which should be expanded) contains one of the largest mesquite bosques still extant in California, although it is threatened by groundwater mining starting in the 1990s. Rare Plants (Special Status): Preuss' Milk-Vetch (<i>Astragalus preussii</i> var. <i>preussii</i>) [CNPS 2.1] Depressed Standing-Cypress (<i>Loeseliastrum depressum</i>) [CNPS 4.3] Goodding's Phacelia (<i>Phacelia pulchella</i> var. <i>gooddingii</i>) [CNPS 2.2]			Vegetation (incl. special status species)	
Objective: Maintain characteristic landscape, particularly those important as cultural landscapes.			Visual Resources	
Objective: Provide for the use of a designated system of Ground Transportation Linear Features to ensure access to the public for appropriate uses. Management Action: <ul style="list-style-type: none"> Designated routes will be signed and managed in accordance to the local Travel Management Plan Un-authorized routes will be rehabilitated/restored in accordance to the local Travel Management Plan. Provide routine maintenance of the designated roads and trails system including installation of routine signs, markers, culverts, ditches, water bars, barriers, gates, or cattle guards on/or adjacent to system roads and trails. 			Trails and Travel Management	

<p>Refer to the Mesquite Valley Extensive Recreation Management Area (ERMA) write-up for detailed objectives, allocations, and management direction.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities, and to ensure public health and safety • Provide interpretive, directional, and regulatory signs and materials as necessary to provide public information and reduce impacts from recreational use. • Allow stopping and parking within 25 feet, and camping within 100 feet of designated routes. • Manage recreational shooting consistent with state and local laws. • Allow SRP events which do not negatively affect ACEC Relevance and Importance Values. <p>This ACEC is highly valued by local equestrians within Sandy Valley.</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>Allocations:</p> <ul style="list-style-type: none"> • Closed to renewable energy development. • 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
<p>Allocations: Open to entry for locatable minerals, require plan of operation.</p> <p>Consider saleable and leasable minerals if proposals do not conflict with ACEC values.</p>	Locatable Minerals Mineral Materials Non-energy Leasables



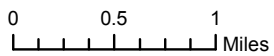
Conservation Footprint

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

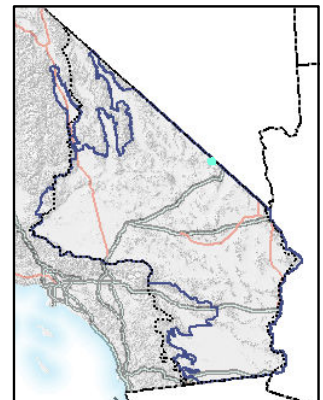
Mesquite Lake

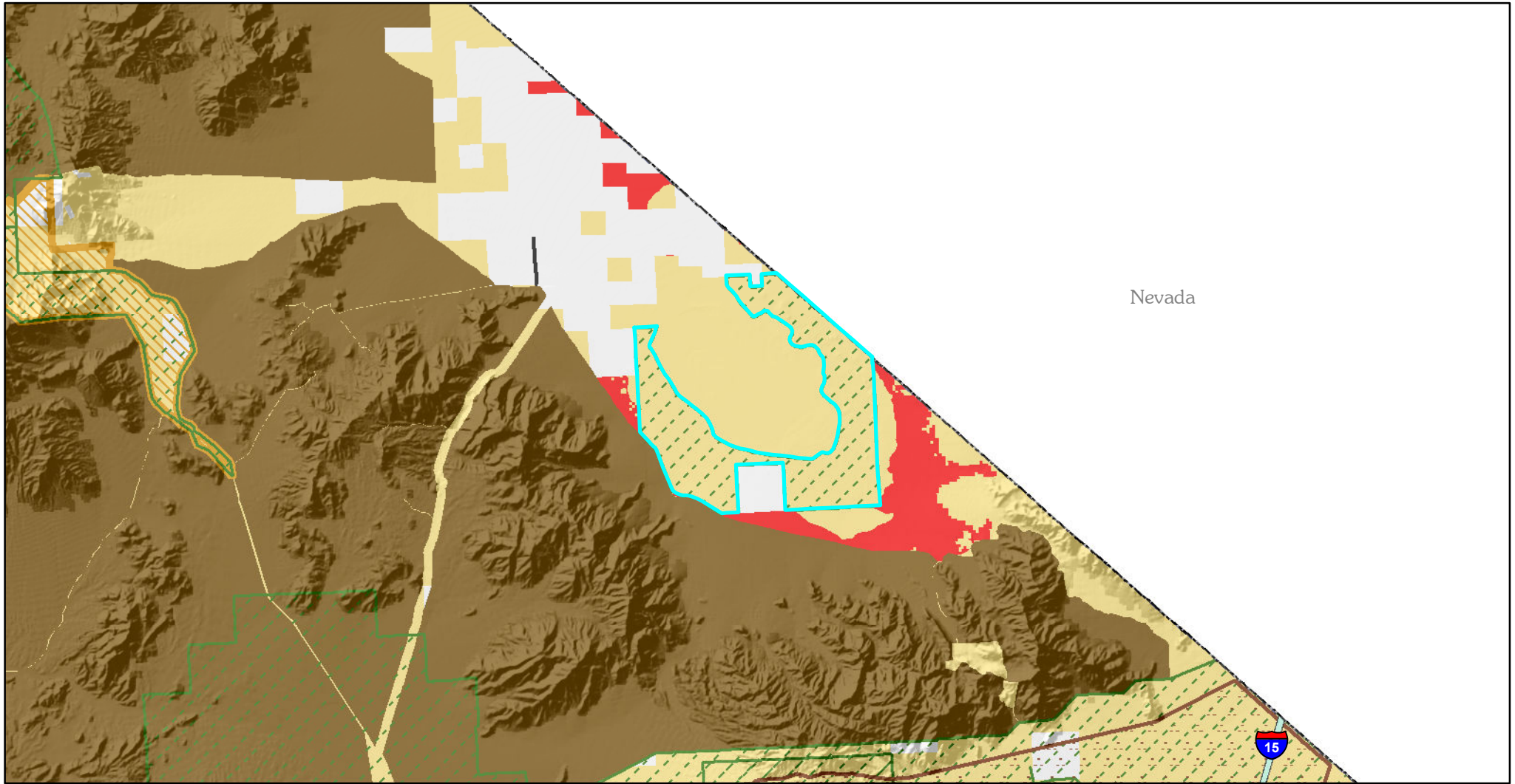


6/25/2015










Draft Map Boundaries Subject to Change




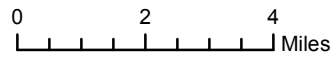


Conservation Footprint

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

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

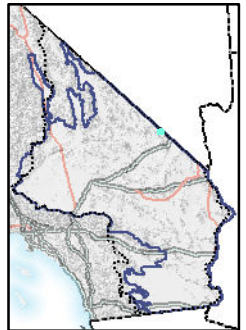
- Land Status**
-  Bureau of Land Management

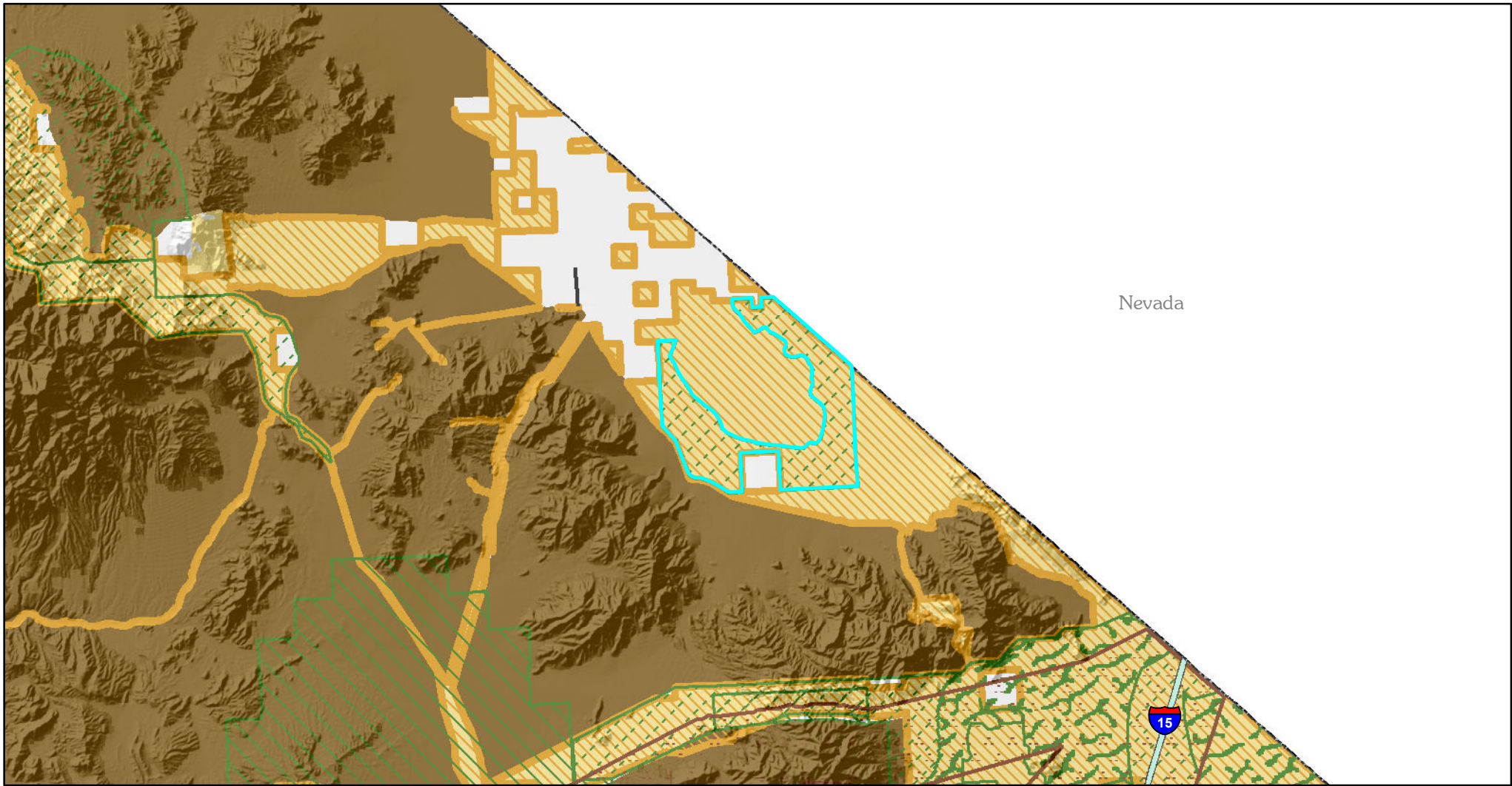


**Mesquite Lake
Alternative 1**

8/25/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

Legislatively & Legally Protected Areas

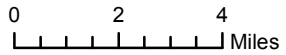
National Conservation Lands

ACEC Boundaries

0.1% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap



DRECP Boundary

CDCA Boundary

Transmission Corridor

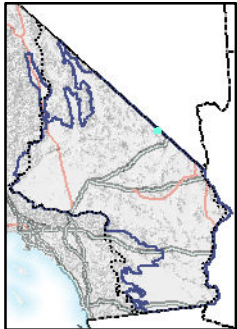
Land Status

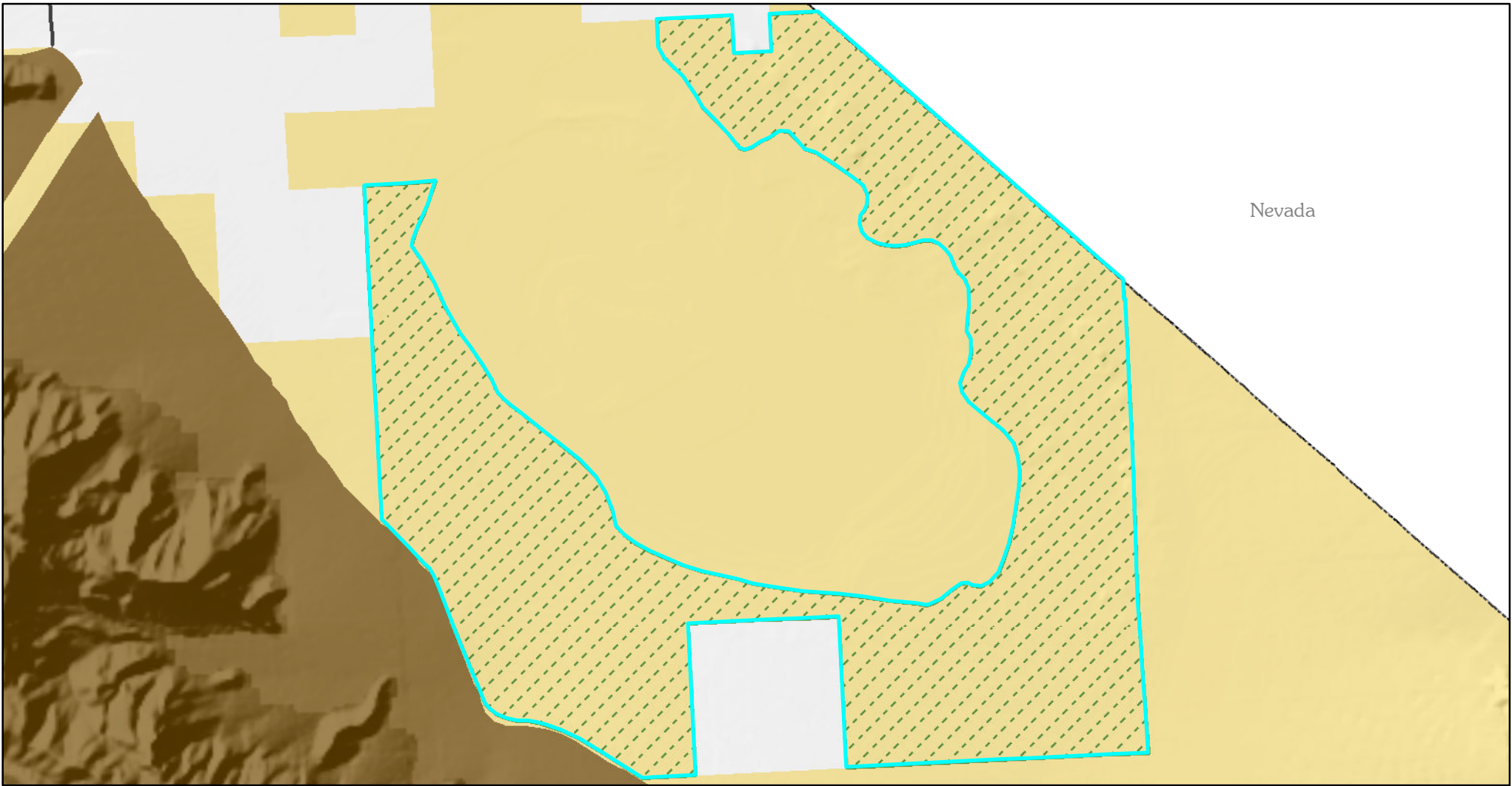
Bureau of Land Management

**Mesquite Lake
Alternative 2**

8/26/2015

Draft Map Boundaries Subject to Change





Nevada

Conservation Footprint

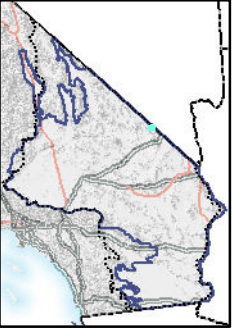
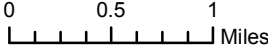
- Legislatively & Legally Protected Areas
- DRECP Boundary
- CDCA Boundary
- Bureau of Land Management
- ACEC Boundaries
- 1% Disturbance Cap

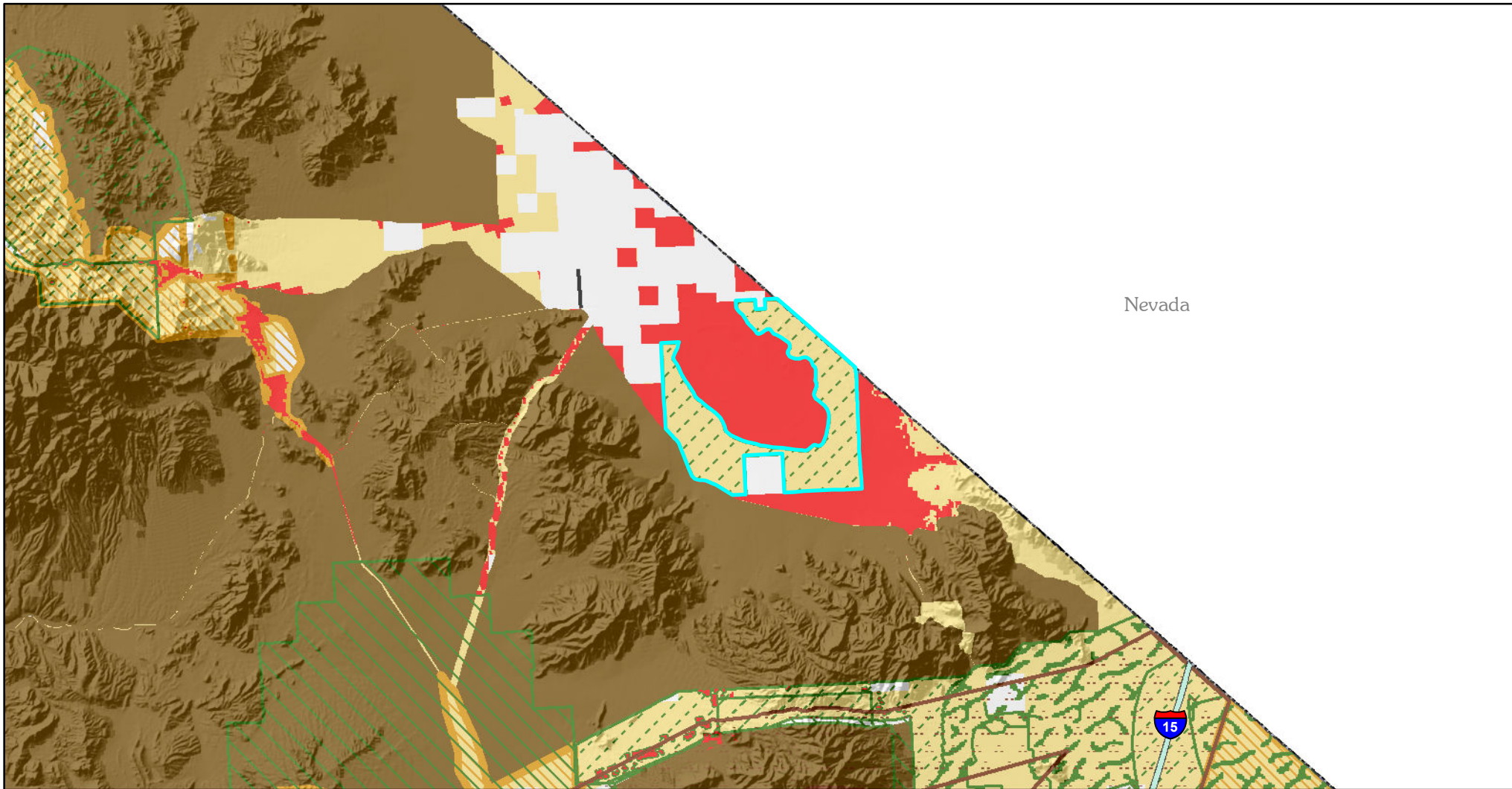
Land Status

Mesquite Lake
Alternative 3

8/27/2015

Draft Map Boundaries Subject to Change














Nevada



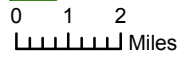
Conservation Footprint

-  Legislatively & Legally Protected Areas
-  National Conservation Lands
- ACEC Boundaries**
-  0.1% Disturbance Cap
-  0.5% Disturbance Cap
-  1% Disturbance Cap

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

Land Status

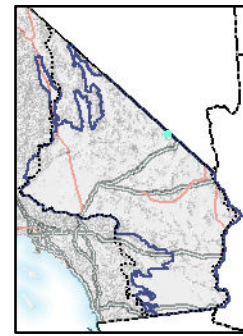
-  Bureau of Land Management

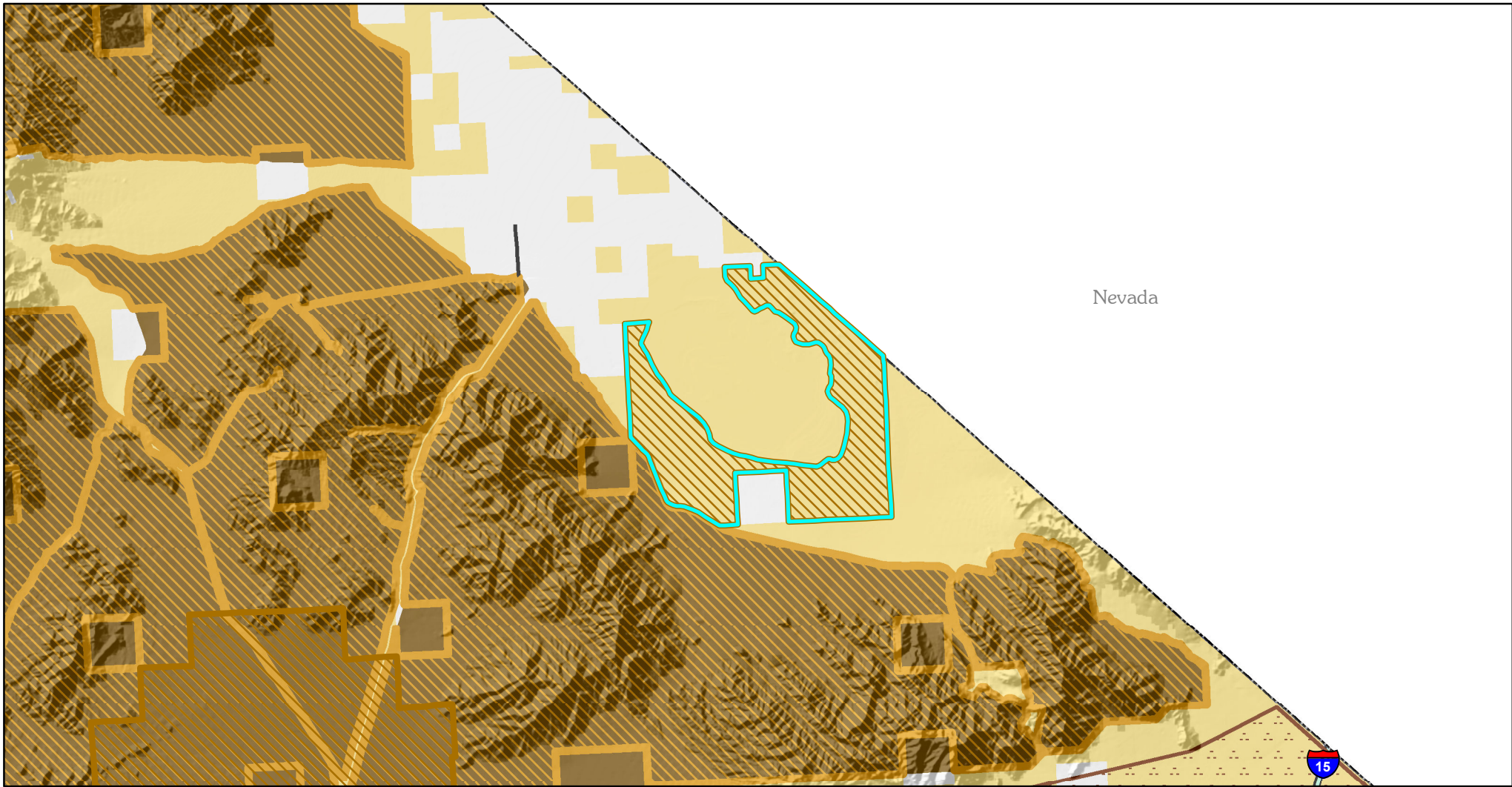


**Mesquite Lake
Alternative 4**

8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

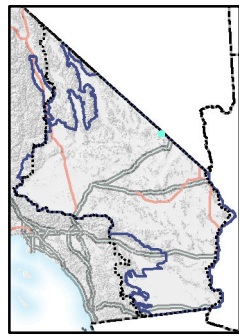
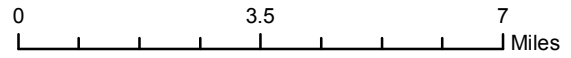
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|-----------------------|---|---------------------------|
| Existing ACEC | National Conservation Lands | Land Status |
| Transmission Corridor | Legislatively & Legally Protected Areas | Bureau of Land Management |
| CDCA Boundary | | |
| DRECP Boundary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

Mesquite Lake

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Mountain Pass/Dinosaur Trackway

National Conservation Lands Ecoregion: Kingston-Amargosa

Description/Location:

Located north of the Mojave National Preserve near Mountain pass.

Nationally Significant Values:

Cultural:

The area is primarily a unique geologic feature which offers outstanding opportunities to conduct studies of paleontological resources. For the protection of the site, the tracks have been recovered to prevent discovery and information regarding this site is to be removed from publications of the area.

Scientific:

During the age of the dinosaur, several different species walked across soft sands and mud, leaving tracks behind that are now again exposed to view in the rocks and areas around Mountain Pass. The Dinosaur Trackway is the only known occurrence of fossil Mesozoic reptile tracks in California. They are considered rare anywhere in the western United States, and therefore warrant protection.

Relevance and Importance:

This ACEC is a Congressionally designated site, designated through the California Desert Protection Act of 1994. The Dinosaur Trackway is the only known occurrence of fossil Mesozoic reptile tracks in California. They are considered rare anywhere in the western United States, and therefore warrant protection.

Recreation Area: This unit overlaps with the Ivanpah Valley ERMA.

Grazing Allotment: This unit overlaps with the Valley View Allotment.

Overarching Goals:

Preserve known sites, and potentially uncover new ones, by discouraging unsupervised access and use of the area, as well as strictly controlling mining and quarrying. Encourage paleontological inventory and research by accredited groups.

Special Designations/Management Plan/Date: ACEC Plan No. 30, August 1982

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.

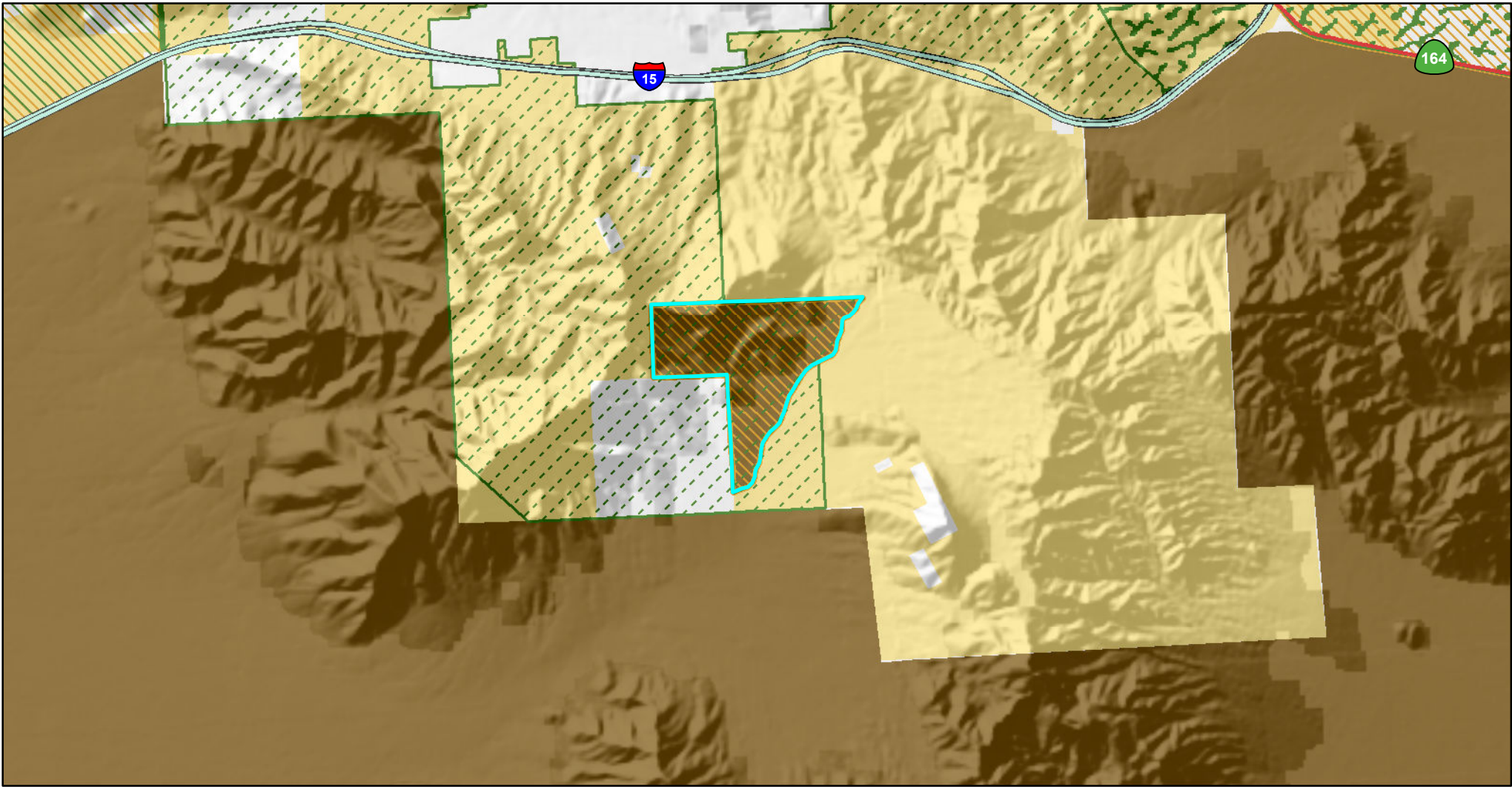
Designation and Acreage by Alternative:

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	600	0	NA
Preferred Alternative	627	627	0	1%
1	600	600	0	1%
2	600	600	0	1%
3	600	600	0	1%
4	600	600	0	1%

* Acreage values are for BLM managed lands

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
Protect soils and geology related to trackway. Control erosion. Limit OHV use to designated routes.	Soil, water, air
Objective: General Management and Protection of Paleontological Resources Action Item 1: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act. Action Item 2: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed. Objective: Create offsite availability of trackway casts Action: Map trackway locations and make molds of tracks	Paleontology
Goal: Provide for the use of a designated system of roads and trails to ensure access to the public for appropriate uses. Action: <ul style="list-style-type: none"> All legal open roads and trails will be signed including road or trail number/name. All roads and trails identified as closed will be rehabilitated/restored. Restore all undesignated roads or trails. Provide routine maintenance of the designated roads and trails system including installation of routine signs, markers, culverts, ditches, water bars, barriers, gates, or cattle guards on/or adjacent to system roads and trails. 	Trails and Travel Management
Goal: Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities, and to ensure public health and safety; Action:	Recreation

<ul style="list-style-type: none"> • Provide interpretive, directional, and regulatory signs and materials as necessary to provide public information and reduce impacts from recreational use. • Prohibit competitive special recreation events. • Allow stopping and parking within 25 feet, and camping within 100 feet of designated routes. • Manage recreational shooting consistent with state and local laws. • Issuance of Special Recreation Permits for day use or overnight use up to 14 consecutive nights; that impact no more than 3 staging area acres; and/or for recreational travel along roads and trails designated open in the land use or accompanying activity level plans. 	
<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>No Renewable Energy Development</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
<p>Objective: Develop measures to regulate mining or quarrying to protect known tracks and preserve new finds Action: Qualified paleontological monitor must be present during all assessment work and/or excavation affecting Aztec formation</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 Valley View grazing allotment. This allotment shall be permanently closed to livestock grazing through the DRECP process.</p>	Livestock grazing

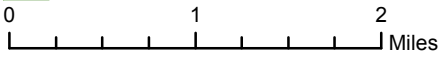


Conservation Footprint

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

ACEC Boundaries

- 0.1% Disturbance Cap
- 0.5% Disturbance Cap
- 1% Disturbance Cap

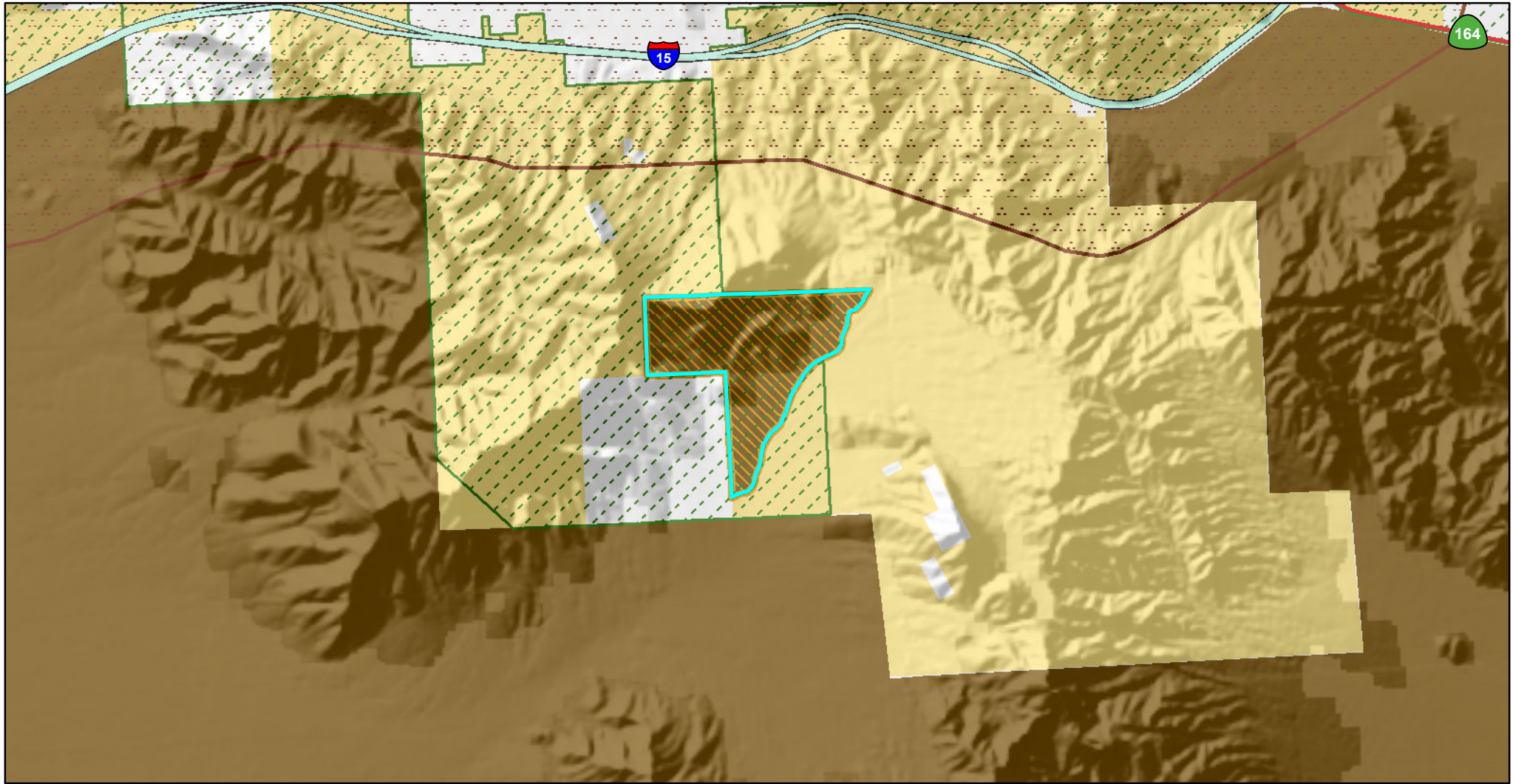


Mountain Pass Dinosaur Trackway








6/24/2015

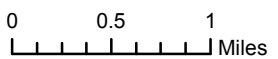
Draft Map Boundaries Subject to Change





Conservation Footprint

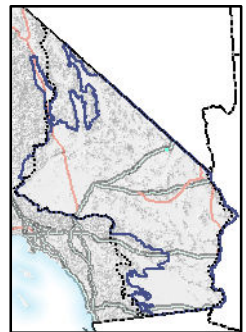
- | | | |
|--|---|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status |
|  National Conservation Lands |  CDCA Boundary |  Bureau of Land Management |
| ACEC Boundaries |  Transmission Corridor | |
|  1% Disturbance Cap | | |

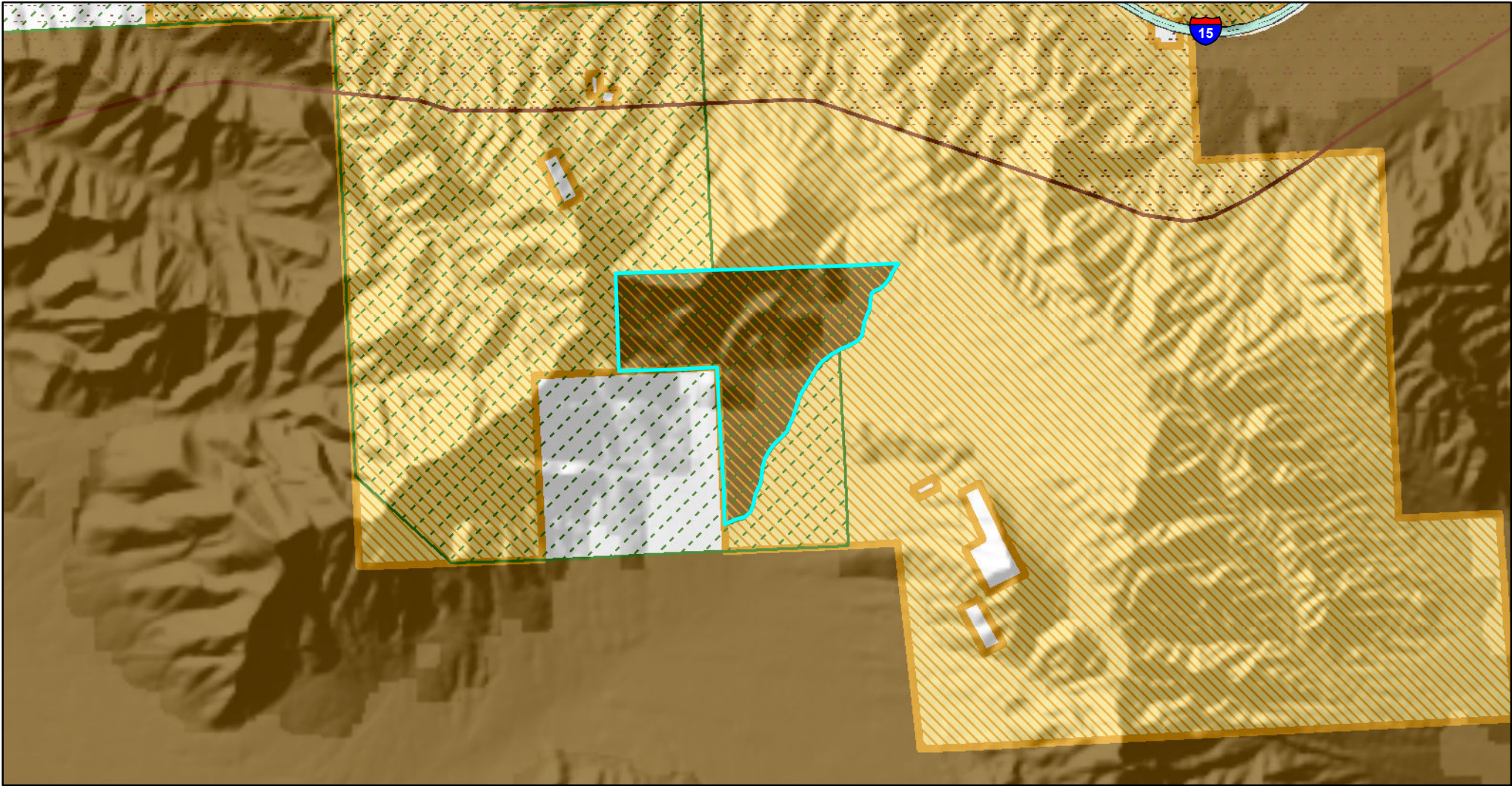


**Mountain Pass Dinosaur Trackway
Alternative 1**




8/25/2015




Draft Map Boundaries Subject to Change




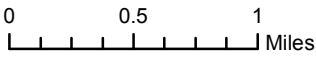


Conservation Footprint

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

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

- Land Status**
-  Bureau of Land Management

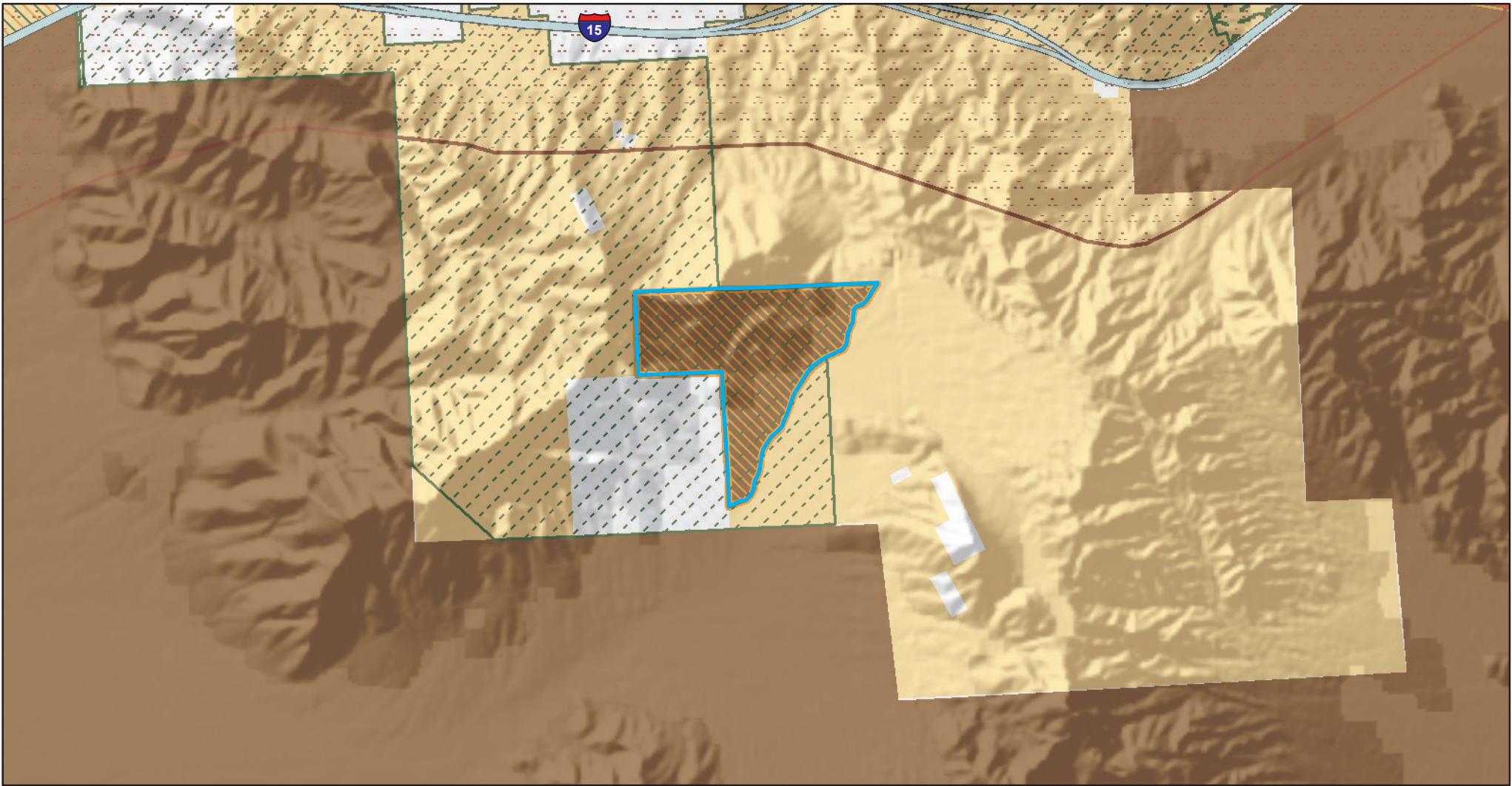


**Mountain Pass Dinosaur Trackway
Alternative 2**

8/26/2015

Draft Map Boundaries Subject to Change



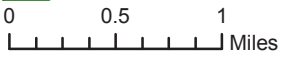


Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

ACEC Boundaries

- 0.1% Disturbance Cap
- 0.5% Disturbance Cap
- 1% Disturbance Cap



- DRECP Boundary
- CDCA Boundary
- Transmission Corridor

Land Status

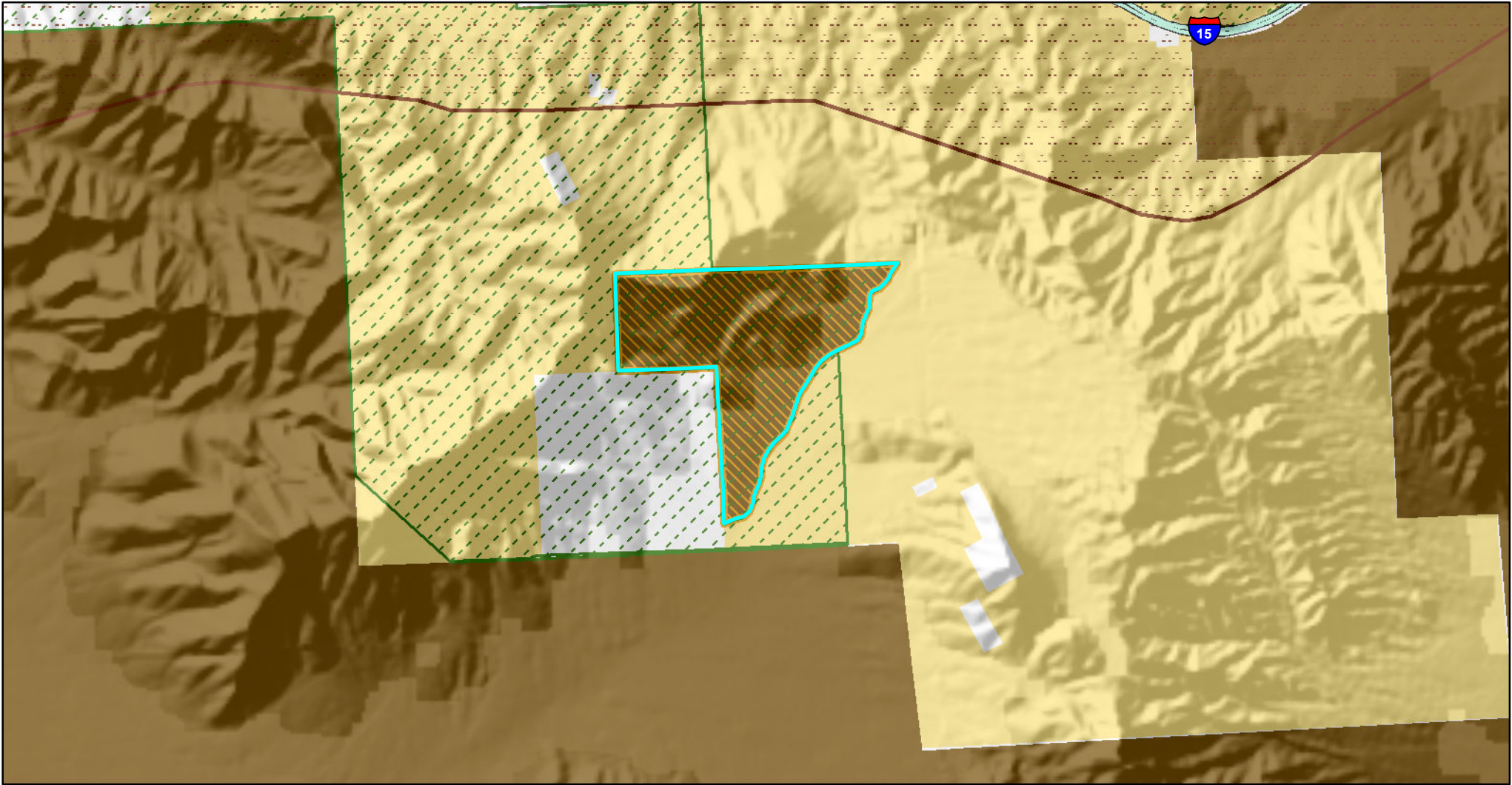
- Bureau of Land Management

**Mountain Pass Dinosaur Trackway
Alternative 3**

8/26/2015

Draft Map Boundaries Subject to Change

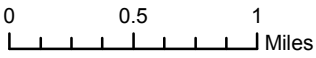




Conservation Footprint

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

- 0.5% Disturbance Cap
- 1% Disturbance Cap

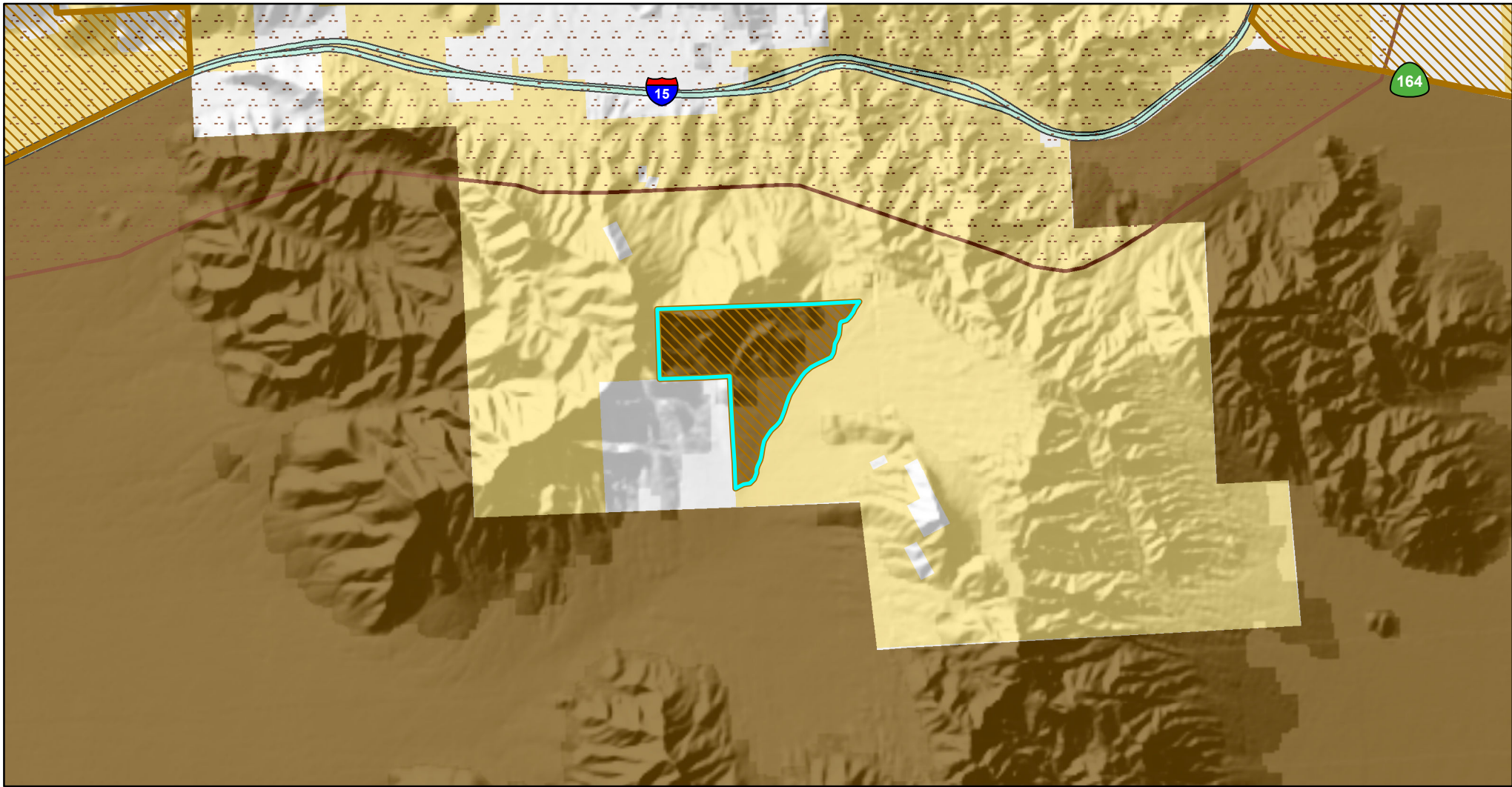


**Mountain Pass Dinosaur Trackway
Alternative 4**






8/27/2015

Draft Map Boundaries Subject to Change



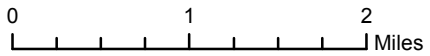


Conservation Footprint

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

Land Status

-  Bureau of Land Management

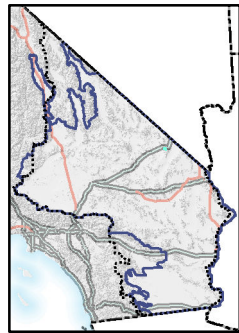


Mountain Pass Dinosaur Trackway

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Shadow Valley

National Conservation Lands Ecoregions: Kingston-Amargosa and Mojave and Silurian Valley

Description/Location: Located within the Shadow Valley Tortoise Management Unit which is bounded on the north by the Kingston Range, on the west by the Shadow Mountains, on the south by I-15 and on the east by the Clark Mountains. The expansion of this ACEC would continue to west to Hwy 127, with the northern boundary being the Kingston Range Wilderness area and Salt Creek Hills ACEC and the southern boundary being Interstate 15.

Nationally Significant Values:

Ecological:

Most of the vegetation of the area can be classified within Creosote bush/white bursage, Creosote bush scrub, Mixed saltbush, Joshua tree, Blackbush, Mojave yucca vegetation series, and Joshua tree woodland. Additionally, this area contains Unusual Plant Assemblages: the Shadow Valley Shadscale Assemblage (Valley Well Shadscale Scrub) and the Kingston Range Mojave Yucca Scrub and Steepe Assemblage. There is also a high concentration of biological soil crusts which consist of cyanobacteria, green algae, lichens, mosses, microfungi, and other bacteria. The Silurian Valley has been identified as an important east-west migration corridor for bats and parts of the valley were determined a Bat Conservation Area under the NEMO Plan.

Cultural:

The Shadow Valley Expansion would add many culturally significant features to the ACEC within the Silurian Valley. Through the years, the Silurian Valley has seen little development and the valley remains relatively visually intact dating back to the Old Spanish Trail period with the exception of the paving of Highway 127, which for the most part follows the course of the Old Spanish Trail/Mormon Road/Salt Lake Road/Santa Fe Trail.

The Silurian Valley is within the congressionally designated Old Spanish Trail corridor. This area has a pristine historic landscape that has been identified as having an exceptional recreational value for a driving experience to view the landscape as it was during the period of trail usage. The historic setting meets criteria for inclusion to the National Register of Historic Places.

The Tonopah, Tidewater Railroad (T&T) served as an important transportation link between the isolated mining communities of the Mojave Desert for 35 years. The 9 mi segment of the rail line that passes through the Silurian Valley conveys the difficult nature of early railroad development in the desert southwest during the historic period and retains location, design, setting, materials, workmanship, feeling and association.

The T&T Railroad within the Silurian Valley exhibits structural elements not seen along any of the other recorded segments of the rail line to date. Those elements, the culverts, platforms, furrows, and other associated features, together embody a distinctive characteristic of type, period, and method of construction, and represent a significant and distinguishable entity. The numerous railroad grade features recorded demonstrate and convey integrity of design, materials, and workmanship. Hence, the segment of the T&T Railroad within the Shadow Valley expansion retains integrity of location, setting, and feeling in that the grade is situated where it was constructed some 105 years ago. The T&T meets criteria for eligibility to the National Register of Historic Places.

The T&T Railroad played an important role in western expansion of the United States. The railroad made it possible for large scale mining and settlement in the Death Valley region. The town site of Riggs as well as

associated mining and various mining features are within the Silurian Valley. The town and features are associated with the T&T and meet criteria for eligibility to the National Register of Historic Places. Because of the association of the T&T with the local mining in the area, the T&T, town site of Riggs, and associated mining, this would meet criteria for eligibility as a National Register of Historic Places district.

Three prehistoric sites were recently recorded within the Silurian Valley. These sites appear to be paleo Indian sites possibly dating as far back as 12,000 years. This is during the transition between the Pleistocene and Holocene periods. Sites of this age are rare in the Americas. These sites may lend to a better understanding of how humans adapt to global warming. These sites meet criteria for eligibility to the National Register of Historic Places.

The LADWP Boulder Transmission which crosses the Silurian Valley was constructed in 1933. The line was built to service construction of Hoover Dam and transport power to Los Angeles. The Transmission line is listed on the National Register of Historic Places.

Special Designations/Management Plan/Date: NEMO Plan Amendment 2002

Relevance and Importance Criteria:

The Shadow Valley area is contiguous with lands managed for viable desert tortoise (*Gopherus agassizii*) populations to the south of I-15 inside the NPS Mojave National Preserve. Shadow Valley is in conjunction with areas of the Preserve, includes a unique genetic unit within California, as well as provides habitat and supports regionally important populations of desert bighorn sheep and desert tortoise. It also has diverse vegetation types and topography that allows tortoises to respond to climatic variation. The area provides important wildlife landscape connections.

Expansion Area: The expansion area has the following Relevance and Importance Criteria making it worthy of inclusion into the ACEC. The area provided habitat and supports regionally important populations of desert bighorn sheep and desert tortoise. The Silurian Valley has been identified as an important east-west migration corridor important wildlife landscape connections. The area is an important area for bat conservation, identified in the NEMO plan. The Silurian Valley is within the congressionally designated Old Spanish Trail corridor. The historic setting meets criteria for inclusion to the National Register of Historic Places. The segment of the T&T Railroad within the Shadow Valley expansion retains integrity of location, setting, and feeling in that the grade is situated where it was constructed some 105 years ago. The T&T meets criteria for eligibility to the National Register of Historic Places.

National Historic and Scenic Trails: This unit overlaps a portion of the Old Spanish Trail.

Recreation Area: This unit is part of the Shadow Valley ERMA.

Lands with Wilderness Characteristics: This unit contains 17,803 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:

Manage area in accordance with the Desert Tortoise Recovery Plan. Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public uses. Expand to include culturally important areas associated with the Silurian Valley area.

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	95,800	0	NA
Preferred Alternative	168,930	197,534	0	0.5%, 1%
1	44,100	213,600	0	1%
2	136,500	178,000	0	0.25%, 0.5%
3	183,300	213,600	0	0.5%, 1%
4	29,000	95,800**	0	1%

* Acreage values are for BLM managed lands

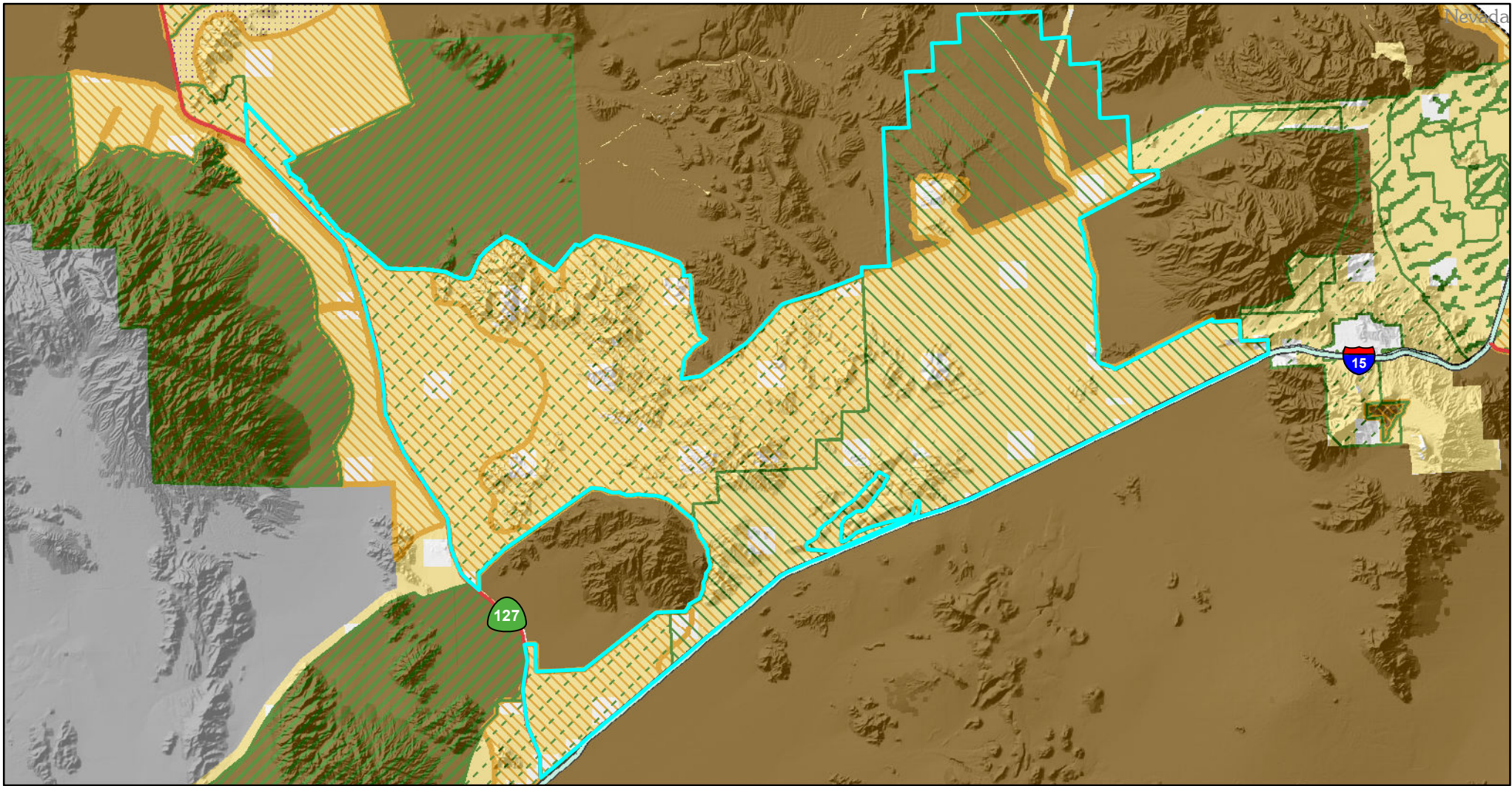
**Acreage value different than in the DEIS due to incorrect calculation in the DEIS.

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Projects will be allowed which do not negatively affect ACEC Relevance and Importance Values.</p> <p>Objective: Retain existing flow regime and volume</p> <p>Action: Secure Federal Reserve Water Rights</p>	Soil, water, air
<p>Unusual Plant Assemblage: Valley Wells Shadscale Assemblage Rare Plants: Mojave milkweed (<i>Asclepias nyctaginifolia</i>) [CNPS 2.1] Tidestrom's milk-vetch (<i>Astragalus tidestromii</i>) [CNPS 2.2] Scaly cloak fern (<i>Astrolepis cochisensis</i> ssp. <i>cochisensis</i>) [CNPS 2.3] King's eyelash grass (<i>Blepharidachne kingii</i>) [CNPS 2.3] Desert pin cushion (<i>Coryphantha chlorantha</i>) [CNPS 2.1] Purple-nerve cymopterus (<i>Cymopterus multinervatus</i>) [CNPS 2.2] Nine-awned pappus grass (<i>Enneapogon desvauxii</i>) [CNPS 2.2] Parish's club-cholla (<i>Grusonia parishii</i>) [CNPS 2.2]</p>	Vegetation (incl. special status species)

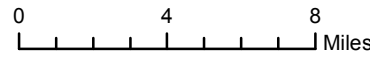
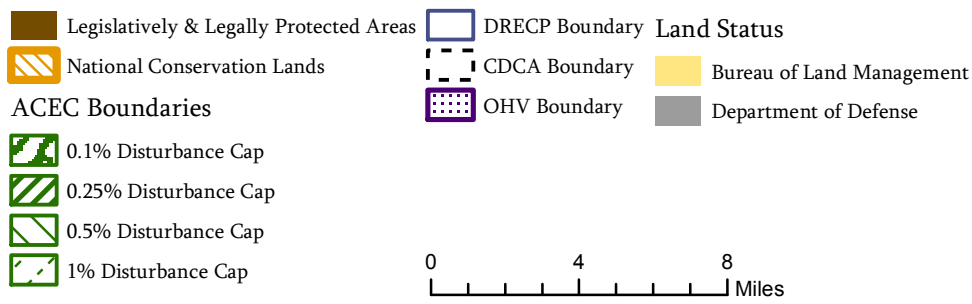
<p>Wing-seed blazing star (<i>Mentzelia pterosperma</i>) [CNPS 2.2] Rusby's desert-mallow (<i>Sphaeralcea rusbyi</i> var. <i>eremicola</i>) [CNPS 1B.2] BLM Sensitive Palmer's jackass clover (<i>Wislizenia refracta</i> ssp. <i>refracta</i>) [CNPS 2.2] Sensitive Natural Communities: Joshua tree woodland. Objective: Maintain or Improve condition of vegetation. Action: Remove invasive plants, rehabilitate/revegetated disturbed areas. Action: Protect populations of special status plants Action: Conserve Joshua tree woodland by monitoring population trends, removing and/or preventing threats, and taking remedial actions when impacts occur. Action: Prohibit the collection of any live vegetation and/or dead and down material.</p>	
<p>Special Status Species: Desert Tortoisepallid bat (<i>Antrozous pallidus</i>) – BLM Sensitive Townsend's Big-eared Bat (<i>Corynorhinus townsendii</i>) – BLM Special Status Species Western small-footed myotis (<i>Myotis ciliolabrum</i>) - BLM Sensitive Fringed myotis (<i>Myotis thysanodes</i>)- BLM Sensitive Yuma myotis (<i>Myotis yumanensis</i>) - BLM Sensitive Long-eared myotis (<i>Myotis evotis</i>) - BLM Sensitive Western mastiff bat (<i>Eumops perotis</i>) - BLM Sensitive Spotted bat (<i>Euderma maculatum</i>) - BLM Sensitive</p> <p>Silurian Valley Sensitive Species Golden Eagle nesting in Silurian Valley area Northern harrier (<i>Circus cyaneus</i>), CDFG Species of Special Concern when breeding Prairie falcon (<i>Falco mexicanus</i>), CDFG Watch List and is listed as a USFWS Bird of Conservation Concern Burrowing owl (<i>Athene cunicularia</i>), CDFG Species of Special Concern when breeding Loggerhead shrike (<i>Lanius ludovicianus</i>), a CDFG Species of Special Concern Le Conte's thrasher (<i>Toxostoma lecontei</i>), a USFWS Bird of Conservation Concern</p> <p>Desert tortoise Prescriptions: - Remove ravens that are known predators to tortoises where there is evidence of predation in or within 1 mile of desert tortoise habitat Boundaries of ACEC will be fenced, signed and patrolled Maintain connectivity across the ACEC and among the surrounding large blocks of wilderness areas</p>	<p>Fish and Wildlife (incl. special status species)</p>
<p>Objective: General Management of Cultural Resources Action Item 1: Ensure that management of cultural resources within the ACEC are consistent with agency responsibilities provided in Section 110 of the National Historic Preservation Act (NHPA).</p>	<p>Cultural Resources</p>

<p>Action Item 2: Ensure that federal actions that may affect historic properties within the ACEC are properly reviewed and considered consistent with the requirements of Section 106 of the NHPA.</p> <p>Action Item 3: Ensure confidentiality of information about sensitive cultural resources consistent with Section 304 of the NHPA and Section 9 of the Archaeological Resources Protection Act.</p> <p>Objective: Establish Baseline Resource Information/Identify and Document Cultural Resources</p> <p>Action Item 1: Survey, identify and record new cultural resources within the ACEC boundaries.</p> <p>Action Item 2: Update records for existing cultural resources within the ACEC.</p> <p>Action Item 3: Integrate survey information into BLM cultural resources management systems (cultural GIS geodatabase)</p> <p>Objective: Evaluate and Nominate Cultural Resources</p> <p>Action Item 1: Utilizing the eligibility criteria of the National Register of Historic Places, complete an evaluation of all cultural resources in the ACEC for eligibility either as an individual historic property or determine whether there significant resources might comprise a district.</p> <p>Action Item 2: Complete nominations to the National Register of Historic Places for significant historic properties.</p> <p>Objective: Identify Threats to Cultural Resources</p> <p>Action Item 1: Develop baseline assessment of specific natural and man-made threats to cultural resources in the ACEC (i.e., erosion, looting and vandalism, grazing, OHV).</p> <p>Objective: Monitoring/Protective Measures</p> <p>Action Item 1: Provide on-going monitoring for cultural resources based on the threat assessment.</p> <p>Action Item 2: Identify, develop or incorporate standard protection measures and best management practices to address threats.</p> <p>Action Item 2: Where specific threats are identified, implement protection measures consistent with agency Section 106 responsibilities.</p> <p>Objective: Interpretation/Public Awareness</p> <p>Action Item 1: Facilitate research, scientific study, and general study of cultural resources within the ACEC.</p> <p>Action Item 2: Where appropriate and with consideration of site protection and confidentiality, develop and provide interpretation to the public about cultural resources, including signs, interpretive panels, web-based information.</p>	
<p>Goal: Designate a system Ground Transportation Linear Features to ensure for appropriate uses on public lands.</p> <p>Action:</p> <ul style="list-style-type: none"> • Outside of wilderness units all legal open roads and/or trails will be signed with identification number/names. • All roads and/or trails identified as closed will be rehabilitated and 	<p>Trails and Travel Management</p>

<p>restored.</p> <ul style="list-style-type: none"> Restore all undesignated roads or trails. Provide routine maintenance of the designated roads and trails system including installation of routine signs, markers, cairns, culverts, ditches, water bars, barriers, gates, cattleguards on/or adjacent to system roads and trails. 	
<p>Refer to the Shadow Valley Extensive Recreation Management Area (ERMA) write-up for detailed objectives, allocations, and management direction. Goal: Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities, and to ensure public health and safety; Action:</p> <ul style="list-style-type: none"> Provide interpretive, directional, and regulatory signs and materials as necessary to provide public information and reduce impacts from recreational use. Allow SRP events which do not negatively affect ACEC Relevance and Importance Values. Allow stopping and parking within 25 feet, and camping within 100 feet of designated routes. Manage recreational shooting consistent with state and local laws. Issuance of Special Recreation Permits which do not negatively affect ACEC Relevance and Importance Values. 	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>Closed to renewable energy development. 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
<p>Open mineral entry w/ stipulations</p>	Locatable Minerals Mineral Materials Non-energy Leasables
<p>Management of livestock grazing</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>Action: Cattle allotments will be retired after grazing permits/leases are relinquished.</p> <p>Action: Fire loads may be managed through herbivory (sheep and goat) treatment of smaller live fuels areas.</p>	Livestock grazing



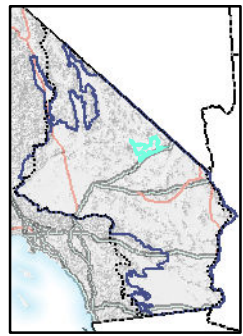
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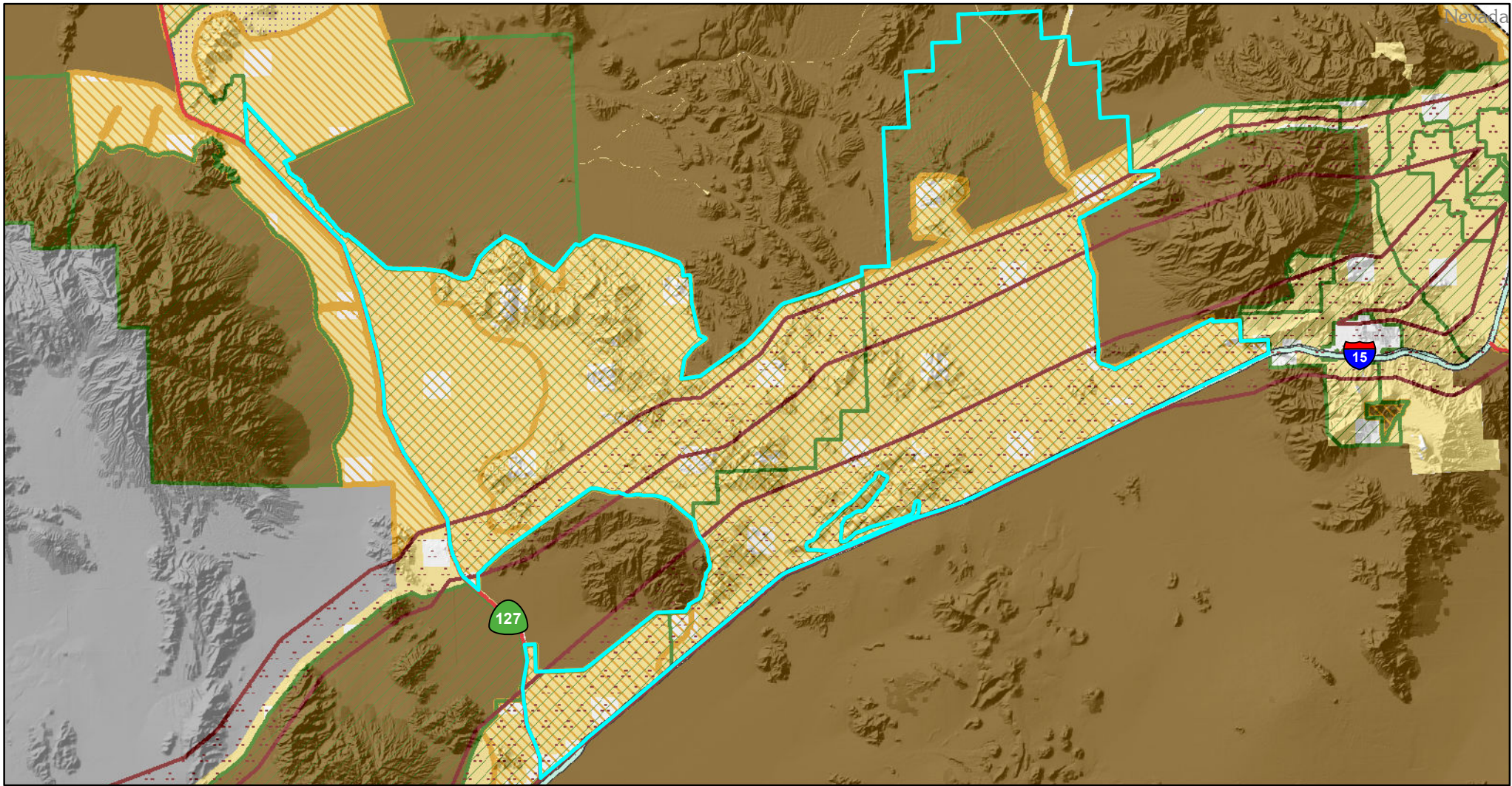


Shadow Valley




9/8/2015





Draft Map Boundaries Subject to Change







Conservation Footprint

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

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor
-  OHV Boundary

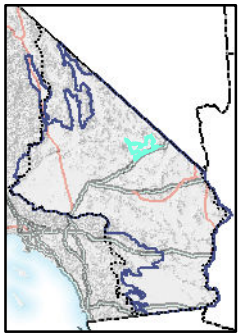
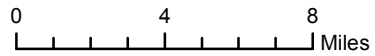
Land Status

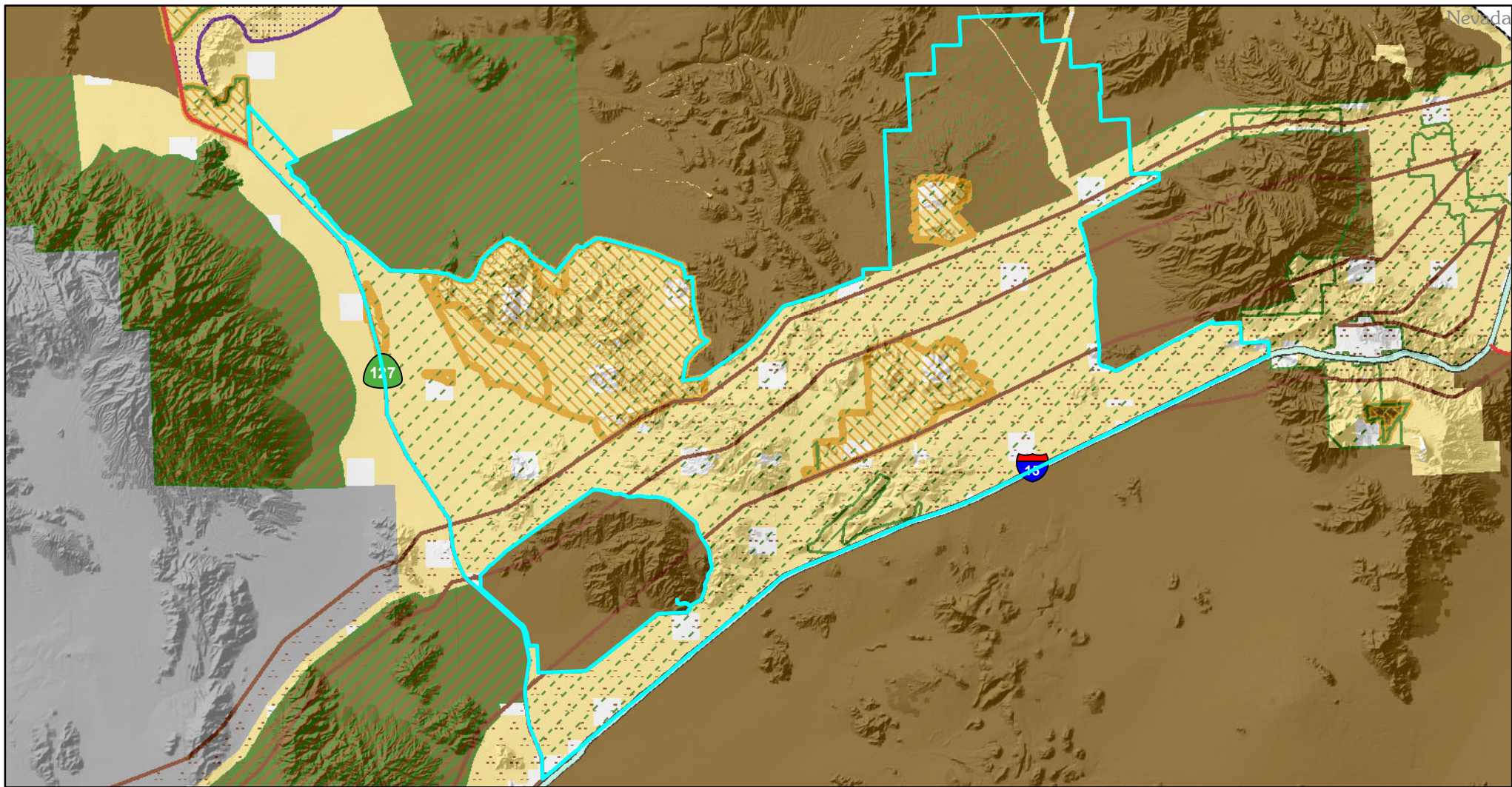
-  Bureau of Land Management
-  Department of Defense

Shadow Valley

9/8/2015

Draft Map Boundaries Subject to Change





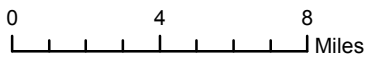
Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- ACEC Boundaries**
- 0.25% Disturbance Cap
- 1% Disturbance Cap

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

Land Status

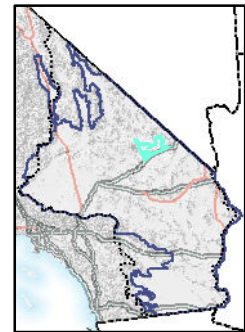
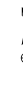
- Bureau of Land Management
- Department of Defense

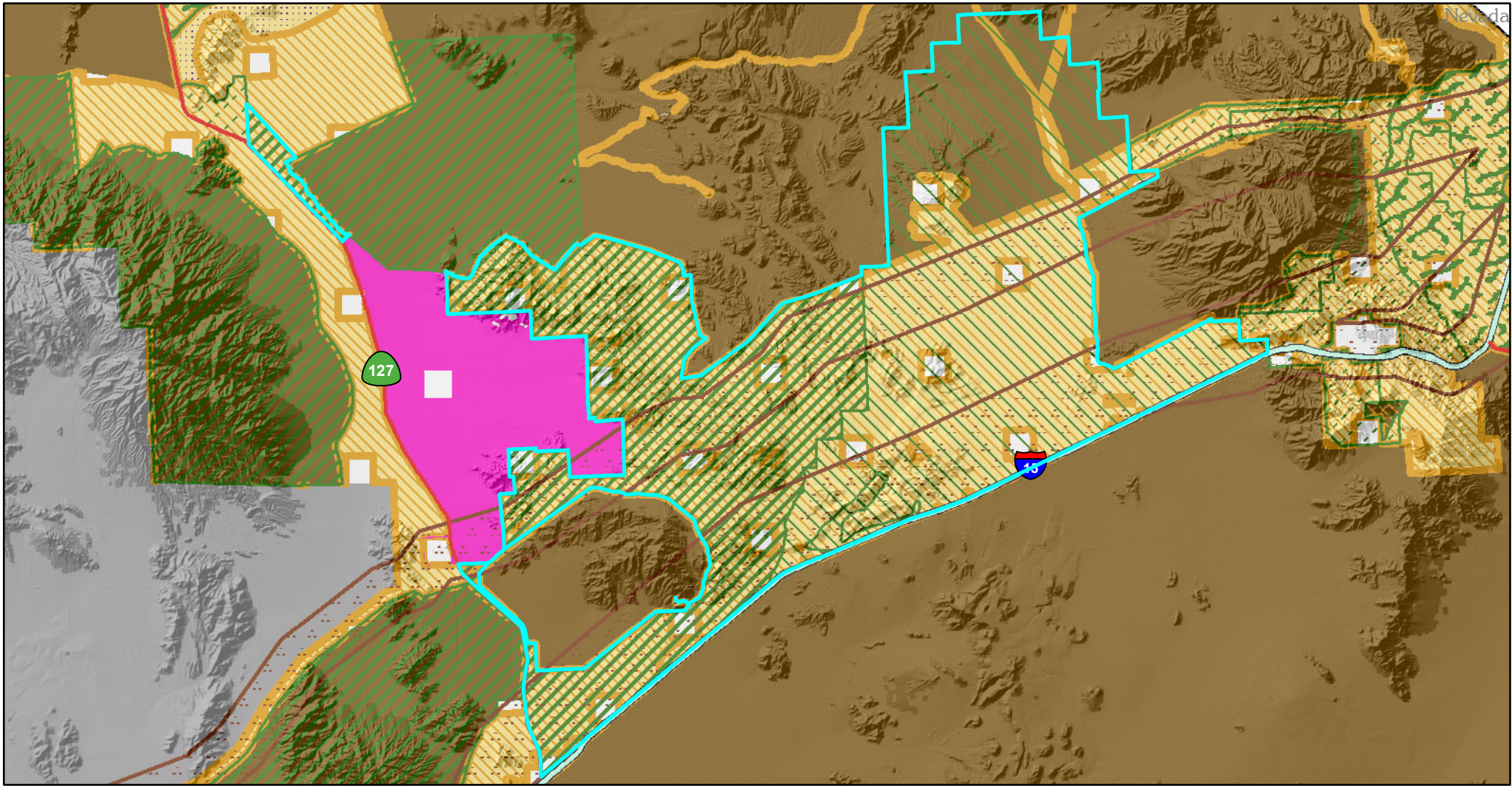


**Shadow Valley
Alternative 1**

9/8/2015

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

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

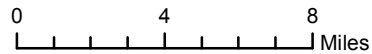
Renewable Footprint

Development Focus Areas

Land Status

Bureau of Land Management

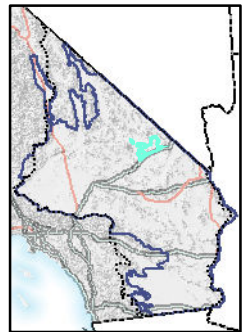
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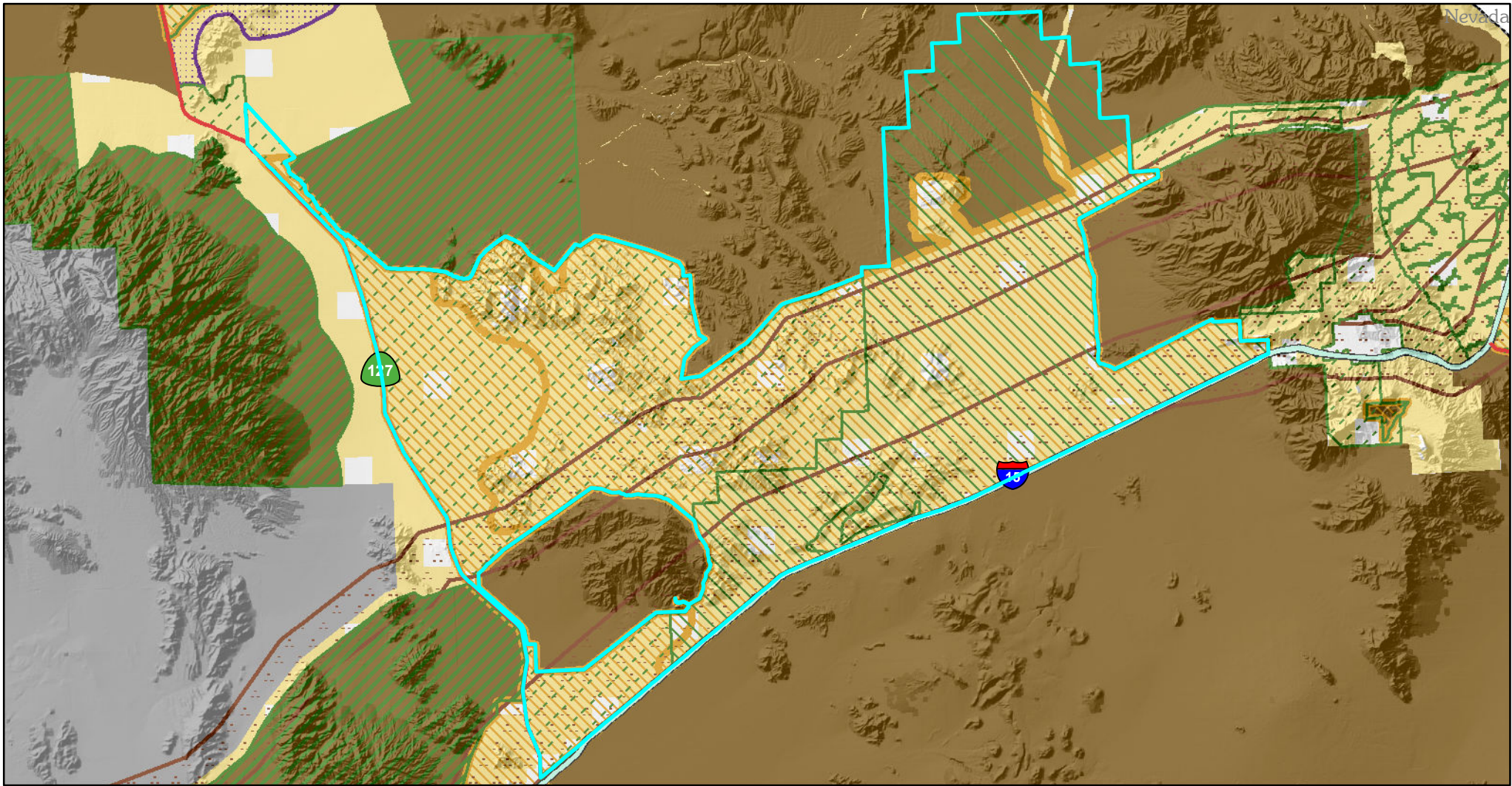


**Shadow Valley
Alternative 2**

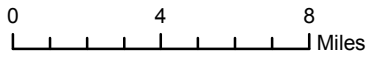
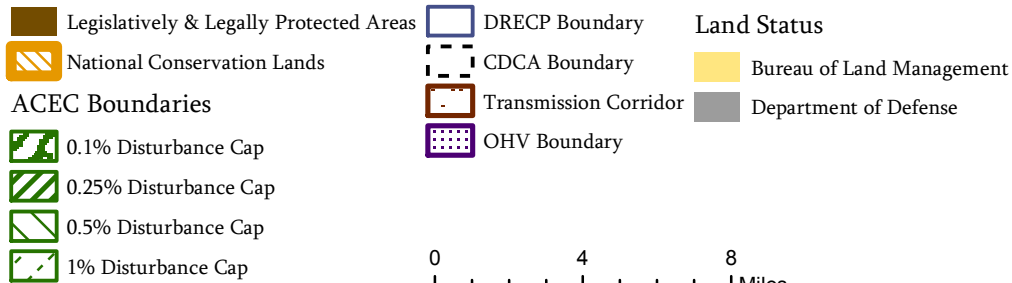
9/8/2015

Draft Map Boundaries Subject to Change





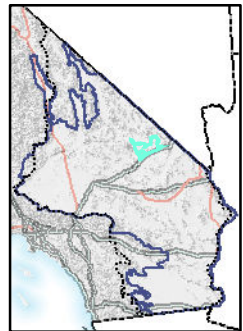
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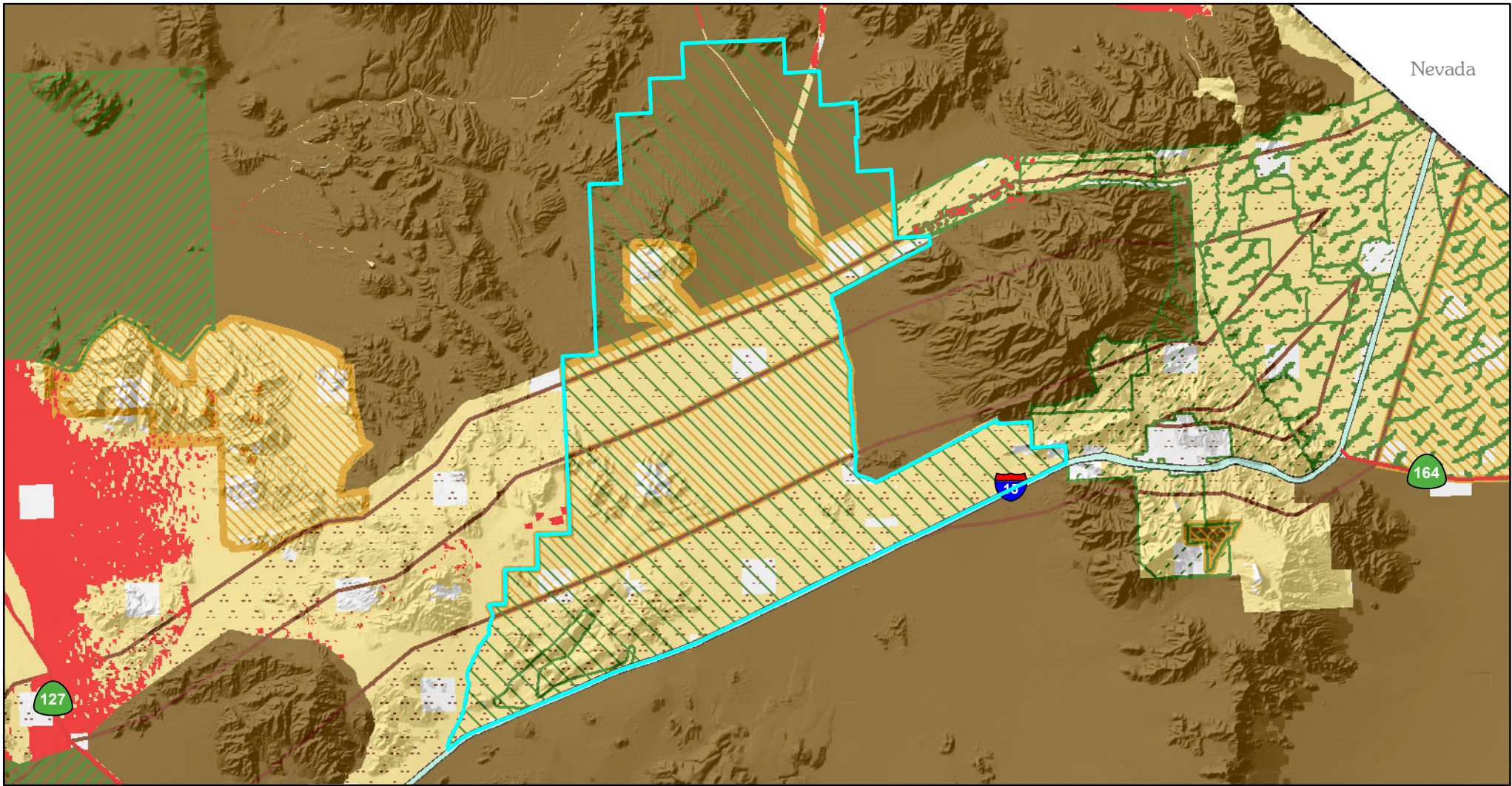


Shadow Valley
Alternative 3

9/8/2015

Draft Map Boundaries Subject to Change





Nevada

Conservation Footprint

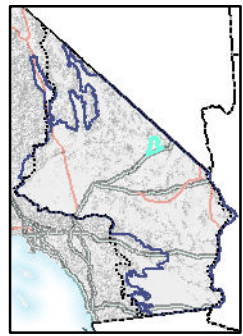
National Conservation Lands	DRECP Boundary	Land Status
Legislatively & Legally Protected Areas	CDCA Boundary	Bureau of Land Management
ACEC Boundaries	Transmission Corridor	
0.1% Disturbance Cap	Renewable Footprint	
0.25% Disturbance Cap	Variance Lands	
0.5% Disturbance Cap		
1% Disturbance Cap		

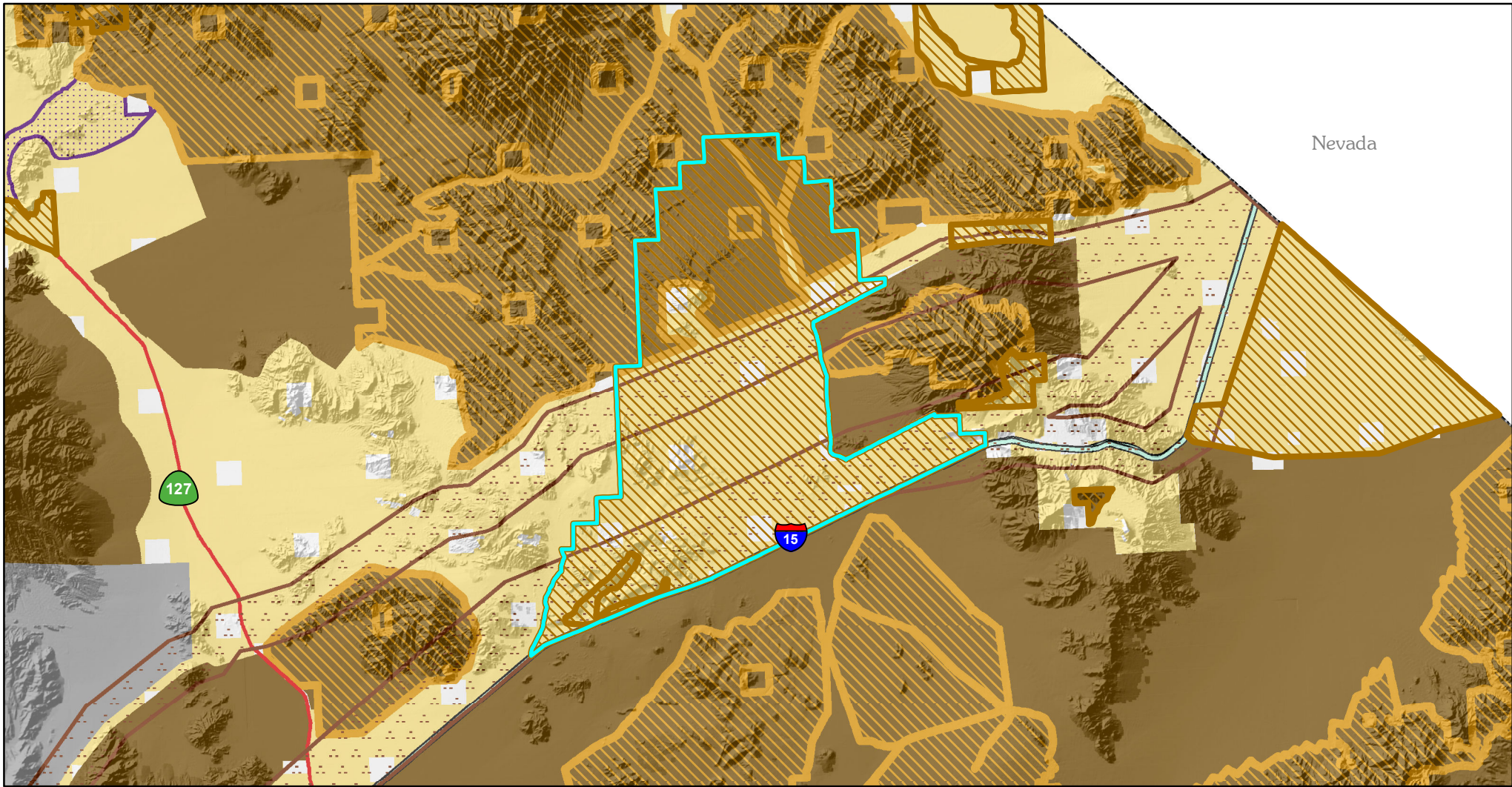
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Shadow Valley
Alternative 4

9/8/2015

Draft Map Boundaries Subject to Change

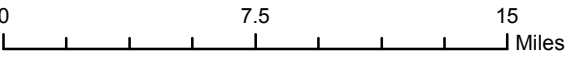




Conservation Footprint

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

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



Shadow Valley DWMA

No Action

9/15/2015

Draft Map Boundaries Subject to Change

