









-  ACEC Boundaries
-  CDNCL Boundaries
-  DRECP Ecoregion
-  DRECP Boundary
-  CDCA Boundary
-  LLPA

Land Status

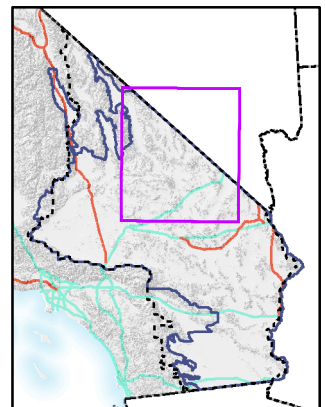
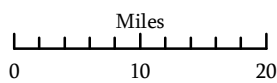
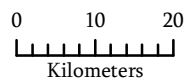
-  Bureau of Land Management
-  Department of Defense

Kingston - Amargosa

Ecoregion

7/28/2016

BLM California State Office



Kingston-Amargosa
Subregion ACEC Units

Unit Name	Map #	Page Number for Special Unit Management Plan
Amargosa North	3	241
Amargosa South	4	249
Halloran Wash	51	260
Ivanpah	56	267
Kingston Range	59	274
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Mountain Pass/Dinosaur Trackway	76	287
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Amargosa North

California Desert 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 designation incorporates and subsumes part of the existing Amargosa River unit.

Nationally Significant Values:

Ecological: The Amargosa River North unit 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: The existing Amargosa River and Carson Slough ACECs were designated in the 2002 Northern and Eastern Mojave Desert plan amendment to the CDCA plan. Amargosa River Unit Plan in preparation.

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 18,507 acres of lands that would be managed to protect wilderness character. 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 with the CMAs included in the LUPA, 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.

This area is included in the California Desert 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 the LUPA. 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:

BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
114,970	115,890	0	1%

* Acreage values are for BLM managed lands

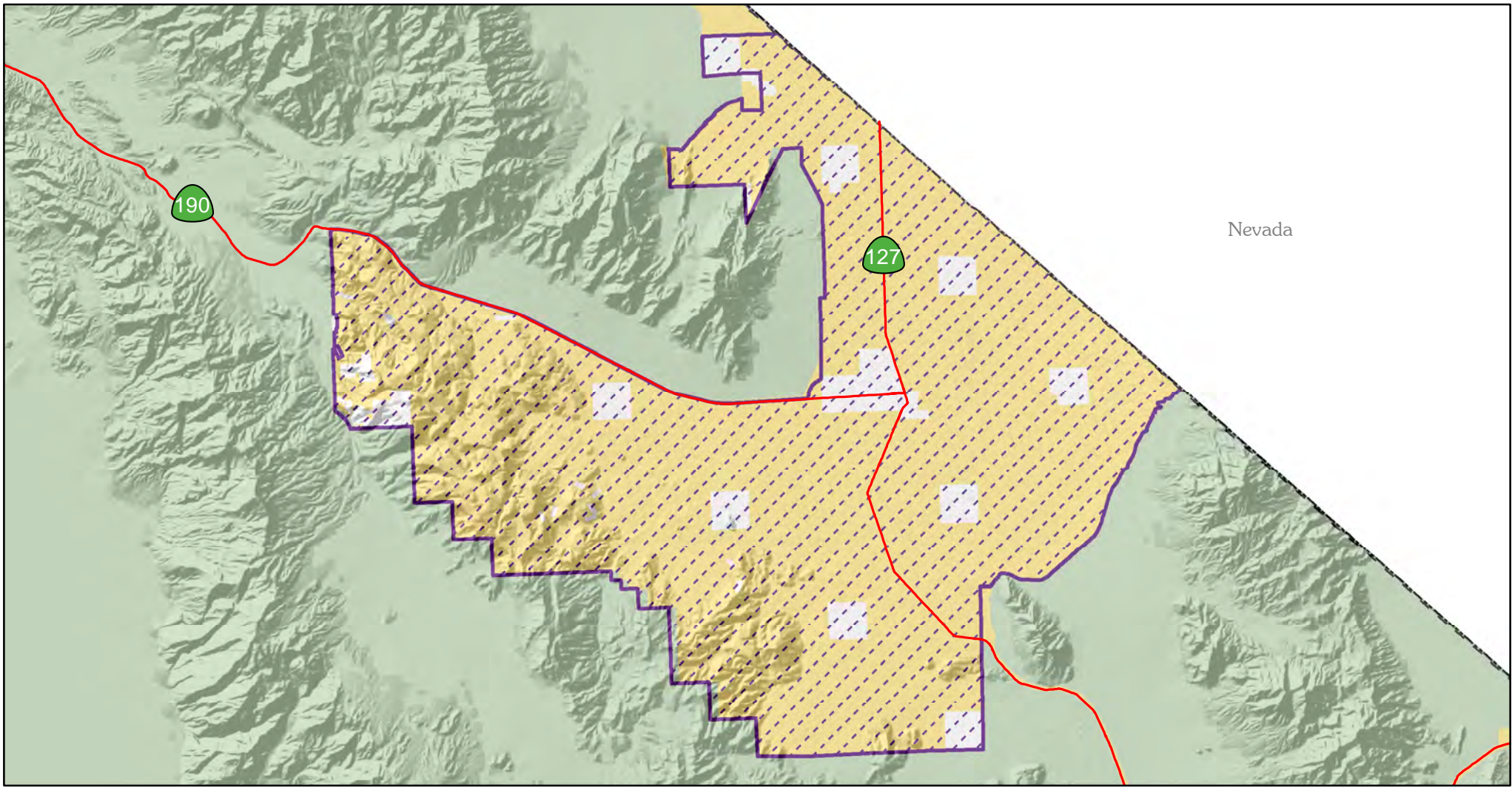
Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Retain existing flow regime and volume</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Identify, assert, and actively protect the AWSR and Kingston Range Wilderness Federal Reserve Water Rights • 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>Objective: Conserve and Protect Water Resources Essential to Maintenance of Other Valued Resources and Habitats</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Prohibit new non-administrative, discretionary stream diversions and groundwater-disturbing activities on public lands within the unit • File for appropriated water rights to conserve existing water sources that support the unit's resources and values • Monitor surface water quality at pre-selected locations to gauge condition and trend 	Soil, water, air

<ul style="list-style-type: none"> • Identify, map, model, and monitor groundwater sources and springs within the unit • Monitor water uses from new BLM land use authorizations within the California portion of the Amargosa watershed <p>Objective: Conserve soils and soil properties in the unit</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Conduct an Order III soil survey for the unit that will include a series or association level vegetation map for the unit. <p><i>Amargosa River Unit</i></p> <p>Objective: Manage Amargosa River drainage to ensure stability of natural resources dependent upon continued water flow</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Develop projects to prevent degradation of hydrologic resources 	
<p>Objective: Maintain or Improve condition of vegetation communities</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Protect Unusual Plant Assemblages: Mesquite bosque Salt and brackish water marshes • Remove invasive plants, rehabilitate/revegetated disturbed areas Protect populations Amargosa niterwort (<i>Nitrophila mohavensis</i>), Gumplant (<i>Grindelia fraxino-pratensis</i>), Tecopa bird's-beak (<i>Chloropyron tecopense</i>), robust Hoffmann's buckwheat (<i>Eriogonum hoffmannii</i> var. <i>robustus</i>), and Death Valley sandpaper-plant (<i>Petalonyx thurberi</i> ssp. <i>gilmanii</i>) <p>Objective: Monitor the condition of vegetation to inform adaptive management of vegetation in the unit</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Conduct multi-year surveys to establish a vegetation baseline in the unit, including populations of listed and sensitive plant species • Monitor changes in vegetation over time, once a baseline is established • Monitor suitable listed and sensitive plant habitat • Track population trends • Identify additional recovery needs • thresholds for substantial change that would trigger the reevaluation of conservation strategies <p>Objective: Reduce non-native riparian plants along the Amargosa River, especially tamarisk</p>	<p>Vegetation – Including special status species</p>

<p>Management Actions:</p> <ul style="list-style-type: none"> • 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 • Implement, as needed, a controlled burn program to enhance weed control projects and/or to eliminate refuse from mechanical removal • Restore riparian zones as needed by reintroducing native riparian plant species in areas of weed control and other priority damaged areas • 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 • Prohibit non-restoration related fires on public lands within the unit <p>Objective: Protect populations and habitats of listed and rare plant species</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Maintain existing protective fences • Fence and restore closed vehicle routes • Put in place signs identifying known populations that people or other disturbances are impacting • Protect all populations and habitat for listed plants <p><i>Amargosa River Unit</i></p> <p>Objective: Maintain or improve condition of vegetation communities</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Remove tamarisk in the unit and allow for native plant growth 	
<p>Objective: Protect threatened and endangered (listed) species and their habitat by preventing irreparable damage</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • 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 • Monitor and evaluate habitat trends and conditions specific to listed species on public lands throughout the unit • Work with private landowners, the State, and other federal agencies to identify listed species habitat and habitat trends throughout the unit • Inventory invertebrate populations and assemblages in the unit <p>Special Status Species include: 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>Fish and Wildlife – Including special status species</p>

<p><i>Amargosa River Unit</i> Objective: Maintain or improve condition of wildlife habitat</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Remove invasive plants, rehabilitate/revegetated disturbed areas • Protect populations of special status animals <p>Special Status Species include: 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> <p>Management Actions:</p> <ul style="list-style-type: none"> • Designated routes will be signed and managed in accordance with the local Travel Management Plan, as funding allows. • Un-authorized 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:</p> <ul style="list-style-type: none"> • Post signs and block access as funding allows 	Trails and Travel Management
<p>Objective: Provide recreation opportunities that are consistent with resource protection</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • 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 • Eliminate bathing at hot springs in the unit • Consider prohibiting the discharge of firearms on public lands within the unit except for shotguns used in legal hunting • Prohibit overnight camping on public lands within the Amargosa South Unit • No camping in critical habitat of ESA-listed species • No camping along the Amargosa River • Restrict camping away from sensitive habitat areas 	Recreation

<p>Objective: Provide dispersed opportunities for enjoyment of the unit attributes</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Develop a localized trail plan • Develop an interpretive plan • Restricted vehicle camping to within 100ft of the centerline of designated routes <p><i>Amargosa River Unit</i></p> <p>Objective: Reduce OHV impacts on ACEC resources.</p> <p>Allowable Uses: OHV use is limited to designated routes.</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Post interpretive and educational signs along highly used routes in order to promote the ACEC values as well as compliance with regulations 	
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Prioritize for acquisition areas identified in the 1983 ACEC Plans and lands in the expanded unit that contain significant resource values • Acquire State lands within the unit through exchange. • Acquire inholdings, edgeholdings and other interests from willing sellers. 	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action:</p> <ul style="list-style-type: none"> • 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)
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Protect biological and cultural resources</p> <p>Allowable Uses: Open mineral entry w/ stipulations</p>	Locatable Minerals Mineral Materials Non-energy Leasables
<p>Objective: Protect biological and cultural resources</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Maintain Death Valley Junction as a small herd Management Area 	Wild Horse and Burro



ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

LLPA

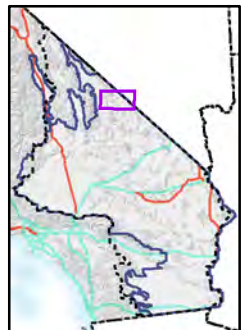
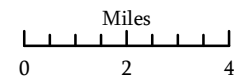
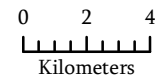
Land Status

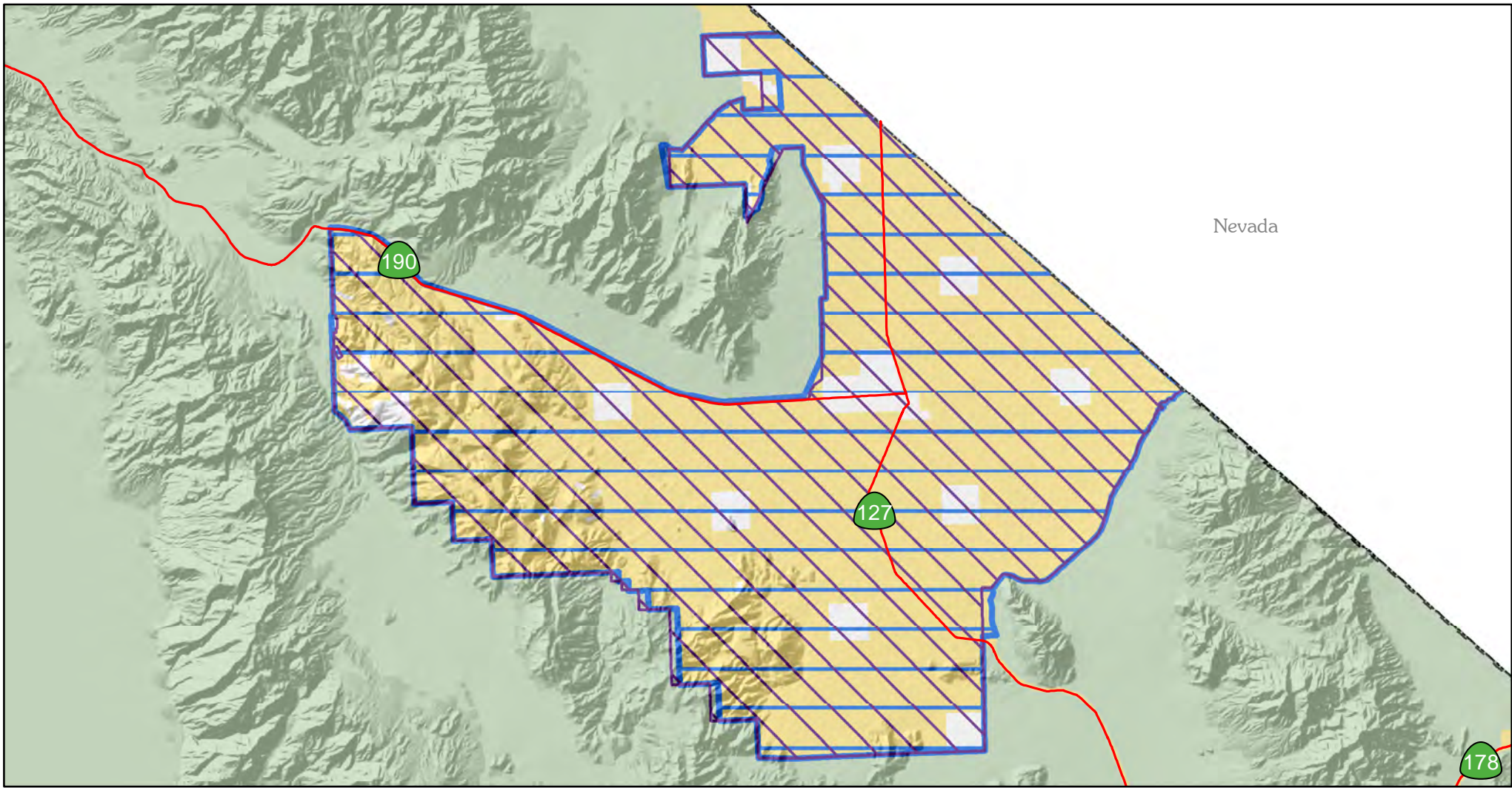
Bureau of Land Management







Amargosa North ACEC

7/20/2016

BLM California State Office



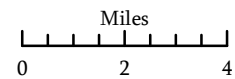
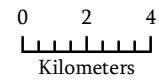


-  ACEC Boundaries
-  CDNCL Boundaries
-  DRECP Boundary
-  CDCA Boundary
-  LLPA
- Land Status**
-  Bureau of Land Management

Amargosa North ACEC and Surrounding BLM Designations

7/21/2016

BLM California State Office



Amargosa South

California Desert 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 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: The California Desert Conservation Area (CDCA) Plan of 1980 established the Grimshaw Lake /Amargosa Canyon Natural Areas of Critical Environmental Concern. In 1983, the Management Plan for the ACEC divided the single ACEC into two separate ACEC's, the Amargosa Canyon Natural Area, and Grimshaw Lake Natural Area ACECs. In 2002 the Northern and Eastern Mojave Desert Plan amendment to the CDCA plan provided for the designation again of a single ACEC, with the Amargosa Canyon Natural Area, and Grimshaw Lake Natural Area as distinct areas within the Amargosa River ACEC. The Amargosa River ACEC Plan (encompassing Grimshaw Lake) is in preparation.

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

Amargosa Canyon: 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 with the CMAs included in the LUPA, 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.

This area is included in the California Desert 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. 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:

BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
142,650	147,930	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>Management Actions:</p> <ul style="list-style-type: none"> • Prohibit new non-administrative, discretionary stream diversions and groundwater-disturbing activities on public lands within the ACEC • Quantify, assert, and protect Federal Reserve water rights for Kingston Range Wilderness, the Amargosa Wild and Scenic River, and Public Water Reserves • File for appropriated water rights to conserve existing water sources that support the ACEC's resources and values • Install and maintain stream monitoring equipment to quantify flows in the Amargosa Canyon • Monitor surface water quality at pre-selected locations to gauge condition and trend • Identify, map, and monitor groundwater sources and springs within the ACEC • Monitor water uses from new BLM land use authorizations within the California portion of the Amargosa watershed <p>Objective: Conserve soil resources to maintain other valued resources and habitats</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Conduct an Order III soil survey for the ACEC that will include a series or association level vegetation map for the ACEC <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:</p> <ul style="list-style-type: none"> • Develop projects to prevent degradation of hydrologic resources 	<p>Soil, water, air</p>

<p>Objective: Maintain or Improve condition of vegetation</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Remove invasive plants, rehabilitate/revegetated disturbed areas • Protect populations of special status plants and Unusual Plant Assemblages <p>Objective: Monitor the condition of vegetation to inform adaptive management of vegetation in the ACEC</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Conduct multi-year surveys to establish a vegetation baseline in the ACEC, including populations of listed and sensitive plant species • Monitor changes in vegetation over time, once a baseline is established • Monitor suitable listed and sensitive plant habitat • Track population trends • Identify additional recovery needs • Identify thresholds for substantial change that would trigger the reevaluation of conservation strategies <p>Objective: Reduce non-native riparian plants along the Amargosa River, especially tamarisk</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • 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 • Implement, as needed, a controlled burn program to enhance weed control projects and/or to eliminate refuse from mechanical removal • Restore riparian zones as needed by reintroducing native riparian plant species in areas of weed control and other priority damaged areas • 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 • Prohibit non-restoration related fires on public lands within the ACEC <p>Objective: Protect populations and habitats of listed and rare plant species</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Maintain existing protective fences • Fence and restore closed vehicle routes • Put in place signs identifying known populations that people or other disturbances are impacting 	<p>Vegetation – Including special status species</p>
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<p>Objective: Maintain riparian habitat quality</p> <p>Management Action:</p> <ul style="list-style-type: none"> Remove tamarisk in Natural Area and allow for native plant growth <p>Species of concern include:</p> <p>Tecopa bird's-beak (<i>Chloropyron tecopense</i>) Amargosa beardtongue(<i>Penstemon fruticiformis</i> var. <i>amargosae</i>) Stephens' beardtongue(<i>Penstemon stephensii</i>) Pahrump orache (<i>Atriplex argentea</i> var. <i>longitrichoma</i>) forked buckwheat (<i>Eriogonum bifurcatum</i>) Kingston Mountains bedstraw (<i>Galium hilendiae</i> ssp. <i>Kingstonense</i>) Kingston Mountains ivesia (<i>Ivesia patellifera</i>) Clark Mountain monardella (<i>Monardella eremicola</i>) Parish's phacelia (<i>Phacelia parishii</i>) Rusby's desert-mallow (<i>Sphaeralcea rusbyi</i> var. <i>eremicola</i>)</p> <p>Grimshaw Lake</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</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>Unusual Plant Assemblages:</p> <ul style="list-style-type: none"> - Mesque bosque - Salt and brackish water marshes - Cottonwood Gallery Forest/Woodland 	
<p>Objective: Protect sensitive species and their habitat by preventing irreparable damage</p> <p>Management Actions:</p> <ul style="list-style-type: none"> Reduce the numbers of exotic fauna in habitats of listed species habitats using protocols in the ACEC appendix to respond to: house mouse (<i>Mus musculus</i>); free-roaming and/or feral domestic cats; brown-headed cowbirds; and other species as identified 	<p>Fish and Wildlife – Including special status species</p>

- 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
- 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
- Construct a vehicle barrier at the mouth of Cowboy Canyon to protect riparian habitat of listed species
- Survey for populations of Amargosa River pupfish (*Cyprinodon nevadensis amargosae*) and the Amargosa Canyon speckled dace (*Rhinichthys osculus* ssp.1)
- Monitor and evaluate habitat trends and conditions specific to listed species on public lands throughout the ACEC
- Work with private landowners, the State, and other federal agencies to identify listed species habitat and habitat trends throughout the ACEC
- Inventory invertebrate populations and assemblages in the ACEC associated with caves and springs
- Monitor sensitive fish and invertebrate microhabitats to identify trends and threats

Species of concern include:

Amargosa vole

Death Valley agabus diving beetle (*Agabus rumpfi*)

Shoshone Cave whip-scorpion (*Hubbardia shoshonensis*)

Death Valley June beetle (*Polyphylla erratica*)

Shoshone Cave harvestman(*Texella Shoshone*)

Amargosa naucorid bug (*Pelacorix shoshone*)

Pallid bat

Townsend's big-eared bat

Long-legged myotis (*Myotis volans*)

Kingston Mountain chipmunk(*Neotamias panamintinus acrus*)

Mojave fringed toed lizard

Nelson's bighorn sheep

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

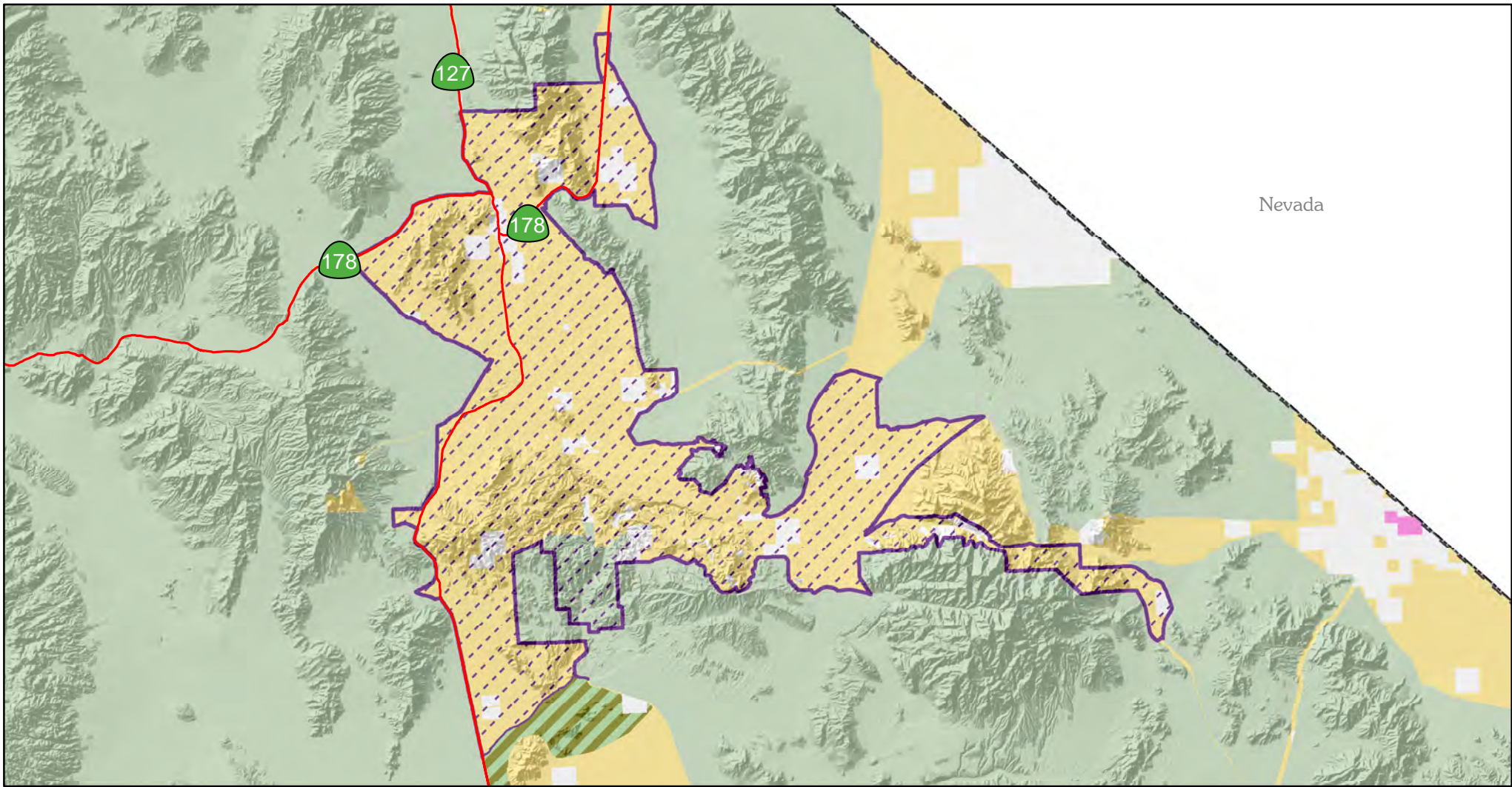
Lucy's Warbler – BLM sensitive species

Virginia's Warbler – CDFG species of concern

<p>Yellow warbler – CDFG species of concern Summer Tanager – CDFG species of concern Amargosa pupfish and Shoshone pupfish</p> <p>Amargosa Canyon</p> <ul style="list-style-type: none"> - speckled dace (<i>Rhinichthys osculus</i> ssp. 1) <p>Grimshaw Lake</p> <ul style="list-style-type: none"> - Least Bell’s Vireo - Amargosa vole - Yellow-billed cuckoo - Amargosa River Pupfish - Speckled Dace 	
<p>Objective: Implement new Wild and Scenic River Trail Plan (under development)</p> <p>Allowable Uses: OHV use is limited use to designated routes as per the local Travel Management plan.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • 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. • Build an OHV exclusion barrier at the trailhead of the rerouted northern end of the Tecopa Trail and restore the previous trailhead, as needed • Evaluate open route in Tecopa Marsh for closure in local travel management plan • Continue existing closure around Tecopa as designated in local travel management plan (approximately 10,000 acres) <p>Objective: Limit OHV impacts on resources at Grimshaw Lake and Amargosa Canyon</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Post interpretive signs along highly used routes as funding is available <p>Objective: Control vehicle access to Amargosa Canyon</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Post signs and implement actions to block access as funding is available 	<p>Trails and Travel Management</p>

<p>Objective: Provide dispersed opportunities for enjoyment of the ACEC attributes</p> <p>Allowable Uses: camping and dispersed recreation</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Post interpretive signs along highly used routes as funding is available <p>Note: Refer to the Tecopa Pass Historic Trails and Amargosa/Grimshaw Special Recreation Management Area (SRMA) plans for detailed objectives, allocations, and management direction.</p>	<p>Recreation</p>
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Prioritize areas identified in the 1983 ACEC Plans and lands in the expanded ACEC that contain significant resource values • Acquire State lands within the ACEC through exchange. • Acquire inholdings, edgeholdings and other interests from willing sellers. <p>Objective: Increase protection of sensitive resources present within the Grimshaw Lake area through protective withdrawal of public lands</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Submit request that public lands within the Natural Area be withdrawn from appropriation under the public land laws <p>Objective: Provide for uniform management of wetland habitats in basin through cooperative effort with interested landowners</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Acquire private lands near ACEC that contain standing water/marsh/T&E habitat through exchange <p>Objective: Provide for long term management of private and state lands within Amargosa Canyon</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Acquire private and State lands in central canyon area through land exchange, and/or coordinate land management with private and State owners 	<p>Land Tenure</p>

<p>Objective: Protect resource values</p> <p>Allowable Uses: No ROWs in critical habitat, no ROWs that alter groundwater regimes</p> <p>Management Action:</p> <ul style="list-style-type: none"> 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>
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	<p>Renewable Energy</p>
<p>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>Note: 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 regulations including the achievement of standards and guidelines.</p>	<p>Livestock</p>
<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:</p> <ul style="list-style-type: none"> Attempt to purchase private mines and rehabilitate, closed to mining within Amargosa Canyon 	<p>Locatable Minerals Mineral Materials Non-energy Leasables</p>



ACEC Boundaries

1% Disturbance Cap

Renewable Footprint

DFA

DRECP Boundary

CDCA Boundary

LLPA

Open OHV Areas

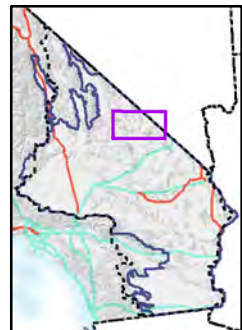
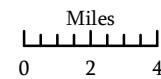
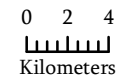
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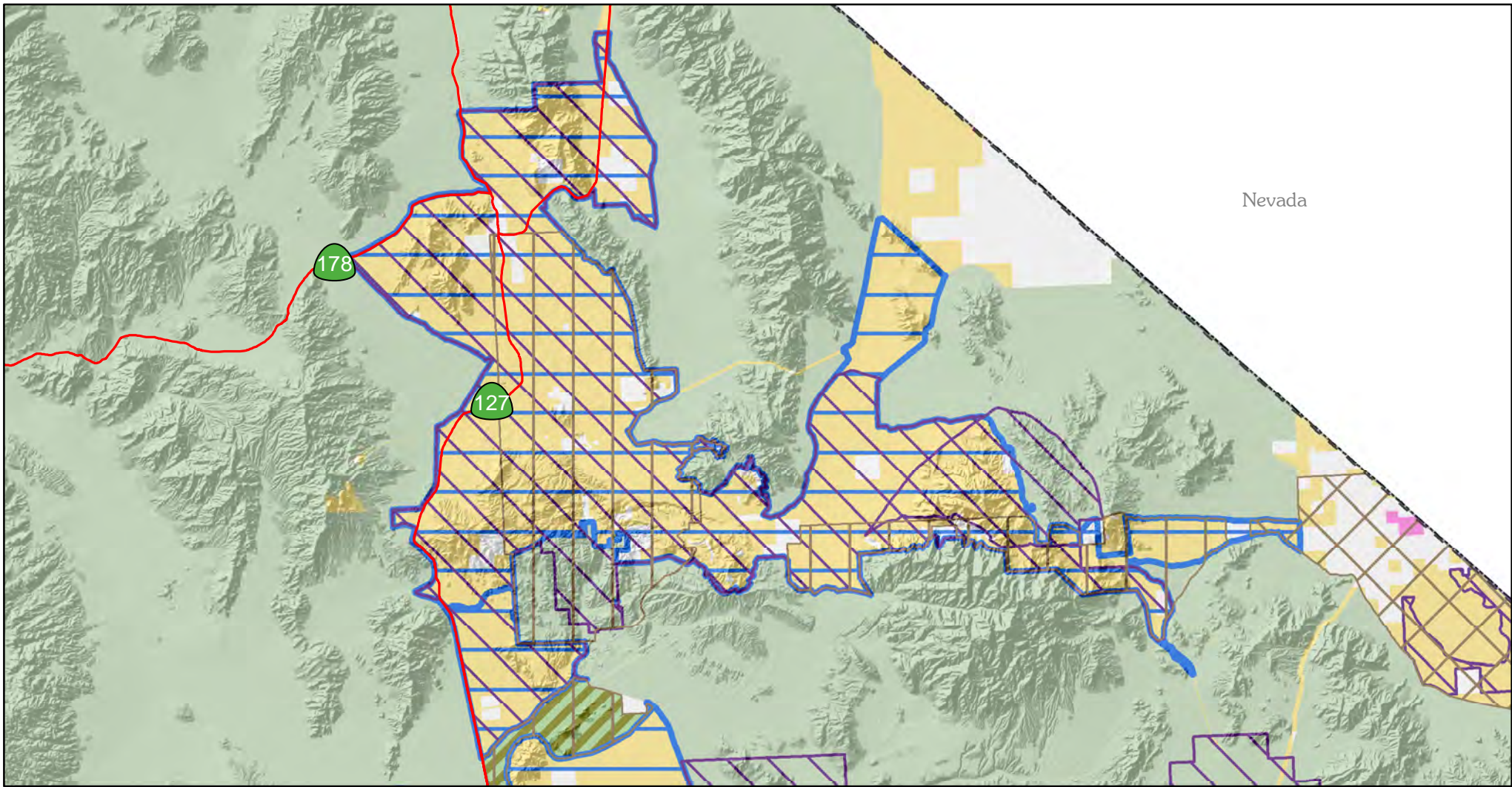
Bureau of Land Management











Amargosa South ACEC

7/20/2016

BLM California State Office



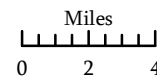
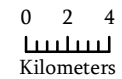


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|--|---|
|  ERMA Boundaries |  DRECP Boundary |
|  SRMA Boundaries |  CDCA Boundary |
|  ACEC Boundaries |  LLPA |
|  CDNCL Boundaries |  Open OHV Areas |
| Renewable Footprint | Land Status |
|  DFA |  Bureau of Land Management |

Amargosa South ACEC and Surrounding BLM Designations

7/21/2016

BLM California State Office



Halloran Wash

California Desert 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 with the CMAs included in the LUPA, 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.

This area is included in the California Desert 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 the LUPA. 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:

BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
1,740	1,740	0	0.5%

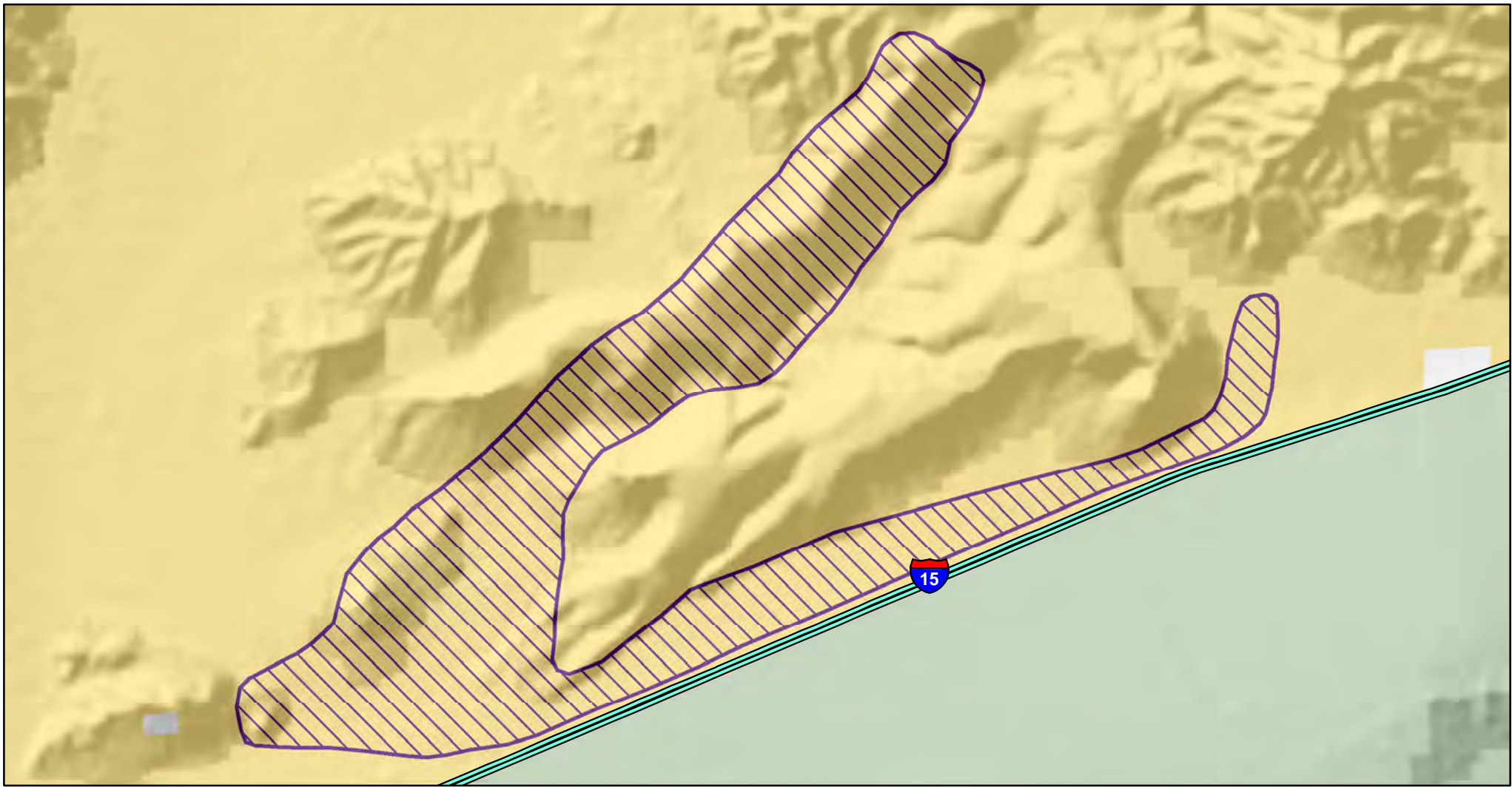
* Acreage values are for BLM managed lands

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
Objective: Maintain proper functioning condition of soils and vegetation.	Soil, water, air
Objective: Maintain and protect characteristic vegetation communities. Management Actions: <ul style="list-style-type: none"> • Monitor populations of special status plants • Promote a policy of fire suppression in this ACEC while employing tactics which reduce impacts to native vegetation communities 	Vegetation (incl. special status species)
Objective: Monitor and maintain populations of special status species, game animals, and other characteristic species.	Fish and Wildlife (incl. special status species)
Objective: Determine if the designation of the ACEC for cultural resources is warranted. Management Action: <ul style="list-style-type: none"> • Conduct archaeological studies to determine the archaeological potential of the area. Objective: Provide for the General Management of Cultural Resources Management Actions: <ul style="list-style-type: none"> • 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). • 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. • Ensure confidentiality of information about sensitive cultural resources consistent with Section 304 of the NHPA and Section 9 of the Archaeological Resources Protection Act. Objective: Establish Baseline Resource Information/Identify and Document Cultural Resources	Cultural Resources

<p>Management Actions:</p> <ul style="list-style-type: none"> • Survey, identify and record new cultural resources within the ACEC boundaries. • Update records for existing cultural resources within the ACEC. • Integrate survey information into BLM cultural resources management systems (cultural GIS geodatabase) <p>Objective: Identify Threats to Cultural Resources</p> <p>Management Action:</p> <ul style="list-style-type: none"> • 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>Objective: Provide for Monitoring/Protective Measures</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Provide on-going monitoring for cultural resources based on the threat assessment. • Identify, develop or incorporate standard protection measures and best management practices to address threats. • Where specific threats are identified, implement protection measures consistent with agency Section 106 responsibilities. • Install cable fencing and signage to deter vehicle use off of designated routes. <p>Objective: Interpretation/Public Awareness</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Facilitate research, scientific study, and general study of cultural resources within the ACEC. • Where appropriate and with consideration of site protection and confidentiality, develop and provide information to the public about cultural resources, including signs, interpretive panels, web-based information. 	
<p>Objective: Give priority to protecting viewsheds and cultural landscapes from designated access roads.</p>	<p>Visual Resources</p>

<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.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • All designated roads and trails will be signed including road or trail number/name. • As funding allows, all roads and trails identified as closed will be rehabilitated/restored. • As funding allows, 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>Objective: Protect sensitive species and habitat, and cultural sites. Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities and to ensure public health and safety.</p> <p>Management Actions:</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>Note: 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>Recreation</p>
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Acquire inholdings, edgeholdings and other interests from willing sellers. 	<p>Land Tenure</p>

<p>Objective: Protect resource values of the ACEC</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • 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. • Limit linear ROWs to designated corridors. <p>Note: Utility Corridor BB incorporates most of the ACEC</p>	Rights of Way
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Allowable Uses: 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



ACEC Boundaries

0.5% Disturbance Cap

DRECP Boundary

CDCA Boundary

LLPA

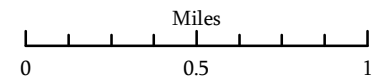
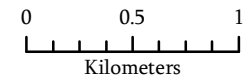
Land Status

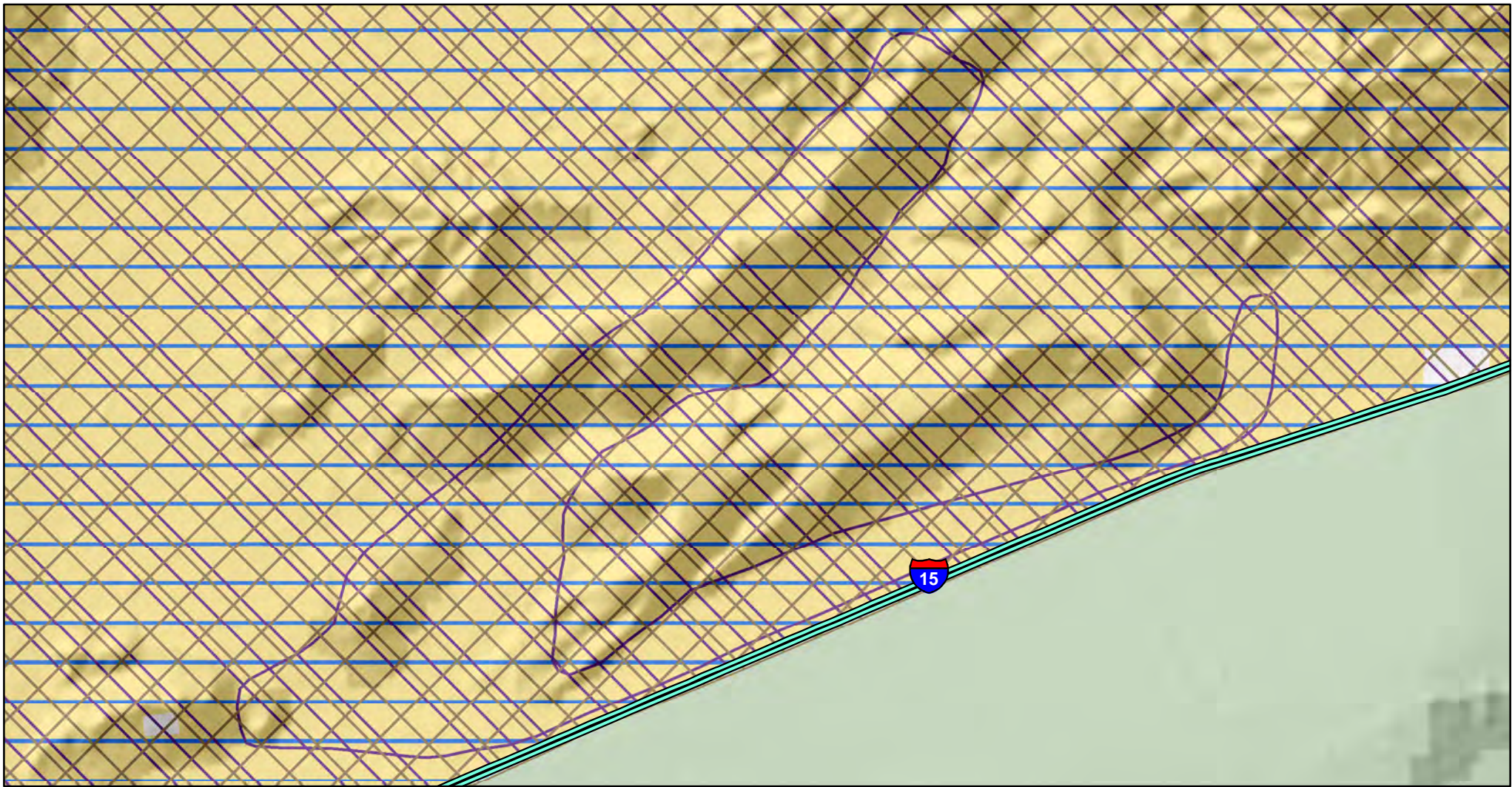
Bureau of Land Management








Halloran Wash ACEC

7/21/2016

BLM California State Office



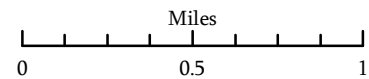
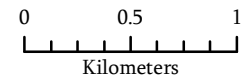


-  ERMA Boundaries
 -  ACEC Boundaries
 -  CDNCL Boundaries
 -  Bureau of Land Management
 -  DRECP Boundary
 -  CDCA Boundary
 -  LLPA
- Land Status**

Halloran Wash ACEC and Surrounding BLM Designations

7/22/2016

BLM California State Office



Ivanpah

California Desert 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 current boundary encompasses areas north of Interstate 15 and is bounded on the north and west by Mojave National Preserve with the eastern boundary remains the California-Nevada border.

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.

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

Relevance and Importance Criteria: 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. These area provide improtant habitat and connectivity for desert tortoise.

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 with the CMAs included the LUPA, 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.

Portions of this area are included in the California Desert 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 the LUPA. 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:

BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
32,020	78,190	0	0.10%, 1%

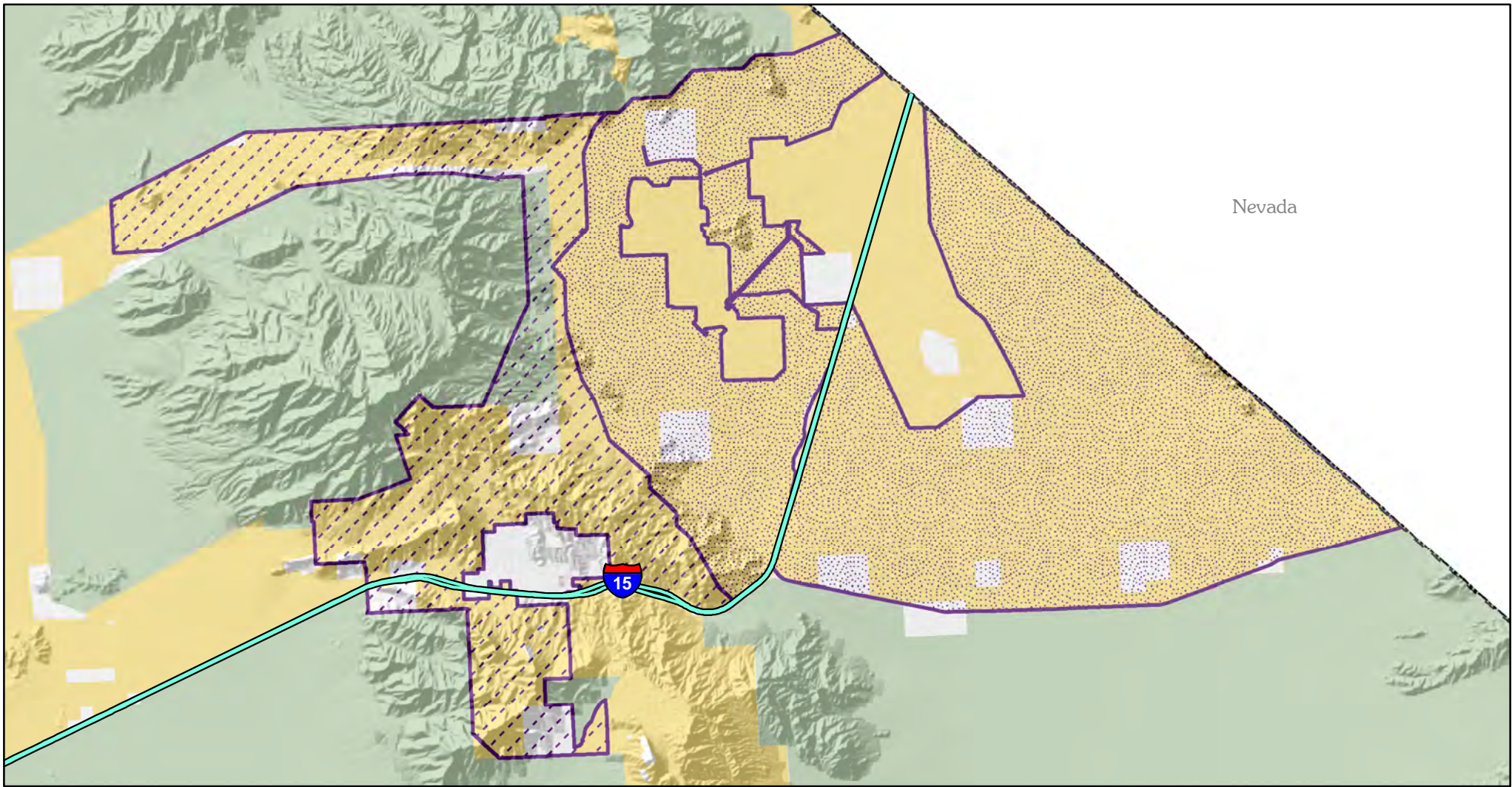
* Acreage values are for BLM managed lands

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective: Retain existing flow regime and volume in upland areas</p> <p>Management Action:</p> <ul style="list-style-type: none"> Secure Federal Reserve Water Right 	Soil, water, air
<p>Objective: Maintain or Improve condition of vegetation communities</p> <p>Management Actions:</p> <ul style="list-style-type: none"> Remove invasive plants and rehabilitate/revegetate disturbed areas. Conduct a plant survey of the ACEC <p>Species of concern include: 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 S 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]</p>	Vegetation (incl. special status species)



<p>Objective: Maintain habitat for desert tortoise</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • As funding allows, install and maintain fencing along the highway to protect desert tortoise. 	<p>Fish and Wildlife (incl. special status species)</p>
<p>Objective: Provide for General Management of Cultural Resources</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • 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). • 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. • 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>Objective: Establish Baseline Resource Information/Identify and Document Cultural Resources</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Survey, identify and record new cultural resources within the ACEC boundaries. • Update records for existing cultural resources within the ACEC. • Integrate survey information into BLM cultural resources management systems (cultural GIS geodatabase) <p>Objective: Evaluate and Nominate Cultural Resources</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • 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. • Complete nominations to the National Register of Historic Places for significant historic properties. <p>Objective: Identify Threats to Cultural Resources</p> <p>Management Action:</p> <ul style="list-style-type: none"> • 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>Cultural Resources</p>




<p>Objective: Provide for Monitoring/Protective Measures</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Provide on-going monitoring for cultural resources based on the threat assessment. • Identify, develop or incorporate standard protection measures and best management practices to address threats. • Where specific threats are identified, implement protection measures consistent with agency Section 106 responsibilities. <p>Objective: Provide for Increased Public Awareness</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Facilitate research, scientific study, and general study of cultural resources within the ACEC. • 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>Objective: Provide for the use of a designated system of ground Transportation Linear Features to ensure access to the public for appropriate uses.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • All designated routes and trails will be signed including road or trail number/name. • As funding allows, all routes and trails identified as closed will be rehabilitated/restored. • As funding allows, 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>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>Management Actions:</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. 	<p>Recreation</p>

<ul style="list-style-type: none"> • 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 vegetation at the Clark Mountain Campground. <p>Note: Refer to the Ivanpah Special Recreation Management Area (SRMA) Special Unit Management Plan for detailed objectives, allocations, and management direction.</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</p> <p>Management Action:</p> <ul style="list-style-type: none"> • 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
<p>Not an allowable use. With the exception of existing infrastructure, renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Allowable Uses: Open to mineral entry w/ stipulations.</p>	Locatable Minerals Mineral Materials Non-energy Leasables
<p>Allowable Uses: 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.</p> <p>Note: Approximately half of the Clark Mountain grazing allotment was recently relinquished under Public Law 112-74. This ACEC is within the Jean Lake, Kessler Springs, and Valley View Allotments. These allotments were permanently retired.</p>	Livestock grazing




ACEC Boundaries

-  0.1% Disturbance Cap
-  1% Disturbance Cap

-  DRECP Boundary
-  CDCA Boundary
-  LLPA

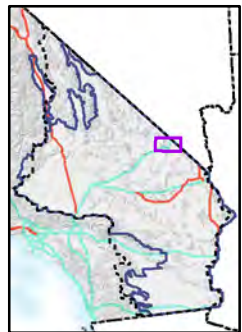
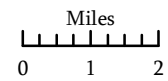
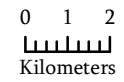
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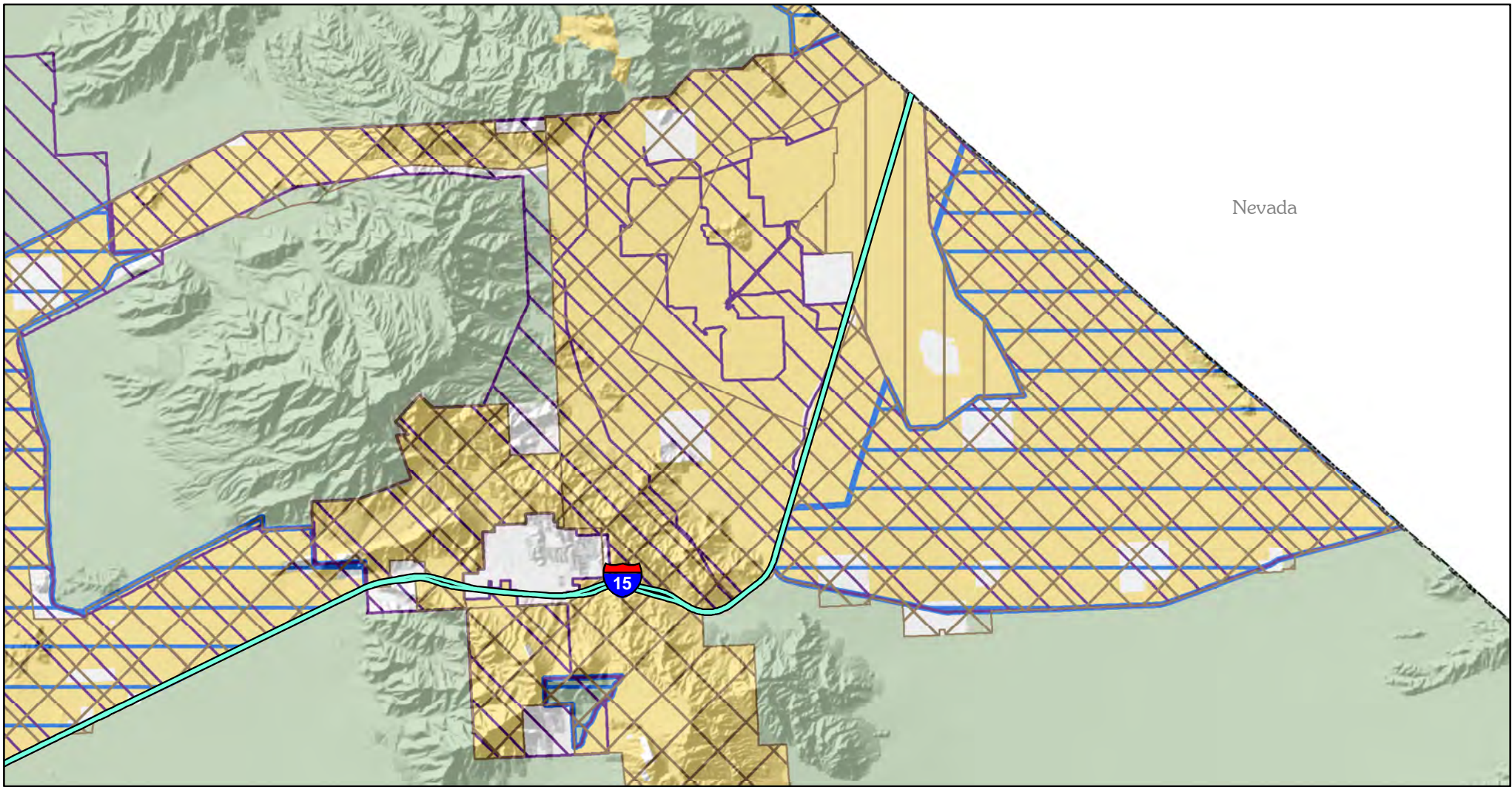
-  Bureau of Land Management









Ivanpah ACEC

7/21/2016

BLM California State Office



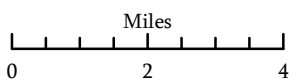
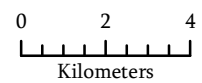


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|  ERMA Boundaries |  DRECP Boundary |
|  SRMA Boundaries |  CDCA Boundary |
|  ACEC Boundaries |  LLPA |
|  CDNCL Boundaries | Land Status |
| |  Bureau of Land Management |

Ivanpah ACEC and Surrounding BLM Designations

7/22/2016

BLM California State Office



Kingston Range

California Desert 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 at UPAs.

Where the CMAs in this Special Management Plan conflict with the CMAs included in the LUPA, 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.

Portions of this area are included in the California Desert National Conservation Lands. The BLM will manage this area to protect the Nationally Significant Value above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in the LUPA. 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

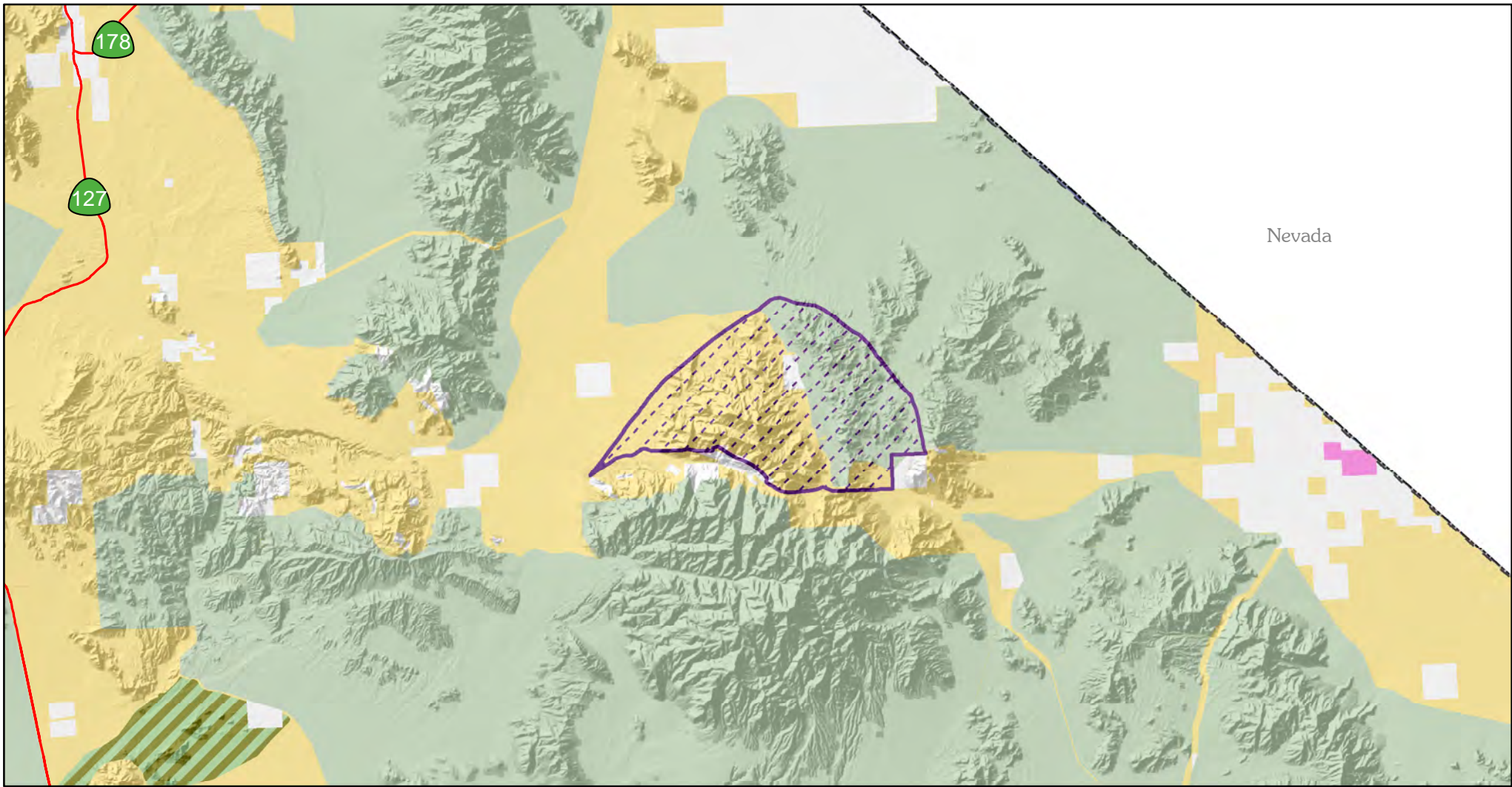
Designation and Acreage:

BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
11,340	18,870	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>Management Actions:</p> <ul style="list-style-type: none"> • Survey for BLM sensitive species • Identify current occupied and potential habitat • Identify and implement actions to conserve and improve habitat conditions. <p>Species of concern include:</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 - Mormon Needlegrass (<i>Stipa arida</i>) - Hairy Erioneuron (<i>Erioneuron pilosum</i>) 	<p>Vegetation - Including special status species</p>
<p>Objective: Manage for the protection of sensitive wildlife species</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Survey for BLM sensitive species • Identify current occupied and potential habitat • Identify and implement actions to conserve and improve habitat conditions. <p>Objective: Expand year-long desert bighorn sheep range into the Natural Area through positive management</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Install additional wildlife guzzlers in a manner that prevents livestock use <p>Species of concern include:</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>Fish and Wildlife - Including special status species</p>
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Acquire inholdings, edgeholdings and other interests from willing sellers. 	<p>Land Tenure</p>

<p>Objective: Protect resource values of the ACEC</p> <p>Management Action:</p> <ul style="list-style-type: none"> • 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)
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy



ACEC Boundaries

1% Disturbance Cap

Renewable Footprint

DFA

DRECP Boundary

CDCA Boundary

LLPA

Open OHV Areas

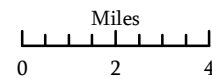
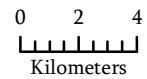
Land Status

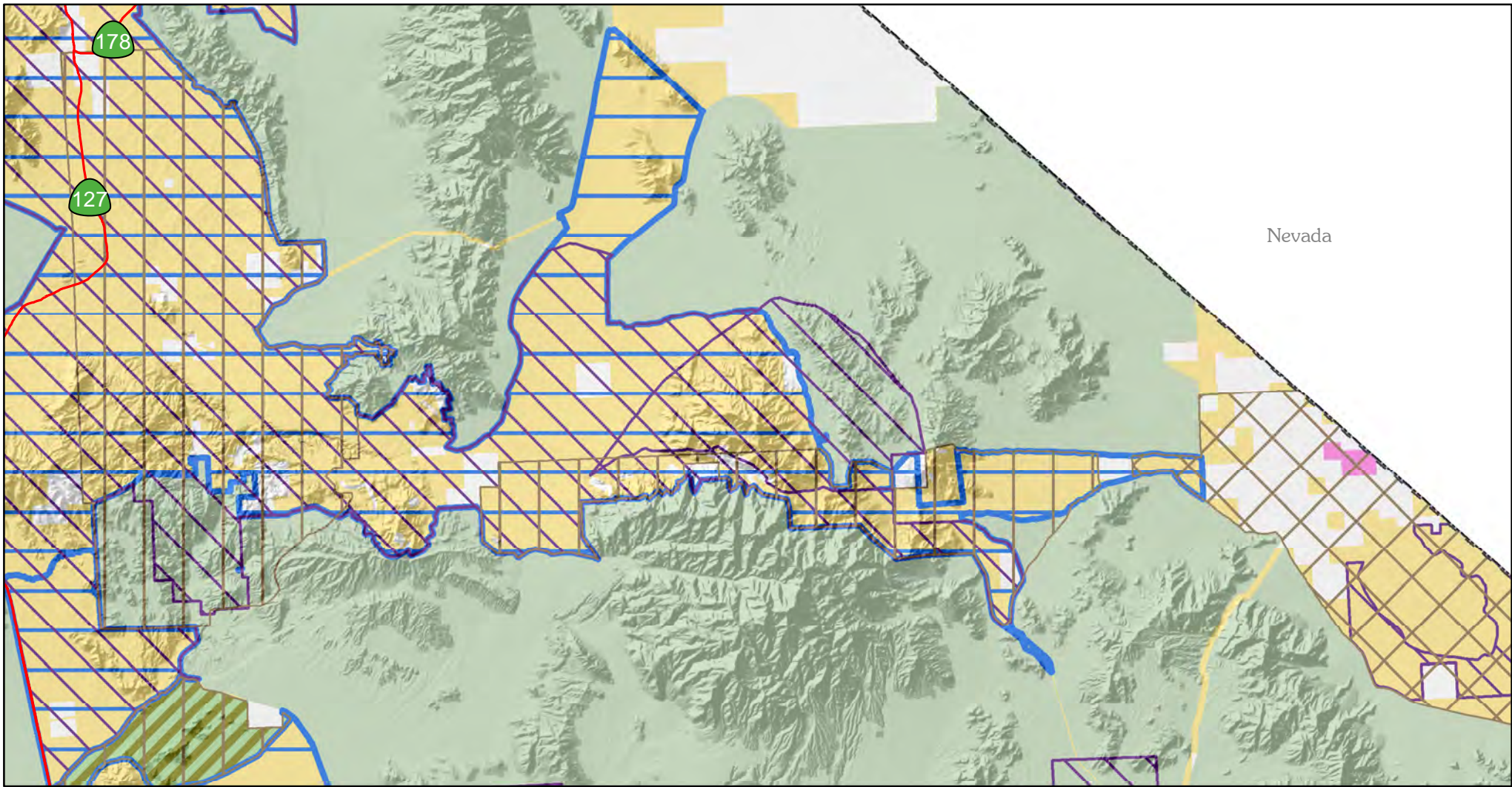
Bureau of Land Management

Kingston Range ACEC

7/21/2016

BLM California State Office



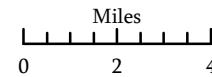
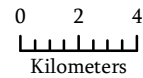


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| | ERMA Boundaries | | DRECP Boundary |
| | SRMA Boundaries | | CDCA Boundary |
| | ACEC Boundaries | | LLPA |
| | CDNCL Boundaries | | Open OHV Areas |
| | Renewable Footprint | | Land Status |
| | DFA | | Bureau of Land Management |

Kingston Range ACEC and Surrounding BLM Designations

7/22/2016

BLM California State Office



Kingston Range Wilderness Study Area

California Desert 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.

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

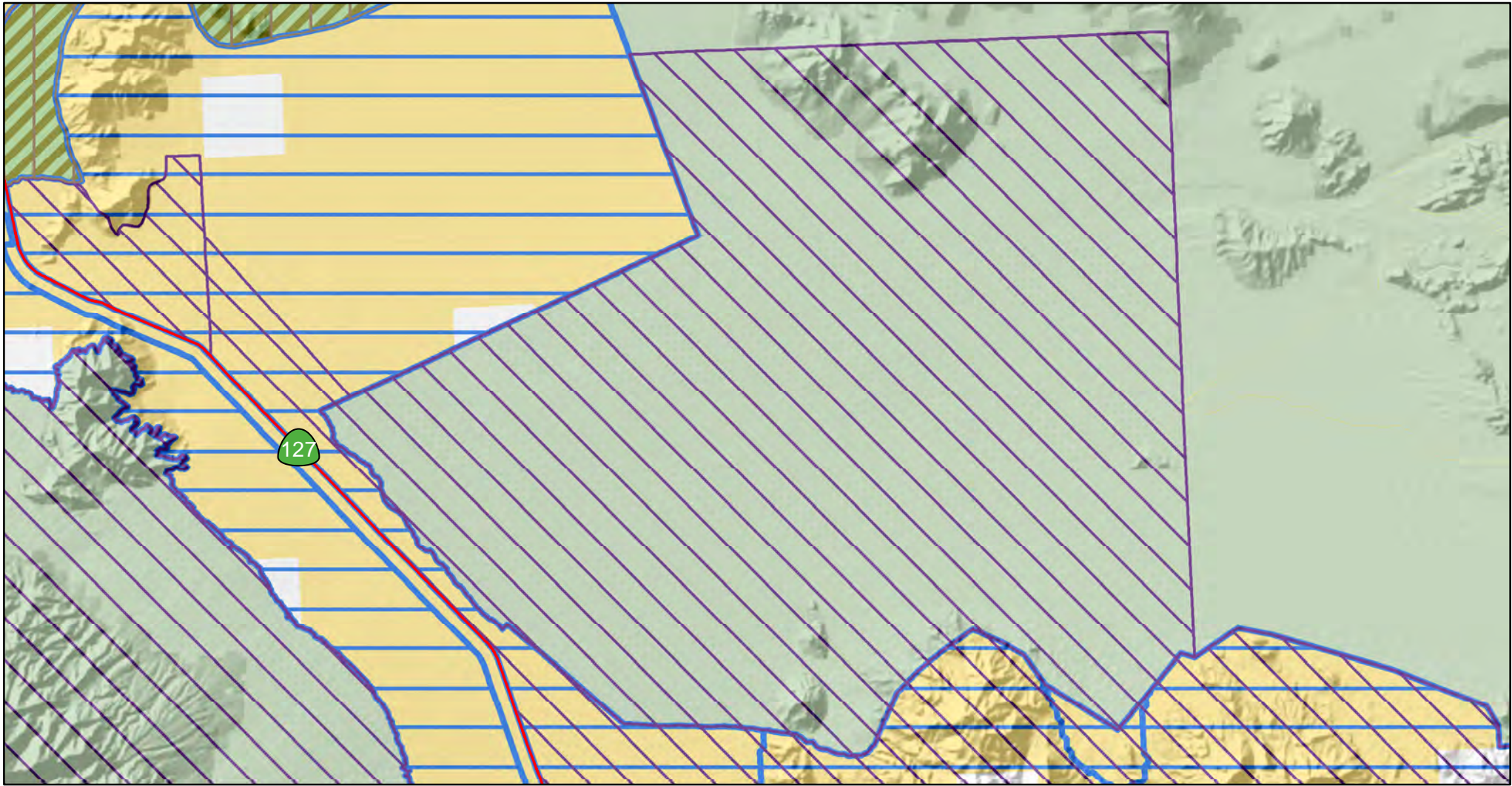
Manage in accordance with the CMAs contained in the LUPA. Appropriate multiple uses will be allowed provided they are consistent with the CMAs in the LUPA and compatible with the purposes for which the ACEC was designated.









Designation and Acreage:

BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
0	40,000	0	0.25%

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

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
There are no additional resource specific management actions.	N/A

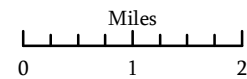
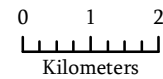


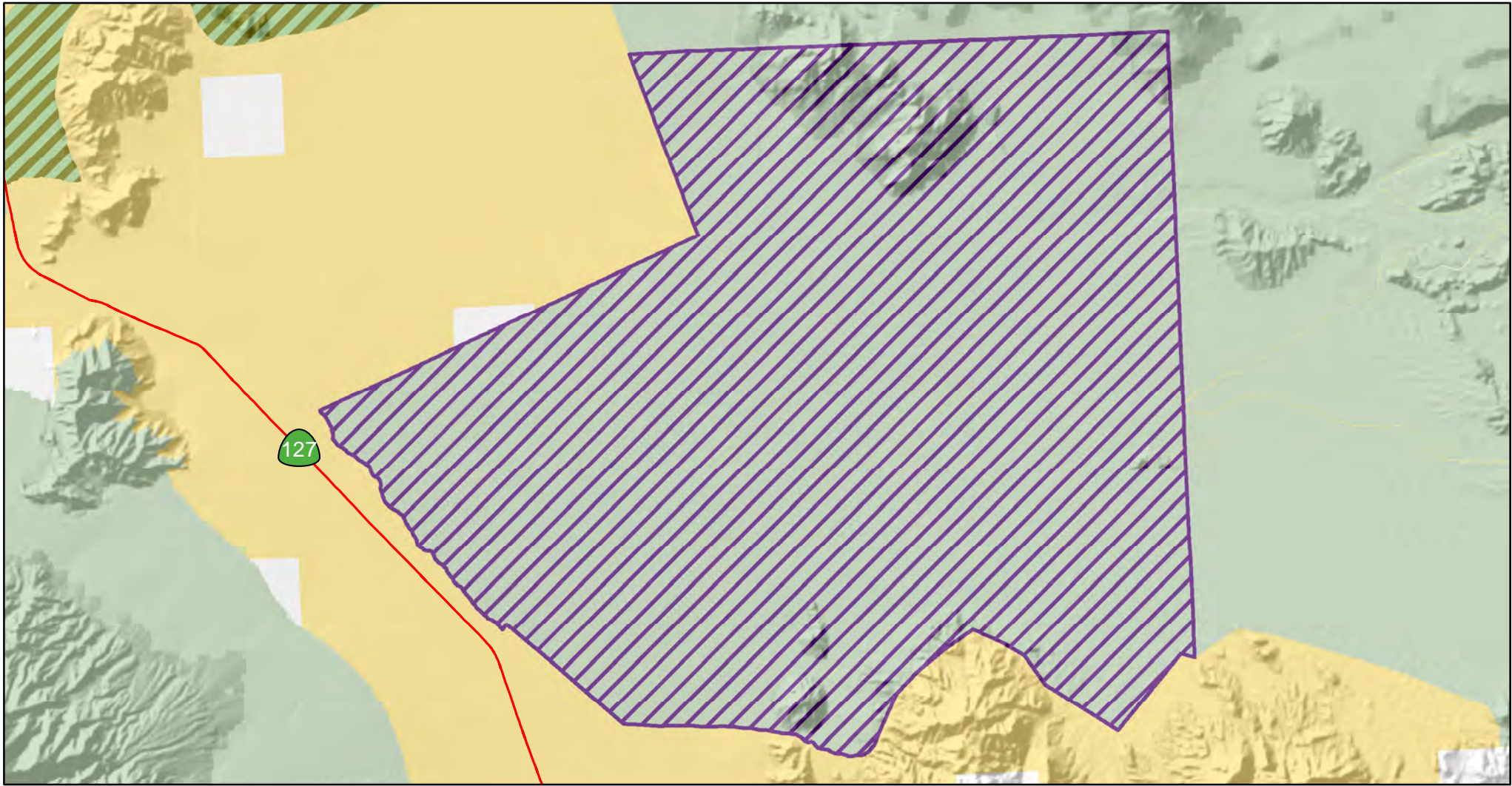
-  SRMA Boundaries
-  ACEC Boundaries
-  CDNCL Boundaries
-  DRECP Boundary
-  CDCA Boundary
-  LLPA
-  Open OHV Areas
- Land Status**
-  Bureau of Land Management

Kingston Range WSA ACEC and Surrounding BLM Designations


7/22/2016

BLM California State Office






ACEC Boundaries

 0.25% Disturbance Cap


 DRECP Boundary

 CDCA Boundary

 LLPA

 Open OHV Areas

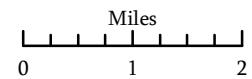
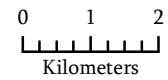
Land Status

 Bureau of Land Management

Kingston Range WSA ACEC

7/21/2016

BLM California State Office



Mesquite Lake

California Desert 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 Designated NCL.

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

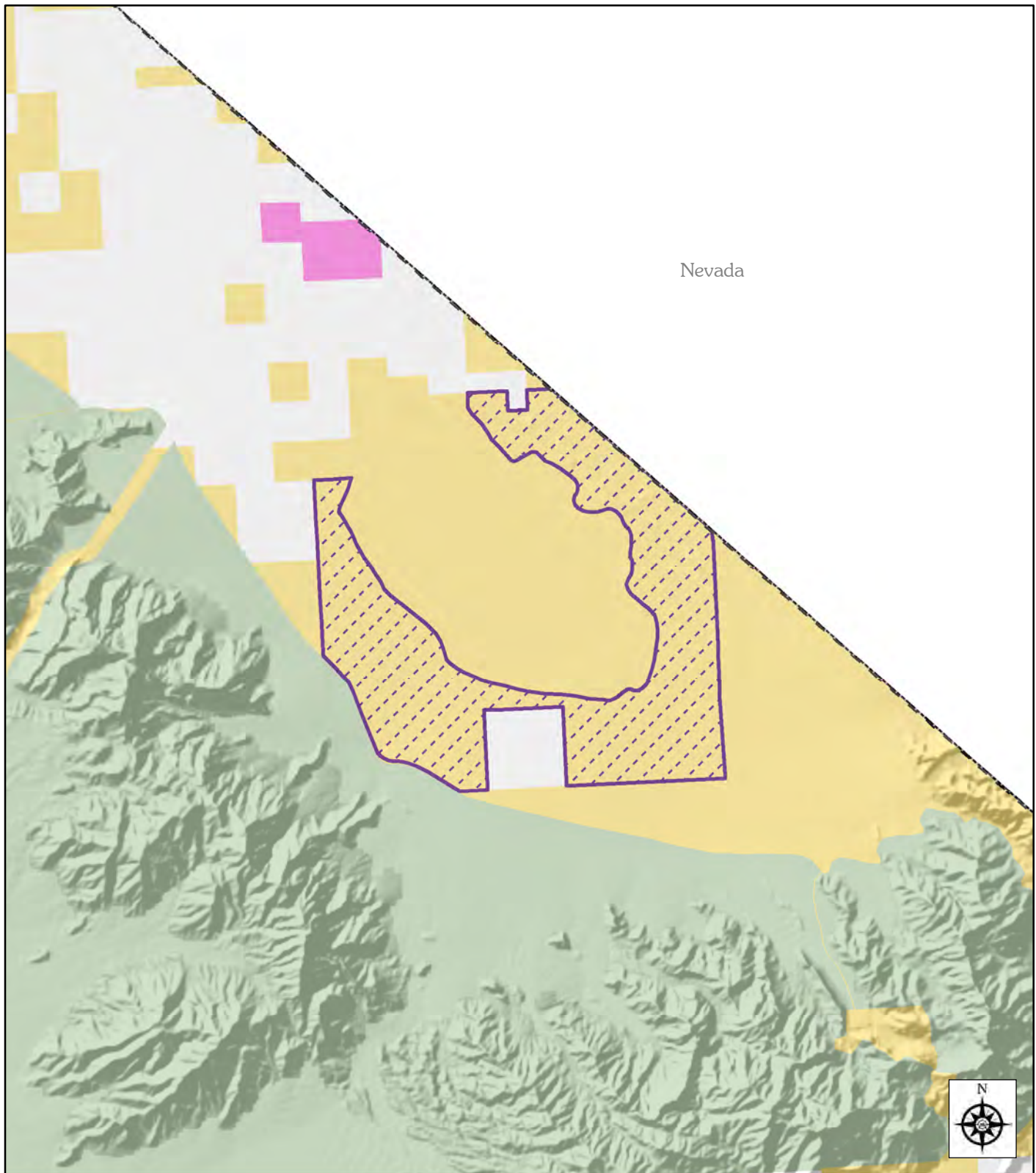
Designation and Acreage:

BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
0	6,730	0	1%

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

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Management Action:</p> <ul style="list-style-type: none"> Limit vehicle access to the playa surface to designated routes. 	Soil, water, air
<p>Objective: Protect bosque habitat and species associated with the habitat</p> <p>Management Action:</p> <ul style="list-style-type: none"> To protect the integrity of the mesquite bosque limit vehicle use to designated routes. <p>Species of concern include: 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]</p> <p>UPA: Mesquite Bosque - This ACEC contains one of the largest mesquite bosques still extant in California, although it is threatened by groundwater withdrawal starting in the 1990s.</p>	Vegetation (incl. special status species)
<p>Objective: Maintain characteristic landscape, particularly those important as cultural landscapes.</p>	Visual Resources
<p>Objective: Provide for the use of a designated system of Ground Transportation Linear Features to ensure access to the public for appropriate uses.</p> <p>Management Action:</p> <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) Special Unit Management Plan 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>Note: This ACEC is highly valued by local equestrians within Sandy Valley.</p>	<p>Recreation</p>
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Acquire inholdings, edgeholdings and other interests from willing sellers. 	<p>Land Tenure</p>
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action:</p> <ul style="list-style-type: none"> • 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>
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	<p>Renewable Energy</p>
<p>Allowable Uses: Open to entry for locatable minerals, require plan of operation. Consider saleable and leasable minerals if proposals do not conflict with ACEC values.</p>	<p>Locatable Minerals Mineral Materials Non-energy Leasables</p>



ACEC Boundaries

 1% Disturbance Cap

Renewable Footprint

 DFA

 DRECP Boundary

 CDCA Boundary

 LLPA

Land Status

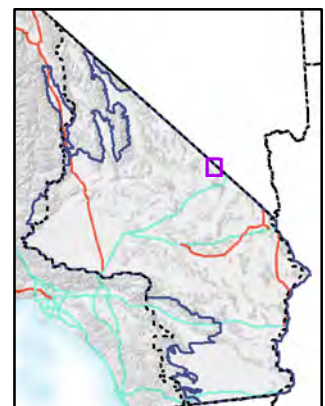
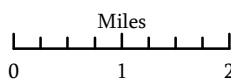
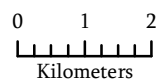
 Bureau of Land Management

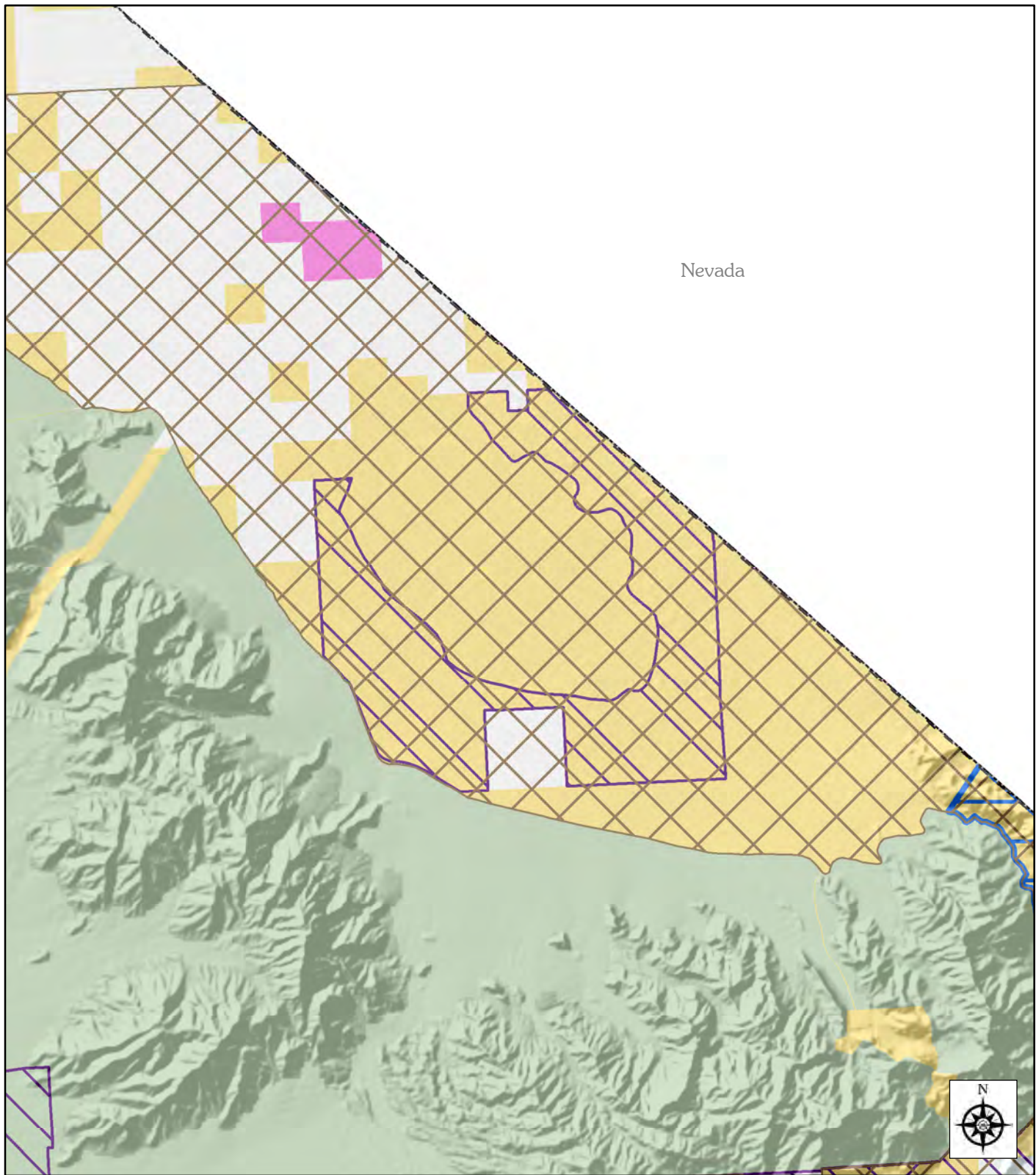
Mesquite Lake ACEC











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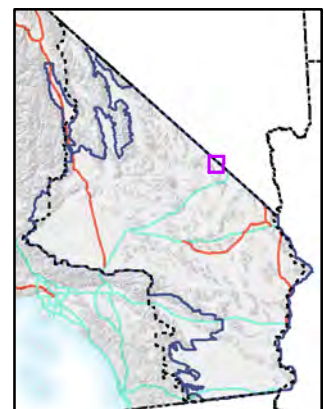
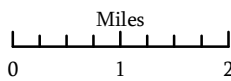
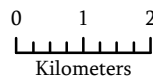


-  ERMA Boundaries
-  ACEC Boundaries
-  CDNCL Boundaries
- Renewable Footprint**
-  DFA
-  DRECP Boundary
-  CDCA Boundary
-  LLPA
- Land Status**
-  Bureau of Land Management

Mesquite Lake ACEC and Surrounding BLM Designations

7/22/2016

BLM California State Office



Mountain Pass/Dinosaur Trackway

California Desert 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 with the CMAs included in the LUPA, 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 California Desert 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 the LUPA. 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.

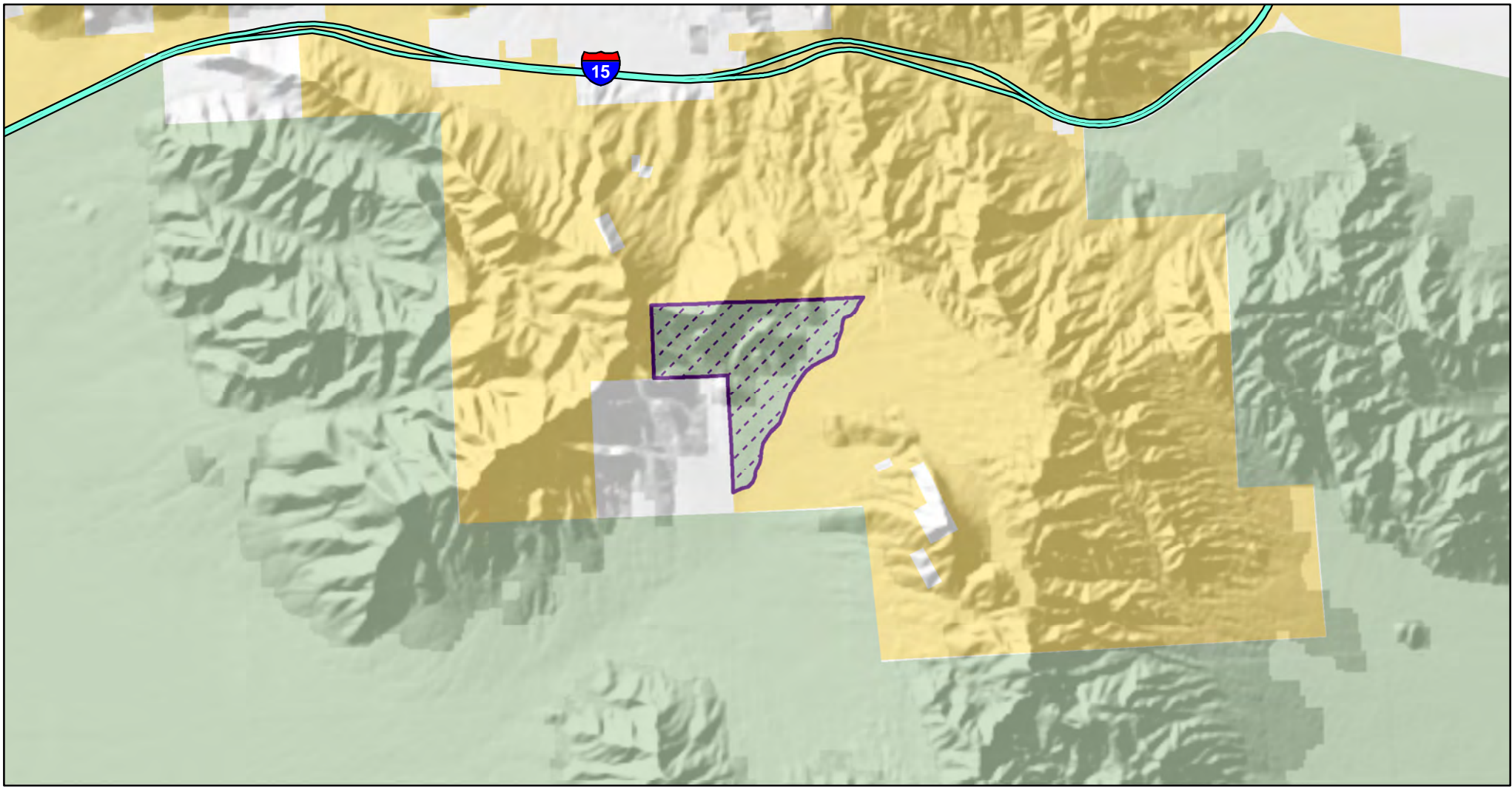
Designation and Acreage:





BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
630	630	0	1%

* Acreage values are for BLM managed lands

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective: Protect soils and geology related to trackway.</p> <p>Management Action:</p> <ul style="list-style-type: none"> Limit OHV use to designated routes. 	Soil, water, air
<p>Objective: Provide for General Management and Protection of Paleontological Resources</p> <p>Management Actions:</p> <ul style="list-style-type: none"> Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act. Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed. <p>Objective: Create offsite availability of trackway casts</p> <p>Management Action:</p> <ul style="list-style-type: none"> Map trackway locations and make molds of tracks 	Paleontology
<p>Objective: Provide for the use of a designated system of roads and trails to ensure access to the public for appropriate uses.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> All designated routes and trails will be signed including road or trail number/name. As funding allows, all roads and trails identified as closed will be rehabilitated/restored. As funding allows, 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: Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities, and to ensure public health and safety;</p> <p>Management Actions:</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. • Prohibit competitive special recreation events. • Allow stopping and parking within 25 feet, and camping within 100 feet of the centerline of designated routes. • Manage recreational shooting consistent with state and local laws. • Allow for the 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>Recreation</p>
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Acquire inholdings, edgeholdings and other interests from willing sellers. 	<p>Land Tenure</p>
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action:</p> <ul style="list-style-type: none"> • 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>
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	<p>Renewable Energy</p>
<p>Objective: Develop measures to regulate mining or quarrying to protect known tracks and preserve new finds</p> <p>Management Action:</p> <ul style="list-style-type: none"> • 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>
<p>Note: A part of this ACEC is within the Valley View grazing allotment. This allotment was permanently closed to livestock grazing through the LUPA process.</p>	<p>Livestock grazing</p>



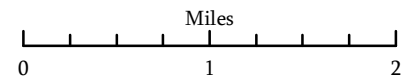
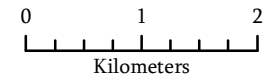
- ACEC Boundaries**
-  DRECP Boundary
 -  CDCA Boundary
 -  LLPA
- Land Status**
-  Bureau of Land Management

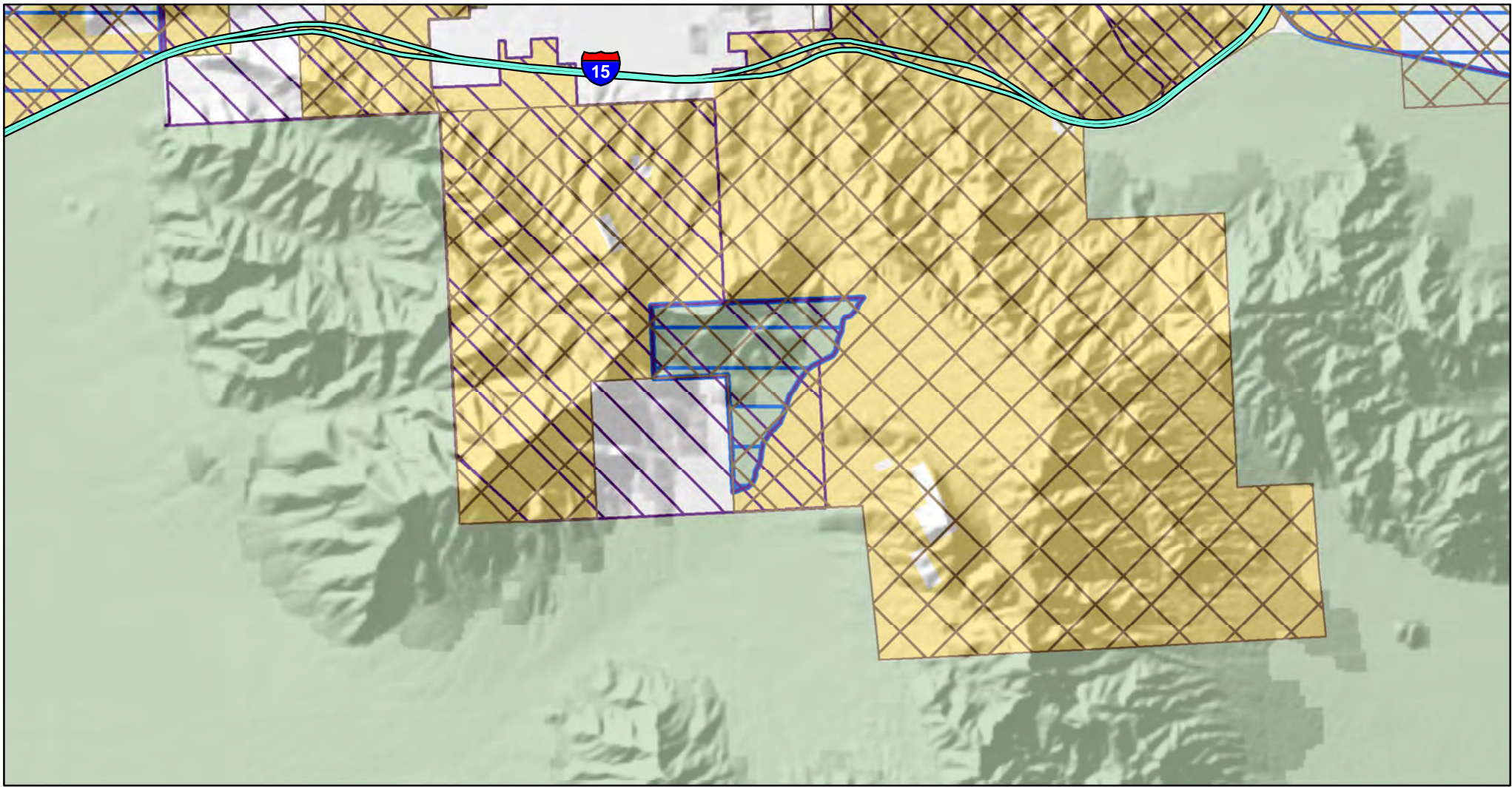









Mountain Pass Dinosaur Trackway ACEC

7/21/2016

BLM California State Office



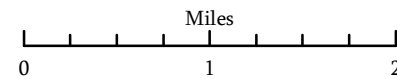
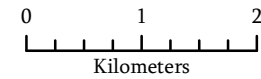


-  ERMA Boundaries
-  ACEC Boundaries
-  CDNCL Boundaries
-  DRECP Boundary
-  CDCA Boundary
-  LLPA
- Land Status**
-  Bureau of Land Management

Mountain Pass Dinosaur Trackway ACEC and Surrounding BLM Designations

7/22/2016

BLM California State Office



Shadow Valley

California Desert 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.

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 Unit 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 Shadow Valley 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.

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 and 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 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. 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 with the CMAs included in the LUPA, 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.

Most of this area is included in the California Desert 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 the LUPA. 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:

BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
168,930	197,530	0	0.5%, 1%

* Acreage values are for BLM managed lands

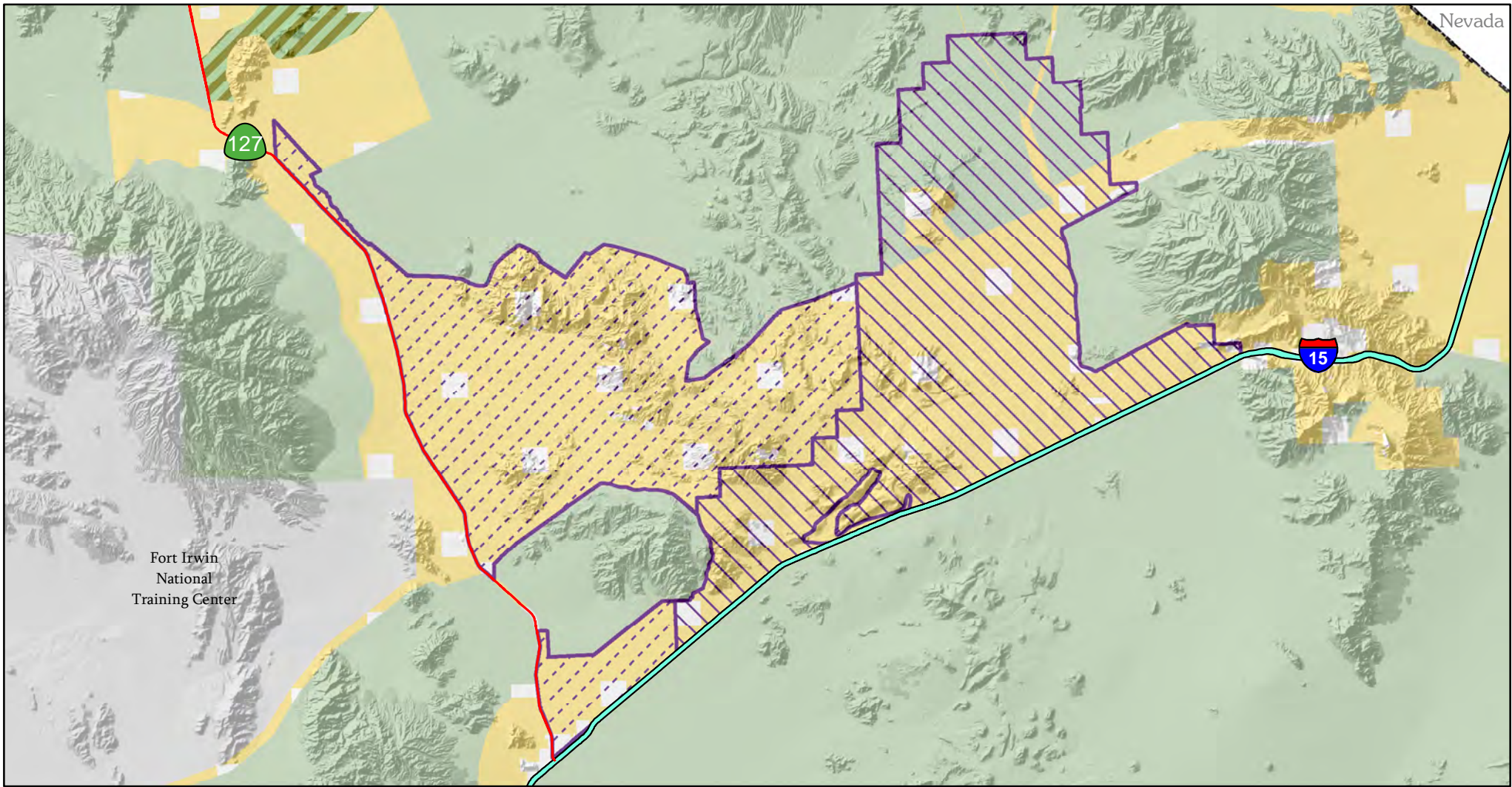
Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
<p>Objective: Retain existing flow regime and volume</p> <p>Allowable Uses: Projects which do not negatively affect ACEC Relevance and Importance Values.</p> <p>Management Action:</p> <ul style="list-style-type: none"> Secure Federal Reserve Water Rights 	Soil, water, air
<p>Objective: Maintain or Improve condition of vegetation communities.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> Remove invasive plants and rehabilitate/revegetated disturbed areas. Protect populations of special status plants Conserve Joshua tree woodland by monitoring population trends, removing and/or preventing threats, and taking remedial actions when impacts occur. Prohibit the collection of any live vegetation and/or dead and down material. <p>Species of concern include: 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.</p> <p>Unusual Plant Assemblage: Valley Wells Shadscale Assemblage</p>	
<p>Objective: Maintain habitat and provide for the protection of wildlife.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Work with other agencies/[partners to 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>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>Fish and Wildlife (incl. special status species)</p>



<p>Objective: Provide for General Management of Cultural Resources</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • 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). • 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. • 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>Objective: Establish Baseline Resource Information/Identify and Document Cultural Resources</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Survey, identify and record new cultural resources within the ACEC boundaries. • Update records for existing cultural resources within the ACEC. • Integrate survey information into BLM cultural resources management systems (cultural GIS geodatabase) <p>Objective: Evaluate and Nominate Cultural Resources</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • 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. • Complete nominations to the National Register of Historic Places for significant historic properties. <p>Objective: Identify Threats to Cultural Resources</p> <p>Management Action:</p> <ul style="list-style-type: none"> • 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>Cultural Resources</p>
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<p>Objective: Provide for Monitoring/Protective Measures</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Provide on-going monitoring for cultural resources based on the threat assessment. • Identify, develop or incorporate standard protection measures and best management practices to address threats. • Where specific threats are identified, implement protection measures consistent with agency Section 106 responsibilities. <p>Objective: Provide for Increased Public Awareness</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Facilitate research, scientific study, and general study of cultural resources within the ACEC. • 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>Objective: Designate a system Ground Transportation Linear Features to ensure for appropriate uses on public lands.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Outside of wilderness units all designated open routes and/or trails will be signed with identification number/names. • As funding allows, all roads and/or trails identified as closed will be rehabilitated and restored. • As funding allows, 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>Trails and Travel Management</p>
<p>Objective: Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities, and to ensure public health and safety.</p> <p>Management Actions:</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. 	<p>Recreation</p>

<ul style="list-style-type: none"> • Manage recreational shooting consistent with state and local laws. • Issuance of Special Recreation Permits which do not negatively affect ACEC Relevance and Importance Values. <p>Note: Refer to the Shadow Valley Extensive Recreation Management Area (ERMA) Special Unit Management Plan for detailed objectives, allocations, and management direction.</p>	
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action:</p> <ul style="list-style-type: none"> • Acquire inholdings, edgeholdings and other interests from willing sellers. 	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action:</p> <ul style="list-style-type: none"> • 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
<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Allowable Uses: Open mineral entry w/ stipulations</p>	Locatable Minerals Mineral Materials Non-energy Leasables
<p>Allowable Uses: Existing allotment is authorized, but do not authorize new allotments or expansion of existing allotment (either in size or increase number of AUMs), if willing relinquishment, would be made unavailable</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Cattle allotments will be retired after grazing permits/leases are relinquished. • Fuel loads may be managed through herbivory (sheep and goat) treatment of smaller live fuels areas. 	Livestock grazing





ACEC Boundaries

-  0.5% Disturbance Cap
-  1% Disturbance Cap

-  DRECP Boundary
-  CDCA Boundary
-  LLPA
-  Open OHV Areas

Land Status


-  Bureau of Land Management
-  Department of Defense

Shadow Valley ACEC

7/21/2016

BLM California State Office

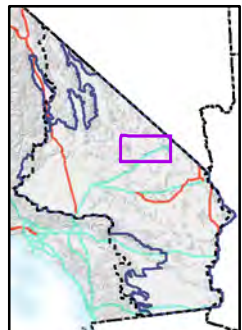


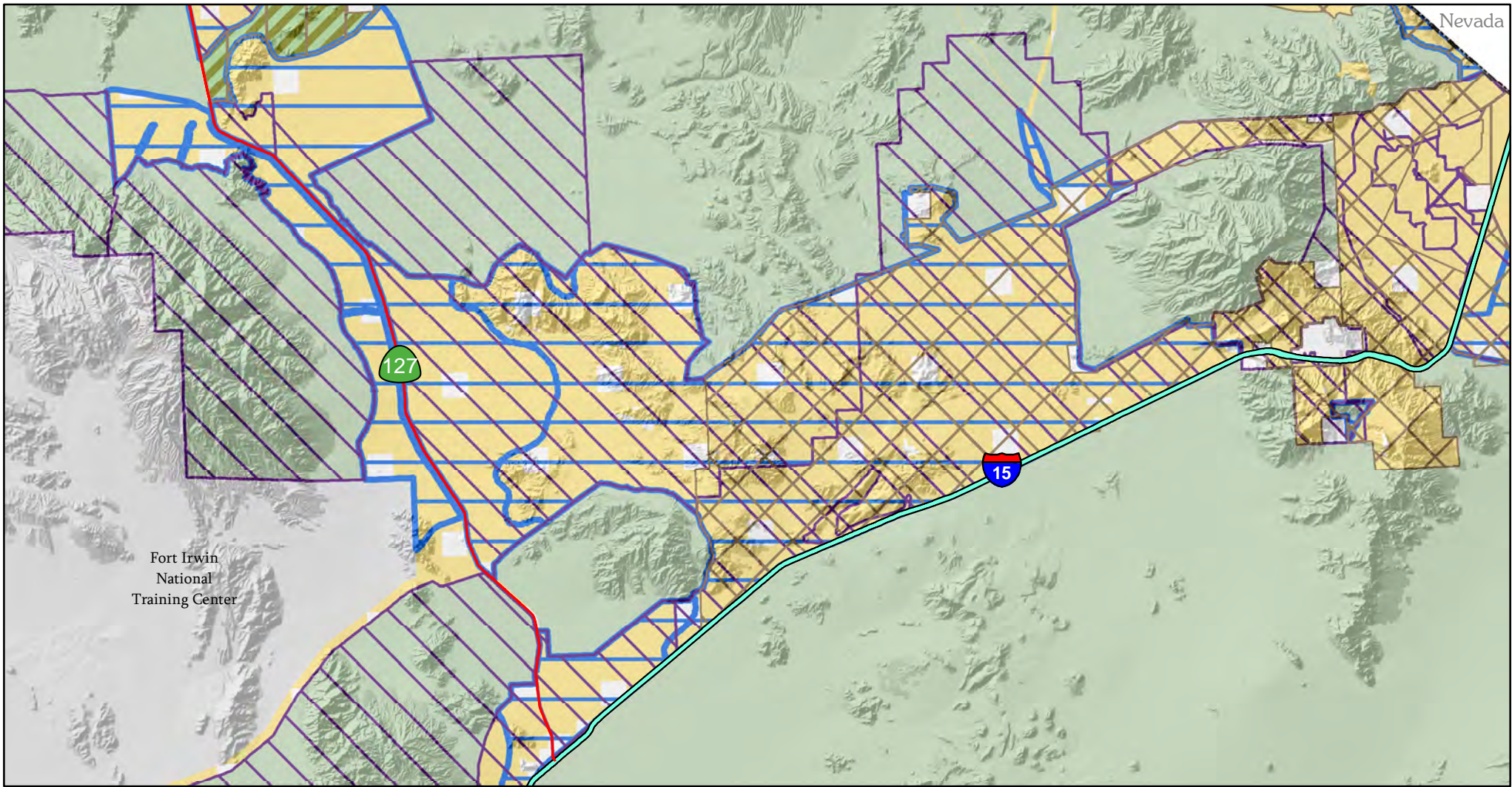
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 Kilometers








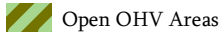
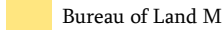
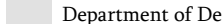


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 Miles





-  ERMA Boundaries
-  SRMA Boundaries
-  ACEC Boundaries
-  CDNCL Boundaries
-  DRECP Boundary
-  CDCA Boundary
-  LLPA
-  Open OHV Areas
- Land Status**
-  Bureau of Land Management
-  Department of Defense

Shadow Valley ACEC and Surrounding BLM Designations

7/22/2016

BLM California State Office

