

A proposal report to the Bureau of Land Management, Kingman Field Office, Arizona

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Cottonwood Mountains 1 – 5 Proposed LWCs

PREFACE: This Proposal was developed according to BLM Manual 6310 General Overview

Instruction Memorandum 2011-154 and Manuals 6310 and 6320 set out the BLM's approach to protecting wilderness characteristics on public lands. This guidance acknowledges that wilderness is a resource that is part of BLM's multiple use mission, requires the BLM to keep a current inventory of wilderness characteristics, and directs the agency to consider protection of these values in land use planning decisions. 1

In March 2012, the Bureau of Land Management issued updated manuals for inventorying and managing Lands with Wilderness Characteristics on public lands (hereafter often referred to as LWC's). These manuals provide the agency with direction for implementing its legal obligations to inventory and consider management of Lands with Wilderness Characteristics, including the Federal Land Policy and Management Act's provision that BLM "preserve and protect certain public lands in their natural condition" (43 U.S.C. § 1701(a)(8)). Manual 6310 (Conducting Wilderness Characteristics Inventory on BLM Lands) guides the BLM on how to meet its obligations to inventory for and identify lands with wilderness characteristics. Manual 6320 (Considering Lands with Wilderness Characteristics in the BLM Land Use Planning Process) guides the BLM on the options available to address lands with wilderness characteristics in land use planning once they have been identified in the required inventory, such as putting management prescriptions in place to protect wilderness characteristics. The purpose of this report is to provide the BLM with recommendations for designation of Lands with Wilderness Characteristics in the Kingman Field Office of northwestern Arizona, based on new, accurate, and upto-date information, collected and presented according to the requirements described in Manual 6310.²

¹Memorandum 2011-154 is available online at: http://www.blm.gov/wo/st/en/info/regulations/Instruction_Memos_and_Bulletins/national_instruction/2011/IM_2011-154.html

² Manual 6310 is available online at: http://www.blm.gov/pgdata/etc/medialib/blm/wo/Information_Resources_Management/policy/blm_manual.

Par.38337.File.dat/6310.pdf

What does Manual 6310 require for the identification of LWC's?

Minimum standard for LWC proposals are described in Manual 6310 in section .06.B.1. There are three things required in a citizen's wilderness proposal in order to meet the minimum standard for BLM to consider it in an inventory and to consider it as new information:

- Detailed map with specific boundaries;
- Detailed narrative of the wilderness characteristics; and
- Photographic documentation.

Once there is new information that meets these standards, then "as soon as practicable, the BLM shall evaluate the information," including field checking as needed and comparing with existing data to see if previous conclusions remain valid. Further, BLM will document its rationale and make it available to the public (section .06.B.2). **This proposal report provides the three necessary criteria listed above.**

What does Manual 6310 require for an area to be identified as an LWC?

The requirements for determining whether lands possess wilderness characteristics are found in Manual 6310, section .06.C.2. Lands with Wilderness Characteristics must possess the following traits:

• Size

<u>Sufficient roadless area to satisfy size requirements</u> (5,000 acres, of sufficient size to make management practicable or "any roadless island of the public lands"; or contiguous with Wilderness, Wilderness Study Areas, USFWS areas Proposed for Wilderness, Forest Service WSAs or areas of Recommended Wilderness, National Park Service areas Recommended or Proposed for Designation).

Naturalness

<u>Affected primarily by the forces of nature –</u> The criteria is "apparent naturalness" which depends on whether an area looks natural to "the average visitor who is not familiar with the biological composition of natural ecosystems versus human affected ecosystems." This is an important distinction between ecological integrity and apparent naturalness.

<u>Human impacts</u> – Human impacts must be documented and some are acceptable so long as

Cottonwood Mountains 1 – 5 Proposed LWCs

they are "substantially unnoticeable"; Examples include trails, bridges, fire rings, minor radio repeater sites, air quality monitoring devices, fencing, spring developments, and stockponds. Outside human impacts – impacts outside the area are generally not considered, but major outside impacts should be noted and evaluated for direct effects on the entire area (the manual explicitly cautions BLM to "avoid an overly strict approach").

• Outstanding opportunities for either solitude or primitive and unconfined recreation The area does not have to possess both opportunities for solitude and primitive and unconfined recreation, nor does the area need to have outstanding opportunities on every acre; BLM cannot compare lands in question with other parcels; BLM cannot use any type of rating system or scale.

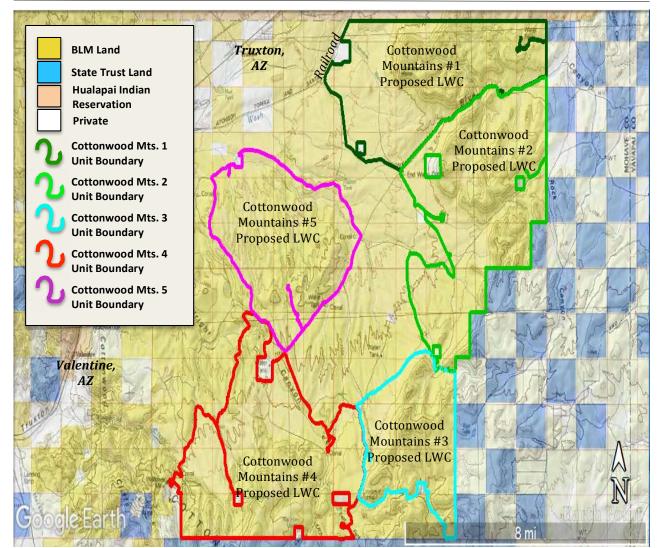
• Supplemental values

Ecological, geological, scientific, scenic, educational or historical features should be documented where they exist, although they are not required traits.

What does Manual 6310 require for the identification of the boundaries of an LWC?

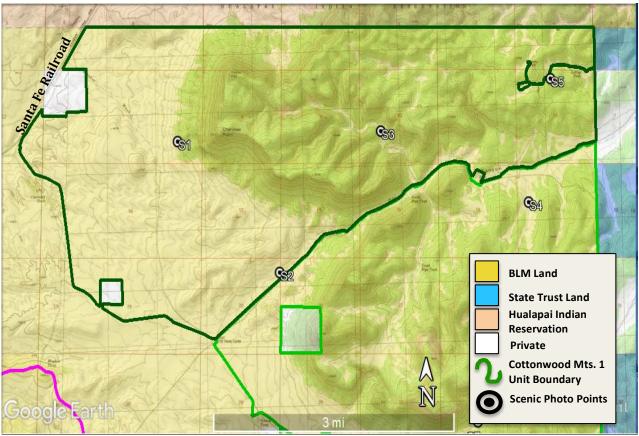
Boundaries should be based on wilderness inventory roads and naturalness rather than opportunities for solitude or primitive and unconfined recreation. For inventorying wilderness characteristics, BLM will use the "road" definition from FLPMA's legislative history; the term "road" and "wilderness inventory road" are interchangeable in this guidance. The AWC survey team took a very literal, maintenance-driven approach to road/way determination.

- "Wilderness inventory roads" are routes which have been: (1) *improved and maintained* (when needed), (2) *by mechanical means* (but not solely by the passage of vehicles), (3) *to insure relatively regular and continuous use*.
- "Primitive routes" or "ways" are transportation linear features located within areas that have been identified as having wilderness characteristics and not meeting the wilderness inventory road definition.
- •Lands between individual human impacts should not be automatically excluded from the area; no setbacks or buffers allowed; boundaries should be drawn to exclude developed rights-of-way; "undeveloped rights-of-way and similar possessory interests (e.g., as mineral leases) are not treated as impacts to wilderness characteristics because these rights may never be developed"; areas can have wilderness characteristics even though every acre within the area may not meet all the criteria.

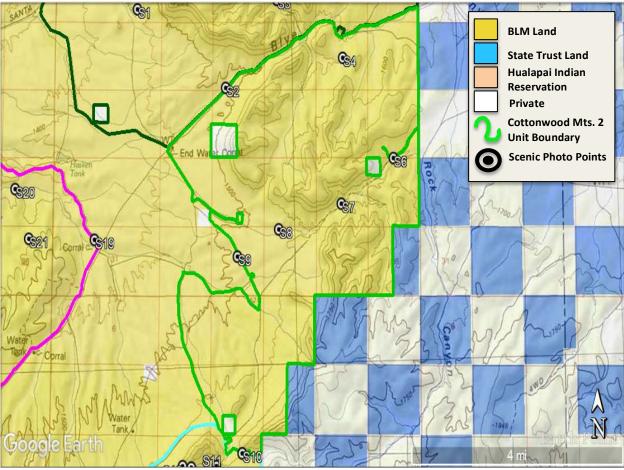


Section 1: Overview of the Proposed Lands with Wilderness Characteristics

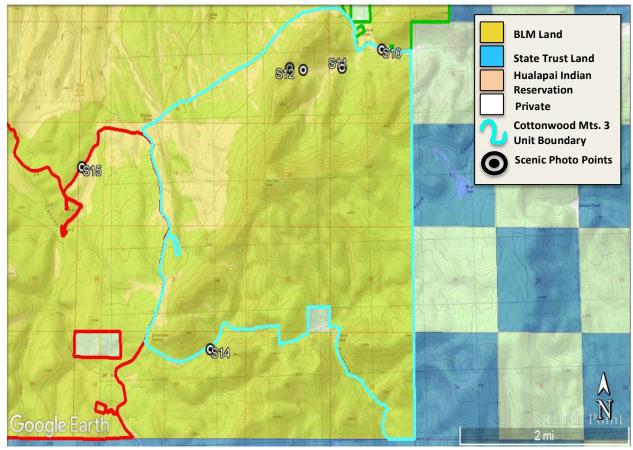
<u>Cottonwood Mountains Overview Map Summary –</u> These five proposed LWCs contain exceptional wilderness characteristics; they meet size criteria, are apparently natural, offer outstanding opportunities for solitude and primitive/unconfined recreation, and contain supplemental values. They encompass a breadth of landscape diversity; here, vast rolling Great Basin grasslands and woodlands of the Truxton Valley gradually transition into the mesas and slopes thereof and related to the Cottonwood Mountains. Pinon-juniper and interior chaparral floras characterize these upper elevations. The topographic and vegetative diversity found in these five units offers outstanding opportunities for solitude and primitive and unconfined recreation in the forms of backpacking and hiking, hunting, horseback riding, hiking, rock scrambling and climbing, nature study, and photography.



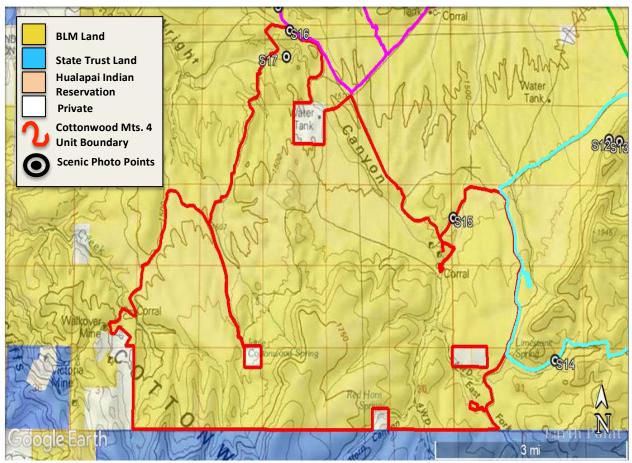
Cottonwood Mountains #1 Proposed LWC Map Summary – The Hualapai Indian Reservation defines the northern boundary of this proposed LWC. State trust and private lands define the eastern boundary. Along this eastern boundary a cherrystem provides access to a water catchment and it's associated water cistern, as well as an Arizona Game and Fish Wildlife Water. A wilderness inventory road follows Blye Canyon and serves as the southern unit boundary. Furthermore, this road separates the Cottonwood Mountains #1 and Cottonwood Mountains #2 proposed LWCs. A corral and a stockpond named "Blye Tank" are excluded along this boundary. A private inholding is also excluded here. A wilderness inventory road, private land, and the Santa Fe railroad define the western boundary. "Scenic Photo Points" reveal the location of scenic photo locations, which portray the wilderness characteristics and grandeur of these proposed LWCs; they are viewable in Section 2 of this proposal.



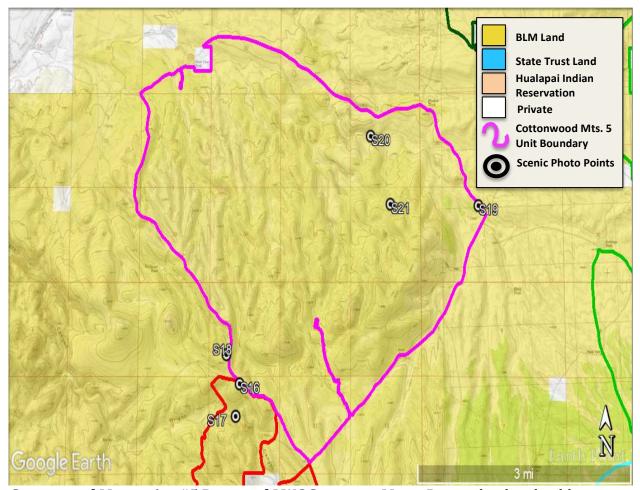
Cottonwood Mountains #2 Proposed LWC Summary Map — A wilderness inventory road follows Blye Canyon and defines the northern boundary of this proposed LWC, separating it from the Cottonwood Mountains #1 proposed LWC. Along this boundary a corral titled "End Water Corral" is exluded. A checkerboard of private and states lands defines the eastern boundary. Along this boundary a cherrystem provides access to an Arizona Game and Fish (AZGF) Wildlife Water. Private land and a wilderness inventory road define the southern boundary. Along this boundary an AZGF Wildlife Water, a corral, and a stockpond titled "Rincon Tank" are excluded. Wilderness inventory roads define the western boundary. A cherrystem provides access to a stockpond titled "Rock Tank" along this boundary. A corral and water cistern are also excluded here. Two private inholdings are present within the unit boundaries; they are undeveloped and do not affect naturalness in the surrounding proposed LWC. "Scenic Photo Points" reveal the location of scenic photo locations, which portray the wilderness characteristics and grandeur of these proposed LWCs; they are viewable in Section 2 of this proposal.



Cottonwood Mountains #3 Proposed LWC Summary Map — Wilderness inventory roads define the northern boundary of this proposed LWC and separate it from the Cottonwood Mountains #2 proposed LWC. A checkerboard of private and state lands defines the eastern boundary. A wilderness inventory road and private land defines the southern boundary. A wilderness inventory road defines the western boundary and separates the unit from the Cottonwood Mountains #4 proposed LWC. Along this boundary a cherrystem provides access to a functioning rock quarry. "Scenic Photo Points" reveal the location of scenic photo locations, which portray the wilderness characteristics and grandeur of these proposed LWCs; they are viewable in Section 2 of this proposal.



Cottonwood Mountains #4 Proposed LWC Summary Map — Wilderness inventory roads and private land define the northern boundary of this proposed LWC. Along this boundary a corral is excluded and two cherrystems preserve access to private land, a corral, and a water cistern. A wilderness inventory road defines the eastern boundary of the unit. Along this boundary a cherrystem is included to a stockpond. State and private lands define the southern boundary. Wilderness inventory roads and private lands define the western boundary. Two private inholdings are present within the unit boundaries; they are completely undeveloped and thus do not affect naturalness in the surrounding proposed LWC. "Scenic Photo Points" reveal the location of scenic photo locations, which portray the wilderness characteristics and grandeur of these proposed LWCs; they are viewable in Section 2 of this proposal.



Cottonwood Mountains #5 Proposed LWC Summary Map – Private land and wilderness inventory roads define the northern boundary of this proposed LWC. Along this boundary, a cherrystem preserves access a functioning windmill/well. A wilderness inventory road defines the eastern/southeastern boundary. Along this boundary a water cistern is excluded and a cherrystem provides access to several well heads and a maintained water cistern. Wilderness inventory roads define the western/southwestern boundary. "Scenic Photo Points" reveal the location of scenic photo locations, which portray the wilderness characteristics and grandeur of these proposed LWCs; they are viewable in Section 2 of this proposal.

Section 2: Documentation of Wilderness Characteristics

<u>Size</u>: All five proposed LWCs meet the minimum size criteria for roadless lands

- 1. The Cottonwood Mountains #1 proposed LWC contains approximately 9,840 acres.
- 2. The Cottonwood Mountains #2 proposed LWC contains approximately 11,740 acres.
- 3. The Cottonwood Mountains #3 proposed LWC contains approximately 5,690 acres.
- 4. The Cottonwood Mountains #4 proposed LWC contains approximately 12,000 acres.
- 5. The Cottonwood Mountains #5 proposed LWC contains approximately 8,420 acres.

All of these acreages exceed the minimum size criteria of 5,000 acres.

Naturalness: The proposed LWCs are affected primarily by the forces of nature

The Cottonwood Mountains proposed LWCs contain biodiversity and community structure representative of the ecosystems that one would expect to see in this region. Great Basin grasslands and woodlands constitute the floras of the Truxton Valley portions of these units. Here, grasses dominate the understory of the landscape, accompanied by several species of subshrubs. Unique woodlands of *Juniperus monosperma* and *osteosperma*, *Pinus edulis* and *monophylla*, and *Canotia holacantha*, with understories containing *Yucca spp.*, form mosaics with these extensive grasslands. Along the higher elevation slopes and mesa-tops of the Cottonwood Mountains pinon-juniper woodlands (*Juniperus spp.* and *Pinus spp.*) and interior chaparral (*Arctostaphylos spp.*, *Quercus spp.*, *Garrya spp.*, *Rhus aromatica*, *Ceanothus greggi*) ecosystems characterize the landscape. All of these characteristic species are the proper constituents of the ecosystems present in the region. Not only are the ecosystems themselves in an apparently natural state, they contain minimal human impacts. Very few impacts are present within the unit boundaries, all of which are acceptable and substantially unnoticeable.

The majority of human impacts within all five units are primitive ways, which are all substantially unnoticeable. The majority of these primitive ways exist upon flats and/or gentle slopes consisting of finer sediments; thus, these ways are frequently user-created and lack evidence of construction. They are kept open solely by the passage of vehicles, and thus not properly maintained. If access were barred to these routes, they would quickly revegetate. For examples, see points **001-004**, **013**, **030**, **031**, **035**, **037**, **049**, **051-054**, **056**, **062**, **065**, **088**, and **105-109**.

A few primitive routes show evidence of construction, but are unmaintained and serve no apparent purpose. Despite evidence of construction, these routes minimally affect naturalness and would vegetate rapidly if access were barred. For examples, see points **016**, **017**, **073-074**, **084-085**, and **095-096**.

Very few other impacts were detected within the unit boundaries; those that were are substantially unnoticeable and minimally affect naturalness. Points **012**, **036**, and **106** show unmaintained dilapidated stockponds; they minimally affect naturalness and are substantially unnoticeable because they are in drainage bottoms and are screened by pinon-juniper woodlands. Point **099** shows an unmaintained, dilapidated corral in Cottonwood Mountains #5; no access route exists to this feature. It is substantially unnoticeable due to vegetative screening from most viewpoints.

Cottonwood Mountains 1 – 5 Proposed LWCs

Several cherrystems are included in the unit boundaries in order to preserve access to maintained infrastructure and private land. Cherrystemmed features include AZGF Wildlife Water's, private lands, windmill/wells, stockponds, water cisterns, and a quarry. None of these cherrystemmed features substantially affect naturalness within the surrounding proposed LWCs because they are small in stature and are often screened by topography and vegetation. Specifically regarding the quarry: it covers little acreage and is quite shallow. The product being extracted from this quarry likely requires no blasting, and thus there is no noise pollution to impact naturalness in the surrounding LWC. Private inholdings are present within the unit boundaries of Cottonwood Mountains #2 and #4; these inholdings are completely undeveloped and thus do not disrupt naturalness in the surrounding LWCs.

With the exception of the Atchison, Topeka, and Santa Fe Railway there are no outside impacts that have potential to disrupt naturalness within the units. Although this railway has the potential to impact naturalness within Cottonwood Mountains #1, it is not omnipresent. It constitutes a miniscule portion of the unit boundary (approximately 1 mile in length) and recreationists can easily be screened from its presence via vegetation and topography, present in the majority of the unit.

The proposed LWC has outstanding opportunities for solitude and/or primitive and unconfined recreation

These five units are all remarkably similar in their opportunities for solitude and primitive and unconfined recreation – all of which are outstanding in nature. Each unit is similar in that they are each comprised of two physiographic regions, each with unique, outstanding opportunities for solitude and primitive and unconfined recreation. These physiographic regions are as follows: (1) gently sloping Great Basin grasslands and woodlands of the Truxton Valley and (2) mesas and hills of the Cottonwood Mountains.

Solitude

The rolling hills of Great Basin grasslands and woodlands in the Truxton Valley offer outstanding opportunities for solitude. The topographic diversity here produces screening for solitude in and of itself. This is accentuated by the sizeable acreages occupied by this physiographic region. Furthermore, woodlands of *Juniperus spp.*, *Pinus spp.*, and *Canotia holacantha* are present within this valley, offering outstanding vegetative screening due to the growth forms of these species. The synergy created by topographic screening, vegetative screening, and sizeable acreages within this physiographic region creates outstanding opportunities for solitude in all five proposed LWCs.

Atop the mesas and along the hills of the Cottonwood Mountains, recreationists will find themselves in a vast, topographically complex landscape with vegetation denser than found below. Pinon-juniper woodlands are representative of much of this region and the understories are often dense with interior chaparral species. These woodlands offer significant vegetative screening and thus solitude, result of the growth forms of their constituent species. Here, significant topographic and vegetative screening provides outstanding opportunities for solitude.

Primitive and Unconfined Recreation

Opportunities for backpacking, hiking, and horseback riding are outstanding in all five of the proposed LWCs. The two physiographic regions can easily be connected via foot and horse travel; the units in their entirety consist of very navigable topography, making for numerous route options. One route example is a hike up Rock Canyon in Cottonwood Mountains #2 - here a recreationist is in a state of solitude, surrounded by scenic pinon-juniper/interior chaparral characterized slopes and small, quaint grasslands which are constricted to the canyon floor (see scenic photos **S6-S8**).

Scattered, yet outstanding opportunities for rock climbing, bouldering, and scrambling exist throughout these units on granite boulders and/or massive vertical basalt outcrops. For example, spheroidally-weathered granite outcrops are abundant in the heart of the Cottonwood Mountains #5 proposed LWC; these outcrops make excellent opportunities for rock scrambling and bouldering (see scenic photo **S21**). Basalt outcrops can be seen in scenic photos **S1**, **S12**, **S14**, and **S20**; these outcrops would indeed interest a traditional rock climber seeking first ascents.

These fives units offer outstanding hunting opportunities for elk and mule deer. The acreages of these units constitute some of the largest, unfragmented swathes of public land in the area; preserving this habitat will help ensure outstanding hunting opportunities for the future.

Opportunities for nature study and photography are outstanding in these units as well. A breadth of ecosystems – from grasslands to pinon-juniper woodlands, offers several opportunities for nature study, unique to one another. Outstanding opportunities for photography are present in the Truxton Valley. Outstanding opportunities for photography exist looking across the sweeping, rolling grasslands, which are home to intermittent junipers and pinyons, towards the contrasting mesas and slopes of the Cottonwood Mountains.

Supplemental Values

The units are home to sensitive species of concern listed by Arizona Game and Fish

The Heritage Data Management System, administered by Arizona Game and Fish Department, lists special-status species by USGS quadrangle. These lists can be found at www.habimap.org¹. The proposed LWC's covers portions of 4 quadrangles, titled Truxton, Cherokee Point, and Valentine SE. Ten species of concern are listed; the conservation efforts of these ten sensitive species would be improved if these units were managed as LWCs.

Cottonwood Mountains #3-5 contain acreage within the Wright-Cottonwood Creek Riparian and Cultural Area of Critical Environmental Concern

Preservation of the wilderness characteristics within these units is compatible with and supportive of the goals of this ACEC.

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 $^{^{1}}$ AZGFD. Habimap. Date accessed: November 13, 2017. Online tool available at: www.habimap.org.



<u>Scenic Photo S1:</u> Looking W towards Cherokee Point through a woodland of *Canotia holacantha, Juniperus monosperma,* and *Pinus edulis* and *monophylla. Yucca spp.* and grasses characterize the understory. A massive basalt outcrop (seen here) exists below Cherokee Point, offering outstanding opportunities for traditional rock climbing.



<u>Scenic Photo S2:</u> Looking ENE up Blye Canyon at the hills and mesas of Cottonwood Mountains #1 and #2 proposed LWCs. Despite being separated into two separate units by the wilderness inventory road following this canyon, these two units easily feel contiguous to recreationists.



<u>Scenic Photo S3:</u> Looking ENE into the pinon-juniper inhabited hills of the Cottonwood Mountains #1 proposed LWC. Here, solitude is plentiful via abundant topographic and vegetative screening.



<u>Scenic Photo S4:</u> Looking N into the Cottonwood Mountains #1 proposed LWC from the Cottonwood Mountains #2 proposed LWC. Note the juxtaposition of flat, gently sloping grasslands in the foreground to the wooded slopes and mesas in the background. Changing landscapes create enjoyable variety for recreationists.



<u>Scenic Photo S5:</u> Looking E across and outside of the Cottonwood Mountains #1 proposed LWC. Here, on this drier, southern aspect, interior chaparral species are abundant.



<u>Scenic Photo S6:</u> Looking ESE in Rock Canyon in the Cottonwood Mountains #2 proposed LWC. These grasslands transition into pinon-juniper woodlands on the snowy slopes in the background. Travelling this canyon as part of a backpacking route would be outstanding.



<u>Scenic Photo S7:</u> Looking N at rocky, wooded slopes from the grassy bottom of Rock Canyon. Solitude is plentiful here within the topographic screening of the canyon.



<u>Scenic Photo S8:</u> Looking E towards Rock Canyon across Great Basin grasslands. This canyon in its entirety makes for an excellent day hike or backpacking route.



<u>Scenic Photo S9:</u> Looking E across the Great Basin grasslands of the Truxton Valley towards the hills and mesas of Cottonwood Mountains #2. Opportunities for hiking, backpacking, and horseback riding are excellent throughout.



<u>Scenic Photo S10:</u> Looking SSW into the hills of Cottonwood Mountains #3 across Great Basin grasslands and woodlands.



<u>Scenic Photo 11:</u> Looking ENE across grasslands and pinon-juniper woodlands of the Cottonwood Mountains #3 proposed LWC towards mountain tops in the Cottonwood Mountains #2 proposed LWC.



<u>Scenic Photo S12:</u> These basalt cliffs in the Cottonwood Mountains #3 proposed LWC offer outstanding opportunities for rock scrambling, bouldering, and traditional climbing.



<u>Scenic Photo S13:</u> Looking NW out of the higher elevations of the Cottonwood Mountains #3 proposed LWC into the Truxton Valley. Grand views such as this are common in the Cottonwood Mountains.



<u>Scenic Photo S14:</u> Looking N into the Cottonwood Mountains #3 proposed LWC. Here, the overstory and understory are significantly dense and offer excellent vegetative screening for solitude. The basalt outcrop in the background offers outstanding opportunities for rock climbing.



<u>Scenic Photo S15:</u> Looking S into the Cottonwood Mountains #4 proposed LWC at the Cottonwood Mountains.



<u>Scenic Photo S16:</u> Looking WSW into the foothills of the Cottonwood Mountains. The canyon featured here is Wright Canyon, which hosts a perennial stream and riparian vegetation community.



<u>Scenic Photo S17:</u> Looking N down Wright Canyon along a perennial portion of the creek. This creek provides excellent wildlife habitat, and is thus an excellent location for nature-study. Charismatic riparian species present here are *Salix spp.* and *Baccharis salicifolia*.



<u>Scenic Photo S18:</u> Looking ENE into the Great Basin grasslands and woodlands of the Cottonwood Mountains #5 proposed LWC.



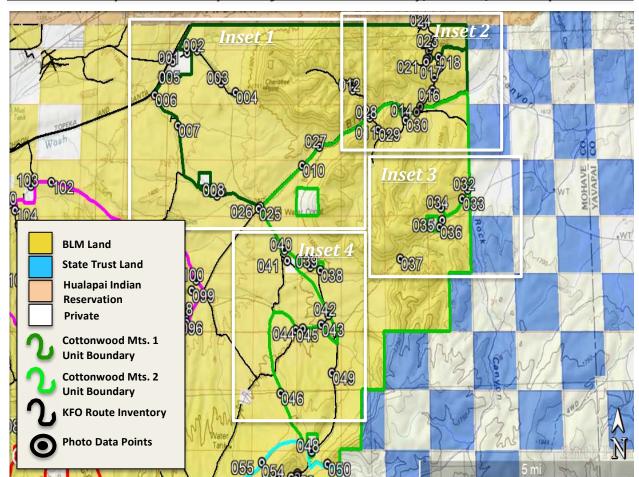
<u>Scenic Photo S19:</u> Looking W into the Cottonwood Mountains proposed LWC. These expansive Great Basin grasslands offer excellent opportunities for horseback riding. The juxtaposition of travelling these flats into more diverse terrain is enjoyable for a backpacker/day-hiker to experience.



<u>Scenic Photo S20:</u> Looking N along a large wash in the Cottonwood Mountains #5 proposed LWC. Basaltic and granitic outcrops are abundant along this wash and offer outstanding opportunities for rock climbing, scrambling, and bouldering. This wash and it's scenery make for an excellent hiking/backpacking route.

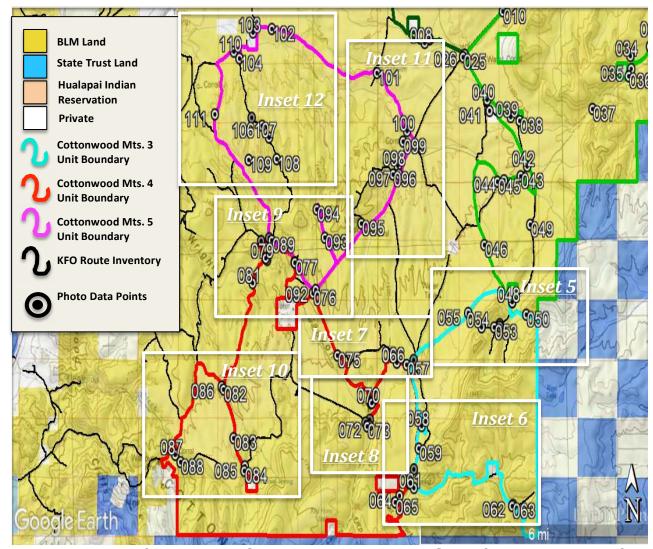


<u>Scenic Photo S21:</u> Looking N in the Cottonwood Mountains #5 proposed LWC. There are extensive fields of spheroidally-weathered granite here which offer outstanding opportunities for bouldering and rock scrambling.

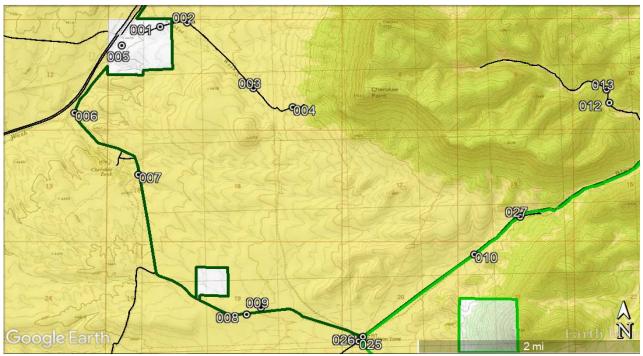


Section 3: Maps and Description of the Unit Boundary, Routes, and Impacts

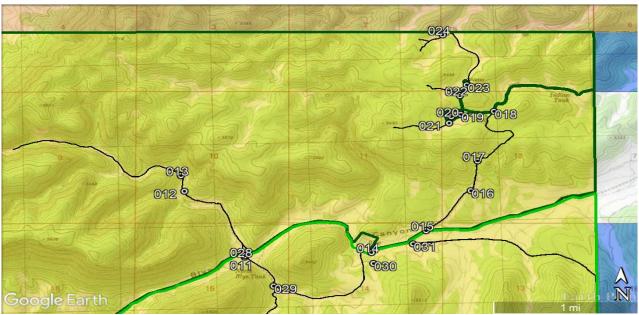
Key to Inset Maps for Cottonwood Mountains #1 and #2 - This map is meant to be used locate where field survey data was collected. Following this key on page 23, inset maps can be found which offer increased clarity on specific photo point locations and their landscape context. The layer titled 'KFO Route Inventory' reflects spatial data acquired from the BLM regarding the Kingman Field Office's route inventory. 'Photo data points' reflect the location of qualitative data collected during the field survey, viewable in Section 4 of this proposal.



Key to Inset Maps for Cottonwood Mountains #2, #3, #4, and #4 - This map is meant to be used locate where field survey data was collected. Following this key on starting on page 23, inset maps can be found which offer increased clarity on specific photo point locations and their landscape context. The layer titled 'KFO Route Inventory' reflects spatial data acquired from the BLM regarding the Kingman Field Office's route inventory. 'Photo data points' reflect the location of qualitative data collected during the field survey, viewable in Section 4 of this proposal.



Inset 1: Showing points in Cottonwood Mountains #1 and #2. Points 001-004, 013, and 027 show primitive ways. 005-010 and 025-026 show the condition of the unit boundary. 009 and 012 show acceptable impacts.



Inset 2: Showing points in Cottonwood Mountains #1 and #2. Points 011, 013, 016, 017, 021, 022, 024, 028, 029, 030, and 031 show primitive ways. A cherrystem is present and shown with points 018 - 020, and 023. Point 014 shows an excluded corral and stockpond in Blye Canyon. Point 025 shows the condition of the unit boundary.



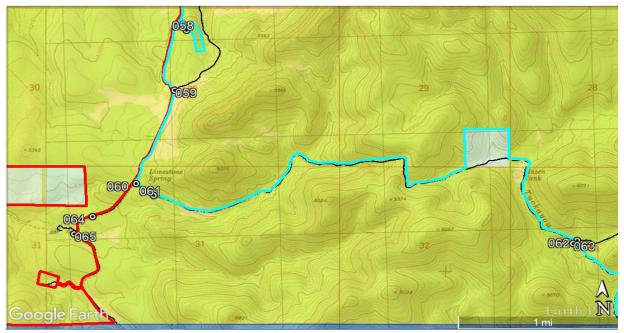
<u>Inset 3:</u> Showing points in Cottonwood Mountains #2. Points 032, 035, and 037 show primitive ways. A cherrystem is shown to an AZGF Wildlife Water at points 033-034. Point 036 shows a substantially unnoticeable stockpond titled "Gnat Tank".



Inset 4: Showing points in Cottonwood Mountains #2. Points 038-040 show points show a cherrystem to a stockpond titled "Rock Tank". Points 041, 043, 044, and 046 show the condition of the unit boundary. Points 045 and 049 show primitive ways. Point 042 shows an excluded corral and water cistern.



<u>Inset 5:</u> Showing points in Cottonwood Mountains #2 and #3. Points 047 and 051-054 show primitive ways. Points 048 and 050 show excluded impacts. Point 055 shows the condition of the Cottonwood Mountains #3 unit boundary.



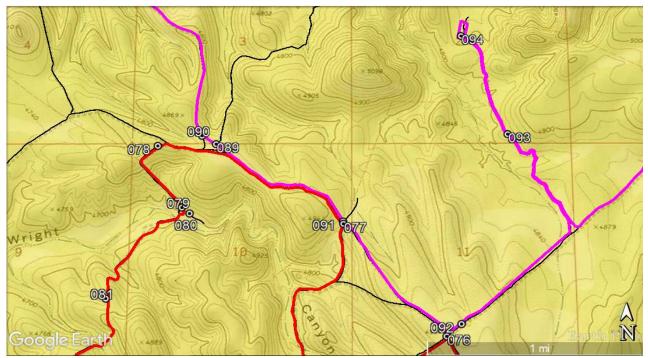
<u>Inset 6:</u> Showing points in Cottonwood Mountains #3 and #4. Points 059, 062, and 065 show the condition of primitive ways. Point 058 shows a cherrystem to a quarry. Point 060 shows an acceptable corral. Points 061, 063, and 064 show the condition of unit boundaries. A cherrystem is also present along the boundary of Cottonwood Mountains #4



<u>Inset 7:</u> Showing points in Cottonwood Mountains #3 and #4. Point 056 shows a primitive way. Points 057, 066, and 075 show the condition of unit boundaries.



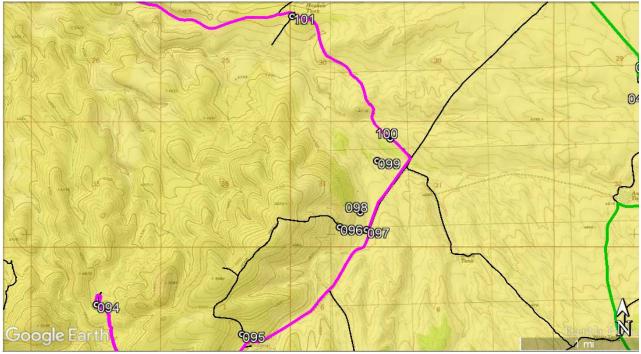
<u>Inset 8:</u> Showing points in Cottonwood Mountains #4. Point 068 shows the condition of a cherrystemmed wilderness inventory route which provides access to a water cistern at point 067 and to a corral at point 071. Points 069-074 show primitive ways.



<u>Inset 9:</u> Showing points in Cottonwood Mountains #4 and $\overline{*}$ 5. Points 091, 080, and 089 show primitive ways. Points 076, 092, 077, 090, 078, and 081 show the condition of unit boundaries. Point 079 shows an excluded corral. Points 093-094 show a cherrystem, which provides access to a water cistern and several well heads.



Inset 10: Showing points in Cottonwood Mountains #4. Points 083, 084, 085, and 088 show primitive ways. Point 082 shows the condition of a cherrystemmed road, which provides access to private land. Points 086 and 087 show the condition of the unit boundary.



Inset 11: Showing points in Cottonwood Mountains #5. Points 095, 096, and 101 show primitive ways. Point 097 shows an excluded water cistern. Point 099 shows a dilapidated corral, which is substantially unnoticeable; it is an acceptable impact. Point 100 shows the condition of the boundary.



Inset 12: Showing points in Cottonwood Mountains #5. Points 102 and 105-109 show primitive ways. Points 103, 110, and 111 show the condition of unit boundaries. Point 104 shows a cherrystemmed windmill/well.

Narrative Description of the Proposed LWC Boundary and Vehicle Routes

This narrative description is broken into 5 components – one per proposed LWC unit.

Cottonwood Mountains #1 Proposed LWC

<u>Northern Boundary:</u> This entire portion of boundary is defined by the Hualapai Indian Reservation.

Eastern Boundary: Points **018-024**; state and private lands.

- **018** shows the condition of a road which provides access to a water cistern **(019)**, a water catchment for the cistern **(020)**, and an AZGF Wildlife Water **(023)**. The features documented by these points are cherrystemmed from the unit boundary.
- **021** and **024** show a primitive ways which are user-created, unmaintained, and serve no apparent purpose. They minimally affect naturalness.
- **022** shows a reclaimed & unused way. It shows no signs of use, no evidence of construction, and is unmaintained.

Southern Boundary: Points **008-017**; wilderness inventory roads, private land.

- **008** shows BLM route 7037; it is part of the unit boundary.
- **009** shows a fenced enclosure; it minimally affects naturalness.
- **010** and **015** show the condition of the unit boundary road which follows Blye Canyon; they are constructed, maintained, and serve multiple purposes.
- **011** and **013** show a primitive way, which lacks evidence of construction, is unmaintained, and serves no purpose. It dead-ends at **013**.
- **012** shows an unmaintained stockpond; it minimally affects naturalness because it is tucked in a drainage bottom and screened by pinon-juniper woodlands.
- **014** shows an excluded corral and stockpond.
- **016-17** show a primitive way; it shows evidence of construction, but is unmaintained and serves no purpose. It connects to the cherrystem discussed along the eastern boundary, however it is evident that because of the lack of maintenance, especially compared to the cherrystemmed access route, this route is not being used to access cherrystemmed features.

Western Boundary: Points **001-007**; Atchison, Topeka, and Santa Fe Railway; private lands.

- **001-004** show a primitive way. This way is exceptionally navigable because of there terrain is exists upon; however, it lacks evidence of construction, is unmaintained, and serves no purpose.
- **005-007** show the condition of the unit boundary road.

Cottonwood Mountains #2 Proposed LWC

Two <100 acre private inholdings exist within this unit's boundaries.

Northern Boundary: Points 026-31, 010, 015; wilderness inventory roads.

- Points **010** and **015** show the condition of the unit boundary road, which follows Blye Canyon.
- **026** shows an excluded corral.
- **027-031** show primitive ways; they lack evidence of construction, are unmaintained, and serve no purpose. They all minimally affect naturalness.

<u>Eastern Boundary:</u> Points **032-037**; private and state lands.

- **032** shows a primitive way that follows a fence line along the BLM/Private/State Land interface. This route is unmaintained, lacks evidence of construction, and serves no purpose.
- **033-34** show a cherrystem that excludes an AZGF Wildlife Water and its access route.
- **035** and **037** show a primitive way, which follows Blye Canyon. This way lacks evidence of construction, is unmaintained, and serves no purpose. Many severely eroded wash-crossings exist along this route, and often the route is unrecognizable.
- **036** shows "Gnat Tank"; it minimally affects naturalness because it is tucked in a drainage bottom and is screened by vegetation.

Southern Boundary: Point **047-050**; private and state lands.

- **047** shows an excluded stockpond and corral.
- **048-49** shows a primitive way; it lacks evidence of construction, is unmaintained, and serves no purpose. It minimally affects naturalness.
- **050** shows a cherrystemmed AZGF Wildlife Water.

Western Boundary: Points **025**, **038-046**; wilderness inventory roads.

- **025** shows the condition of a wilderness inventory road: constructed, maintained, and with purpose.
- **038-040** show a cherrystem to Rock Tank, which is used and maintained.
- **041** shows the condition of a wilderness inventory road: constructed, maintained, and with purpose.
- **042** shows an excluded corral and water cistern.
- **043-44** show a wilderness inventory road. This route shows evidence of construction and maintenance is likely if needed because it appears to follow some sort of water line.
- **045** shows a reclaimed & unused way; it minimally affects naturalness.
- **046** shows the condition of a wilderness inventory road: constructed, maintained, and with purpose.

Cottonwood Mountains #3 Proposed LWC

Northern Boundary: Points **051-56**; wilderness inventory road.

- **051-54** show multiple ways which are user created, unmaintained, and serve no purpose. They minimally affect naturalness. They remain navigable because of the gentle topography they exist upon.
- **055** shows the condition of a wilderness inventory road: constructed, maintained, and with purpose.
- **056** show the condition of primitive way; it lacks evidence of construction, is unmaintained, and serves no apparent purpose. It minimally affects naturalness. It connects to point **059**.

Eastern Boundary: State and private lands. No photo data.

Southern Boundary: **060-064**; wilderness inventory roads, private land.

- **060** shows a corral and trough near Limestone Spring; these impacts are acceptable because they are dilapidated and overgrown. They are substantially unnoticeable.
- **061** and **063** show the condition of wilderness inventory roads.
 - o **061** is constructed, maintained, and with purpose.
 - 063 shows evidence of construction connects to state trust land, and thus, maintenance is likely if needed.

Western Boundary: **057-059**; wilderness inventory roads.

- **057** shows the condition of the unit boundary road: constructed, maintained, and with purpose.
- **058** shows a cherrystemmed rock quarry.
- **059** shows a primitive route which connects to **056** on the northern boundary. Here, the route is reclaimed and unused.

Cottonwood Mountains #4 Proposed LWC

Northern Boundary: **066-086**; private land; wilderness inventory roads.

- **066** shows the condition of a wilderness inventory road: constructed, maintained, and with purpose.
- **067-68** and **071** document a cherrystem.
 - o **067** shows a maintained, used water cistern and its access route.
 - 068 shows the condition of the access route to 067 and 071: constructed, maintained, and with purpose.
 - o **071** shows a used and maintained corral.
- **072-74** document a primitive way which connects to points **084-85**. It minimally affects naturalness.
 - o **072** shows a way which lacks evidence of construction, maintenance, and serves no apparent purpose.

- o **073** shows severe erosion and over grown vegetation.
- 074 and 084-85 show evidence of construction in the form a bench cut, however this route shows no signs of use, and no evidence of maintenance. It is largely overgrown as well.
- **075** shows the condition of the unit boundary road: constructed, maintained, and with purpose.
- **076-77** show wilderness inventory roads which access private land.
- **078** and **081** show the condition of the unit boundary road: constructed, maintained, and with purpose.
- **079** shows an excluded maintained corral.
- **080** shows a primitive way which lacks evidence of construction, is unmaintained, and serves no apparent purpose.
- **082** documents a cherrystem which provides access to private land.
- **083** shows revegetating primitive way. It lacks evidence of construction, is unmaintained, and serves no apparent purpose.
- **086** shows the condition of the unit boundary road: constructed, maintained, and with purpose.

Eastern Boundary: **057**, **060**, **064-65**; a cherrystemmed stockpond.

- **057**, **060**, and **064** show the condition of the unit boundary road: constructed, maintained, and with purpose.
- **065** shows a primitive way which enters the headwaters of Wright Canyon. This way lacks evidence of construction, is unmaintained, and without purpose. It reclaimed in many spots along its course.
- A cherrystem to a stockpond exists along the southern end of this eastern boundary; it was excluded because it is clearly used, and is close to the unit boundary.

Southern Boundary: Private and state lands. No photo point data.

Western Boundary: **087-88**; private land; wilderness inventory roads.

- **087** shows the condition of the unit boundary road: constructed, maintained, and with purpose.
- **088** shows a primitive way; it lacks evidence of construction, is unmaintained, and without purpose. It is severely overgrown.

Cottonwood Mountains #5 Proposed LWC

Northern Boundary: **099-110**; private land; wilderness inventory roads.

- **099** shows a dilapidated, unused corral. No access route exists. It is substantially unnoticeable, result of vegetative screening via the juniper woodlands surrounding it.
- **100** shows the condition of the unit boundary road: constructed, maintained, and with purpose.

- **101-102** show primitive ways; they lack evidence of construction, are unmaintained, and serve no purpose.
- **103** and **110** show the condition of the unit boundary road: constructed, maintained, and with purpose.
- **104** shows a windmill/well which is cherrystemmed from the unit boundary along with its access route.
- **105** shows a stockpond; it is substantially unnoticeable because it screened by topography and pinon-juniper woodlands.
- **106-108** document a primitive way which is unmaintained, lacking evidence of construction, and serves no purpose. A significant portion of this way follows a natural wash. This way connects to point **089**, which shows the same characteristics.

Eastern/southeastern Boundary: 092-098; wilderness inventory roads.

- **092** shows the condition of the unit boundary road: constructed, maintained, and with purpose.
- **093-94** show a cherrystem which excludes a maintained water cistern, water troughs for livestock, several well heads, and the associated access route.
- **095-96** show a reclaimed primitive way; it was constructed, but is unmaintained and without apparent purpose. It minimally affects naturalness.
- **097** shows an excluded water cistern close to the unit boundary.
- **098** shows a primitive way which lacks evidence of construction, is unmaintained, and without purpose. It minimally affects naturalness.

Western Boundary: 089-091, 109, 111; wilderness inventory roads.

- **089** shows a primitive way which is unmaintained, lacking evidence of construction, and serves no purpose. It minimally affects naturalness.
- **090** and **111** show the condition of the unit boundary road: constructed, maintained, and with purpose.
- **091** and **109** show primitive ways, which are unmaintained, lacking evidence of construction, and serve no purpose. They minimally affects naturalness.

This ends the narrative description.

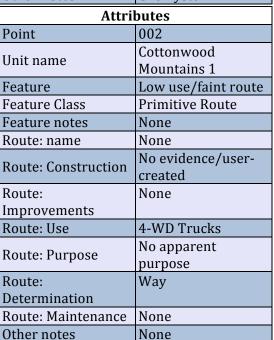
Section 4: Photopoint Data

This section contains the photos and associated data tables for each point displayed on the inset maps and described in the boundary description. Data are presented in numbered order as they appear in the boundary description. The table associated with each point includes notes recorded in the field using GeoJot, supporting the rationale for including or excluding the feature in the unit. The associated map shows satellite imagery of the exact location and direction the photo was taken in. Maps, photos, and tables were produced in GeoJot Core.

Attributes	
Point	001
Unit name	Cottonwood
Onit name	Mountains 1
Feature	Typical Condition of
reature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	2wd Vehicles
Route: Purpose	Accesses stockpond
Route:	Road
Determination	
Route: Maintenance	Likely if needed
Other notes	Cherrystem
A	











	butes
Point	004
Unit name	Cottonwood Mountains 1
Feature	Low use/faint route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles
Attri	butes
Point	003
Unit name	Cottonwood Mountains 1
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route: Improvements	None
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
_	parpose

Way

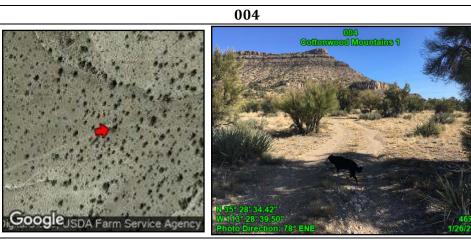
None

Kept open solely by passage of vehicles

Route:

Determination
Route: Maintenance

Other notes







Attri	butes
Point	005
Unit name	Cottonwood Mountains 1
Feature	Typical Condition of Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Route: Purpose	Multiple uses
Route:	Road
Determination	
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Other notes	Unit Boundary
	butes
Point	006
Unit name	Cottonwood Mountains 1
Feature	Water cisterns
Feature Class	Impact: Excluded
Feature notes	None
Route: name	N/A
Route: Construction	N/A
Route:	N/A
Improvements	
Route: Use	N/A

N/A

N/A

N/A

Exclude this impact

Route: Purpose

Determination Route: Maintenance

Other notes

Route:







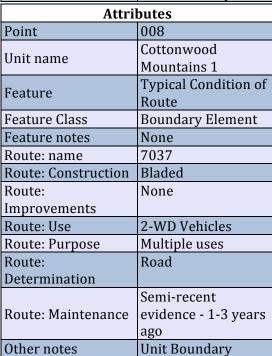




Attri	butes
Point	007
Unit name	Cottonwood Mountains 1
Feature	Typical Condition of Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Route: Purpose	Multiple uses
Route: Determination	Road
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Other notes	Unit Boundary
Attributes	
Point	008







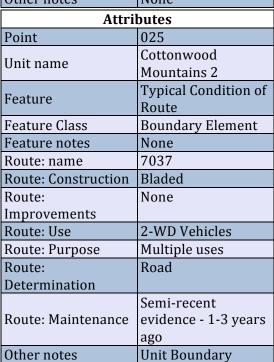


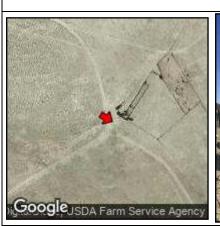


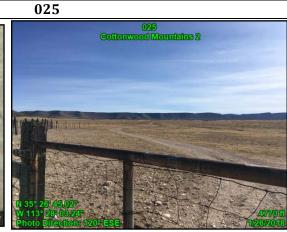
Attributes	
Point	009
Unit name	Cottonwood Mountains 1
Feature	Fenced enclosure
Feature Class	Impact: Acceptable
Feature notes	Feature minimally affects naturalness
Route: name	N/A
Route: Construction	N/A
Route:	N/A
Improvements	
Route: Use	N/A
Route: Purpose	N/A
Route:	N/A
Determination	
Route: Maintenance	N/A
Other notes	None







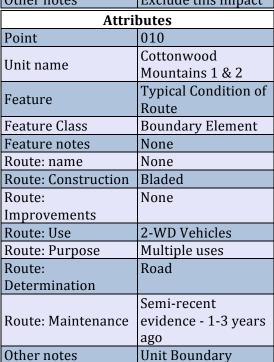




Attributes	
Point	026
Unit name	Cottonwood
Offic flatfic	Mountains 2
Feature	Corral
Feature Class	Boundary Element
Feature notes	None
Route: name	N/A
Route: Construction	N/A
Route:	N/A
Improvements	
Route: Use	N/A
Route: Purpose	N/A
Route:	N/A
Determination	
Route: Maintenance	N/A
Other notes	Exclude this impact











Attri	butes
Point	027
Unit name	Cottonwood
п .	Mountains 2
Feature	Low use/faint route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Route: Purpose	No apparent
-	purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	None
	butes
Point	011
Unit name	Cottonwood
Unit name	Mountains 1
Feature	Low use/faint route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Noute. Osc	= b . cimeres

No apparent

Kept open solely by passage of vehicles

purpose Way

None









Route: Purpose

Determination
Route: Maintenance

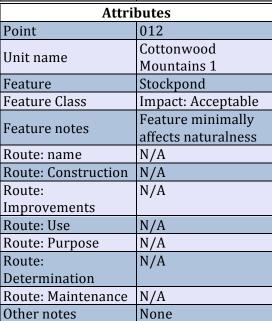
Other notes

Route:

Attributes	
Point	028
Unit name	Cottonwood
Offic fiame	Mountains 2
Feature	Typical Condition of
1 catare	Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user-
Route: Construction	created
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Route: Purpose	No apparent
	purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by
	passage of vehicles
Attributos	



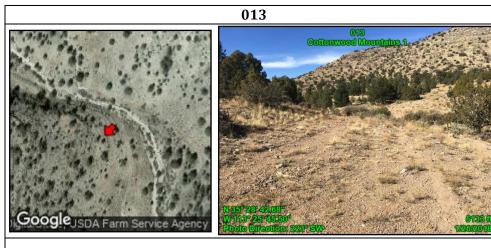








Attri	butes
Point	013
Unit name	Cottonwood Mountains 1
Feature	Dead-end
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Danita Dani	No apparent
Route: Purpose	purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	None
Attri	butes
Point	029
Unit name	Cottonwood Mountains 2
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles







Attri	Attributes	
Point	030	
Unit name	Cottonwood Mountains 2	
Feature	Typical Condition of Route	
Feature Class	Primitive Route	
Feature notes	None	
Route: name	None	
Route: Construction	No evidence/user- created	
Route:	None	
Improvements		
Route: Use	2-WD Vehicles	
Route: Purpose	No apparent purpose	
Route:	Way	
Determination		
Route: Maintenance	None	
Other notes	None	
Attri	butes	
Point	014	
Unit name	Cottonwood Mountains 1	
Feature	Stockpond/Corral	
Feature Class	Boundary Element	
Feature notes	None	
Route: name	N/A	
Route: Construction	N/A	
Route:	N/A	
Improvements		
Route: Use	N/A	
Route: Purpose	N/A	
Route:	N/A	
Determination		
Route: Maintenance	N/A	









Attri	butes
Point	015
Unit name	Cottonwood
Unit name	Mountains 1 & 2
Facture	Typical Condition of
Feature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	4wd Trucks
Route: Purpose	Multiple uses
Route:	Road
Determination	
	Semi-recent
Route: Maintenance	evidence - 1-3 years
	ago
Other notes	Unit Boundary
Attri	butes
Point	017
II '.	Cottonwood
Unit name	Mountains 1
Footune	Typical Condition of
Feature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent

purpose

Likely if needed Unit Boundary

Way









Route: Purpose

Determination

Other notes

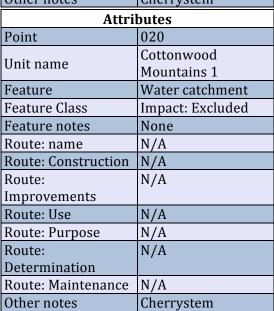
Route: Maintenance

Route:

Attributes	
Point	019
Unit name	Cottonwood
Offic fiame	Mountains 1
Feature	Water cistern
Feature Class	Impact: Excluded
Feature notes	None
Route: name	N/A
Route: Construction	N/A
Route:	N/A
Improvements	
Route: Use	N/A
Route: Purpose	N/A
Route:	N/A
Determination	
Route: Maintenance	N/A
Other notes	Cherrystem
Attributos	







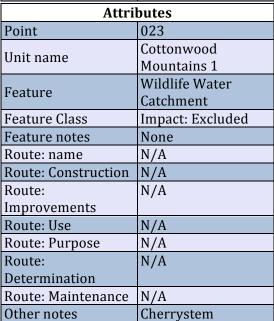




Attributes	
Point	021
Unit name	Cottonwood Mountains 1
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route: Determination	Way
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles
Attributes	







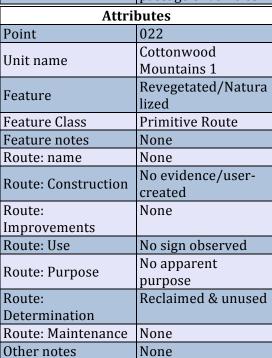




Attributes	
Point	024
Unit name	Cottonwood Mountains 1
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles





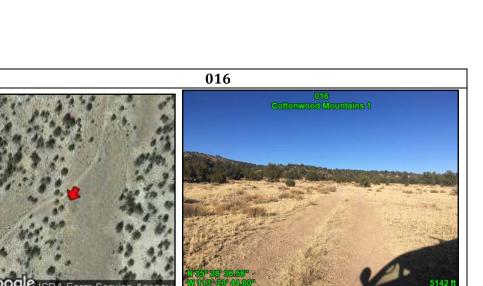






	butes
Point	018
Unit name	Cottonwood
	Mountains 1
п.	Typical Condition of
Feature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
D t C t t	Probably only
Route: Construction	bladed once
Route:	None
Improvements	
Route: Use	No sign observed
Doute, Durage	Water catchment
Route: Purpose	access
Route:	Road
Determination	
Route: Maintenance	Likely if needed
Other notes	Cherrystem
Attri	butes
Point	016
TT '.	Cottonwood
Unit name	Mountains 1
г.,	Typical Condition of
Feature	Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
	No evidence/user-
Route: Construction	created
Route:	None
Improvements	
Route: Use	No sign observed
	No apparent
Route: Purpose	purpose
Route:	Way
Determination	
	N.T.
Route: Maintenance	None



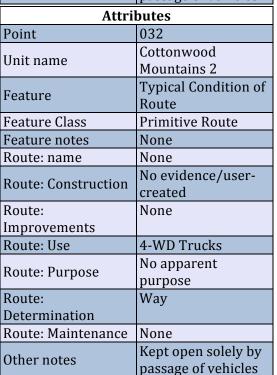


018

Attributes	
Point	031
Unit name	Cottonwood Mountains 2
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles











Attri	butes
Point	033
Unit name	Cottonwood Mountains 2
Feature	Typical Condition of Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Route: Purpose	Access game water catchment
Route:	Road
Determination	
Route: Maintenance	Likely if needed
Other notes	Cherrystem
Attri	butes
Point	034
Unit name	Cottonwood Mountains 2
Feature	Wildlife Water Catchment
Feature Class	Boundary Element
Feature notes	None
Route: name	N/A
Route: Construction	N/A
Route: Improvements	N/A

N/A

N/A

N/A

N/A Cherrystem









Route: Use

Route:

Route: Purpose

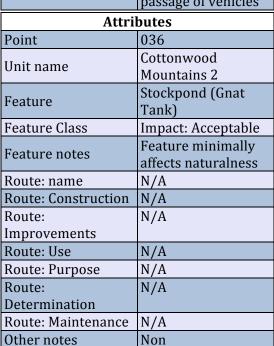
Determination

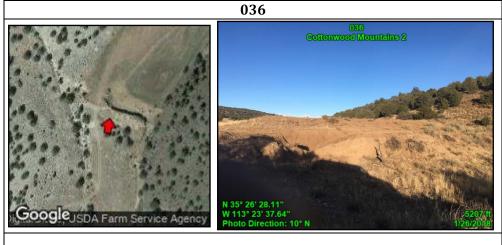
Other notes

Route: Maintenance

Attributes	
Point	035
Unit name	Cottonwood Mountains 2
Feature	Typical Condition of Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	N/A
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles



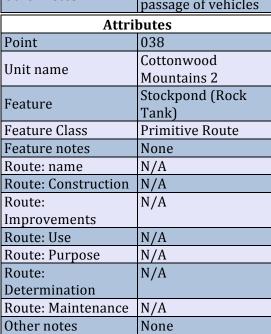




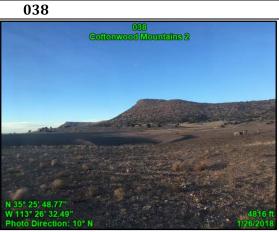
Attri	butes
Point	037
Unit name	Cottonwood Mountains 2
Feature	Low use/faint route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles
Attributes	
Point	038
Unit name	Cottonwood







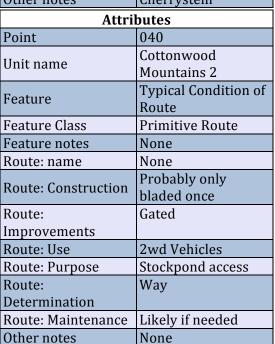




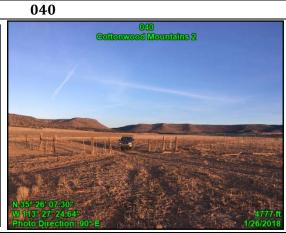
Attributes	
Point	039
Unit name	Cottonwood Mountains 2
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	Probably only bladed once
Route: Improvements	None
Route: Use	4-WD Trucks
Route: Purpose	Stockpond access
Route:	Road
Determination	
Route: Maintenance	Likely if needed
Other notes	Cherrystem
A	







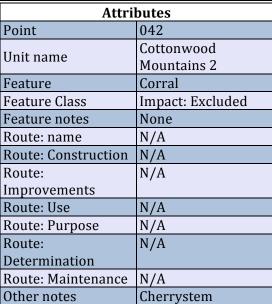




Attributes	
Point	041
Unit name	Cottonwood Mountains 2
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	2WD Vehicles
Route: Purpose	Multiple uses
Route:	Road
Determination	
Route: Maintenance	Old evidence - 3-5 years ago
Other notes	Cherrystem
A., 11 .	











	butes
Point	049
Unit name	Cottonwood
	Mountains 2
F. a turne	Typical Condition of
Feature	Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	IVOITE
Route: Use	4-WD Trucks
Noute. Use	No apparent
Route: Purpose	purpose
Route:	Way
Determination	vvay
Route: Maintenance	None
Other notes	None
	butes
Point	043
1 Offic	Cottonwood
Unit name	
Unit name	
	Mountains 2
Feature	Mountains 2 Metal pipe
Feature Class	Mountains 2 Metal pipe Impact: Acceptable
Feature Feature Class Feature notes	Mountains 2 Metal pipe Impact: Acceptable None
Feature Feature Class Feature notes Route: name	Mountains 2 Metal pipe Impact: Acceptable None N/A
Feature Class Feature notes Route: name Route: Construction	Mountains 2 Metal pipe Impact: Acceptable None N/A N/A
Feature Feature Class Feature notes Route: name Route: Construction Route:	Mountains 2 Metal pipe Impact: Acceptable None N/A
Feature Feature Class Feature notes Route: name Route: Construction Route: Improvements	Mountains 2 Metal pipe Impact: Acceptable None N/A N/A N/A
Feature Feature Class Feature notes Route: name Route: Construction Route: Improvements Route: Use	Mountains 2 Metal pipe Impact: Acceptable None N/A N/A N/A N/A
Feature Feature Class Feature notes Route: name Route: Construction Route: Improvements Route: Use Route: Purpose	Mountains 2 Metal pipe Impact: Acceptable None N/A N/A N/A N/A N/A
Feature Feature Class Feature notes Route: name Route: Construction Route: Improvements Route: Use Route: Purpose Route:	Mountains 2 Metal pipe Impact: Acceptable None N/A N/A N/A N/A
Feature Feature Class Feature notes Route: name Route: Construction Route: Improvements Route: Use Route: Purpose	Mountains 2 Metal pipe Impact: Acceptable None N/A N/A N/A N/A N/A









Attri	butes
Point	044
Unit name	Cottonwood Mountains 2
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	Probably only bladed once
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	Well access
Route:	Road
Determination	
Route: Maintenance	Likely if needed
Other notes	None
Attri	butes
Point	045
Unit name	Cottonwood Mountains 2
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	

4-WD Trucks No apparent

Reclaimed & unused

purpose

None

None









Route: Use

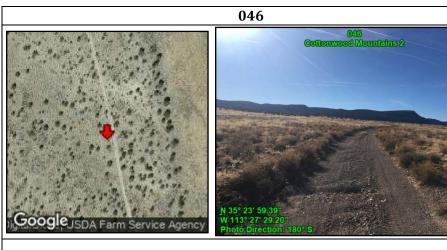
Route:

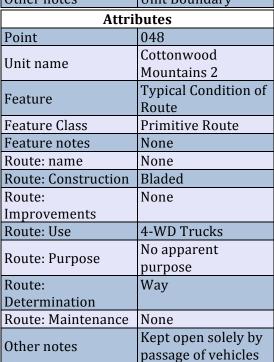
Route: Purpose

Determination
Route: Maintenance

Other notes

Attributes	
Point	046
Unit name	Cottonwood
	Mountains 2
Feature	Typical Condition of
reature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Route: Purpose	Multiple uses
Route:	Road
Determination	
Route: Maintenance	Likely if needed
Other notes	Unit Boundary





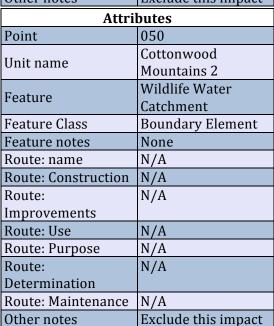




Attributes	
Point	047
Unit name	Cottonwood
Omit name	Mountains 2
Feature	Stockpond
Feature Class	Boundary Element
Feature notes	None
Route: name	N/A
Route: Construction	N/A
Route:	N/A
Improvements	
Route: Use	N/A
Route: Purpose	N/A
Route:	N/A
Determination	
Route: Maintenance	N/A
Other notes	Exclude this impact











Attri	butes
Point	052
Unit name	Cottonwood
п .	Mountains 3
Feature	Low use/faint route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
	Kept open solely by
Other notes	passage of vehicles
Attri	butes
Point	054
	Cottonwood
Unit name	Mountains 3
	Typical Condition of
Feature	Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route, Haine	No evidence/user-
Route: Construction	created
Route:	None

4-WD Trucks

No apparent

Kept open solely by

passage of vehicles

purpose Way

None









Improvements

Route: Purpose

Determination
Route: Maintenance

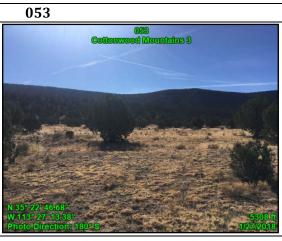
Other notes

Route: Use

Route:

Attri	butes
Point	053
	Cottonwood
Unit name	Mountains 3
п .	Revegetated/Natura
Feature	lized
Feature Class	Primitive Route
Feature notes	None
Route: name	None
D + C + +:	No evidence/user-
Route: Construction	created
Route:	None
Improvements	
Route: Use	No sign observed
D	No apparent
Route: Purpose	purpose
Route:	Reclaimed & unused
Determination	
Route: Maintenance	None
Other notes	None
Attri	butes
Point	051
	Cottonwood
Unit name	Mountains 3
г .	Typical Condition of
Feature	Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
	No evidence/user-
Route: Construction	created
Route:	None
Improvements	
Route: Use	4-WD Trucks
	No apparent
Route: Purpose	purpose
D (Way
Route:	
Route: Determination	
	None
Determination	None Kept open solely by





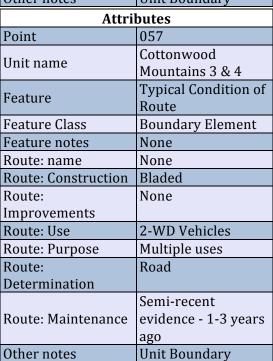




Attributes	
Point	055
Unit name	Cottonwood Mountains 3
Feature	Typical Condition of Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Probably only bladed once
Route: Improvements	Gated
Route: Use	4-WD Trucks
Route: Purpose	Multiple uses
Route:	Road
Determination	
Route: Maintenance	Likely if needed
Other notes	Unit Boundary
Attributos	



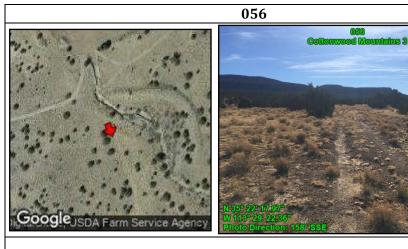


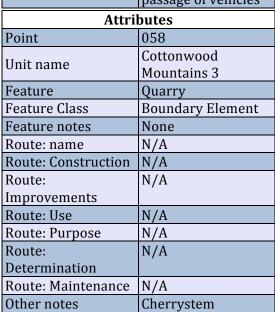






Attributes	
Point	056
Unit name	Cottonwood Mountains 3
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles
Attributes	



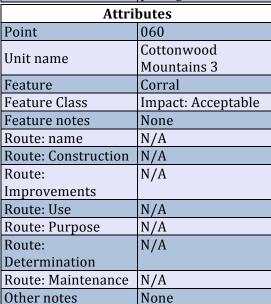




Attributes	
Point	059
Unit name	Cottonwood Mountains 3
Feature	Dead-end
Feature Class	Boundary Element
Feature notes	Feature minimally affects naturalness
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Route: Purpose	No apparent purpose
Route: Determination	Way
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles
Attri	hutac





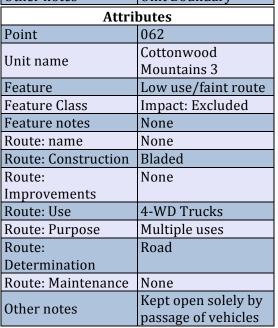






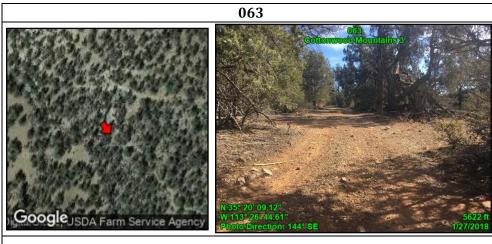
Attri	butes
Point	061
Unit name	Cottonwood Mountains 3
Feature	Typical Condition of Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	N/A
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	Multiple uses
Route: Determination	Road
Route: Maintenance	Old evidence - 3-5 years ago
Other notes	Unit Boundary
Attributes	
Point	062
Unit name	Cottonwood Mountains 3
Feature	Low use /faint route

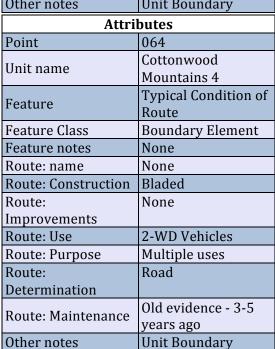


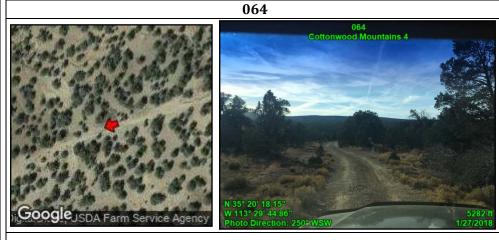




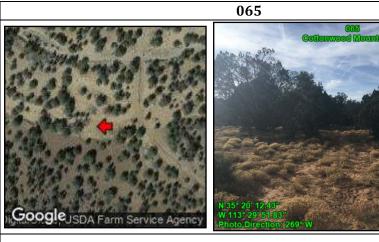
Attributes	
Point	063
Unit name	Cottonwood
Unit name	Mountains 3
Feature	Typical Condition of
reature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	Multiple uses
Route:	Road
Determination	
Route: Maintenance	Likely if needed
Other notes	Unit Boundary

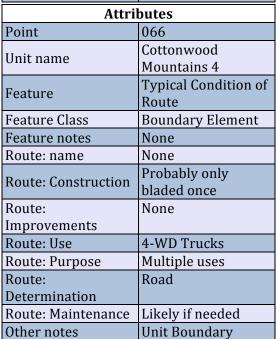






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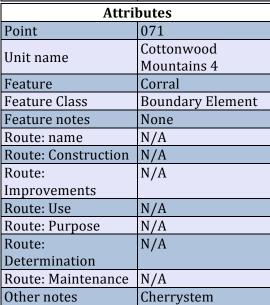




Attributes	
Point	068
Unit name	Cottonwood Mountains 4
Feature	Typical Condition of Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Probably only bladed once
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	Multiple uses
Route:	Road
Determination	
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Other notes	Unit Boundary
Attributes	





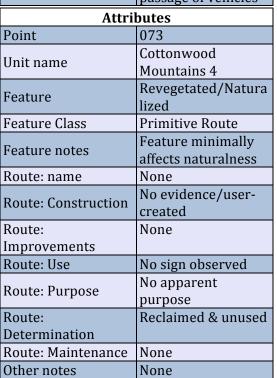






Attri	butes
Point	072
Unit name	Cottonwood Mountains 4
Feature	Low use/faint route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route: Determination	Way
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles
Attri	butes
Point	073
Unit name	Cottonwood Mountains 4
Feature	Revegetated/Natura lized
Feature Class	Primitive Route
Feature notes	Feature minimally affects naturalness
Route: name	None
	No ovidence /uger







Attributes		
Point	074	
Unit name	Cottonwood	
	Mountains 4	
F	Revegetated/Natura	
Feature	lized	
Feature Class	Primitive Route	
Ft	Feature minimally	
Feature notes	affects naturalness	
Route: name	None	
Route: Construction	Bladed	
Route:	None	
Improvements		
Route: Use	No sign observed	
	No apparent	
Route: Purpose	purpose	
Route:	Reclaimed & unused	
Determination		
Route: Maintenance	None	
Other notes	None	
	butes	
Point	069	
	Cottonwood	
Unit name	Mountains 4	
_	Typical Condition of	
Feature	Route	
Feature Class	Primitive Route	
	Feature minimally	
Feature notes	affects naturalness	
Route: name	None	
	No evidence/user-	
Route: Construction	created	
Route:	None	
Improvements		
Route: Use	No sign observed	
	No apparent	
Route: Purpose	purpose	
Route:	Way	
Determination		
	End at a hole in the	
Route: Maintenance	ground	
	Kept open solely by	
Other notes	ikentonen solelv nv	





Attri	butes
Point	070
Unit name	Cottonwood
Unit name	Mountains 4
Feature	Revegetated/Natura
	lized
Feature Class	Primitive Route
Feature notes	Feature minimally affects naturalness
Route: name	None
	No evidence/user-
Route: Construction	created
Route:	None
Improvements	
Route: Use	No sign observed
D t - D	No apparent
Route: Purpose	purpose
Route:	Reclaimed & unused
Determination	
Route: Maintenance	None
Other notes	None
Attri	butes
Point	067
IIn:t manna	Cottonwood
Unit name	Mountains 4
Feature	Water cistern and
reature	access route
Feature Class	Boundary Element
Feature notes	None
Route: name	N/A
Route: Construction	N/A
Route:	N/A
Improvements	
Route: Use	N/A
D . D	37 / A

N/A N/A

N/A

Cherrystem

Route: Purpose

Determination Route: Maintenance

Other notes

Route:





Attri	butes
Point	075
II.n.i.t. m. a.m. a	Cottonwood
Unit name	Mountains 4
г .	Typical Condition of
Feature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Route: Purpose	Multiple uses
Route:	Road
Determination	
	Semi-recent
Route: Maintenance	evidence - 1-3 years
	ago
Other notes	Unit Boundary
Attri	butes
Point	076
**	Cottonwood
Unit name	Mountains 4
F	Typical Condition of
Feature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Route: Purpose	Private land access

Road

Old evidence - 3-5

years ago Unit Boundary









Route:

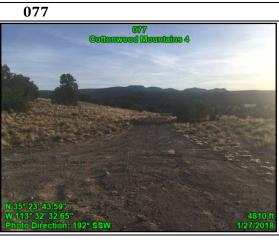
Determination

Other notes

Route: Maintenance

Attri	butes
Point	077
Unit name	Cottonwood
	Mountains 4
Feature	Typical Condition of
reature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Route: Purpose	Private land access
Route:	Road
Determination	
	Semi-recent
Route: Maintenance	evidence - 1-3 years
	ago
Other notes	Unit Boundary
Attri	butes
Point	091
IIn:t name	Cottonwood
Unit name	Mountains 5
Feature	Typical Condition of
reature	Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Dt- Cti	No evidence/user-
Route: Construction	created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Dauta, Duragas	No apparent
Route: Purpose	purpose
Route:	Way
Route: Determination	Way
	None









Attri	butes
Point	078
Unit name	Cottonwood
	Mountains 4
F. atama	Typical Condition of
Feature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	Multiple uses
Route:	Road
Determination	
	Semi-recent
Route: Maintenance	evidence - 1-3 years
	ago
Other notes	Unit Boundary
Attri	butes
Point	080
Unit name	Cottonwood
Unit name	Mountains 4
Feature	Typical Condition of
reature	Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user-
Route: Collsti uction	created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent
Noute. Ful pose	purpose
Route:	Way
Determination	
	None None

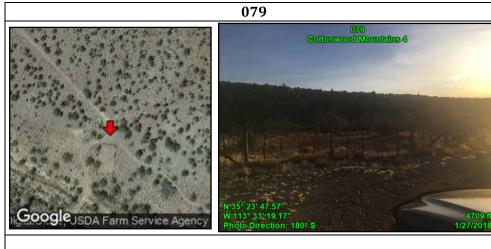


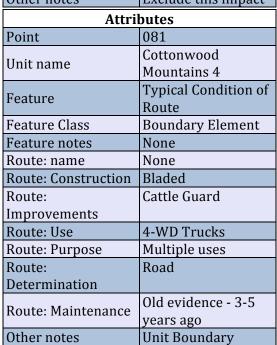






Attributes	
Point	079
Unit name	Cottonwood
г .	Mountains 4
Feature	Corral
Feature Class	Boundary Element
Feature notes	None
Route: name	N/A
Route: Construction	N/A
Route:	N/A
Improvements	
Route: Use	N/A
Route: Purpose	N/A
Route:	N/A
Determination	
Route: Maintenance	N/A
Other notes	Exclude this impact







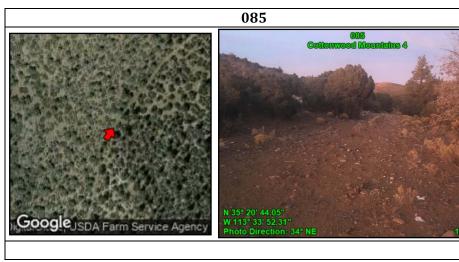
Attri	butes	
Point	082	Ī
Unit name	Cottonwood	
	Mountains 4	
Footung	Typical Condition of	
Feature	Route	
Feature Class	Boundary Element	
Feature notes	None	
Route: name	None	
Route: Construction	Bladed	
Route:	None	
Improvements		
Route: Use	4-WD Trucks	
Poutor Durnaga	Accesses private	ľ
Route: Purpose	land	L
Route:	Road	
Determination		
Dauta, Maintanana	Old evidence - 3-5	
Route: Maintenance	years ago	
Other notes	Cherrystem	
Attri	butes	Ī
Point	084	ľ
II	Cottonwood	
Unit name	Mountains 4	
Footune	Typical Condition of	
Feature	Route	
Feature Class	Primitive Route	
Feature notes	None	
Route: name	None	
Route: Construction	Bladed	
Route:	None	
Improvements		
Route: Use	4-WD Trucks	
	No apparent	ŀ
Route: Purpose	purpose	L
Route:	Way	
Determination		
Route: Maintenance	None	
Other notes	Kept open solely by	
	passage of vehicles	

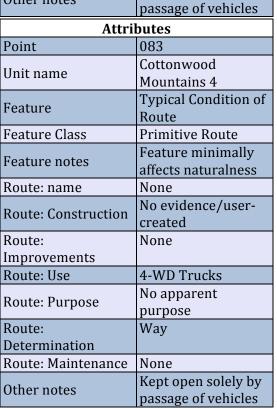


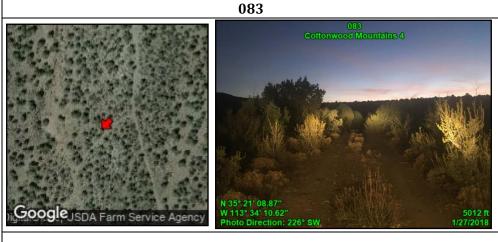




Attri	butes
Point	085
Unit name	Cottonwood Mountains 4
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles
Attributes	
Point	083
Unit name	Cottonwood Mountains 4

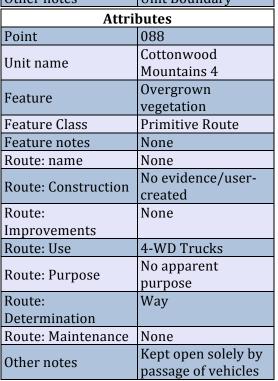






Attributes	
Point	086
Unit name	Cottonwood
Unit name	Mountains 4
Easturo	Typical Condition of
Feature	Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	Multiple uses
Route:	Road
Determination	
Route: Maintenance	Old evidence - 3-5
Route: Maintenance	years ago
Other notes	Unit Boundary
Attributas	







	butes
Point	087
Unit name	Cottonwood
	Mountains 4
Footung	Typical Condition of
Feature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	Private land access
Route:	Road
Determination	
	Semi-recent
Route: Maintenance	evidence - 1-3 years
	ago
Other notes	Unit Boundary
Attri	butes
Point	090
**	Cottonwood
Unit name	Mountains 5
п .	Typical Condition of
Feature	Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	Multiple uses
Route:	Road
Determination	
	_

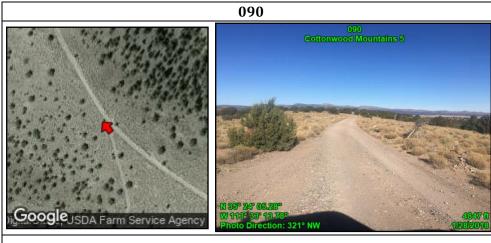
Semi-recent

Unit Boundary

ago

evidence - 1-3 years





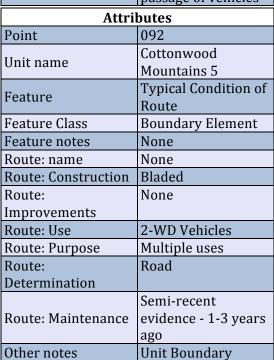
Route: Maintenance

Other notes

Attri	butes
Point	089
Unit name	Cottonwood Mountains 5
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles
Attributes	
Point	092







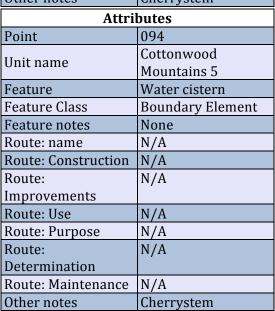




Attributes	
Point	093
Unit name	Cottonwood Mountains 5
Feature	Typical Condition of Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	Water feature access
Route:	Road
Determination	
Route: Maintenance	Likely if needed
Other notes	Cherrystem
Attributos	











Attributes	
Point	095
Unit name	Cottonwood
	Mountains 5
Feature	Revegetated/Natura
	lized
Feature Class	Primitive Route
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	No sign observed
Route: Purpose	No apparent
Route: Pulpose	purpose
Route:	Reclaimed & unused
Determination	
Route: Maintenance	None
Other notes	None
Attri	butes
Point	097
Unit name	Cottonwood
Offic fiame	Mountains 5
Feature	Water cistern
Feature Class	Impact: Excluded
Feature notes	Unmaintained
Route: name	N/A
Route: Construction	N/A
Route:	N/A
Improvements	
Route: Use	N/A
Route: Purpose	N/A
Route:	N/A
Determination	
Route: Maintenance	N/A

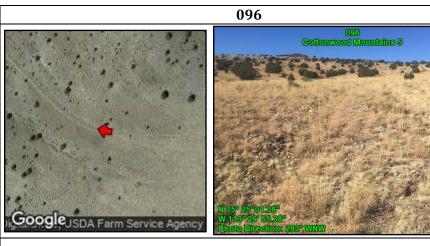








<u>A</u> ttri	butes
Point	096
Unit name	Cottonwood
	Mountains 5
П.	Revegetated/Natura
Feature	lized
Feature Class	Primitive Route
п .	Feature minimally
Feature notes	affects naturalness
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	No sign observed
	No apparent
Route: Purpose	purpose
Route:	Reclaimed & unused
Determination	
Route: Maintenance	None
Other notes	None
	butes
Point	098
1 01110	Cottonwood
Unit name	Mountains 5
_	Revegetated/Natura
Feature	lized
Feature Class	Primitive Route
	Feature minimally
Feature notes	affects naturalness
Route: name	None
	No evidence/user-
Route: Construction	created
Route:	None
Improvements	
TITLDI O V CITICIICO	NT . 1
Route: Use	No sign observed
Route: Use	No sign observed No apparent
_	No apparent
Route: Use	
Route: Use Route: Purpose	No apparent purpose
Route: Use Route: Purpose Route:	No apparent purpose



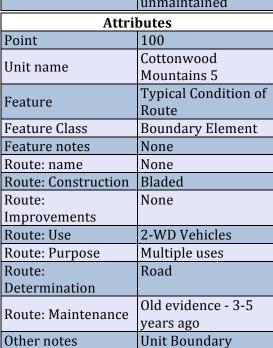




Attributes	
Point	099
Unit name	Cottonwood Mountains 5
Feature	Corral
Feature Class	Impact: Acceptable
Feature notes	Feature minimally affects naturalness
Route: name	N/A
Route: Construction	N/A
Route:	N/A
Improvements	
Route: Use	N/A
Route: Purpose	N/A
Route:	N/A
Determination	
Route: Maintenance	N/A
Other notes	Overgrown, unmaintained



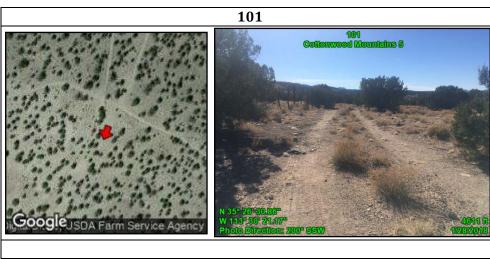


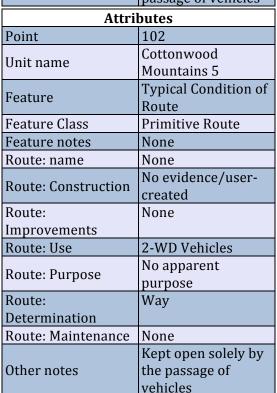






Attributes	
Point	101
Unit name	Cottonwood Mountains 5
Feature	Typical Condition of Route
Feature Class	Boundary Element
Feature notes	Feature minimally affects naturalness
Route: name	None
Route: Construction	No evidence/user- created
Route: Improvements	None
Route: Use	2-WD Vehicles
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles









	butes
Point	103
Unit name	Cottonwood Mountains 5
Feature	Typical Condition of Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	2-WD Vehicles
Route: Purpose	Multiple uses
Route:	Road
Determination	
Route: Maintenance	Old evidence - 3-5 years ago
Other notes	Unit Boundary
Attri	butes
Point	104
**	Cottonwood
Unit name	Mountains 5
Feature	Windmill/Well
Feature Class	Impact: Excluded
Feature notes	None
Route: name	N/A
Route: Construction	N/A
Route:	N/A
Improvements	
Route: Use	N/A

N/A

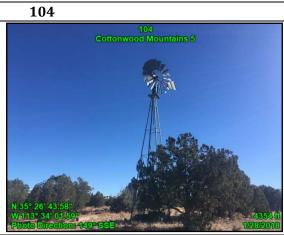
N/A

N/A Cherrystem









Route: Purpose

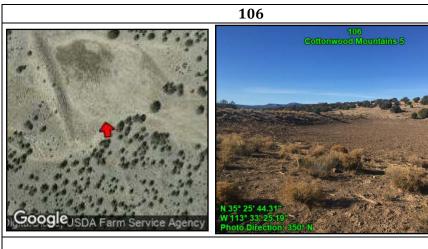
Determination

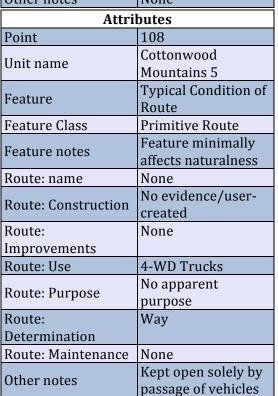
Other notes

Route: Maintenance

Route:

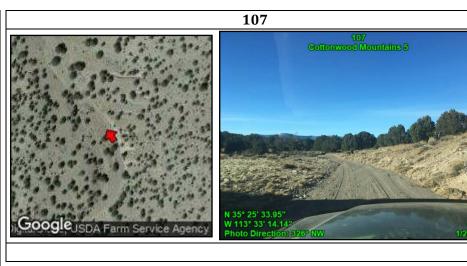
Attributes	
Point	106
Unit name	Cottonwood
Onit name	Mountains 5
Feature	Stockpond
Feature Class	Impact: Acceptable
Feature notes	Feature minimally
reature notes	affects naturalness
Route: name	N/A
Route: Construction	N/A
Route:	N/A
Improvements	
Route: Use	N/A
Route: Purpose	N/A
Route:	N/A
Determination	
Route: Maintenance	N/A
Other notes	None

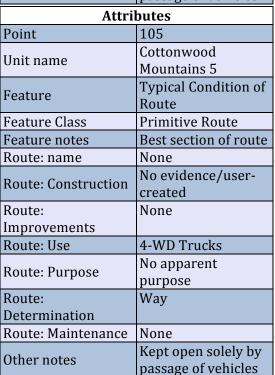


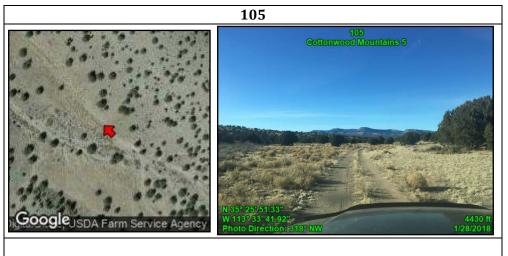




Attributes	
Point	107
Unit name	Cottonwood Mountains 5
Feature	Natural Wash
Feature Class	Primitive Route
Feature notes	Feature minimally affects naturalness
Route: name	None
Route: Construction	No evidence/user- created
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route:	Way
Determination	
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles

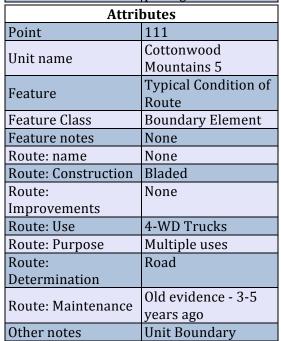






Attributes	
Point	109
Unit name	Cottonwood Mountains 5
Feature	Typical Condition of Route
Feature Class	Primitive Route
Feature notes	Feature minimally affects naturalness
Route: name	None
Route: Construction	No evidence/user- created
Route: Improvements	None
Route: Use	4-WD Trucks
Route: Purpose	No apparent purpose
Route: Determination	Way
Route: Maintenance	None
Other notes	Kept open solely by passage of vehicles







Attri	butes
Point	110
Unit name	Cottonwood Mountains 5
Feature	Typical Condition of Route
Feature Class	Boundary Element
Feature notes	None
Route: name	None
Route: Construction	Bladed
Route:	None
Improvements	
Route: Use	4-WD Trucks
Route: Purpose	Multiple uses
Route:	Road
Determination	
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Other notes	Unit Boundary

