

PROPOSED LANDS WITH WILDERNESS CHARACTERISTICS:

GARNET MOUNTAIN

PUBLIC LANDS IN THE SOUTHERN GRAND WASH CLIFFS, ARIZONA



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



ARIZONA WILDERNESS COALITION

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TABLE OF CONTENTS

PREFACE: This Proposal was developed according to BLM Manual 6310 ————— *page 3*

Section 1: Overview of the Proposed Lands with Wilderness Characteristics

Unit Introduction: Overview map showing unit location and boundaries ————— *page 5*

- *provides a brief description and labels for the units' boundary*

Previous Wilderness Inventories: Map of former WSA's or inventory unit's ————— *page 6*

- *provides comparison between this and past wilderness inventories, and highlights new information*

Scenic Photos: 12 images that capture the magnificence of the proposed LWC ————— *page 7*

- *with overview map and notes on geology, plants, wilderness characteristics, and unit boundaries*

Section 2: Documentation of Wilderness Characteristics

The proposed LWC meets the minimum size criteria for roadless lands ————— *page 14*

The proposed LWC is affected primarily by the forces of nature ————— *page 14*

The proposed LWC provides outstanding opportunities for solitude and/or primitive and unconfined recreation ————— *page 15*

The proposed LWC has supplemental values that enhance the wilderness experience & deserve protection ————— *page 17*

Conclusion: The proposed area should be managed for protection of wilderness characteristics ————— *page 21*

Literature Cited ————— *page 21*

Appendices ————— *page 22*

Section 3: Detailed Maps and Description of the Unit Boundary, Roads, Ways and Human Impacts

Overview Map showing extent of Detail Maps ————— *page 23*

Detail Maps with Photopoint Locations ————— *page 24*

Narrative Description of the Proposed LWC Boundary and Vehicle Routes ————— *page 29*

Section 4: Photopoint Data

Data Tables and Geotagged Photographs to accompany the Detailed Boundary & Vehicle Routes Description ————— *page 34*

Cover Photo: Scenic Photo S4, taken from along the western unit boundary, looking up at Garnet Mountain.

**Use of "Mohave" and Mojave" in this report reflect the original source the information is taken from.*

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 up-to-date information, collected and presented according to the requirements described in Manual 6310.**²

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

Minimum standards for LWC proposals are described in Manual 6310 in section .06.B.1. There are three things required in a citizens' 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.**

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 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**

Sufficient roadless area to satisfy size requirements (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**

Affected primarily by the forces of nature – 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.

Human impacts – Human impacts must be documented and some are acceptable so long as they are “substantially unnoticeable”; Examples include trails, bridges, fire rings, minor radio repeater sites, air quality monitoring devices, fencing, spring developments, and stock ponds.

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?

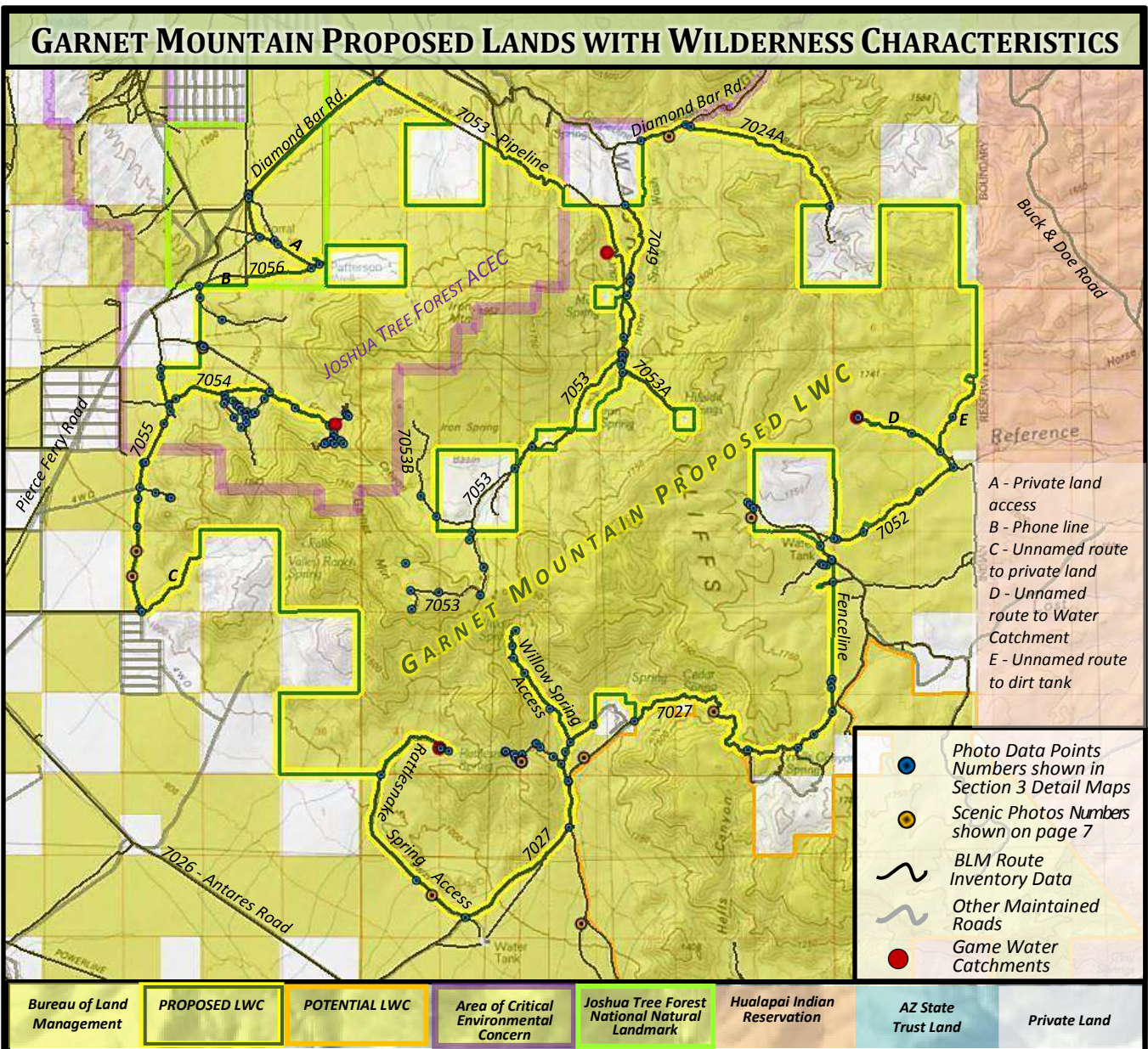
Boundaries should be based on wilderness inventory roads and naturalness rather than opportunities for solitude or primitive and unconfined recreation. For inventorying wilderness characteristics, BLM will use the “road” definition from FLPMA’s legislative history; the term “road” and “wilderness inventory 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.

Unit Introduction: Overview map showing unit location & labeled boundaries



The Garnet Mountain Proposed LWC encompasses approximately 38,275 acres in the southern Grand Wash Cliffs in central Mohave County, Arizona. The unit borders the western edge of the Hualapai Indian Reservation about 40 miles due north of the city of Kingman. Containing soaring granitic peaks, the ramparts of the Grand Wash Cliffs, and the long, broad valley called Iron Springs Basin; this is a remarkable scenic backdrop for those travelling to Lake Mead by way of Pierce Ferry Road, and those headed to the Hualapai Skywalk and Grand Canyon West on Diamond Bar Road. The units' boundaries consist of property lines, wilderness inventory roads, and barriers to naturalness, all labeled on this map and described in detail later in this report. Featuring a wide variety of vegetation, geology, soils and terrain, this area supports an array of wildlife, including elk, mule deer, golden eagle and peregrine falcon. Of particular ecological importance is the Joshua tree forest that flanks the units' western and northern slopes. This magnificent ecosystem is considered the largest and most intact Joshua tree forest in Arizona, and is currently managed for increased protection through designation as an Area of Critical Environmental Concern. Also, a portion of it is recognized as a National Natural Landmark, although that status does not increase protection. Several cherrystemmed routes lead to dirt tanks, game waters, private lands, and spring developments, thus excluding these human impacts from the unit. Few primitive routes cross the unit, and those that do are predominantly faint two-tracks or reclaimed by nature. This unit is predominantly in a fully natural state, dominated by the forces of nature and not man. Outstanding opportunities for hiking, backpacking, horseback riding, rock climbing, and nature study are found throughout the unit, where solitude, silence and scenic wonders are abundant. Arizona Wilderness Coalition has prepared this report and accompanying data to propose to the BLM that this unit be managed for the maintenance of wilderness characteristics for the benefit and enjoyment by the public, and to protect important ecological features.



Map of Proposed LWC, showing photo data points, vehicle routes, and unit boundaries. Background map USGS topographic. Data: Google Earth, Bing, BLM, USGS, US Census, AZDOT, TWS, Field Survey. Projection: WGS 84 - UTM Zone 12N Produced for Arizona Wilderness Coalition by Joe Trudeau, Hassayampa Forestry & Ecological. Feb. 2017 . www.az-eco.com.

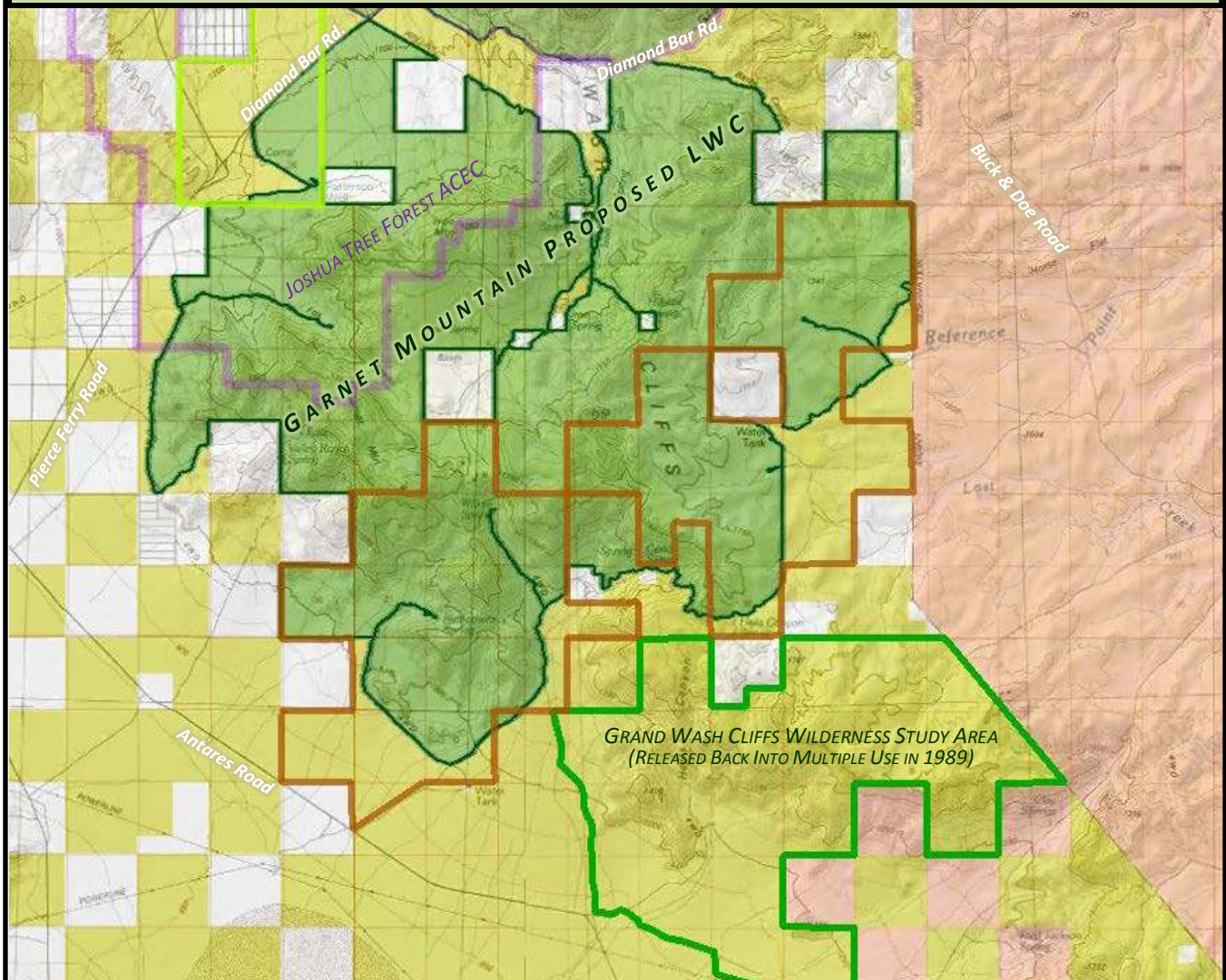
1 mile

5 miles



Previous Wilderness Inventories: Map & discussion of former WSA's or inventory units

GARNET MOUNTAIN PROPOSED LANDS WITH WILDERNESS CHARACTERISTICS WILDERNESS INVENTORY HISTORY



Bureau of Land Management	PROPOSED LWC	Grand Wash Cliffs Wilderness Study Area	Area of Critical Environmental Concern	National Natural Landmark	1980 BLM land >5000 acre blocks	Hualapai Indian Reservation	Private Land
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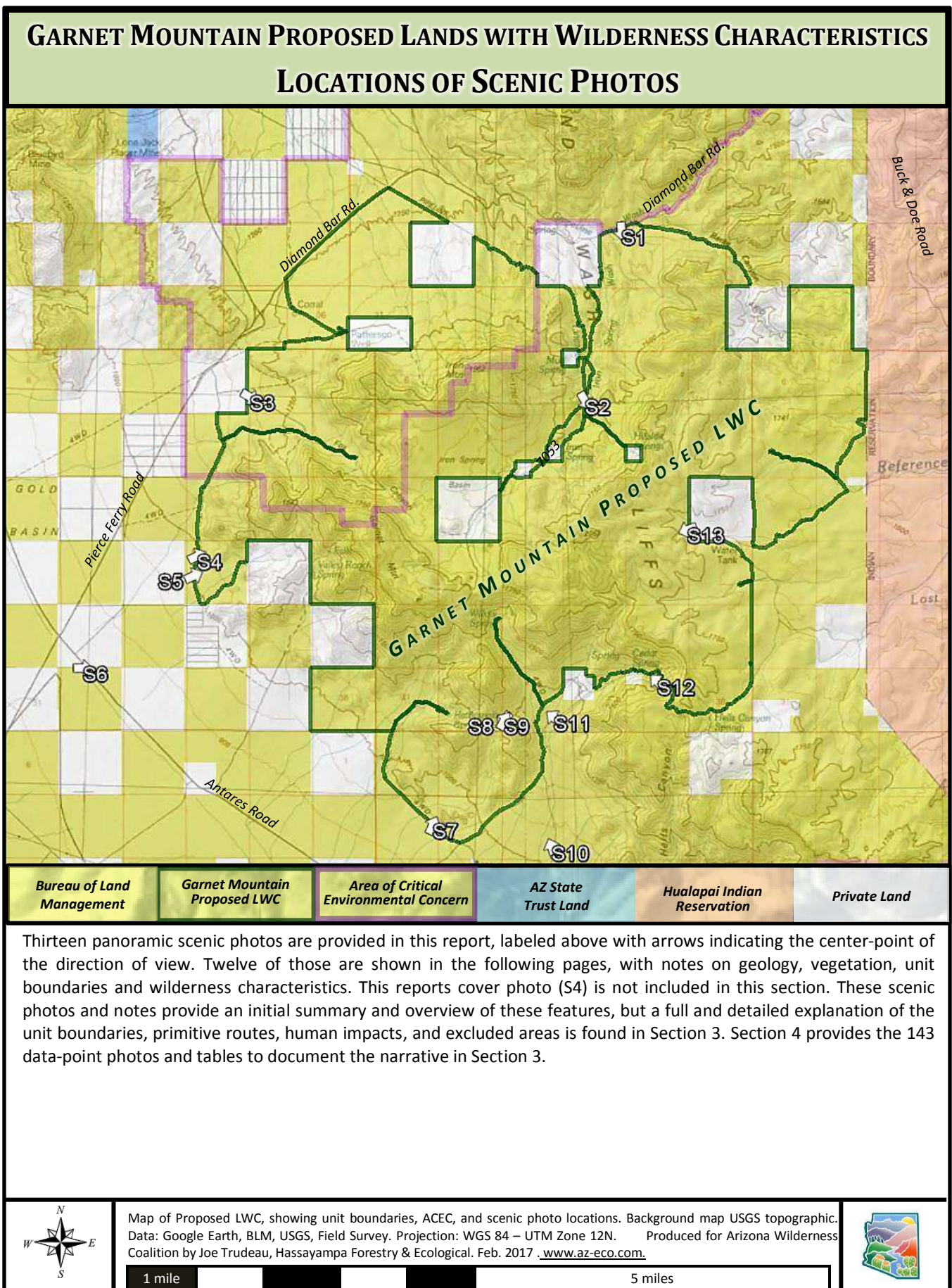
This report contains new and updated information for the BLM to use in determining lands with wilderness characteristics. The proposed unit presented herein has not been previously studied for wilderness characteristics. During the 1978-1980 Wilderness Inventory process, much of the proposed unit was checker-boarded with private lands. Of the BLM's ownership at that time, the only contiguous blocks of public lands that were greater than 5,000 acres are the two blocks shown in brown above. Both of those units would probably have been disqualified from consideration because of the roads which access private lands and water developments. At that time, however, the BLM did identify and then designate the Grand Wash Cliffs Wilderness Study area to the south of the current proposed unit. This WSA was found to have wilderness character, but was later released back into multiple-use management. In this current analysis, we have identified that area as a Potential LWC (see previous map) and recommend an updated, detailed inventory to determine the current status of wilderness characteristics there. This proposal report is the first time the full extent of current BLM ownership in this area has been inventoried for wilderness characteristics, and as such this report and accompanying data should be reviewed by BLM and incorporated into management decisions.

Map of Proposed LWC, showing unit boundaries, WSA boundary, and extent of BLM blocks >5,000 acres in 1980. Background map USGS topographic. Data: Google Earth, BLM, USGS, Field Survey. Projection: WGS 84 – UTM Zone 12N
Produced for Arizona Wilderness Coalition by Joe Trudeau, Hassayampa Forestry & Ecological. Feb. 2017. www.az-eco.com.

1 mile

5 miles

Scenic Photos



Scenic Photos



Scenic Photo S1: This view is from the units' northern boundary along a retired section of Diamond Bar Road, looking south towards the Grand Wash Cliffs. Here, the vegetation transitions from Joshua tree and low scrub to sagebrush and pinyon pine, a truly unique blending of Mohave Desert, Colorado Plateau and Great Basin plant communities. The cherrystemmed route up Iron Springs Basin is to the right of this image.



Scenic Photo S2: This image is taken about half way up the cherrystem in Iron Springs Basin (Routes 7049 and 7053). This closer view of the Grand Wash Cliffs highlights the numerous drainages and swales where visitors can enjoy isolation and solitude. By this point the vegetation has transitioned fully to pinyon-juniper woodland with patches of scrub oak, manzanita, mountain mahogany, buckbrush and sagebrush. For scale, the Kaibab limestone band capping the cliffs is about 200 feet tall, offering outstanding traditional rock climbing opportunities. The 40 acre parcel of private land at Hillside Spring is centered in this image, but it is undeveloped and does not affect naturalness, solitude or recreational opportunities.



N 35° 50' 24.51"
W 114° 04' 41.14"
Elevation: 3900 ft
Photo Direction: 120° ESE

10/31/2016 3:52:40 PM
GARNET MOUNTAIN S3

Scenic Photo S3: Taken from along a primitive route in the northwestern corner of the unit, this photo shows the granitic peaks rising to form Fox Canyon, at center, including Iron Mountain, at left. This vegetation type, consisting of Joshua tree, buckhorn cholla, banana yucca, prickly-pear and numerous low shrubs, is typical of the Mohave Desert type that is contained within the Joshua Tree Forest Area of Critical Environmental Concern. The north-facing slopes within Fox Canyon are dominated by scrub oak, chaparral and woodland species.



N 35° 47' 57.70"
W 114° 05' 38.12"
Elevation: 3350 ft
Photo Direction: 65° ENE

1/27/2017 1:36:16 PM
GARNET MOUNTAIN S5

Scenic Photo S5: Taken along a way (Route 7055) which we propose as the western unit boundary, this view shows Garnet Mountain at center, the units' namesake peak, rising more than 3,000 feet above this photo location. Garnet Mountain, at 6,440 feet elevation, is the second highest peak in the unit, with Duncan Peak (6,769'), one of the rounded summits along the Grand Wash Cliffs, being the highest. Some of the lower peaks in the foreground are not in the unit because they are private land, or BLM land that is not contiguous because of the private land. Regardless, this scene is entirely undeveloped, and is abundant with outstanding opportunities for solitude, hiking, climbing and other activities.



Scenic Photo S6: This photo is taken from along Antares Road, near its junction with Pierce Ferry Road. Looking across several miles of checker-boarded BLM and private lands, the proposed LWC rises from the low, barren desert plains of Hualapai Valley to snow-capped woodland summits. The sights and sounds of traffic and commerce along these roads is buffered by the miles of distance between them and the unit. The summit of Garnet Mountain just barely rises above the broad ridge that dominates this view.



Scenic Photo S7: Taken from along the un-numbered wilderness inventory road which leads to Rattlesnake Spring and serves as the southeastern unit boundary, this image shows the numerous peaks and canyons which define this portion of the unit. The vegetation here is transitional between Mohave Desert and Upper Sonoran Uplands, being dominated by creosote bush and low shrubbery. Outstanding desert hiking, scrambling and exploration is found in this jagged range of granitic peaks.



Scenic Photo S8: Taken from a saddle where a primitive route climbs up to an antiquated prospect, this view looks over a pristine, unnamed canyon towards Red Lake in Hualapai Valley. The Cerbat Mountains rise in the distance. Rugged, boulder-strewn slopes and jagged, isolated summits define this southern portion of the unit.



Scenic Photo S9: Taken from the same point as the previous image, this view looks over a pile of quartz rocks left over from the prospecting, and shows more incredible mountain scenery. The white face at center is a 200-300 foot tall granite slab which certainly provides incredible backcountry climbing opportunities, as does the peak at left. Music Mountain Ranch headquarters is barely visible at the bottom of the ridge descending from that face, and the southern boundary road (Route 7027) is visible at right. In this view, the limestone band that forms the Grand Wash Cliffs becomes visible from behind the granitic mountain front.



Scenic Photo S10: Taken from outside of the unit, to the south, this image shows some of the features seen in Scenic Photo S9, but from a distance. The canyon at center is penetrated by the cherrystemmed road that leads to Willow Spring. From that route, however, the cliffs are still 1,000 to 1,500 feet higher. The pointed summit, also seen in the previous image, would be an outstanding peak to stand on and enjoy the silence, isolation and spectacular sights of this scenic area. At more than 200 feet high, the east face of that peak would also be a great backcountry rock climbing adventure.



Scenic Photo S11: Another view of the magnificent southeastern portion of the proposed LWC, this image was taken along Route 7027 near the Music Ranch headquarters.



Scenic Photo S12: Taken from along Route 7027 as it climbs up the Grand Wash Cliffs, this image looks back over the boundary road (also seen lower in photo) and into the south-central portion of the unit, showing the transition from desert to woodland vegetation. There are no impacts to naturalness entering the unit from along this portion of the boundary road. The plateau above the high rim of the cliffs is totally isolated from the few and infrequent sights and sounds along this route.



Scenic Photo S13: This image looks over the vast plateau atop the Grand Wash Cliffs from the end of the road to North Tank. Duncan Peak, just right of center, is the highest point in this unit. What was once predominantly a pinyon-juniper woodland, this area was burnt over some 20-30 years ago and is now dominated by sagebrush and scrub oak. This area is excellent mule deer habitat, and some elk occur here too. Silty-sand soils are extremely soft and become dangerously muddy when wet, and when driven through become deeply rutted, leading to erosion. The sensitivity of this area because of the wildfire disturbance and soil conditions should be reason enough to limit off-road vehicle use and manage the unit for maintenance of wilderness characteristics, and the preservation of outstanding backcountry hunting opportunities.

Section 2: Documentation of Wilderness Characteristics

The proposed LWC meets the minimum size criteria for roadless lands

The Garnet Mountain Proposed LWC encompasses approximately 38,275 acres of contiguous roadless land under BLM ownership, which far exceeds the minimum size criteria of 5,000 acres specified in BLM Manual 6310. All private parcels of land found surrounding the unit are provided with vehicle access and are all excluded from the unit boundaries. These parcels are minimally developed and do not impact the wilderness experience within the units interior. This proposed Garnet Mountain unit contains a vast area of exceedingly wild country deserving of management to sustain the exceptional wilderness characteristics contained within.

The proposed LWC is affected primarily by the forces of nature

Garnet Mountain Proposed LWC is ruled by natural processes and features outstanding wilderness characteristics. The impressive Grand Wash Cliffs, and other striking mountains within the unit, stand as a testament to the fact that this area is dominated by nature and largely untrammled by human disturbance. Steep mountains, deep canyons, chaotic boulder-fields, dense chaparral vegetation, and woodlands ravaged by wildfires are completely wild in their appearance and ecological functioning. These natural wonders dwarf the few human impacts that do exist, which are few and far between. Our proposed unit boundary was developed to exclude significant human impacts, private lands, actively maintained ranching and wildlife management infrastructure and maintained roads. The area within the unit boundary is not deleteriously affected by those surrounding features which are small and localized impacts. The private lands which are interspersed with the unit boundary are either completely undeveloped or lightly developed with small corrals, water tanks, and several cabins. Often, the boundary between the unit and the private lands is not evident on the ground, which makes the unit feel even larger than it is.

Primitive routes do not have a substantial impact on naturalness within the Garnet Mountain Proposed LWC. Relatively few primitive routes (ways) permeate the proposed unit boundaries, especially considering the large size of the LWC. The ways that do enter the proposed LWC are generally low-impact and insignificant. Many are narrow corridors with encroaching vegetation like thick sagebrush, overhanging pinyons or Joshua trees, or dense scrub oak. Some examples of these low-impact ways can be seen in photopoints 32, 35, 41-43, 54-56, 58, 62-64, 78-80, 82, 83, 85, & 86 (some examples include multiple photos of the same way). Numerous other old ways have faded and been reclaimed by nature due to a lack of use (points 24, 25, 39, 44, 45, & 48), while others are just natural sandy washes (points 60, 93 & 129). The few existing primitive routes in the proposed LWC has a minimal effect on naturalness, especially considering that many of them are rather short, leaving much undisturbed land in a very natural condition.

Cherry-stemmed roads exclude other human impacts which are small and localized, which therefore do not affect naturalness within the unit. There are seven cherry-stemmed roads excluded from the proposed unit. Three of these are quite short and lead to wildlife water catchments. While the catchments are also excluded, it is important to note that they are low profile and painted brown to blend in with the

natural surroundings. A short cherrystem leads to a small spring with a small natural looking rock damn. Another cherrystem is under a quarter mile in length and leads to private property. One of the shortest cherrystems leads to an earth-bermed water tank. The longest cherrystemed feature is the water pipeline and road complex in Iron Springs Basin, which is about four miles long and excludes four 40-acre private parcels and one larger piece of private property. Most of the private inholdings are undeveloped, while a few contain livestock water tanks or other ranching infrastructure. Again, the cherrystems and any associated human impacts are excluded from the proposed LWC, and therefore do not have any detrimental effect to naturalness. Importantly, this cherrystem/exclusion complex in Iron Springs Basin has roughly 19,000 acres of nearly pristine land to either side of it, so this should by no means serve as a reason to disqualify the wilderness characteristics found in the unit.

Other human impacts included in the Garnet Mountain Proposed LWC are minor and insignificant with little or no impact to naturalness. Old prospects or mines are relatively insignificant and have not been active in decades. Since so much time has lapsed since these sites were worked, they have begun to revegetate and naturalize, and are not substantially noticeable to the average visitor, especially when viewed from a distance. Point 22 shows one such site – the Garnet Mine – that is quite small and without significant tailings. Points 84, 87, and 88 are images of a set of prospects that also have a fairly small impact zone. This site almost looks natural unless you're right next to it. Point 81 depicts an old miner's trash heap; this minor disturbance would be easy to clean up and is only visible when directly adjacent to it. As point 89 demonstrates, these small prospects really only affect the naturalness of their immediate surroundings. This point was taken a half a mile from point 84 and three-quarters of a mile from points 87 and 88, and although these prospects are within view they cannot be detected from just a short distance away. Inactive prospects or mines within the proposed LWC do not substantially detract from naturalness, and given more time to recover will become almost completely unnoticeable.

Containing over 38,000 acres, the Garnet Mountain Proposed LWC unit is dominated by natural forces. This incredibly scenic country has escaped substantial development and is largely unmarred by human disturbance. The dynamic landscape of the proposed LWC includes dramatic topographic relief which serves to shield the negligible human influences that do exist. Vegetation, ranging from Mohave Desert scrub to Joshua tree forests to pinyon-juniper woodlands, also provides excellent vegetative screening that visually masks human impacts. The rugged, wild beauty, terrain and vegetation of the Grand Wash Cliffs overpower any minor evidence of the excluded human impacts that do exist. Cumulatively, the impacts excluded from the unit, in addition to surrounding roads, do not substantially detract from the naturalness experienced by a wilderness visitor.

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

With approximately 38,275 acres of contiguous roadless land the Garnet Mountain Proposed LWC offers those seeking solitude and primitive recreational experiences many outstanding opportunities. The terrain found within the unit is ideal for getting away from the sights and sounds of others and enjoying the wild wonders of nature. There are fairly few primitive routes within the proposed unit, and there are numerous large core areas of land devoid of any primitive routes or any other human

disturbance. We did not encounter any other humans within the unit during any of our four inventory visits between October 2016 and February 2017.

Visitors can easily find seclusion in the Garnet Mountain Proposed LWC. Numerous drainages, such as Fox Canyon, are surrounded by hills, ridges, cliffs and mountains that block the sights, sounds and influences of other people. These canyons are ideal for experiencing wilderness-quality solitude. Mountain summits within the unit reach well over 6,000 feet in elevation and also provide outstanding opportunities for solitude. Duncan Mountain (6,769 feet), Garnet Mountain (6,440 feet), Iron Mountain (6437 feet), and several other unnamed highpoints along the Grand Wash Cliffs are the tallest peaks within the proposed LWC with many more unnamed summits reaching above 5,000 feet in elevation. Each of these highpoints is isolated and collectively they provide a surprising number of excellent opportunities for solitude and adventure. Furthermore, the Garnet Mountain Proposed LWC features plentiful vegetative screening to help buffer visitors from detecting one another. Pinyon pine and juniper woodlands, Joshua trees, and a diversity of shrubs provide great cover shielding visitors from each other. With such a large land area, there is no doubt that the proposed LWC contains numerous locations perfect for finding privacy away from other humans.

The proposed LWC unit possesses outstanding wilderness characteristics throughout its expansive landscape and visitors will find a great variety of opportunities for primitive and unconfined recreation. Day and multiday options are plentiful, and the scenery is unmatched. Hikers and backpackers can navigate through difficult terrain to reach expansive summit views, or take refuge in shady winding canyons and washes. A potential backpacking route could start in the incredibly scenic canyon at Willow Spring, then climb up a ridge to summit Garnet Mountain, drop down a ridge into Fox Canyon, into the secluded Iron Spring Basin, up to the Iron Mountain summit, down another ridge into Iron Spring Wash, then up to the Grand Wash Cliffs escarpment, traversing the high points until dropping back down to the starting point in the valley below. This route would cover over fifteen miles and would go by enough springs to make a several day excursion possible. It is likely to complete such a route within the proposed LWC without ever seeing another person, and only have to cross one narrow dirt road.

The Garnet Mountain Proposed LWC unit contains multiple exceptional climbing opportunities. Three unnamed peaks, reaching over 5,000 feet elevation in the southernmost part of the unit, include massive granite cliffs ranging from 200-300 feet in height. These huge cliffs are set in a remote back country basin. Climbers will find extremely challenging opportunities for climbing with ropes on rock faces with no designated routes. Granite is a preferred climbing substrate, and there is no doubt that climbers looking for an out-of-the-way primitive climbing experience will be intrigued by these cliffs.

Horseback riders have outstanding options for exploration within the proposed LWC unit. All of the low-elevation terrain is suitable for off-trail travel by horse, along with among the pinyon-juniper woodlands atop the Grand Wash Cliffs. There are various water sources to draw from depending on the time of year. Primitive routes also provide great trail-like conditions for riders. Viewing this proposed unit by horseback will not disappoint; the views of the Grand Wash Cliffs from the lowlands are unmatched!

Hunters in particular will find a variety of outstanding opportunities within the Garnet Mountain Proposed LWC. This unit contains abundant prospects for catching a diversity of game. With elevations ranging from just over 3,000 feet to over 6,700 feet, the full range of aspects, and various degrees of slope present; there is a wide array of habitats for wildlife. Amazingly, even elk inhabit this region. Although the Arizona Game and Fish online habitat mapping tool does not identify this area as containing elk, AZGFD has a draw for elk in this unit and we observed elk scat and tracks at the wildlife water catchment in the northeastern part of the proposed LWC. Other Species of Economic and Recreational Importance present include: Gambel's quail, mountain lion, mule deer, pronghorn and white-winged dove (www.habimap.com). Garnet Mountain Proposed LWC contains absolutely extraordinary primitive hunting opportunities, and the proposed LWC offers a wilderness quality setting for observing or photographing many different wildlife species. Wildlife lovers can choose from a number of ecosystem types to visit. Bird watchers can visit cliffs, woodlands, low deserts, springs and canyons to see a diversity of species in this varied landscape.

Sightseeing for botanical, zoological, or geological features within the proposed LWC unit is quite remarkable. Joshua trees mix with pinyon-juniper woodlands in places making for a unique experience. Elk are known to wander these woodlands; witnessing elk among Joshua trees when pushed to the low country by early winter snow would indeed be quite outstanding! As our scenic photographs illustrate, this landscape is absolutely stunning. Photographers have an amazing backdrop of magnificent natural beauty to capture within the Garnet Mountain Proposed LWC. Geologists and others sightseeing for geological features will also find some exciting surprises. The limestone of the Grand Wash Cliffs, the granitic crags, and basalt formations, such as a volcanic plug amid granite hills, are some of the geologic wonders to explore in this vast unit. This wild landscape is ideal for those seeking solitude and undeveloped forms of dispersed primitive recreation. The Grand Wash Cliffs, deep canyons, high peaks, and other scenic features of the proposed LWC attract those looking for solitude and adventure. There is no denying the presence of outstanding wilderness characteristics present in this magnificent unit.

The proposed LWC has supplemental values that enhance the wilderness experience & deserve protection

The proposed LWC would protect portions of an Area of Critical Environmental Concern (ACEC)

ACEC's are special designation lands that have been identified to help protect special status plants, wildlife, cultural sites, spectacular scenery, and riparian areas. The Joshua Tree Forest-Grand Wash Cliffs ACEC (shown on maps in purple) protects 39,060 acres of unique Joshua tree woodland vegetation, outstanding scenic values, rare cultural resources (including large prehistoric roasting pits from several eras of human occupation), and it protects important peregrine falcon aeries and open hunting habitat (BLM, 1993). Approximately 8,700 acres of this ACEC overlap with the proposed LWC. The administrative protections offered through maintenance of wilderness characteristics would enhance these important natural and cultural resources.

The proposed LWC includes the Grapevine Mesa Joshua Tree Forest National Natural Landmark

This Landmark, which contains the densest stand of mature Joshua Trees in Arizona, covers 3,200 acres of BLM lands, including about 825 acres in the northwest portion of the proposed LWC. The landmark was designated by the Secretary of the Interior in 1967 after a determination that the area possessed national significance as defined in 36 CFR 62.5, National Landmark Criteria (BLM, 1993: p. 97). The residents of Meadview have organized an advocacy organization, Friends of the Joshua Tree Forest, to advance protective and restorative measures to maintain and enhance the Joshua Tree forest both within the Landmark and throughout the ACEC in general. The group has identified ATV's, mining and subdivisions as the primary threats to the Joshua tree forest, and they have participated in trash clean-ups, revegetation projects, managing invasive species, and maintaining trails. Despite this recognition, the Landmark designation carries no real protections against possible adverse uses of the area. Because of this, it is important that the 825 acres within the proposed LWC are managed to preserve wilderness characteristics.

“Numerous threats challenge this special forest. Development of the Grand Canyon Skywalk, a dude ranch, several helicopter tour companies, and the construction of a straight, modern highway to replace Diamond Bar Road are drawing increasing numbers of visitors to this captivating area. Now is the time for good decisions to be made to ensure the area’s future appeal. The almost unbroken sea of Joshua Trees, now visible from Diamond Bar Road as the visitor approaches the Grand Canyon, is an important scenic component of an introduction to this area, and should be preserved” (<http://joshuatreeforest.org/>, 8/2015).



Photopoint 125, documenting a non-existent primitive route (per BLM route inventory data) within the Grapevine Mesa Joshua Tree National Natural Landmark (NNL).

The proposed LWC is within a priority conservation area identified by The Nature Conservancy

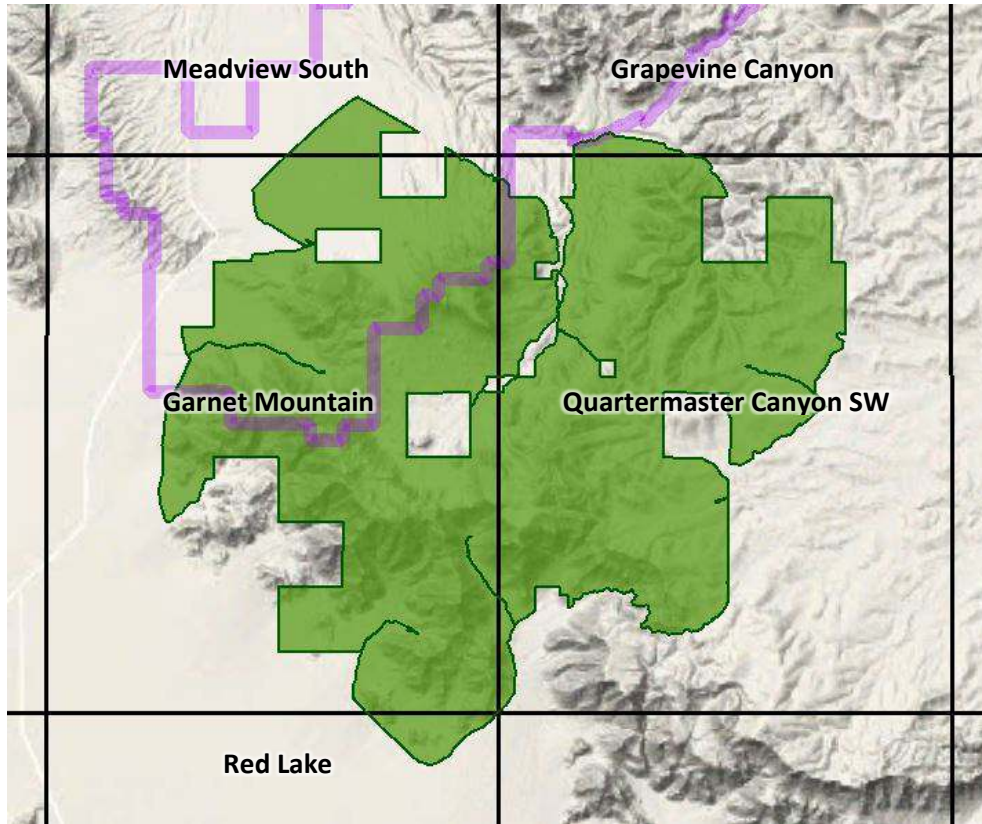
The Nature Conservancy (TNC) is an international conservation organization dedicated to preserving life in all of the earth's ecosystems. The organization takes a scientific approach to prioritizing conservation work to achieve the most effective species and habitat protection outcomes. Their approach involves identifying conservation focus areas in each ecoregion, based on collaborative, multi-disciplinary based determinations of at-risk species and habitats, threats to ecosystem health, and effective solutions to maintain biodiversity and ecosystem resiliency. The proposed LWC straddles the boundary of two major Ecoregions, with the Grand Wash Cliffs being the landform that defines the regional boundaries. The Colorado Plateau Ecoregion is to the east, encompassing 48.5 million acres, and the Mohave Desert to the west, encompassing 32 million acres. TNC completed ecoregional assessments of both regions using advanced GIS and statistical computing tools to identify a network of conservation areas where the most imperiled, keystone, or endemic ecosystems, species, and habitats, as well as representative components of the regions native biodiversity could be protected with the least effort. The Garnet Mountain Proposed LWC is included in three separate priority conservation areas (Tuhy et al., 2002; The Nature Conservancy, 2001).

In the Conservation Assessment of the Colorado Plateau Ecoregion, TNC identified 107 conservation areas totaling 17.6 million acres that can meet conservation goals through proactive biodiversity conservation management practices. One of these areas, "Colorado Plateau Ecoregion Site #42 – Hualapai West", encompasses 122,300 acres along the Grand Wash Cliffs. Approximately 27,725 acres of the proposed LWC are located within the conservation area. This area was identified because of its potential for effective conservation of scrub, woodland, and chaparral terrestrial ecological systems; intermittent and perennial headwaters; and peregrine falcon (*Falco peregrinus*) habitat. Key threats to these values in this area are fire regime alteration and vehicles, roads, and recreation (Tuhy et al., 2002).

The lower western and southwestern foothills and plains which encircle the proposed LWC were identified in a separate analysis of the Mojave Desert Ecoregion as being priority areas for conservation as well. Two distinct units, the "Joshua Tree Forest NNL" and the "Hualapai Valley" Conservation Areas, overlap with these lower portions of the proposed LWC. These areas are important for the conservation of many terrestrial ecosystems, including features found within the proposed LWC, such as blackbrush-scrub, creosote bush, desert grassland, Joshua Tree woodland, and other scrub/chaparral types; as well wildlife such as banded Gila monster (*Heloderma suspectum cinctum*), golden eagle (*Aquila chrysaetos*), ferruginous hawk (*Buteo regalis*), pale Townsend's big eared bat (*Plecotus townsendii pallescens*) and generally quality bat habitat (The Nature Conservancy, 2001). Because of different mapping approaches in each of these two analyses, there is actually overlap between the results, suggesting that the transitional zone between ecoregions that occurs at the mountain front along the Grand Wash Cliffs has significant importance for biodiversity conservation in both the Colorado Plateau and the Mojave Desert Ecoregions. See *Appendix 1* for tables from the Mojave Desert Ecoregional Conservation Plan which lists the species and ecosystems which were identified as priorities for conservation in these areas.

The proposed LWC is home to species of concern listed by Arizona Game and Fish Department

The Heritage Data Management System, administered by Arizona Game and Fish Department, lists special-status species by USGS quadrangle. The proposed LWC covers portions of five quadrangles, shown below. The species known to occur in those quadrangles are provided in the table below (data found on www.habimap.org). The species listed for Garnet Mountain and Quartermaster Canyon SW have a very high likelihood of occurring within the proposed LWC because of how much of the unit is covered by that quadrangle. The species listed for the remaining three quadrangles have a lower likelihood of occurring because of the limited coverage by the proposed unit.



Arizona Heritage Data Management System records for relevant USGS Quadrangles

Quad Name	Scientific Name	Common Name	USESA	USFS	BLM	STATE	GRANK	SRANK	SGCN
GARNET MOUNTAIN	<i>Astragalus mokiacensis</i>	Mokiah Milkvetch					G3G4Q	S2	
GRAPEVINE CANYON	<i>Aquila chrysaetos</i>	Golden Eagle			S		G5	S4	1B
GRAPEVINE CANYON	<i>Astragalus titanophilus</i>	Limestone Milkvetch					G3	S3	
GRAPEVINE CANYON	<i>Echinocactus polycephalus var. xeranthemoides</i>	Grand Canyon Cottontop Cactus				SR	G3G4T2T3	S2S3	
GRAPEVINE CANYON	<i>Eriogonum jonesii</i>	Jones' Buckwheat					G2	S2	
GRAPEVINE CANYON	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	SC	S	S		G4T4	S4	1A
MEADVIEW SOUTH	<i>Echinocactus polycephalus var. xeranthemoides</i>	Grand Canyon Cottontop Cactus				SR	G3G4T2T3	S2S3	
MEADVIEW SOUTH	<i>Echinomastus johnsonii</i>	Johnson's Fishhook Cactus				SR	G3G4Q	S2	
MEADVIEW SOUTH	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	SC	S	S		G4T4	S4	1A
QUARTEMASTER CANYON SW	<i>Aquila chrysaetos</i>	Golden Eagle			S		G5	S4	1B
QUARTEMASTER CANYON SW	<i>Microtus mexicanus hualpaiensis</i>	Hualapai Mexican Vole	PDL				G5T1Q	S1	1A
QUARTEMASTER CANYON SW	<i>Plestiodon gilberti rubricaudatus</i>	Western Red-tailed Skink					G5T4Q	S3S4	1C
RED LAKE	<i>Buteo regalis</i>	Ferruginous Hawk	SC		S		G4	S2B,S4N	1B
RED LAKE	<i>Buteo swainsoni</i>	Swainson's Hawk					G5	S3	1C
RED LAKE	<i>Phacelia parishii</i>	Parish's Phacelia			S		G2G3	S1	

Definitions of ranking codes found at: http://www.azgfd.gov/w_c/edits/documents/StatusDefinitions.pdf

Conclusion: The Proposed LWC should be managed for protection of Wilderness Characteristics

In this report we have met the criteria specified in BLM Manual 6310 for the documentation of wilderness characteristics by a citizens' inventory. We have shown that the unit, at 38,275 acres, meets the size requirements, and through careful inventory and mapping we have excluded significant human impacts, private lands, and maintained roads so that the unit proposed here is in a substantially natural condition. Outstanding opportunities for finding solitude and having primitive recreational experiences are found throughout the wide-ranging vegetation and topography in the proposed LWC. Also, we have shown that the unit contains supplemental values with significant conservation, ecological and scenic importance, including overlap with an Area of Critical Environmental Concern, a National Natural Landmark, and Ecoregional Conservation Priority Areas. Wilderness characteristics, primitive routes, and scenic and ecological features are extensively photo-documented and properly georeferenced on detailed maps and in other data formats available through Arizona Wilderness Coalition. Because of our effective exclusion of functional ranching, recreational, and game water developments, the unit proposed here is manageable for protection of wilderness characteristics without impairing the current uses of the land. Arizona Wilderness Coalition hereby urges the BLM to study this proposal and determine that these lands do contain wilderness characteristics and that the most appropriate management is for the maintenance and preservation of those characteristics.

Literature Cited

- BLM. 1980. Wilderness Review: Intensive Inventory of Public Lands Administered by Bureau of Land Management. Decision Report. Bureau of Land Management, Arizona State Office, Phoenix, AZ.
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- The Nature Conservancy. 2001. Ecoregion-Based Conservation in the Mojave Desert. Mojave Desert Ecoregional Planning Team, The Nature Conservancy of Nevada, Las Vegas, NV. 367 p. Available online at <http://azconservation.org/projects/ecoregions>.
- Tuhy, J.S., P. Comer, D. Dorfman, M. Lammert, J. Humke, B. Cholvin, G. Bell, B. Neely, S. Silbert, L. Whitman, and B. Baker. 2002. A conservation assessment of the Colorado Plateau Ecoregion. The Nature Conservancy, Moab Project Office, Moab, UT. 110 p. + appendices. Available online at <http://azconservation.org/projects/ecoregions>.

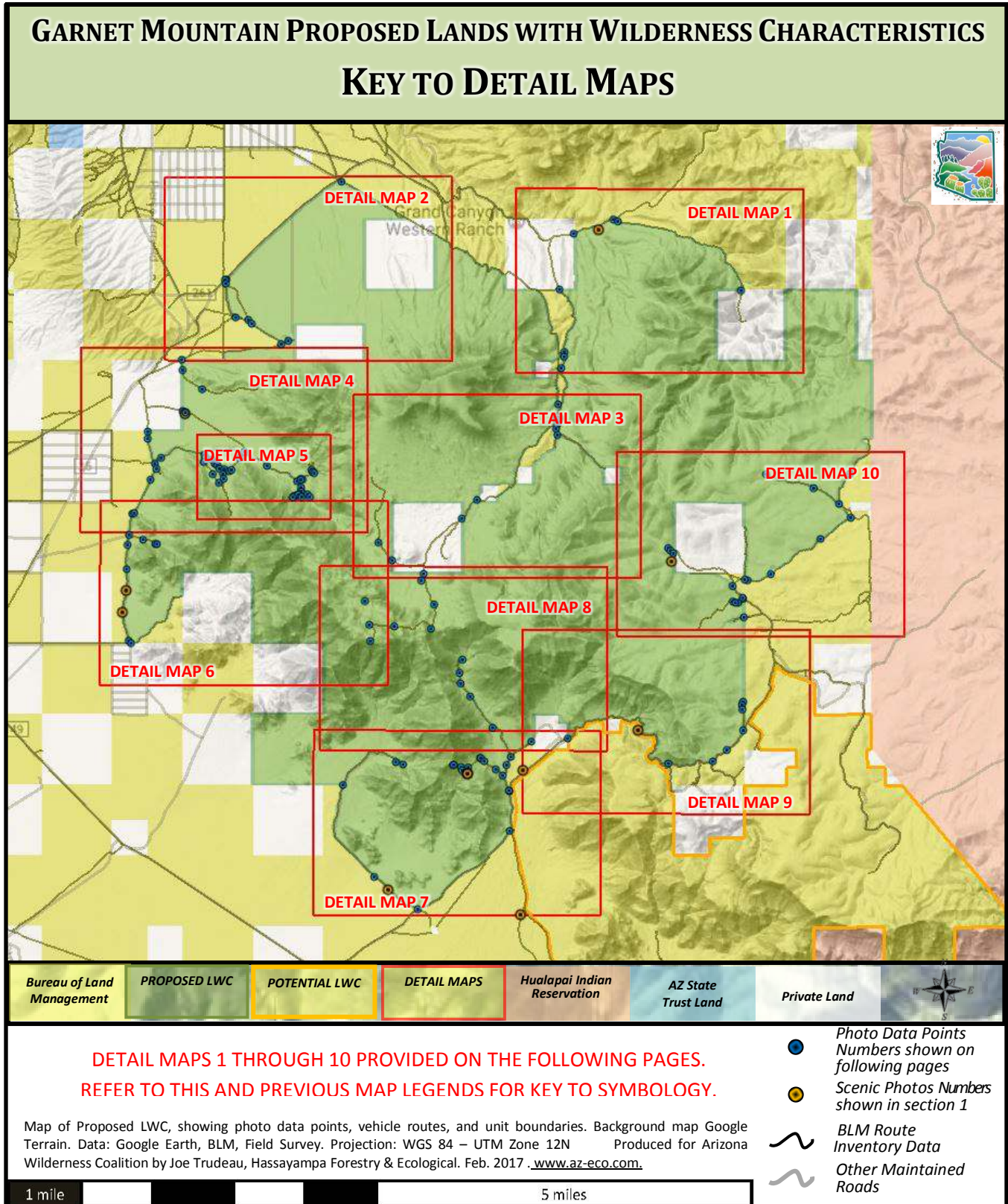
Appendix 1: Tables from the Mohave Desert Ecoregional Conservation Plan (The Nature Conservancy, 2001)

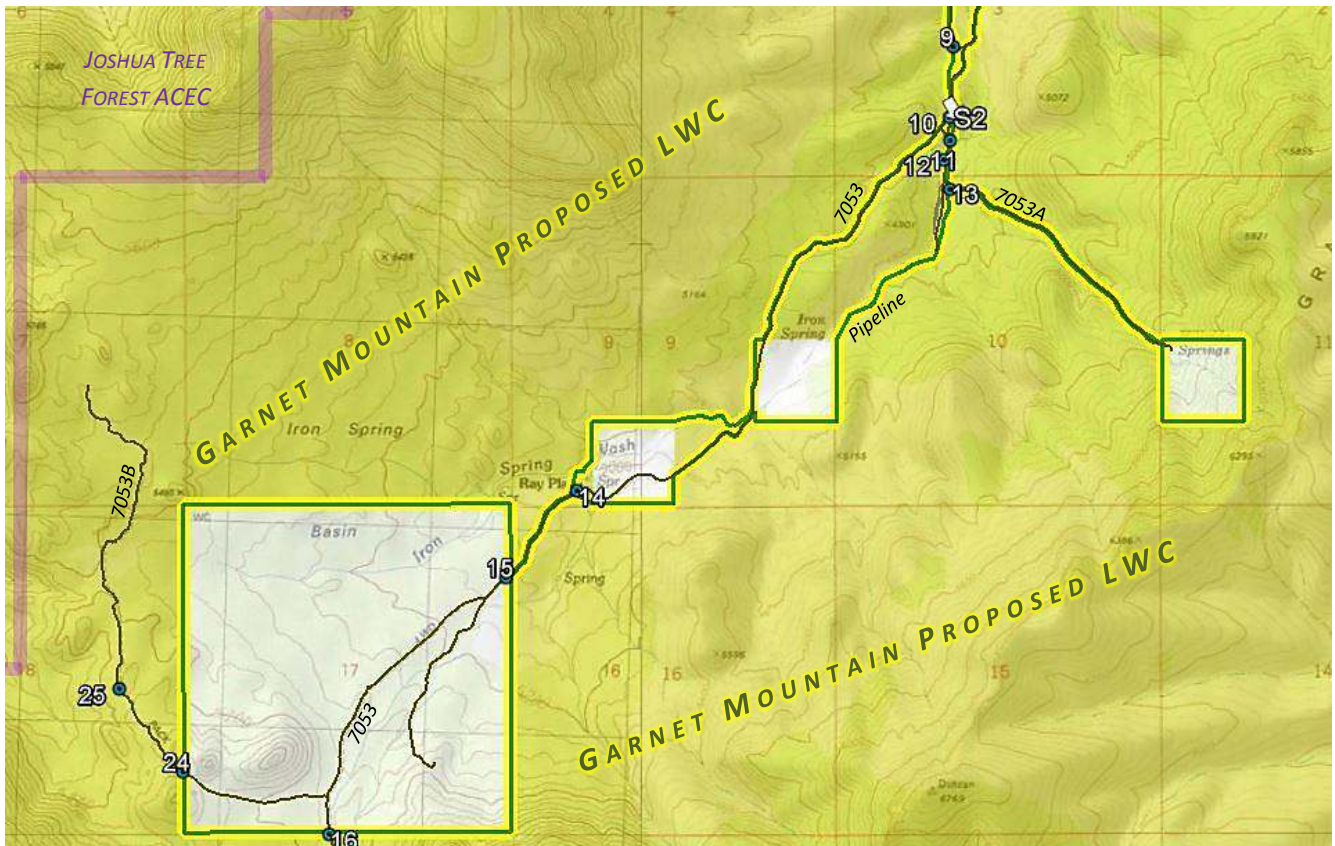
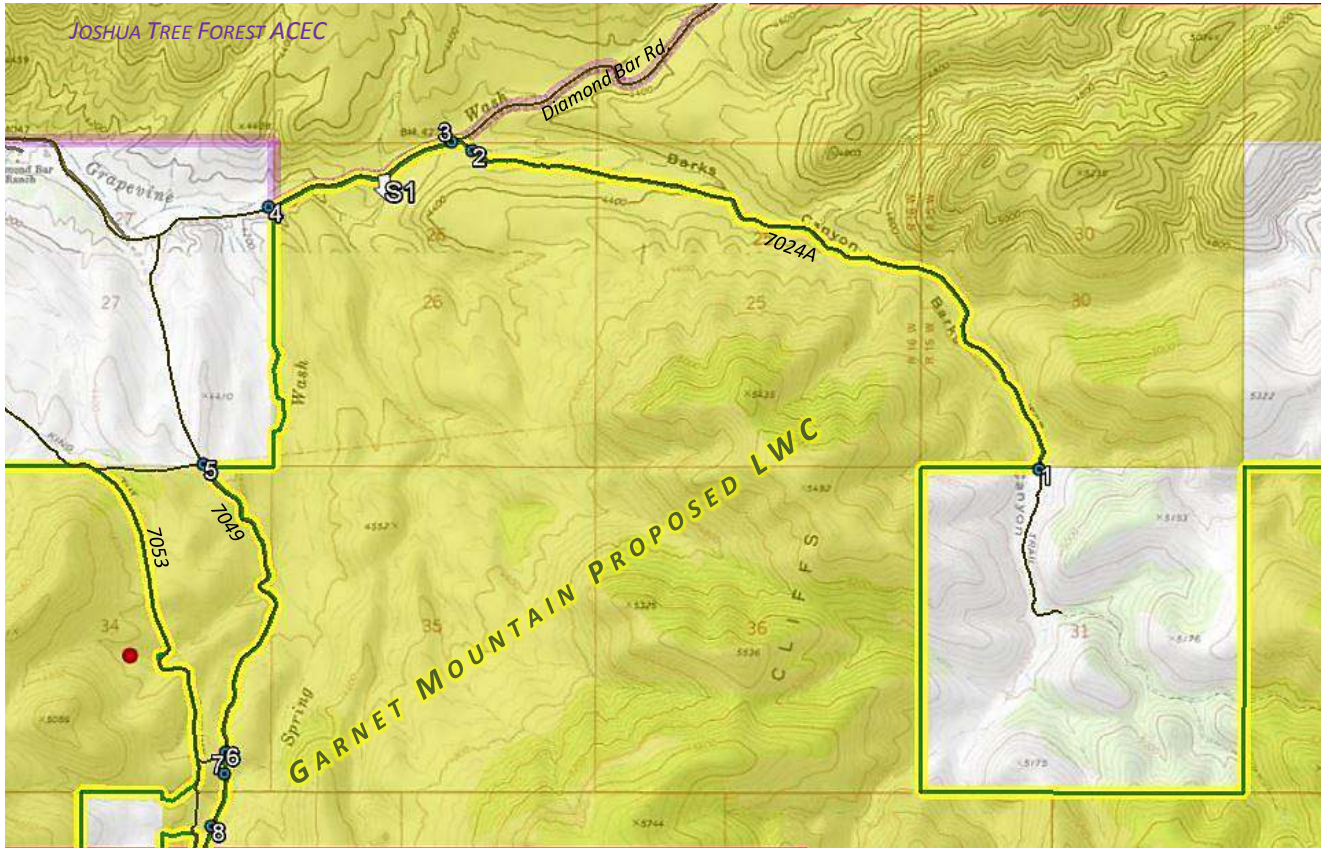
JOSHUA TREE NNL				SYSTEMS
SIZE (Acres):	217,647	% PRIVATE:	20	DS
		% CLASS I AND II:	50.6	
SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK		
BLACKBRUSH SCRUB - MIXED SCRUB				
CREOSOTE BUSH - MIXED SCRUB				
DESERT GRASSLAND AND SHRUB-STEPPE				
JOSHUA TREE WOODLAND				
MIXED COTTONWOOD-WILLOW RIPARIAN WOODLAND				
SALTBUSH SCRUB				
SEMI-DESERT CHAPARRAL				
SONORA-MOJAVE MIXED DESERT SCRUB				
ARCTOMECON CALIFORNICA	LAS VEGAS BEARPOPPY			G3
BAT HABITAT				
EMPIDONAX TRAILLI EXTIMUS	SOUTHWESTERN WILLOW FLYCATCHER			G5T2
ENCELIOPSIS ARGOPHYLLA	SILVERLEAF SUNRAY			G3
HELODERMA SUSPECTUM CINCTUM	BANDED GILA MONSTER			G4T3
MORTONIA SCABRELLA VAR UTAHENSIS	UTAH SANDPAPER BUSH			G4G5Q
PLECOTUS TOWNSENDII PALLESCENS	PALE TOWNSEND'S BIG EARED BAT			G4T4
XYRAUCHEN TEXANUS	RAZORBACK SUCKER			G1

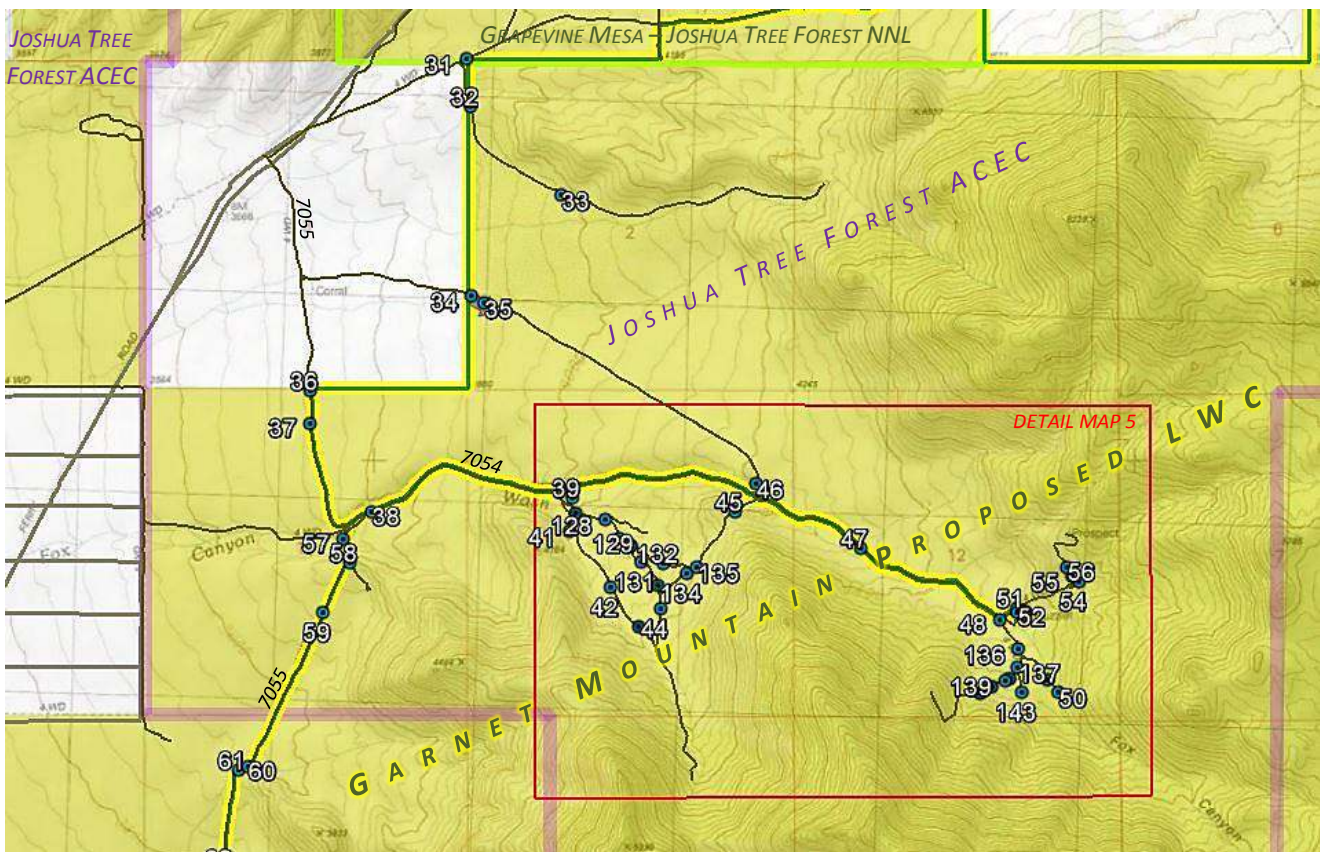
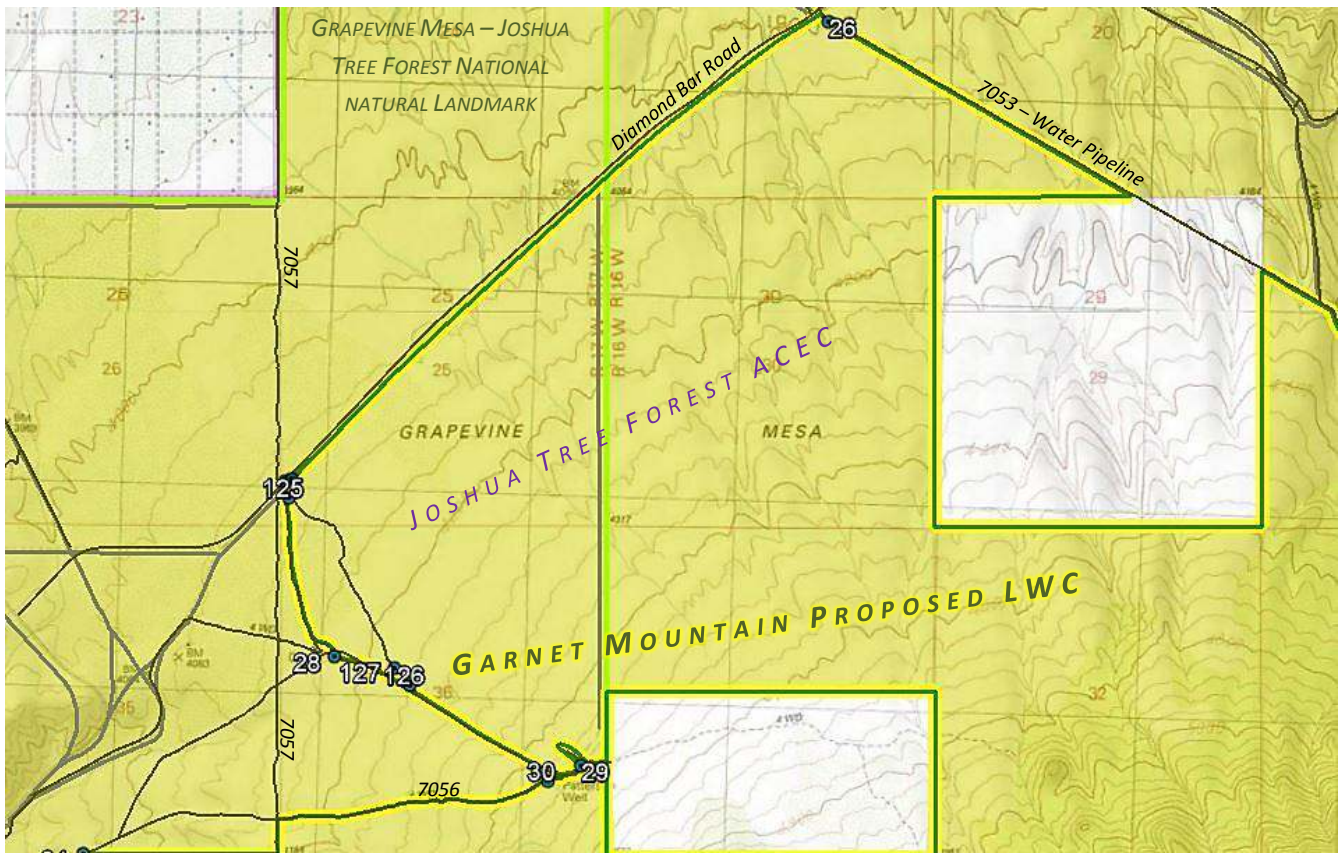
HUALAPAI VALLEY				SYSTEMS
SIZE (Acres):	154,961	% PRIVATE:	40	DS
		% CLASS I AND II:	0	
SCIENTIFIC NAME	COMMON NAME	GLOBAL RANK		
BIG SAGEBRUSH - SPINY HOPSAGE SCRUB				
BLACKBRUSH SCRUB - MIXED SCRUB				
CREOSOTE BUSH - MIXED SCRUB				
DESERT GRASSLAND AND SHRUB-STEPPE				
FOURWING SALTBUSH - WINTERFAT SCRUB				
INTERIOR RIPARIAN FOREST AND WOODLAND				
JOSHUA TREE WOODLAND				
MIXED COTTONWOOD-WILLOW RIPARIAN WOODLAND				
PNYON - JUNIPER WOODLAND				
PLAYA				
SALTBUSH SCRUB				
SEMI-DESERT CHAPARRAL				
SEMI-DESERT CHAPARRAL - MIXED OAK CHAPARRAL				
SHADSCALE SCRUB				
SONORA-MOJAVE MIXED DESERT SCRUB				
AQUILA CHRYSAETOS	GOLDEN EAGLE			G5
BUTEO REGALIS	FERRUGINOUS HAWK			
PHACELIA PARISHII	PARISH PHACELIA			G3G3
RAPTOR HABITAT				

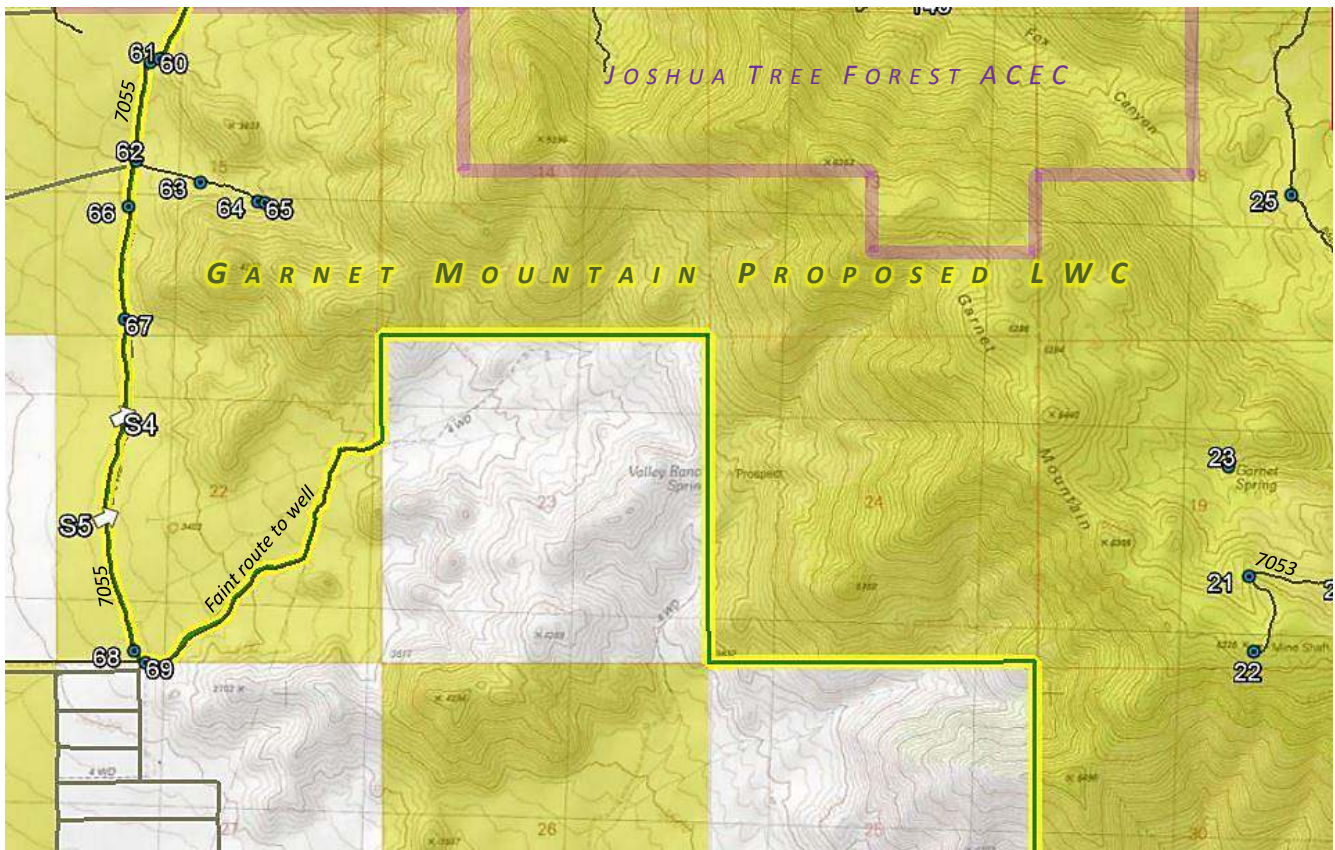
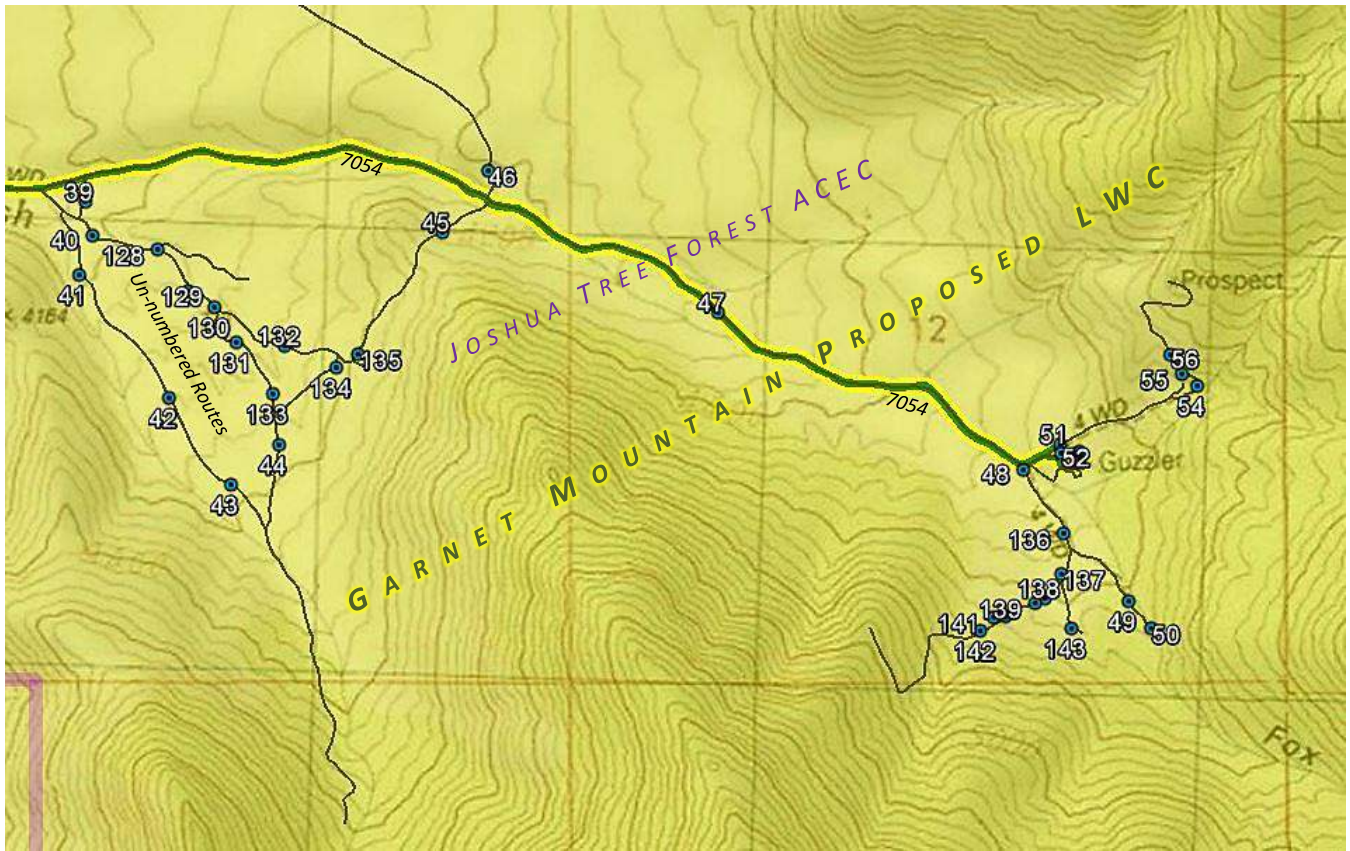
Section 3: Detailed Maps and Description of the Unit Boundary, Roads, Ways and Human Impacts

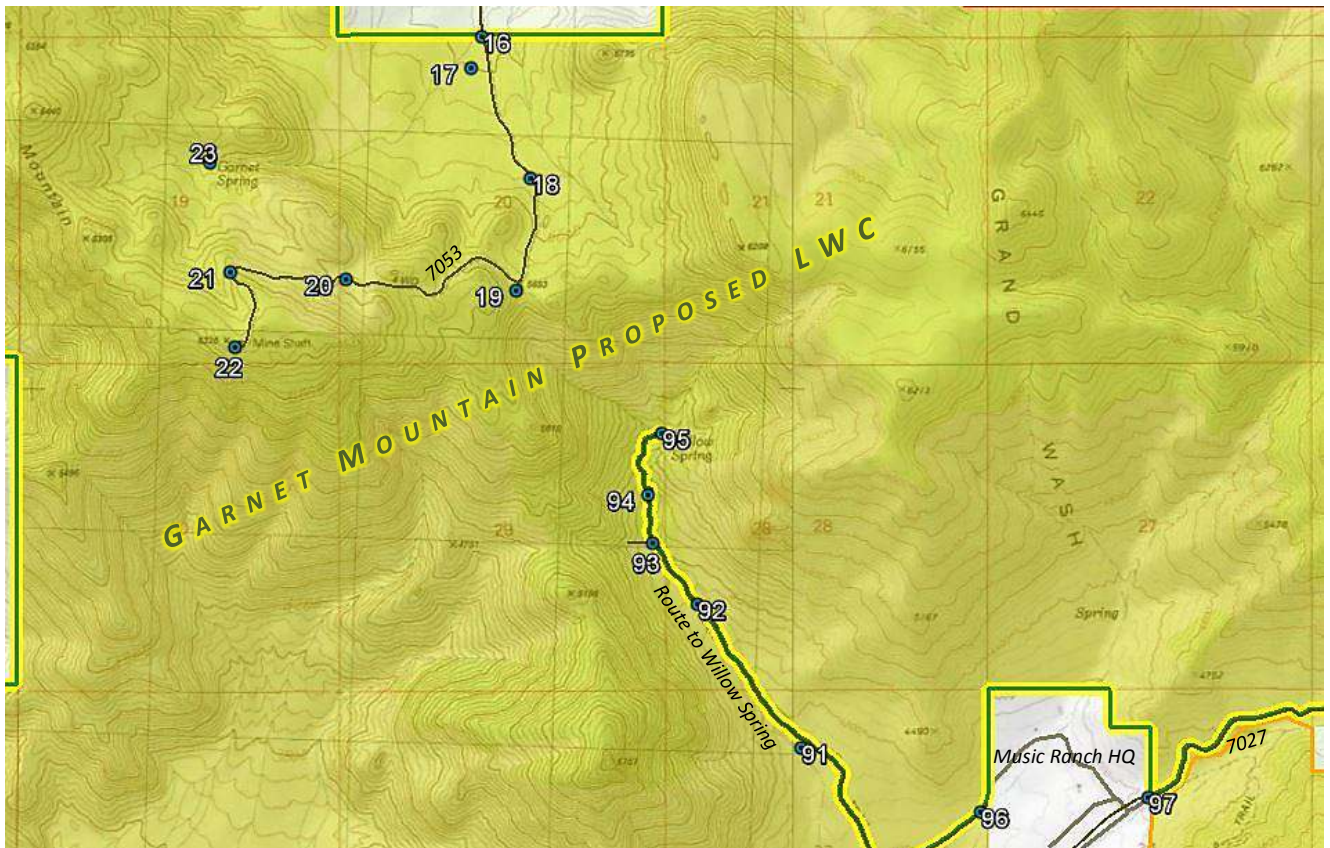
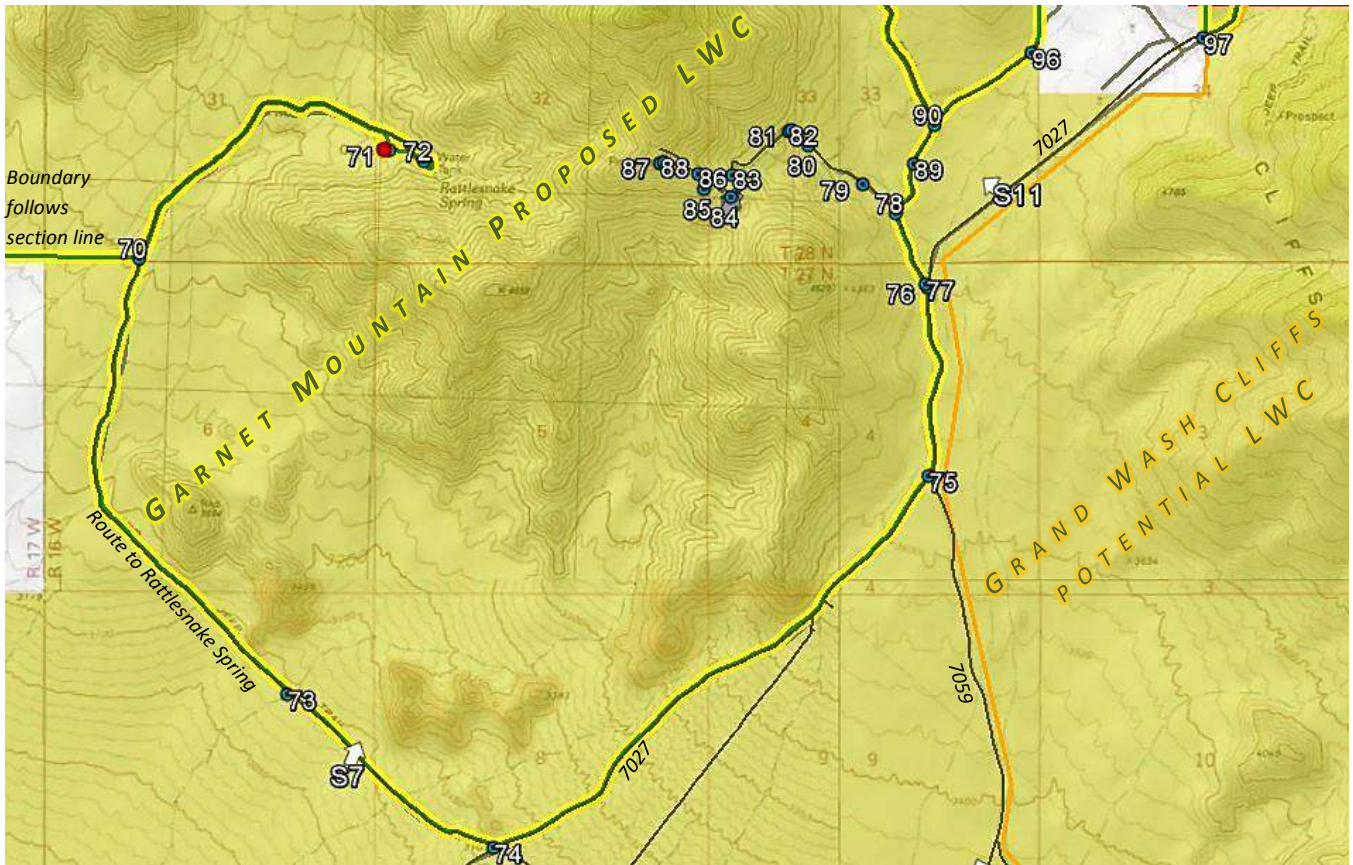
Overview Map showing extent of Detail Maps

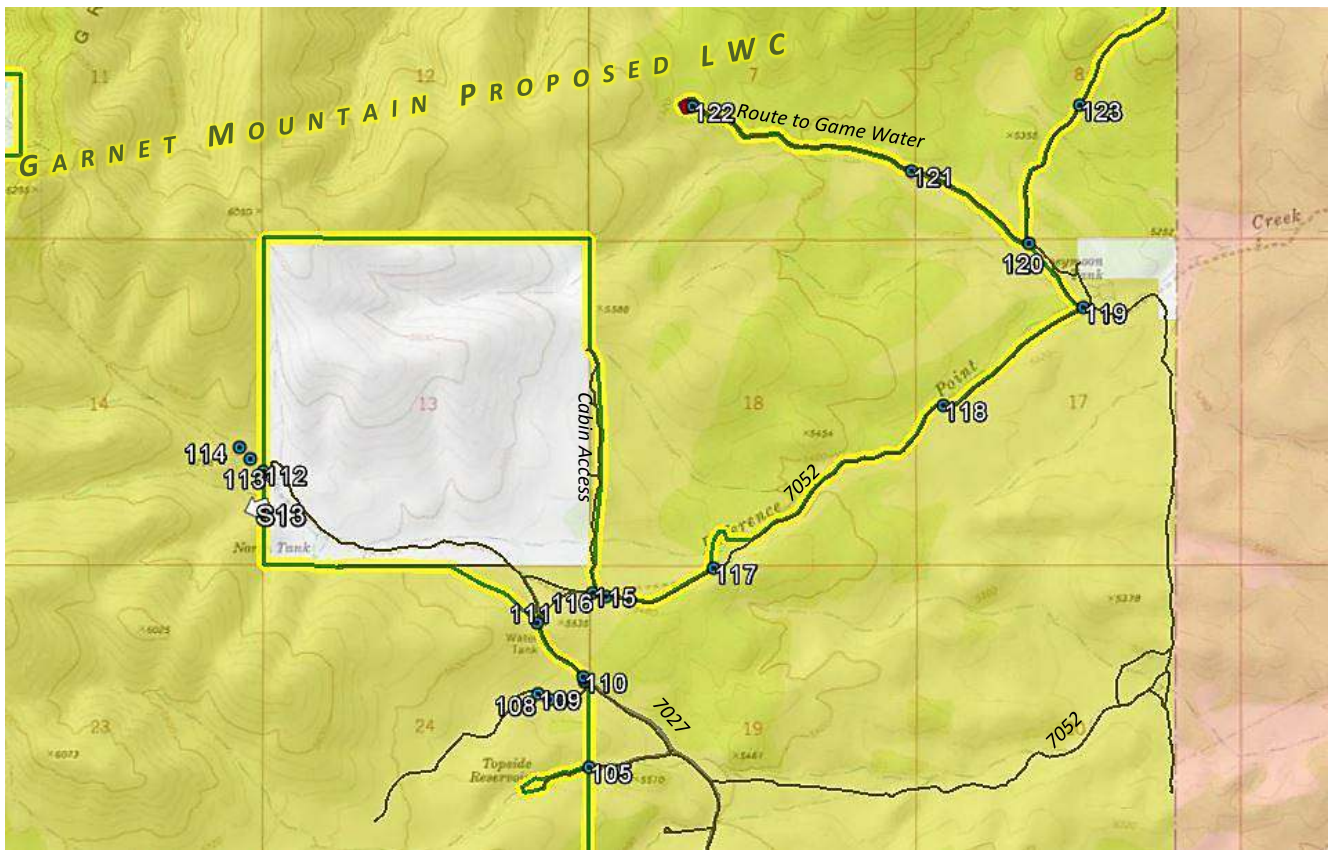
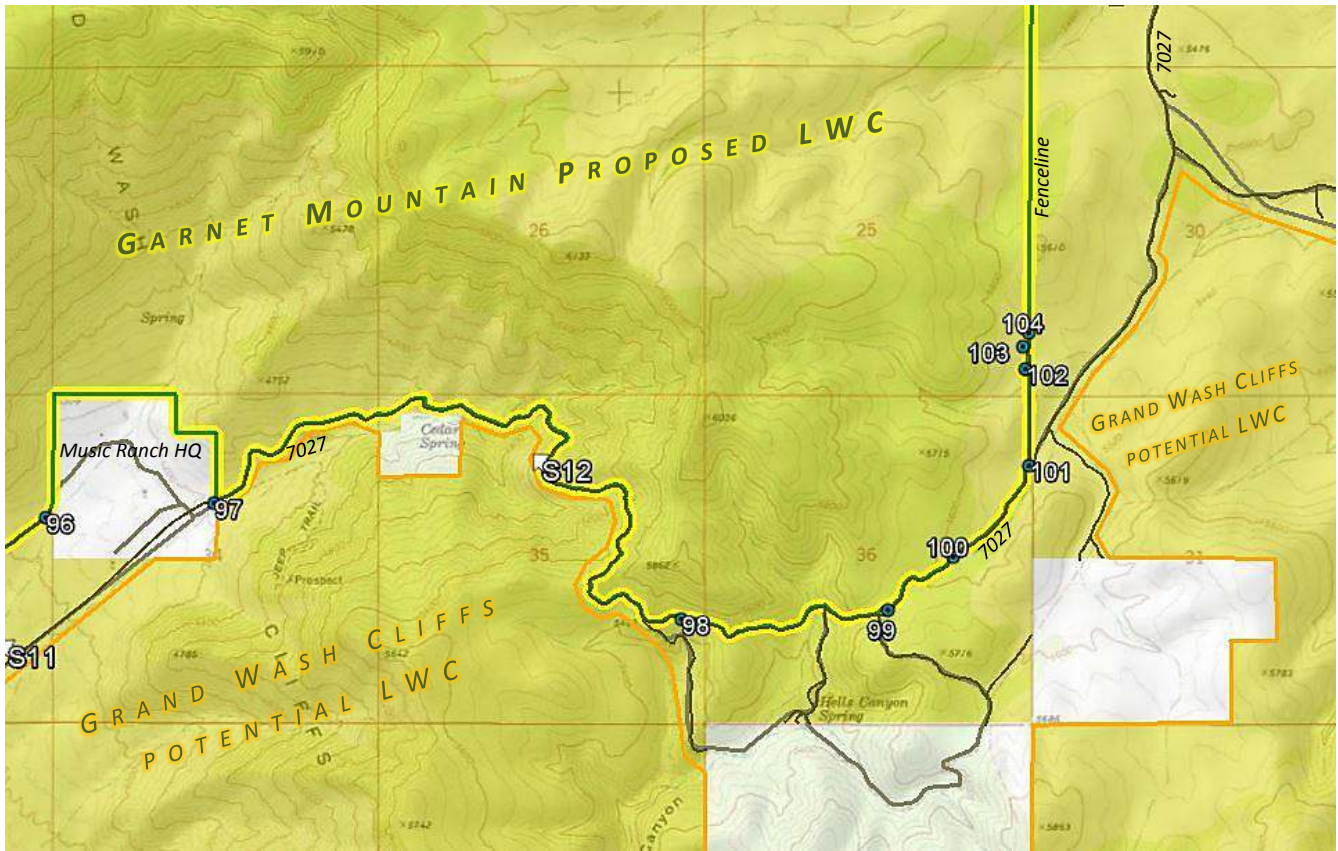












Narrative Description of the Proposed LWC Boundary and Vehicle Routes

The boundary description begins at point 1 in the northeastern part of the unit and proceeds counterclockwise around the unit. The description is broken into 4 segments: North, south, east and western boundaries. Some numbers are out of order in the sequence from point 1 to point 143 because the data collection occurred over 4 separate trips, between October 2016 and February 2017.

North Boundary: Property line, Route 7024A, Diamond Bar Road, and Routes 7053 & 7049 into Iron Springs Basin

General Description:

The proposed northern unit boundary consists of the BLM property line with private land, as well as several wilderness inventory roads. BLM Route 7024A (seen in points 1 & 2 and recently graded in areas) serves as a portion of the northern boundary, and leads to a dirt tank on private land in Barks Canyon. The old/retired Diamond Bar Road (points 3 & 4) comprises another boundary segment in a wash. Point 26 documents where BLM Route 7053 leaves Diamond Bar Road. This is another wilderness inventory road and is also a buried water pipeline, which may not be functioning. An improved section of Diamond Bar Road (between points 26 and 27) also makes up a portion of the proposed northern unit boundary.

Cherrystems:

-Points 5-15 document elements of a complicated cherrystem used to access various parcels of private land in Iron Springs Basin, including the "Ray Place", some corrals (at points 8 and 14) and some spring developments. All of this private land is provided access by this proposal, by way of routes 7053 and 7049. Portions of 7053 (which is also the buried waterline) are basically reclaimed by nature, but the route is used to exclude human impacts and allow for access to private land. Some portions of the boundary along this cherrystem/exclusion follow washes or natural features to provide for access and/or exclude impacts. Point 13 shows a way that is lightly used by ATV's but it accesses Hillside Spring on private land so it too is cherrystemmed.

Ways:

-Points 16-21 display images of BLM Route 7053, which starting at point 16 is an unmaintained way that eventually leads to the long-inactive "Garnet Mine" at point 22. These photos show areas of deep erosion and obvious lack on maintenance.

-Points 24 and 25 were taken of an old way (7053B) that leaves private land and just fades away. This route has no apparent purpose, no longer receives use, has revegetated, and largely has been reclaimed by nature.

Associated Human Impacts:

-Points 9 and 11 show the old 4" iron pipeline which in these locations is broken and not functioning. We are not sure if a newer, functioning waterline has since been buried along this corridor. See point 10 for some recent earthwork and point 12 for an unmaintained portion of this corridor.

-Point 17 shows an area where the brush has recently been thinned. As point 17 illustrates, this area is quickly re-growing and will not be noticeable as unnatural to the average visitor in short time, and therefore very minimally affects naturalness. There is another small thinned area along the cherrystem to the northeast of point 17.

-Point 22 documents the Garnet Mine which is an old inactive mine that is relatively small in size and has a very minimal, localized effect to naturalness.

-Point 23 shows a small defunct livestock watering trough with no access route that is not noticeable unless you are right near it.

Western Boundary: Diamond Bar Road, Property line, and Wilderness Inventory Roads

General Description:

Heading south from Diamond Bar Road, point 28 documents an unnamed wilderness inventory road that serves as the northern-most part of the proposed western unit boundary, and is used to access private land with residences. Point 30 shows BLM Route 7056, a short boundary segment that may be used to access a phone line seen in point 31, which serves as the proposed boundary for just over a half mile. Heading south, the unit boundary follows the BLM property line with private land to point 36. At point 36, BLM Route 7055 (an unmaintained way also seen in points 37, 57, 59, 61, & 66-68) serves as the unit boundary because it is a barrier to naturalness and it is a continuous route that connects parcels of private land, even though this route is clearly a way and has not been maintained. While we are proposing the use of this route as the boundary, we urge the BLM to consider the obviously primitive nature of the route in future Travel Management Planning.

CherrySTEMS:

-Point 29 shows a short cherrystem that leads to a livestock watering tank.

-Points 38 and 47 documents a cherrystem that leads to a wildlife water catchment seen in points 52 & 53. This route was recently graded when maintenance work was done on the catchment.

Ways:

-Points 124-127 document a supposed route that is shown in the BLM's route inventory data that does not exist on the ground. Most of this non-existent route is just a natural wash. Interestingly, the BLM data records that this "route" gets "Heavy" 4WD, ATV and dirtbike use. Our data clearly shows that it has not been used for decades, if ever. This is an example of the importance of field inventory versus desktop inventory for the purposes of defining boundaries to naturalness.

-Points 32 & 33 show images of an unnamed and unmaintained way with no apparent purpose that is kept open solely by the occasional passage of vehicles. We did not go to the end of the dead-end route because of the 3 foot deep ditch seen in point 33. The BLM Route data records that this route gets "Heavy" 2WD, ATV and dirtbike use, which is obviously grossly inaccurate based on our data.

-Points 34, 35 & 46 were taken of another unmaintained primitive route with no apparent purpose.

The BLM Route Inventory data records a dense collection of "routes" that leave the south side of the cherrystemmed Route 7054. ALL of these routes are clearly "ways", and most of these recorded linear features are nearly completely revegetated and never see any ATV use at all. We presume that all of these routes were built or just "driven-in" 50-75 years ago during some mineral prospecting. The flowing points are in this high-density clump of data, shown in close detail on Detail Map 5:

-Points 128 & 129 are natural washes that receive no vehicular use.

-Points 39, 44, 45, 131 & 133-135 all display images of old primitive routes that no longer receive vehicular use, are revegetating, and naturally being reclaimed by nature.

-Points 40, 130 & 132 were taken of a natural wash that had one set of UTV tracks at the time of our inventory that traveled just a short distance up the wash.

-Points 41-43 show another unnamed unmaintained way with no apparent purpose that is growing in with vegetation. This route sees the most use but is still an eroding, purposeless primitive route.

The next grouping of points is at the end of BLM Route 7054, showing more abandoned mining routes that are clearly ways and serve no current purpose:

-Points 48-50 & 136 document the end of BLM Route 7054 which is an unmaintained way past the water catchment. The end of this primitive route becomes impassable for vehicles, as seen in point 49.

-Points 137-142 are images of an abandoned mining route that rarely receives vehicular use and becomes impassable at point 139. After point 139, this way is naturally reclaiming, a fact that the BLM has previously acknowledged in its own route inventory data. A short primitive route stems from this way and travels up a natural wash; vehicular use of this short fork ends at point 143.

-Points 51 & 54-56 show an unnamed way with significant erosion and revegetation that is not being maintained and leads to a small old prospect.

Further south on the Boundary along Route 7055:

-Point 60 documents a natural wash that vehicles have been driving up for a short distance.

-Points 62-65 were taken of an unmaintained primitive route that is kept open solely by the passage of vehicles, and once accessed a water development that no longer exists; only some rusted 2" iron pipe remains.

Southern Boundary: Property line, access routes to spring developments, and Route 7027

General Description:

Various wilderness inventory roads and the BLM property line serve as the proposed unit boundaries along the southern border. Point 69 shows a route that serves as a portion of the proposed unit boundary and is used to access private property. Because of the aggressive posted signs we did not assess the condition of the route, although we assume it is not maintained. However, as it leads to private land and a spring we are providing access in this proposal. Much of the southern boundary follows Route 7027, a well-maintained dirt road that climbs steeply up the immense mountain front of the Grand Wash Cliffs. Points 75, 76, 97 & 98 show Route 7027. A portion of the unnamed, but maintained, road that leads to Rattlesnake Spring makes up a section of the southern boundary, and leads to BLM Route 7027 at point 74. One particularity with this boundary is where the Rattlesnake Spring route arcs closely to private land to its west, we concluded that the "pinch point" was a barrier to naturalness, so we propose the boundary follows the section line from point 70 west to the northern boundary of the private land. Another unnamed wilderness inventory road, seen in points 77 and 96, serves as a section of the southern unit border as well as it is the primary access to the ranch houses at the Music Ranch Headquarters.

Cherrystems:

-Point 70 shows an image of a maintained wilderness inventory road that leads to Rattlesnake Spring, livestock water tanks (point 72) & wildlife water catchment (point 71), which are also excluded from the proposed LWC unit. The water catchment was recently rebuilt by Arizona Game and Fish.

-Points 90, 92 and 94 document a narrow but good condition cherrystemmed road that leads to a small spring development at Willow Spring (point 95).

Ways:

-Point 73 was taken looking up a wash that gets infrequent vehicular use, but is not maintained and has no apparent purpose for vehicle travel. This wash use was not recorded in the BLM Route Inventory.

-Points 78-80 display photos of an unnamed unmaintained primitive route that once accessed some prospects. BLM data record this route as having light ATV use, fading away to reclaiming. After point 80, this way becomes almost fully revegetated, has been reclaimed by nature, and has a negligible effect to naturalness within the proposed LWC. Points 82, 83, 85 and 86 document the reclaimed portion of this old route.

-Point 93 documents a natural wash that receives no vehicular use. The BLM's route inventory data displays a route going up this wash and states that it is reclaiming. It is our opinion that the BLM digitized a natural wash as a route, but our photograph illustrates this is just a natural wash.

Associated Human Impacts:

-Points 81, 84, 87, & 88 document some rather minor impacts associated with some historic prospecting/mining. Point 89 illustrates that the old prospecting impacts are substantially unnoticeable to the average visitor when viewed from just a short distance away.

-Point 91 shows an old dilapidated livestock watering trough with no access route.

-Points 99 & 100 are images showing two different campsites adjacent to BLM Route 7027 which we excluded from the unit.

Eastern Boundary: Property line, Route 7027, other routes, and fenceline

General Description: The Garnet Mountain Proposed LWC eastern unit boundary is composed primarily of wilderness inventory roads and the BLM property line. Point 101 displays an image of a short road that serves as the LWC unit boundary up to a concrete water tank at point 102, which we excluded. At point 104 the boundary follows a fence line away from this water tank in order to exclude some substantial impacts to the east. The fence line is the proposed boundary until it intercepts BLM Route 7027 again at point 106/110. At point 111, the unit boundary leaves Route 7027 and follows what we believe is a buried pipeline which supplies the water tank seen in that data point. The pipeline serves as the unit boundary until it intercepts the BLM property line at private land. The property line is the unit boundary until it meets an unnamed road (point 115) that is used to access private property with a number of abandoned cabins on it, at which point this road becomes the proposed boundary. From there BLM Route 7052 (point 116) is the LWC boundary until point 119. At point 119, another unnamed wilderness inventory road (point 123) becomes the unit boundary all the way to the BLM

property line at a dirt tank. The property line with private land and Hualapai Indian Reservation is the proposed LWC unit boundary for the remainder of the eastern LWC border, returning to point 1.

Boundary Adjustments:

-As mentioned above, a fence line (point 104) and a buried waterline (from point 111 to the property line) serve as segments of the proposed eastern LWC unit boundary.

Cherry systems:

-Point 105 shows a cherry system that is under a quarter-mile in length and leads to a dirt tank (Topside Reservoir) that is also excluded from the proposed LWC.

-A wilderness inventory road (points 120 & 121) leads to an Arizona Game and Fish Department wildlife water catchment (point 122) which is excluded along with the cherry system. This route has seen maintenance in recent years.

Ways:

-Shortly after the water tank at point 102, the boundary road becomes an unmaintained way (point 103) that is apparently rarely used.

-Points 106-109 document an unmaintained way that is very deeply eroded. This way eventually leads to an area that was apparently thinned after a wildfire, perhaps 20 years ago. It appears that most users turn around because the route is in such bad condition.

-Points 112-114 show a user-created way that enters the proposed LWC from private property at North Tank. This primitive route is kept open solely by the passage of vehicles and most of the reason why it is open is because of cattle trampling.

Associated Human Impacts:

-Points 102, 11 and 117 show a water tanks and troughs along the unit boundary that have been excluded from the proposed LWC.

-A small campsite that has no substantial impact to naturalness can be seen in point 118.

-Point 123 shows a wilderness inventory road that leads to an earth-bermed water tank. This water tank is right along the northeastern part of the proposed boundary and is excluded from the proposed LWC.



This completes the boundary description.

Section 4: Photopoint Data

Data Tables and Geotagged Photographs to accompany the Detailed Boundary & Vehicle Routes Description

Attributes	
Point	1
Unit name	Garnet Mountain
Route: name	7024A
Route:	Bladed
Construction	
Route: Use	4-WD Trucks
Route: Purpose	Private land access/ dirt tank
Route: Maintenance	Portions bladed in past few years
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	At property line
Other notes	Unit Boundary

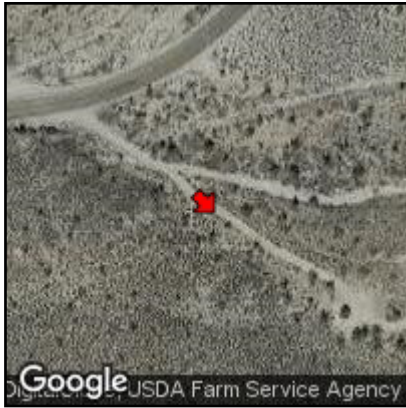

001

N 35° 51' 55.42"
W 113° 56' 14.13"
Photo Direction: 359° N
4608 ft
1/27/2017

Attributes	
Point	2
Unit name	Garnet Mountain
Route: name	7024A
Route:	Bladed
Construction	
Route: Use	4-WD Trucks
Route: Purpose	Private land access
Route: Maintenance	Old evidence - 3-5 years ago
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary



002

N 35° 52' 46.55"
W 113° 58' 06.55"
Photo Direction: 135° SE
4291 ft
1/27/2017

Attributes	
Point	3
Unit name	Garnet Mountain
Route: name	Old Diamond Bar Road
Route:	Former highway
Construction	
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Waterline
Route: Maintenance	Likely if needed
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

003

N 35° 52' 47.95"
W 113° 58' 10.59"
Photo Direction: 259° W
4265 ft
1/27/2017



Attributes	
Point	4
Unit name	Garnet Mountain
Route: name	Old Diamond Bar Road
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Abandoned highway
Route: Maintenance	Likely if needed
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	Unit corner
Other notes	At property line

004




Attributes	
Point	5
Unit name	Garnet Mountain
Route: name	7049 - Iron Springs Road
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Private land access
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	At property line. Difficult to find acces due to all the posted signs.
Other notes	Cherrystem

005


Attributes	
Point	6
Unit name	Garnet Mountain
Route: name	
Route: Construction	No evidence/user-created
Route: Use	4-WD Trucks
Route: Purpose	Camping
Route: Maintenance	None
Route: Determination	Way
Feature	Campsite & way
Feature notes	
Other notes	


006




Attributes	
Point	7
Unit name	Garnet Mountain
Route: name	7049
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Private land access
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary


007






Attributes	
Point	8
Unit name	Garnet Mountain
Route: name	Along 7049
Route: Construction	
Route: Use	4-WD Trucks
Route: Purpose	Corral
Route: Maintenance	
Route: Determination	Road
Feature	Corral
Feature notes	Equipment appears to be out of order and abandoned
Other notes	Exclude this impact

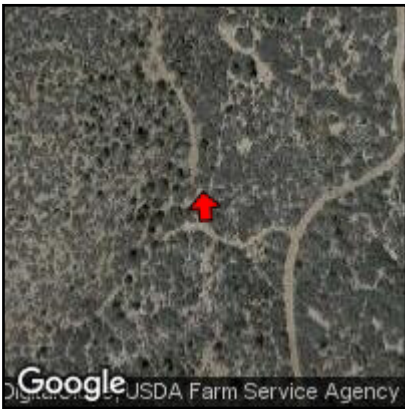
008






Attributes	
Point	9
Unit name	Garnet Mountain
Route: name	
Route: Construction	Once excavated
Route: Use	No sign observed
Route: Purpose	Waterline
Route: Maintenance	
Route: Determination	
Feature	Waterline
Feature notes	May be defunct
Other notes	Unit Boundary


009






Attributes	
Point	10
Unit name	Garnet Mountain
Route: name	7053A
Route: Construction	Once excavated
Route: Use	No sign observed
Route: Purpose	Waterline
Route: Maintenance	Recent earthwork
Route: Determination	
Feature	Waterline
Feature notes	
Other notes	Unit Boundary

010



Google JSDA Farm Service Agency



N 35° 50' 20.17"
W 113° 59' 01.82"
Photo Direction: 184° S

4713 ft
1/27/2017

Attributes	
Point	11
Unit name	Garnet Mountain
Route: name	
Route: Construction	
Route: Use	No sign observed
Route: Purpose	
Route: Maintenance	
Route: Determination	N/A
Feature	Broken pipeline
Feature notes	Old waterline
Other notes	

011



Google JSDA Farm Service Agency




N 35° 50' 16.47"
W 113° 59' 01.69"
Photo Direction: 8° N

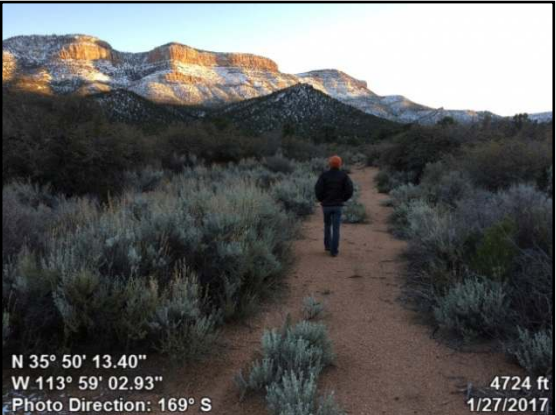
4697 ft
1/27/2017

Attributes	
Point	12
Unit name	Garnet Mountain
Route: name	7053A
Route: Construction	Probably only bladed once
Route: Use	ATV and/or Dirtbike
Route: Purpose	Private property access/potential waterline
Route: Maintenance	Likely to be maintained
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	
Other notes	

012



Google JSDA Farm Service Agency





N 35° 50' 13.40"
W 113° 59' 02.93"
Photo Direction: 169° S

4724 ft
1/27/2017

Attributes	
Point	13
Unit name	Garnet Mountain
Route: name	7053a
Route: Construction	Probably only bladed once
Route: Use	ATV and/or Dirtbike
Route: Purpose	Private land access
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	5' wide, ATV only
Other notes	Cherrystem

013







N 35° 50' 08.69"
W 113° 59' 01.72"
Photo Direction: 109° ESE
4706 ft
1/27/2017

Attributes	
Point	14
Unit name	Garnet Mountain
Route: name	Along 7049
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Private land access
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Route: Determination	Road
Feature	Corral
Feature notes	
Other notes	Exclude this impact

014

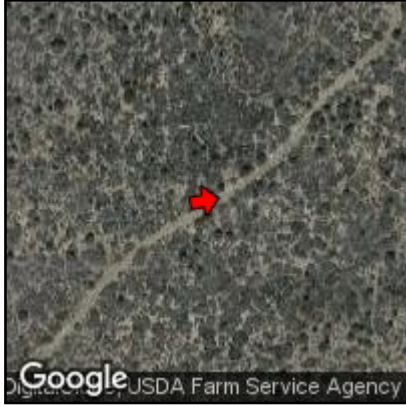





N 35° 49' 20.77"
W 114° 00' 15.02"
Photo Direction: 98° E
5063 ft
1/27/2017

Attributes	
Point	15
Unit name	Garnet Mountain
Route: name	7049
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Private land access
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	Rather snowy
Other notes	Cherrystem

015







N 35° 49' 06.96"
W 114° 00' 28.93"
Photo Direction: 79° E
5152 ft
1/27/2017

Attributes	
Point	16
Unit name	Garnet Mountain
Route name	7053
Construction	Bladed
Observed Use	ATV and/or Dirtbike
Purpose	Multiple uses
Maintenance	None
Determination	Way
Feature	Typical condition of way
Feature notes	At property line
Other notes	

016



Google
USDA Farm Service Agency




N 35° 48' 26.11"
W 114° 01' 03.66"
Photo Direction: 163° SSE


5361 ft
12/10/2016

Attributes	
Point	17
Unit name	Garnet Mountain
Determination	
Feature	Thinned vegetation area
Feature notes	The average visitor would not notice how this area is anomalous.
Other notes	No signs of recent human visitation. Thinned area to west & south.

017



Google
USDA Farm Service Agency

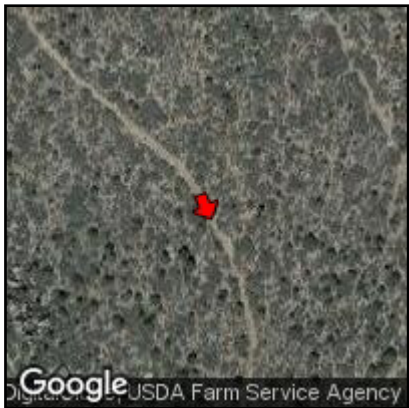


N 35° 48' 21.09"
W 114° 01' 05.78"
Photo Direction: 347° NNW

5400 ft
12/10/2016

Attributes	
Point	18
Unit name	Garnet Mountain
Route name	7053
Construction	Bladed
Observed Use	ATV and/or Dirtbike
Purpose	Multiple uses
Maintenance	None
Determination	Way
Feature	Typical condition of way
Feature notes	Lack of maintenance
Other notes	

018



Google
USDA Farm Service Agency

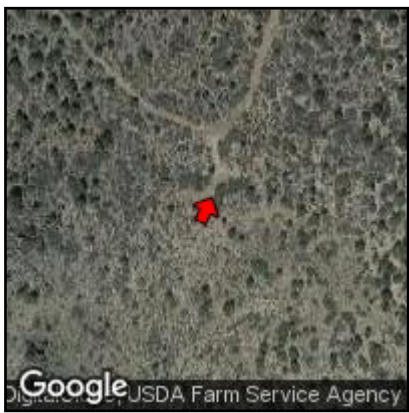


N 35° 48' 03.48"
W 114° 00' 54.07"
Photo Direction: 155° SSE


5540 ft
12/10/2016

Attributes	
Point	19
Unit name	Garnet Mountain
Route name	
Construction	No evidence
Observed Use	ATV and/or Dirtbike
Purpose	Turn around spot
Maintenance	None
Determination	Way
Feature	Turn around
Feature notes	Small clearing
Other notes	

019




Google
USDA Farm Service Agency




N 35° 47' 45.55"
W 114° 00' 56.88"
Photo Direction: 25° NNE
5717 ft
12/10/2016

Attributes	
Point	20
Unit name	Garnet Mountain
Route name	7053
Construction	Bladed
Observed Use	ATV and/or Dirtbike
Purpose	Multiple uses
Maintenance	None
Determination	Way
Feature	Erosion
Feature notes	Obvious lack of maintenance
Other notes	

020



Google
USDA Farm Service Agency



N 35° 47' 47.38"
W 114° 01' 39.42"
Photo Direction: 304° NW
5955 ft
12/10/2016

Attributes	
Point	21
Unit name	Garnet Mountain
Route name	7053
Construction	Bladed & Cut and Fill
Observed Use	ATV and/or Dirtbike
Purpose	Multiple uses
Maintenance	None
Determination	Way
Feature	Typical condition of way
Feature notes	Lack of maintenance
Other notes	Leads to Garnet Mine

021



Google
USDA Farm Service Agency



N 35° 47' 48.48"
W 114° 01' 53.22"
Photo Direction: 172° S
6180 ft
12/10/2016

Attributes	
Point	22
Unit name	Garnet Mountain
Route name	
Construction	
Observed Use	
Purpose	
Maintenance	
Determination	
Feature	Garnet Mine
Feature notes	Historic prospect; small impact.
Other notes	No signs of recent human visitation

022



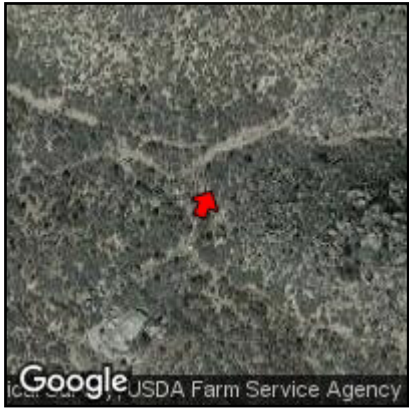
Google
USDA Farm Service Agency




N 35° 47' 36.48"
W 114° 01' 52.28"
Photo Direction: 350° N
6269 ft
12/10/2016

Attributes	
Point	023
Unit name	Garnet Mountain
Route name	
Construction	
Observed Use	None
Purpose	Livestock water
Maintenance	
Determination	
Feature	Livestock Watering station
Feature notes	Appears non-functional
Other notes	

023




Google
USDA Farm Service Agency




N 35° 48' 05.98"
W 114° 01' 57.23"
Photo Direction: 27° NNE
5803 ft
12/10/2016

Attributes	
Point	24
Unit name	Garnet Mountain
Route name	7053B
Construction	No evidence
Observed Use	None
Purpose	No apparent purpose
Maintenance	None
Determination	Reclaimed/Revegetated
Feature	Overgrown with vegetation
Feature notes	
Other notes	At property line

024




Google
USDA Farm Service Agency




N 35° 48' 36.05"
W 114° 01' 32.39"
Photo Direction: 308° NW
5484 ft
12/10/2016

Attributes	
Point	25
Unit name	Garnet Mountain
Route name	7053B
Construction	No evidence
Observed Use	None
Purpose	No apparent purpose
Maintenance	None
Determination	Reclaimed/
Feature	Revegetated
Feature notes	
Other notes	Reclaimed road

025




Google
USDA Farm Service Agency




N 35° 48' 49.25"
W 114° 01' 44.87"
Photo Direction: 339° NNW
5413 ft
12/10/2016

Attributes	
Point	26
Unit name	Garnet Mountain
Route: name	7053
Route: Construction	Probably only bladed once
Route: Use	4-WD Trucks
Route: Purpose	Waterline
Route: Maintenance	Likely if needed
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	Buried waterline
Other notes	Unit Boundary

026



Google
USDA Farm Service Agency



N 35° 53' 15.86"
W 114° 02' 18.78"
Photo Direction: 139° SE
4015 ft
1/27/2017

Attributes	
Point	27
Unit name	Garnet Mountain
Route: name	Diamond Bar Road
Route: Construction	Paved/chip-sealed/gravel surfaced
Route: Use	2-WD Vehicles
Route: Purpose	Multiple uses
Route: Maintenance	Yes
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

027




Google
USDA Farm Service Agency




N 35° 52' 03.18"
W 114° 04' 04.93"
Photo Direction: 43° NE
4085 ft
1/27/2017

Attributes	
Point	28
Unit name	Garnet Mountain
Route name	Not Named
Construction	Bladed
Use	4-WD Trucks
Purpose	Ranching/Private land access
Maintenance	Likely to be maintained
Determination	Road
Feature	Corral & boundary road (right)
Feature notes	
Other notes	Corral is excluded from unit

028



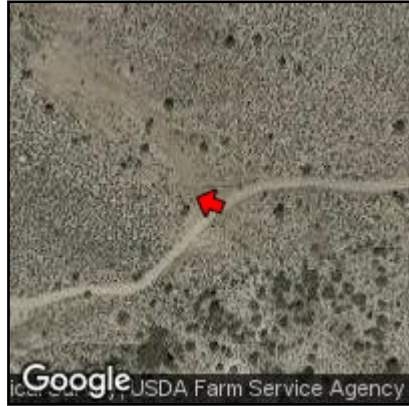
Google
USDA Farm Service Agency




N 35° 51' 35.47"
W 114° 03' 55.30"
Photo Direction: 281° W
4158 ft
10/31/2016

Attributes	
Point	29
Unit name	Garnet Mountain
Route name	Not Named
Construction	Bladed
Use	4-WD Trucks
Purpose	Well/Water tanks
Maintenance	Likely if needed
Determination	Road
Feature	Windmill/Well
Feature notes	Excluded
Other notes	Cherrystem

029




Google
USDA Farm Service Agency




N 35° 51' 18.17"
W 114° 03' 07.14"
Photo Direction: 291° WNW
4484 ft
10/31/2016

Attributes	
Point	30
Unit name	Garnet Mountain
Route name	7056
Construction	Probably only bladed once
Use	Misc. Off Road Vehicles
Purpose	Private land access
Maintenance	Likely to be maintained
Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	

030

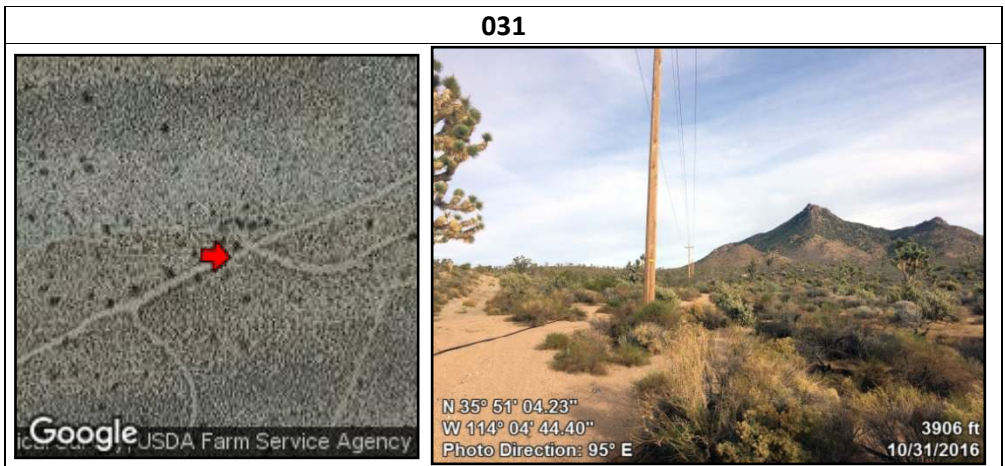


Google
USDA Farm Service Agency

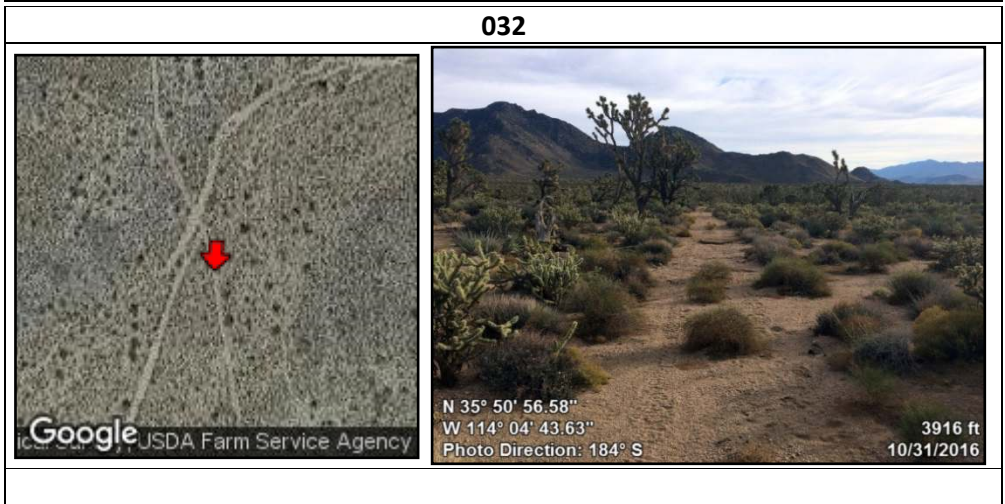


N 35° 51' 15.75"
W 114° 03' 13.60"
Photo Direction: 261° W
4443 ft
10/31/2016

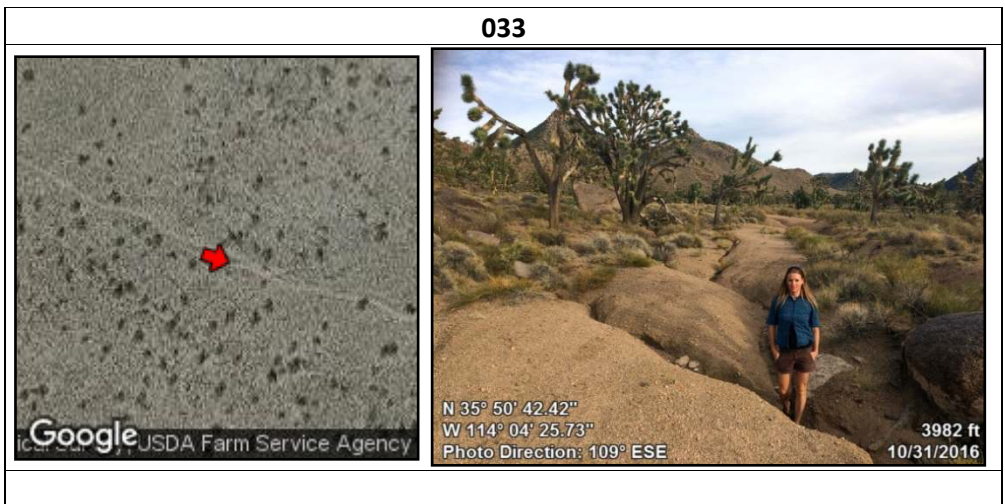
Attributes	
Point	31
Unit name	Garnet Mountain
Route name	
Construction	
Use	
Purpose	
Maintenance	
Determination	
Feature	Powerline
Feature notes	
Other notes	Unit Boundary



Attributes	
Point	32
Unit name	Garnet Mountain
Route name	Not Named
Construction	Probably only bladed once
Use	Misc. Off Road Vehicles
Purpose	No apparent purpose
Maintenance	None
Determination	Way
Feature	Typical Condition of Route
Feature notes	Feature minimally affects naturalness
Other notes	



Attributes	
Point	33
Unit name	Garnet Mountain
Route name	Not Named
Construction	Probably only bladed once
Use	Misc. Off Road Vehicles
Purpose	No apparent purpose
Maintenance	
Determination	Way
Feature	Erosion
Feature notes	Impassable section.
Other notes	Kept open solely by passage of vehicles



Attributes	
Point	34
Unit name	Garnet Mountain
Route name	Not Named
Construction	No evidence/user-created
Use	Misc. Off Road Vehicles
Purpose	No apparent purpose
Maintenance	None
Determination	Way
Feature	Typical Condition of Route
Feature notes	
Other notes	Sandy wash to left gets some use. Turn around shortly.

034




Google
USDA Farm Service Agency




N 35° 50' 26.29"
W 114° 04' 43.48"
Photo Direction: 113° ESE
3871 ft
10/31/2016

Attributes	
Point	35
Unit name	Garnet Mountain
Route name	Not Named
Construction	No evidence/user-created
Use	Misc. Off Road Vehicles
Purpose	No apparent purpose
Maintenance	None
Determination	Way
Feature	Low use/faint route
Feature notes	Feature minimally affects naturalness
Other notes	

035




Google
USDA Farm Service Agency




N 35° 50' 25.14"
W 114° 04' 40.95"
Photo Direction: 104° ESE
3896 ft
10/31/2016

Attributes	
Point	36
Unit name	Garnet Mountain
Route name	7055
Construction	Bladed
Use	Misc. Off Road Vehicles
Purpose	Unknown
Maintenance	None
Determination	Way
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

036




Google
USDA Farm Service Agency




N 35° 50' 11.09"
W 114° 05' 15.28"
Photo Direction: 150° SSE
3720 ft
10/31/2016

Attributes	
Point	37
Unit name	Garnet Mountain
Route name	7055
Construction	Bladed
Use	Misc. Off Road Vehicles
Purpose	Unknown
Maintenance	None
Determination	Way
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary




Google | USDA Farm Service Agency

037




N 35° 50' 05.84"
W 114° 05' 15.36"
Photo Direction: 19° NNE
3724 ft
10/31/2016

Attributes	
Point	38
Unit name	Garnet Mountain
Route: name	7054
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Wildlife Water Catchment
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Cherrystem




Google | USDA Farm Service Agency

038




N 35° 49' 51.69"
W 114° 05' 03.16"
Photo Direction: 67° ENE
3766 ft
1/27/2016

Attributes	
Point	39
Unit name	Garnet Mountain
Route name	Not Named
Construction	Probably only bladed once
Use	No sign observed
Purpose	Unknown
Maintenance	
Determination	Reclaimed & unused
Feature	Revegetated/Naturalized
Feature notes	Feature minimally affects naturalness
Other notes	



Google | USDA Farm Service Agency


039




N 35° 49' 53.97"
W 114° 04' 23.49"
Photo Direction: 18° NNE
3972 ft
10/31/2016

Attributes	
Point	40
Unit name	Garnet Mountain
Route name	Not Named
Construction	No evidence/user-created
Use	ATV and/or Dirtbike
Purpose	No apparent purpose
Maintenance	None
Determination	Natural Wash
Feature	Typical Condition of Route
Feature notes	Single set of tracks turn around shortly.
Other notes	

040



Google USDA Farm Service Agency



N 35° 49' 51.49"
W 114° 04' 22.85"
Photo Direction: 122° ESE
3988 ft
10/31/2016

Attributes	
Point	41
Unit name	Garnet Mountain
Route name	Not Named
Construction	Probably only bladed once
Use	Misc. Off Road Vehicles
Purpose	Unknown
Maintenance	None
Determination	Way
Feature	Typical condition of way
Feature notes	Erosion/vegetation
Other notes	

041



Google USDA Farm Service Agency



N 35° 49' 48.62"
W 114° 04' 24.05"
Photo Direction: 119° ESE
4001 ft
10/31/2016

Attributes	
Point	42
Unit name	Garnet Mountain
Route name	Not Named
Construction	Probably only bladed once
Use	Misc. Off Road Vehicles
Purpose	Unknown
Maintenance	None
Determination	Way
Feature	Typical Condition of Route
Feature notes	Feature minimally affects naturalness
Other notes	Vegetation in median

042




Google USDA Farm Service Agency




N 35° 49' 39.66"
W 114° 04' 15.97"
Photo Direction: 151° SSE
4117 ft
10/31/2016

Attributes	
Point	43
Unit name	Garnet Mountain
Route name	Not Named
Construction	Probably only bladed once
Use	Misc. Off Road Vehicles
Purpose	Unknown
Maintenance	None
Determination	Way
Feature	Typical Condition of Route
Feature notes	Erosion evident
Other notes	

043




Google
USDA Farm Service Agency




N 35° 49' 33.33"
W 114° 04' 10.38"
Photo Direction: 119° ESE
4198 ft
10/31/2016

Attributes	
Point	44
Unit name	Garnet Mountain
Route name	Not Named
Construction	No evidence
Use	No sign observed
Purpose	Unknown
Maintenance	None
Determination	Reclaimed & unused
Feature	Revegetated/Naturalized
Feature notes	Feature minimally affects naturalness
Other notes	

044




Google
USDA Farm Service Agency




N 35° 49' 36.23"
W 114° 04' 06.05"
Photo Direction: 342° NNW
4196 ft
10/31/2016

Attributes	
Point	45
Unit name	Garnet Mountain
Route name	Not Named
Construction	Bladed & Cut and Fill
Use	No sign observed
Purpose	Unknown
Maintenance	None
Determination	Reclaimed & unused
Feature	Revegetated/Naturalized
Feature notes	Feature minimally affects naturalness
Other notes	

045



Google
USDA Farm Service Agency



N 35° 49' 51.73"
W 114° 03' 51.34"
Photo Direction: 246° WSW
4229 ft
10/31/2016

Attributes	
Point	46
Unit name	Garnet Mountain
Route name	Not Named
Construction	Probably only bladed once
Use	Misc. Off Road Vehicles
Purpose	No apparent purpose
Maintenance	None
Determination	Way
Feature	Erosion/vegetation in way
Feature notes	Feature minimally affects naturalness
Other notes	

046




Google USDA Farm Service Agency




N 35° 49' 56.24"
W 114° 03' 47.22"
Photo Direction: 8° N
4191 ft
10/31/2016

Attributes	
Point	47
Unit name	Garnet Mountain
Route: name	7054
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Wildlife Water Catchment
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Cherrystem

047




Google USDA Farm Service Agency




N 35° 49' 45.89"
W 114° 03' 26.53"
Photo Direction: 144° SE
4326 ft
1/27/2017

Attributes	
Point	48
Unit name	Garnet Mountain
Route name	7054
Construction	Probably only bladed once
Use	No sign observed
Purpose	Inactive Prospecting/Minning
Maintenance	None
Determination	Way
Feature	Erosion/lack of maintenance
Feature notes	Feature minimally affects naturalness
Other notes	

048



Google USDA Farm Service Agency



N 35° 49' 34.41"
W 114° 02' 59.05"
Photo Direction: 167° SSE
4
10/31

Attributes	
Point	49
Unit name	Garnet Mountain
Route name	7054
Construction	No evidence/user-created
Use	No sign observed
Purpose	No apparent purpose
Maintenance	None
Determination	Way
Feature	Extreme erosion has made route impossible to access.
Feature notes	
Other notes	

049



Google USDA Farm Service Agency



N 35° 49' 24.82"
W 114° 02' 49.57"
Photo Direction: 304° NW
4644 ft
10/31/2016

Attributes	
Point	50
Unit name	Garnet Mountain
Route name	7054
Construction	No evidence/user-created
Use	Misc. Off Road Vehicles
Purpose	No apparent purpose
Maintenance	None
Determination	Way
Feature	End of route at impasse
Feature notes	
Other notes	

050



Google USDA Farm Service Agency



N 35° 49' 22.85"
W 114° 02' 47.54"
Photo Direction: 163° SSE
4665 ft
10/31/2016

Attributes	
Point	51
Unit name	Garnet Mountain
Route name	Not Named
Construction	Probably only bladed once
Use	Misc. Off Road Vehicles
Purpose	Inactive Prospecting/Min ing
Maintenance	None
Determination	Way
Feature	Typical Condition of Route
Feature notes	Feature minimally affects naturalness
Other notes	

051





Google USDA Farm Service Agency



N 35° 49' 36.28"
W 114° 02' 55.72"
Photo Direction: 61° ENE
4559 ft
10/31/2016

Attributes	
Point	52
Unit name	Garnet Mountain
Route name	
Construction	
Use	
Purpose	Game water and weather antenna
Maintenance	
Determination	N/A
Feature	Game water and weather antenna
Feature notes	Systems functional
Other notes	Impact excluded

052



Google JSDA Farm Service Agency

5.63"
55.65"
Direction: 117° ESE

4562 ft
10/31/2016

Attributes	
Point	53
Unit name	Garnet Mountain
Route: name	
Route: Construction	Recently rebuilt
Route: Use	
Route: Purpose	
Route: Maintenance	Recent earthwork
Route: Determination	
Feature	Wildlife Water Catchment
Feature notes	Brand new. Painted brown for low visual impact.
Other notes	Exclude this impact

053

Google JSDA Farm Service Agency

N 35° 49' 35.75"
W 114° 02' 54.02"
Photo Direction: 219° SW

4573 ft
1/27/2017

Attributes	
Point	54
Unit name	Garnet Mountain
Route: name	Not Named
Route: Construction	Probably only bladed once
Route: Use	Foot use
Route: Purpose	Inactive Prospecting/Min ing
Route: Maintenance	None
Route: Determination	Way
Feature	Erosion
Feature notes	Where prospecting route climbs out of wash
Other notes	

054




Google JSDA Farm Service Agency

N 35° 49' 40.53"
W 114° 02' 43.39"
Photo Direction: 346° NNW

4682 ft
1/27/2017

Attributes	
Point	55
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Probably only bladed once
Route: Use	Foot use
Route: Purpose	Inactive Prospecting/Minin g
Route: Maintenance	None
Route: Determination	Way
Feature	Route barely noticeable

055




Google JSDA Farm Service Agency




N 35° 49' 41.40"
W 114° 02' 44.76"
Photo Direction: 120° ESE
4707 ft
1/27/2017

Attributes	
Point	56
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Probably only bladed once
Route: Use	Foot use
Route: Purpose	Inactive Prospecting/Minin g
Route: Maintenance	None
Route: Determination	Way
Feature	Erosion, off camber, revegetating
Feature notes	Impassable to most users
Other notes	

056



Google JSDA Farm Service Agency



N 35° 49' 42.80"
W 114° 02' 45.81"
Photo Direction: 333° NNW
4719 ft
1/27/2017

Attributes	
Point	57
Unit name	Garnet Mountain
Route: name	7055
Route: Construction	Probably only bladed once
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Other notes	Use as boundary because of barrier to naturalness

057




Google JSDA Farm Service Agency




N 35° 49' 47.37"
W 114° 05' 08.80"
Photo Direction: 141° SE
3729 ft
1/27/2017

Attributes	
Point	58
Unit name	Garnet Mountain
Route: name	Not Named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose, ends in 500 feet
Route: Maintenance	None
Route: Determination	Way
Feature	Junction of Routes
Feature notes	Feature minimally affects naturalness
Other notes	No sign of camping at turnaround

058



Google JSDA Farm Service Agency



N 35° 49' 43.57"
W 114° 05' 07.47"
Photo Direction: 159° SSE
3748 ft
1/27/2017

Attributes	
Point	59
Unit name	Garnet Mountain
Route: name	7055
Route: Construction	Probably only bladed once
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Unknown
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Other notes	Unit Boundary

059




Google JSDA Farm Service Agency




N 35° 49' 35.61"
W 114° 05' 12.79"
Photo Direction: 182° S
3698 ft
1/27/2017

Attributes	
Point	60
Unit name	Garnet Mountain
Route: name	Not Named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose, use turns around shortly
Route: Maintenance	None
Route: Determination	Way
Feature	Natural Wash
Feature notes	Feature minimally affects naturalness
Other notes	

060




Google JSDA Farm Service Agency




N 35° 49' 10.93"
W 114° 05' 27.57"
Photo Direction: 74° ENE
3543 ft
1/27/2017

Attributes	
Point	61
Unit name	Garnet Mountain
Route: name	7055
Route: Construction	Probably only bladed once
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Wash section of route
Feature notes	
Other notes	Unit Boundary

061



Google JSDA Farm Service Agency




N 35° 49' 10.39"
W 114° 05' 29.43"
Photo Direction: 72° ENE


3521 ft
1/27/2017

Attributes	
Point	62
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Probably only bladed once
Route: Use	Occasional off road vehicles
Route: Purpose	Defunct water development
Route: Maintenance	None
Route: Determination	Way
Feature	Junction of Routes
Feature notes	Feature minimally affects naturalness
Other notes	Kept open solely by vehicle passage

062



Google JSDA Farm Service Agency




N 35° 48' 54.69"
W 114° 05' 32.19"
Photo Direction: 113° ESE


3426 ft
1/27/2017

Attributes	
Point	63
Unit name	Garnet Mountain
Route: name	
Route: Construction	Probably only bladed once
Route: Use	Occasional off road vehicles
Route: Purpose	Defunct water development
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	Revegetating
Other notes	Kept open solely by passage of vehicles

063



Google JSDA Farm Service Agency



N 35° 48' 51.24"
W 114° 05' 19.52"
Photo Direction: 104° ESE

3488 ft
1/27/2017

Attributes	
Point	64
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	Occasional off road vehicles
Route: Purpose	Once accessed water devlpmnt now defunct.
Route: Maintenance	None
Route: Determination	Reclaimed & unused beyond this point
Feature	Natural Wash
Feature notes	Route no longer passable
Other notes	Broken iron pipe on right



Attributes	
Point	65
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	No sign observed
Route: Purpose	Once accessed a water development, now defunct.
Route: Maintenance	None
Route: Determination	Reclaimed & unused
Feature	Broken pipes
Feature notes	All that remains of defunct and abandoned spring development




Attributes	
Point	66
Unit name	Garnet Mountain
Route: name	7055
Route: Construction	Probably only bladed once
Route: Use	Occasional off road vehicles
Route: Purpose	Unknown
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	Lightly used.
Other notes	Barrier to naturalness. Unit boundary.




Attributes	
Point	67
Unit name	Garnet Mountain
Route: name	7055
Route: Construction	Probably only bladed once
Route: Use	Occasional off road vehicles
Route: Purpose	Unknown
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	
Other notes	Barrier to naturalness. Unit boundary.

067




Google JSDA Farm Service Agency




N 35° 48' 29.44"
W 114° 05' 34.40"
Photo Direction: 354° N
3308 ft
1/27/2017

Attributes	
Point	68
Unit name	Garnet Mountain
Route: name	7055
Route: Construction	Probably only bladed once
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Multiple uses
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

068




Google JSDA Farm Service Agency



N 35° 47' 36.60"
W 114° 05' 32.57"
Photo Direction: 337° NNW
3247 ft
1/27/2017

Attributes	
Point	69
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Probably only bladed once
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Private land access
Route: Maintenance	Likely if needed
Route: Determination	Road
Feature	Access road to well
Feature notes	Heavily signed, "danger: land mines"
Other notes	Unit Boundary

069




Google JSDA Farm Service Agency




N 35° 47' 34.71"
W 114° 05' 30.33"
Photo Direction: 87° E
3255 ft
1/27/2017

Attributes	
Point	70
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Spring & wildlife water catchment access
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	Road is cherrystem from here to its end.
Other notes	Cherrystem

070



Google JSDA Farm Service Agency




N 35° 45' 50.12"
W 114° 02' 17.08"
Photo Direction: 27° NNE


3443 ft
1/28/2017

Attributes	
Point	71
Unit name	Garnet Mountain
Feature	Wildlife Water Catchment
Feature notes	Painted brown for low visual impact. Also, it's tucked in a basin which visually isolates impact from most of the rest of the unit.
Other notes	Exclude this impact

071



Google JSDA Farm Service Agency



N 35° 46' 07.02"
W 114° 01' 28.96"
Photo Direction: 278° W

3745 ft
1/28/2017

Attributes	
Point	72
Unit name	Garnet Mountain
Feature	Water & stock tanks
Feature notes	Tucked in a basin that visually hides these impacts from the rest of the proposed unit.
Other notes	Excluded from proposed LWC.

072



Google JSDA Farm Service Agency




N 35° 46' 05.30"
W 114° 01' 22.32"
Photo Direction: 111° ESE


3794 ft
1/28/2017

Attributes	
Point	73
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Wash route
Feature notes	Does not affect naturalness
Other notes	

073




Google JSDA Farm Service Agency




N 35° 44' 42.18"
W 114° 01' 48.58"
Photo Direction: 54° NE
3075 ft
1/28/2017

Attributes	
Point	74
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Bladed
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Multiple uses
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

074




Google JSDA Farm Service Agency




N 35° 44' 18.30"
W 114° 01' 08.89"
Photo Direction: 303° WNW
3164 ft
1/28/2017

Attributes	
Point	75
Unit name	Garnet Mountain
Route: name	7027: Tenny Ranch Rd
Route: Construction	Bladed
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Multiple uses
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

075



Google JSDA Farm Service Agency



N 35° 45' 16.22"
W 113° 59' 45.23"
Photo Direction: 215° SW
3621 ft
1/28/2017

Attributes	
Point	76
Unit name	Garnet Mountain
Route: name	7027: Music Ranch Rd
Route: Construction	Bladed & Cut and Fill
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Multiple uses
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

076



Google JSDA Farm Service Agency

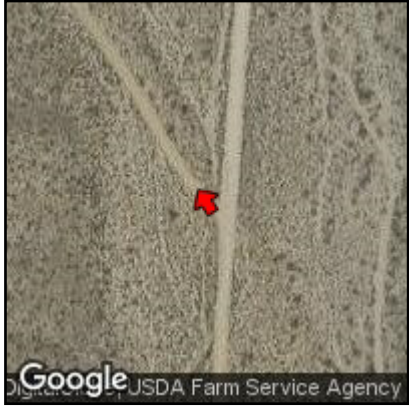


N 35° 45' 45.58"
W 113° 59' 45.38"
Photo Direction: 182° S

3798 ft
1/28/2017

Attributes	
Point	77
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Bladed
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Multiple uses
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

077



Google JSDA Farm Service Agency



N 35° 45' 46.13"
W 113° 59' 45.79"
Photo Direction: 327° NNW

3784 ft
1/28/2017

Attributes	
Point	78
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Probably only bladed once
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Inactive Prospecting
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	
Other notes	Kept open solely by passage of vehicles

078



Google JSDA Farm Service Agency



N 35° 45' 57.15"
W 113° 59' 51.52"
Photo Direction: 303° WNW

3834 ft
1/28/2017

Attributes	
Point	79
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Probably only bladed once
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Inactive Prospecting
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	Lots of brush growing up in way
Other notes	Kept open solely by passage of vehicles

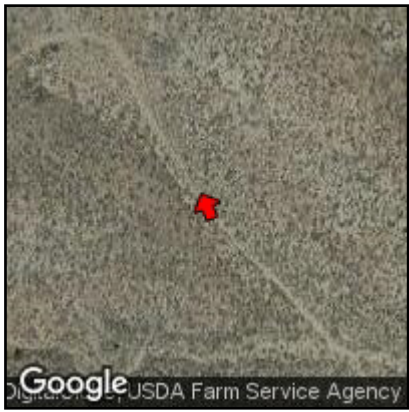
079






Attributes	
Point	80
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Probably only bladed once
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Inactive Prospecting
Route: Maintenance	None
Route: Determination	Way
Feature	Overgrown vegetation
Feature notes	Feature minimally affects naturalness
Other notes	Kept open solely by passage of vehicles

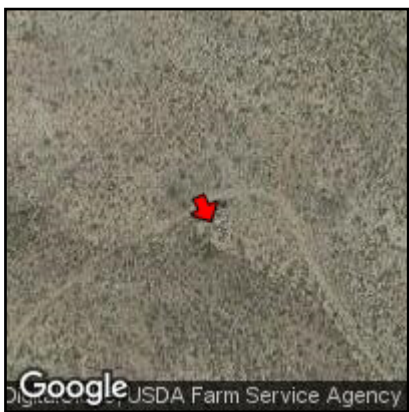
080






Attributes	
Point	81
Unit name	Garnet Mountain
Route: Use	
Route: Purpose	Inactive Prospecting
Feature	Trash heap
Feature notes	Very small impact zone
Other notes	Trash left; likely from prospectors.


081






Attributes	
Point	82
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Probably only bladed once
Route: Use	None
Route: Purpose	Inactive Prospecting
Route: Maintenance	None
Route: Determination	Reclaimed & unused
Feature	Revegetated/In process of naturalizing
Other notes	Minimally affects naturalness for avg. visitor

082



Google JSDA Farm Service Agency



N 35° 46' 09.96"
W 114° 00' 12.10"
Photo Direction: 246° WSW
4101 ft
1/28/2017

Attributes	
Point	83
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Probably only bladed once; cut & fill
Route: Use	None
Route: Purpose	Inactive Prospecting
Route: Maintenance	None
Route: Determination	Reclaimed & unused
Feature	Revegetated/In process of naturalizing
Other notes	Minimally affects naturalness to avg visitor

083



Google JSDA Farm Service Agency



N 35° 46' 03.13"
W 114° 00' 22.95"
Photo Direction: 146° SE
4235 ft
1/28/2017

Attributes	
Point	84
Unit name	Garnet Mountain
Route: Use	None
Route: Purpose	Inactive Prospecting
Feature	Old prospect
Feature notes	Revegetated/In process of naturalizing
Other notes	Small impact zone

084



Google JSDA Farm Service Agency



N 35° 45' 59.73"
W 114° 00' 23.23"
Photo Direction: 182° S
4255 ft
1/28/2017

Attributes	
Point	85
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Bladed & Cut and Fill
Route: Use	None
Route: Purpose	Inactive Prospecting
Route: Maintenance	None
Route: Determination	Way
Feature	Revegetated/Naturalized
Feature notes	Small prospects & old way are barely noticeable
Other notes	Very minimally affects naturalness

085



Google JSDA Farm Service Agency



N 35° 46' 00.99"
W 114° 00' 28.43"
Photo Direction: 107° ESE
4356 ft
1/28/2017

Attributes	
Point	86
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Bladed & Cut and Fill
Route: Use	None
Route: Purpose	Inactive Prospecting
Route: Maintenance	None
Route: Determination	Reclaimed/Naturalized
Feature	Revegetated/Naturalized
Feature notes	
Other notes	Minimally affects naturalness

086



Google JSDA Farm Service Agency



N 35° 46' 03.31"
W 114° 00' 29.52"
Photo Direction: 295° WNW
4502 ft
1/28/2017

Attributes	
Point	87
Unit name	Garnet Mountain
Route: Use	None
Route: Purpose	Inactive Prospecting
Feature	Old prospect
Feature notes	Human for scale
Other notes	Revegetating & slowly naturalizing

087

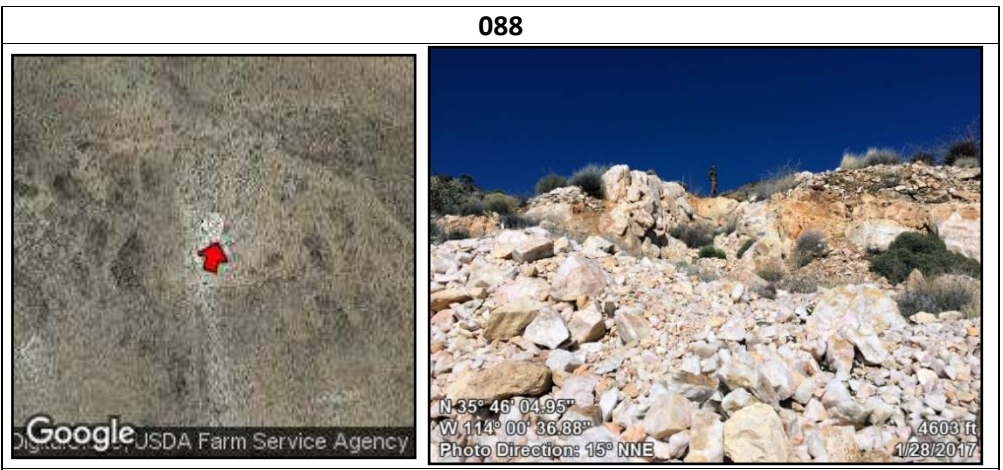


Google JSDA Farm Service Agency

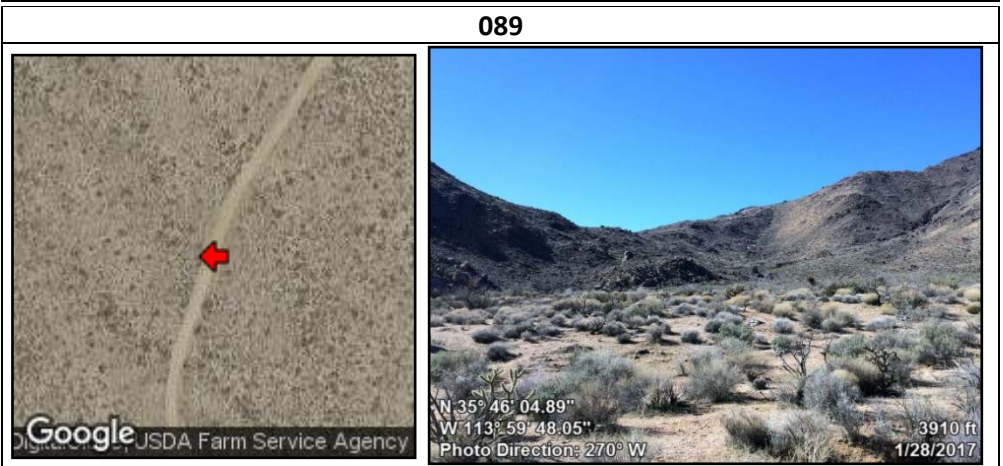


N 35° 46' 05.13"
W 114° 00' 36.17"
Photo Direction: 297° WNW
4592 ft
1/28/2017

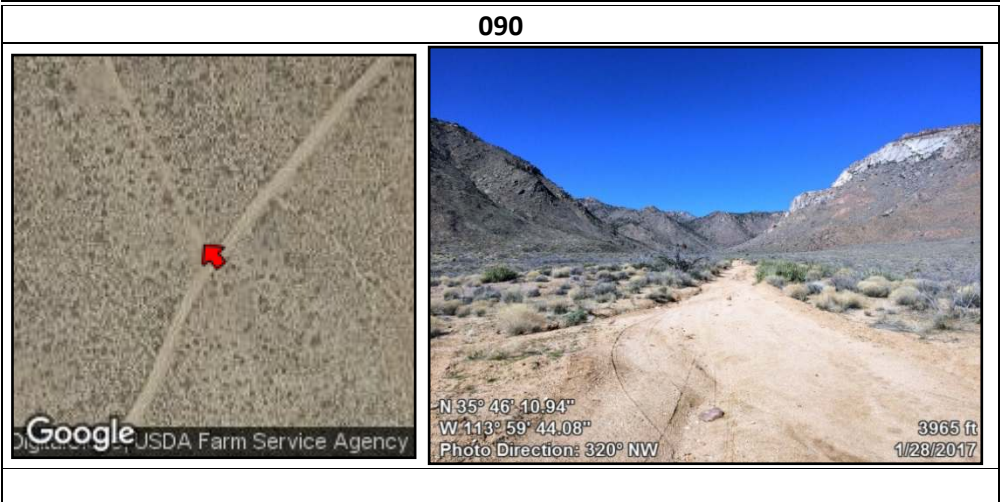
Attributes	
Point	88
Unit name	Garnet Mountain
Route: Use	None
Route: Purpose	Inactive Prospecting
Feature	Old prospect
Feature notes	Relatively small impact area.
Other notes	Human for scale.



Attributes	
Point	89
Unit name	Garnet Mountain
Feature	Old prospect on ridge
Feature notes	Not substantially noticeable
Other notes	

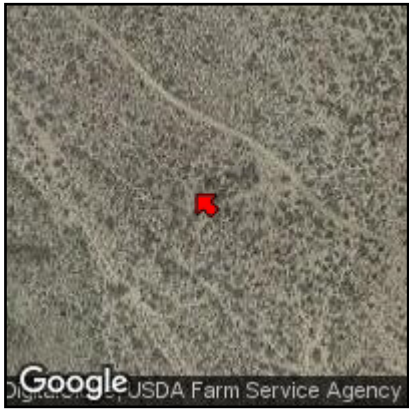


Attributes	
Point	90
Unit name	Garnet Mountain
Route: name	Not named
Route:	Bladed
Construction	
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Spring access
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Cherrystem



Attributes	
Point	91
Unit name	Garnet Mountain
Feature	Dilapidated Livestock Water Trough
Feature notes	Non-functional with holes
Other notes	No access road

091



Google JSDA Farm Service Agency



N 35° 46' 32.47"
W 114° 00' 00.75"
Photo Direction: 315° NW
4148 ft
1/28/2017

Attributes	
Point	92
Unit name	Garnet Mountain
Route: name	Not named
Route:	Bladed
Construction	
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Spring access
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	Low impact Rd
Other notes	Cherrystem

092




Google JSDA Farm Service Agency




N 35° 46' 55.44"
W 114° 00' 21.17"
Photo Direction: 309° NW
4381 ft
1/28/2017

Attributes	
Point	93
Unit name	Garnet Mountain
Route: Use	None
Route: Maintenance	None
Route: Determination	Natural Wash
Feature	Natural Wash
Feature notes	
Other notes	

093




Google JSDA Farm Service Agency




N 35° 47' 05.18"
W 114° 00' 29.97"
Photo Direction: 256° WSW
4461 ft
1/28/2017

Attributes	
Point	94
Unit name	Garnet Mountain
Feature	Livestock Watering Tank
Feature notes	
Other notes	This impact is excluded

094




Google
Digitized by USDA Farm Service Agency




N 35° 47' 12.88"
W 114° 00' 30.90"
Photo Direction: 28° NNE
4537 ft
1/28/2017

Attributes	
Point	95
Unit name	Garnet Mountain
Route: name	
Feature	Willow Spring
Feature notes	Small impact: 4ft rock dam. Does not affect naturalness.
Other notes	This impact is excluded

095



Google
Digitized by USDA Farm Service Agency




N 35° 47' 22.74"
W 114° 00' 28.20"
Photo Direction: 82° E
4664 ft
1/28/2017

Attributes	
Point	96
Unit name	Garnet Mountain
Route: name	Not named
Route:	Bladed
Construction	
Route: Use	2-WD Vehicles
Route:	Private land access
Purpose	
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Near property boundary with Music Ranch
Feature notes	Small size of ranch & associated impacts
Other notes	Unit Boundary

096



Google
Digitized by USDA Farm Service Agency



N 35° 46' 22.21"
W 113° 59' 25.39"
Photo Direction: 29° NNE
4047 ft
1/28/2017

Attributes	
Point	97
Unit name	Garnet Mountain
Route: name	7027: Music Ranch Rd
Route: Construction	Bladed & Cut and Fill
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Multiple uses
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

097




Google
Digital Data by USDA Farm Service Agency




N 35° 46' 24.53"
W 113° 58' 52.37"
Photo Direction: 65° ENE
4196 ft
1/28/2017

Attributes	
Point	98
Unit name	Garnet Mountain
Route: name	7027 - Music Ranch Road
Route: Construction	Bladed & Cut and Fill
Route: Use	4-WD Trucks
Route: Purpose	Private land access
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

098




Google
Digital Data by USDA Farm Service Agency




N 35° 46' 06.08"
W 113° 57' 20.62"
Photo Direction: 99° E
5451 ft
2/14/2017

Attributes	
Point	99
Unit name	Garnet Mountain
Route: name	
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Camping
Route: Maintenance	Likely if needed
Route: Determination	Road
Feature	Campsite
Feature notes	
Other notes	Exclude this impact

099



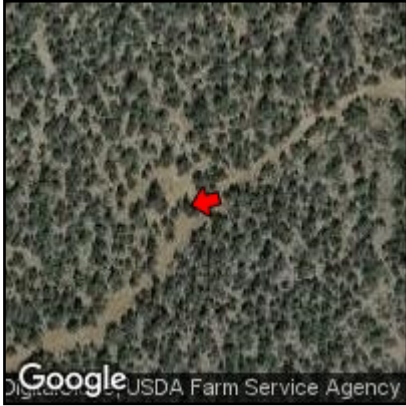
Google
Digital Data by USDA Farm Service Agency




N 35° 46' 07.53"
W 113° 56' 40.08"
Photo Direction: 241° WSW
5609 ft
2/14/2017

Attributes	
Point	100
Unit name	Garnet Mountain
Route: name	
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Camping
Route: Maintenance	Likely if needed
Route: Determination	Road
Feature	Campsite
Feature notes	
Other notes	Exclude this impact

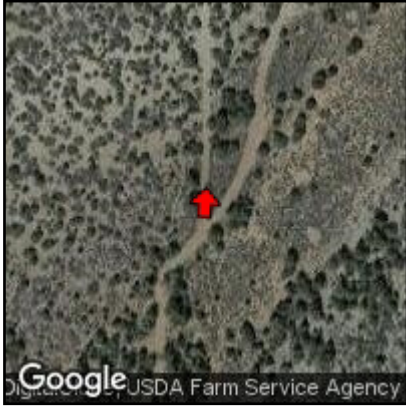
100






Attributes	
Point	101
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Well/Water tanks
Route: Maintenance	Likely if needed
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	Follows fenceline
Other notes	Unit Boundary


101






Attributes	
Point	102
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Well/Water tanks
Route: Maintenance	Likely if needed
Route: Determination	Road
Feature	Tanks
Feature notes	Potentially not in working order
Other notes	Exclude this impact

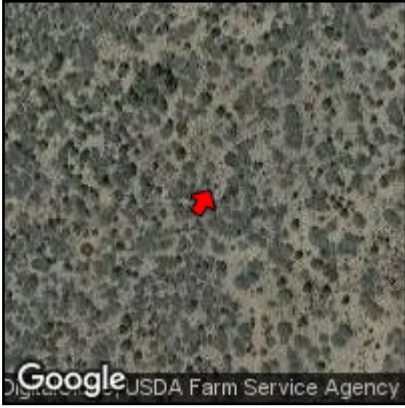
102






Attributes	
Point	103
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	Feature minimally affects naturalness
Other notes	Rogue use past tanks. Boundary follows fence line

103




Google JSDA Farm Service Agency




N 35° 46' 49.42"
W 113° 56' 13.56"
Photo Direction: 31° NNE
5535 ft
2/14/2017

Attributes	
Point	104
Unit name	Garnet Mountain
Route: name	Not Named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	End of use
Feature notes	Feature minimally affects naturalness
Other notes	Boundary follows fence seen on right

104




Google JSDA Farm Service Agency




N 35° 46' 51.59"
W 113° 56' 12.43"
Photo Direction: 359° N
5532 ft
2/14/2017

Attributes	
Point	105
Unit name	Garnet Mountain
Route: name	
Route: Construction	Bladed
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Dirt tank (Topside Reservoir)
Route: Maintenance	Old evidence - 3-5 years ago
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	Dirt tank excluded too.
Other notes	Cherrystem

105



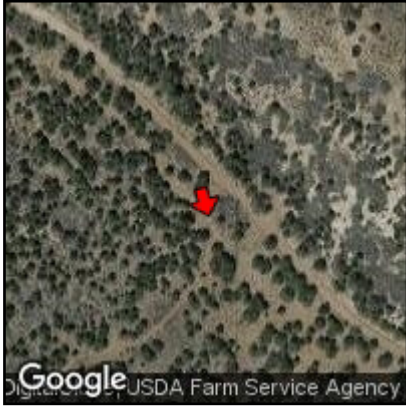

Google JSDA Farm Service Agency



N 35° 47' 54.00"
W 113° 56' 11.72"
Photo Direction: 242° WSW
5475 ft
2/14/2017



Attributes	
Point	106
Unit name	Garnet Mountain
Route: name	Not Named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Ranching/unknown
Route: Maintenance	None
Route: Determination	Way
Feature	Junction of Routes
Feature notes	
Other notes	

106

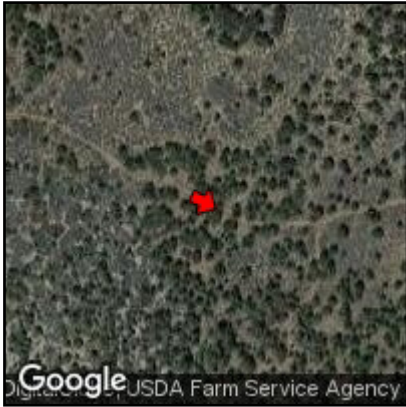

Attributes	
Point	107
Unit name	Garnet Mountain
Route: name	Not Named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Ranching/unknown
Route: Maintenance	
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	Off camber, eroded, vegetated
Other notes	Kept open solely by passage of vehicles

107

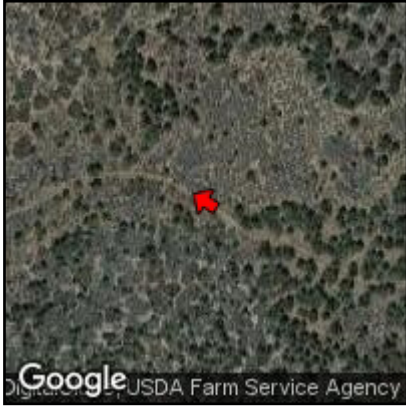

Attributes	
Point	108
Unit name	Garnet Mountain
Route: name	
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Ranching/unknown
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	Extremely off camber ditch
Other notes	Kept open solely by passage of vehicles

108

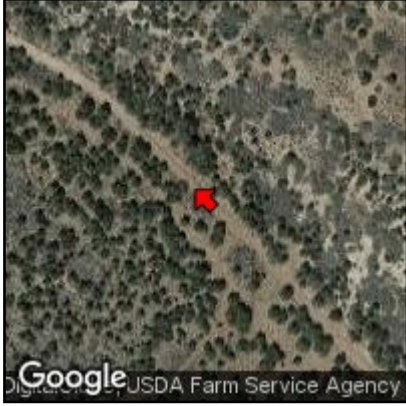

Attributes	
Point	109
Unit name	Garnet Mountain
Route: name	
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Ranching/unknown
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	Worst section of route. Not really passable.
Other notes	Kept open solely by passage of vehicles

109

Attributes	
Point	110
Unit name	Garnet Mountain
Route: name	7027
Route: Construction	Cut and fill
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Multiple uses
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

110

Attributes	
Point	111
Unit name	Garnet Mountain
Route: name	
Route: Construction	
Route: Use	
Route: Purpose	
Route: Maintenance	
Route: Determination	
Feature	Livestock Watering/Feeding station
Feature notes	Boundary turns here & follows buried waterline up to North Tank.
Other notes	Exclude this impact

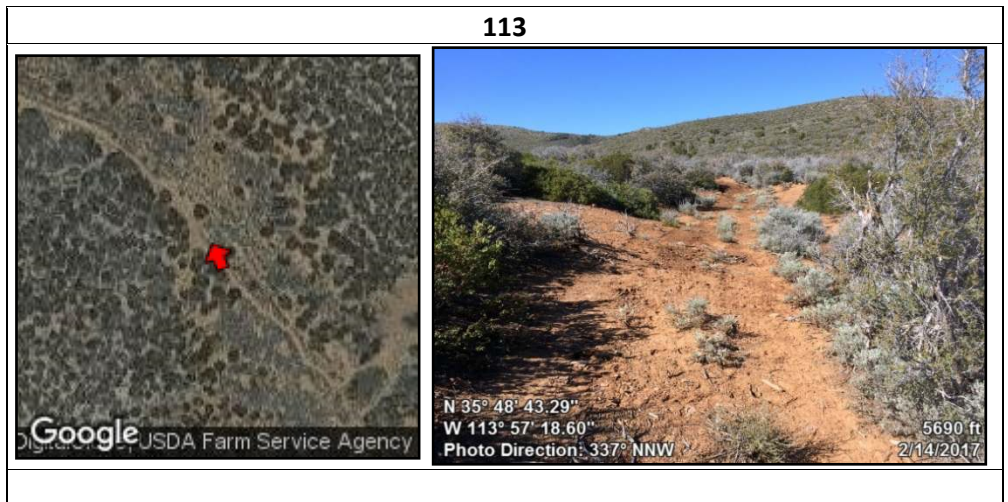
111




Attributes	
Point	112
Unit name	Garnet Mountain
Route: name	
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles, but mostly cattle.
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Overgrown vegetation
Feature notes	Feature minimally affects naturalness
Other notes	Kept open solely by passage of vehicles




Attributes	
Point	112
Unit name	Garnet Mountain
Route: name	
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles, but mostly cattle.
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	Feature minimally affects naturalness
Other notes	Kept open solely by passage of vehicles



Attributes	
Point	114
Unit name	Garnet Mountain
Route: name	
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles, but mostly cattle.
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Erosion
Feature notes	Feature minimally affects naturalness
Other notes	Kept open solely by passage of vehicles

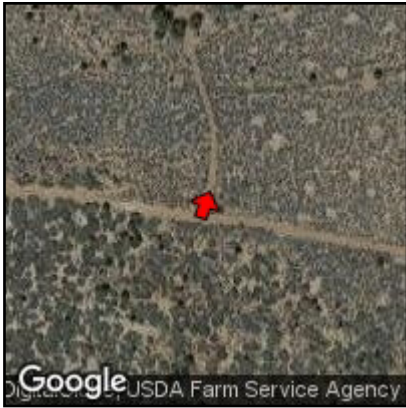

114




N 35° 48' 45.14"
 W 113° 57' 20.72"
 Photo Direction: 296° WNW
 5704 ft
 2/14/2017

Attributes	
Point	115
Unit name	Garnet Mountain
Route: name	
Route: Construction	Bladed
Route: Use	4-WD Trucks
Route: Purpose	Private land access
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary



115

N 35° 48' 21.89"
 W 113° 56' 11.04"
 Photo Direction: 20° NNE
 5490 ft
 2/14/2017

Attributes	
Point	116
Unit name	Garnet Mountain
Route: name	7052
Route: Construction	Bladed
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Multiple uses
Route: Maintenance	Very recent blade - past year
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary


116


N 35° 48' 21.30"
 W 113° 56' 08.37"
 Photo Direction: 100° E
 5482 ft
 2/14/2017

Attributes	
Point	117
Unit name	Garnet Mountain
Route: name	
Route:	
Construction	
Route: Use	
Route: Purpose	
Route:	
Maintenance	
Route:	
Determination	
Feature	Water tanks
Feature notes	
Other notes	Exclude this impact

117



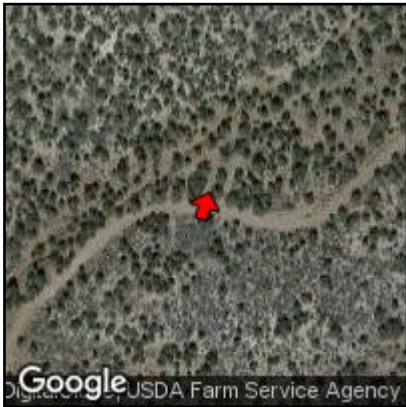
Google JSDA Farm Service Agency




N 35° 48' 25.85"
W 113° 55' 47.18"
Photo Direction: 16° NNE
5456 ft
2/14/2017

Attributes	
Point	118
Unit name	Garnet Mountain
Route: name	
Route:	
Construction	
Route: Use	
Route: Purpose	
Route:	
Maintenance	
Route:	
Determination	
Feature	Campsite
Feature notes	
Other notes	

118




Google JSDA Farm Service Agency




N 35° 48' 51.85"
W 113° 55' 01.82"
Photo Direction: 18° NNE
5354 ft
2/14/2017

Attributes	
Point	119
Unit name	Garnet Mountain
Route: name	7052 (left) & unnamed (right)
Route:	Bladed
Construction	
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Multiple uses
Route:	Semi-recent evidence - 1-3 years ago
Maintenance	
Route:	Road
Determination	
Feature	Junction of Routes
Feature notes	
Other notes	Unit Boundary

119




Google JSDA Farm Service Agency




N 35° 49' 07.51"
W 113° 54' 34.21"
Photo Direction: 271° W
5280 ft
2/14/2017

Attributes	
Point	120
Unit name	Garnet Mountain
Route: name	
Route: Construction	Bladed
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Wildlife Water Catchment
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Cherrystem

120



Google
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N 35° 49' 17.74"
W 113° 54' 44.92"
Photo Direction: 242° WSW
5312 ft
2/14/2017

Attributes	
Point	121
Unit name	Garnet Mountain
Route: name	
Route: Construction	Bladed
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Wildlife Water Catchment
Route: Maintenance	Semi-recent evidence - 1-3 years ago
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Cherrystem

121



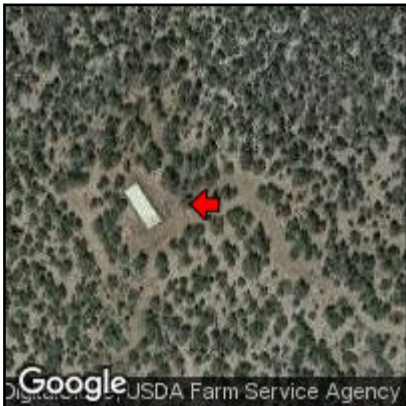
Google
Digitized by USDA Farm Service Agency




N 35° 49' 29.32"
W 113° 55' 08.11"
Photo Direction: 287° WNW
5349 ft
2/14/2017

Attributes	
Point	122
Unit name	Garnet Mountain
Route: name	
Route: Construction	
Route: Use	
Route: Purpose	
Route: Maintenance	
Route: Determination	
Feature	Wildlife Water Catchment
Feature notes	Nicely hidden among PJ woodland. Evidence of elk use!
Other notes	Cherrystem; this impact is excluded.

122




Google
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N 35° 49' 39.68"
W 113° 55' 51.33"
Photo Direction: 272° W
5494 ft
2/14/2017

Attributes	
Point	123
Unit name	Garnet Mountain
Route: name	
Route: Construction	Bladed
Route: Use	Misc. Off Road Vehicles
Route: Purpose	Dirt tank (also excluded)
Route: Maintenance	Likely if needed
Route: Determination	Road
Feature	Typical Condition of Route
Feature notes	
Other notes	Unit Boundary

123




Google JSDA Farm Service Agency




N 35° 49' 39.87"
W 113° 54' 34.89"
Photo Direction: 48° NE
5320 ft
2/14/2017

Attributes	
Point	124
Unit name	Garnet Mountain
Route: name	
Route: Construction	None
Route: Use	None
Route: Purpose	None
Route: Maintenance	
Route: Determination	Natural Wash
Feature	No route
Feature notes	Just a wash
Other notes	Fence blocks access

124



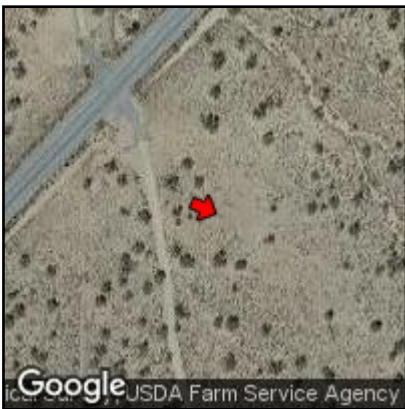
Google JSDA Farm Service Agency




N 35° 52' 03.55"
W 114° 04' 03.66"
Photo Direction: 129° SE
4103 ft
2/14/2017

Attributes	
Point	125
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	None
Route: Use	None
Route: Purpose	None
Route: Maintenance	None
Route: Determination	No way
Feature	No route
Feature notes	No sign of use at all here
Other notes	

125



Google JSDA Farm Service Agency

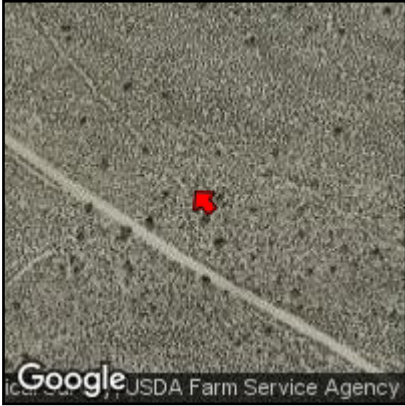


N 35° 52' 00.56"
W 114° 04' 04.21"
Photo Direction: 114° ESE
4122 ft
2/14/2017


Garnet Mountain Proposed LWC

Attributes	
Point	126
Unit name	Garnet Mountain
Route: name	Not named
Route:	None
Construction	
Route: Use	None
Route: Purpose	None
Route:	None
Maintenance	
Route:	No way
Determination	
Feature	No route
Feature notes	Natural landscape
Other notes	

126




Google JSDA Farm Service Agency




N 35° 51' 30.92"
W 114° 03' 40.58"
Photo Direction: 319° NW
4256 ft
2/14/2017

Attributes	
Point	127
Unit name	Garnet Mountain
Route: name	Not named
Route:	None
Construction	
Route: Use	None
Route: Purpose	None
Route:	None
Maintenance	
Route:	No way
Determination	
Feature	No route
Feature notes	Just a small drainage
Other notes	

127




Google JSDA Farm Service Agency




N 35° 51' 33.62"
W 114° 03' 43.60"
Photo Direction: 319° NW
4231 ft
2/14/2017

Attributes	
Point	128
Unit name	Garnet Mountain
Route: name	Not named
Route:	Not constructed
Construction	
Route: Use	None
Route: Purpose	
Route:	None
Maintenance	
Route:	Natural Wash
Determination	
Feature	No route
Feature notes	Natural Wash
Other notes	

128




Google JSDA Farm Service Agency




N 35° 49' 50.49"
W 114° 04' 16.99"
Photo Direction: 65° ENE
4034 ft
2/14/2017

Attributes	
Point	129
Unit name	Garnet Mountain
Route: name	
Route: Construction	
Route: Use	None
Route: Purpose	
Route: Maintenance	None
Route: Determination	Natural Wash
Feature	Natural Wash
Feature notes	
Other notes	



Google JSDA Farm Service Agency

129



N 35° 49' 47.45"
W 114° 04' 14.25"
Photo Direction: 191° S
4045 ft
2/14/2017

Attributes	
Point	130
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Lack of maintenance
Feature notes	Wash route
Other notes	Kept open solely by passage of vehicles




Google JSDA Farm Service Agency

130




N 35° 49' 46.27"
W 114° 04' 11.87"
Photo Direction: 140° SE
4082 ft
2/14/2017

Attributes	
Point	131
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	None
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Reclaimed & unused
Feature	Revegetated/Naturalized
Feature notes	
Other notes	



Google JSDA Farm Service Agency


131




N 35° 49' 43.71"
W 114° 04' 09.90"
Photo Direction: 269° W
4118 ft
2/14/2017

Attributes	
Point	132
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	In wash
Other notes	Kept open solely by passage of vehicles

132




Google JSDA Farm Service Agency




N 35° 49' 43.45"
W 114° 04' 05.56"
Photo Direction: 94° E
4129 ft
2/14/2017

Attributes	
Point	133
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	None
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Reclaimed & unused
Feature	Revegetated/Naturalized
Feature notes	
Other notes	

133




Google JSDA Farm Service Agency




N 35° 49' 39.95"
W 114° 04' 06.60"
Photo Direction: 354° N
4163 ft
2/14/2017

Attributes	
Point	134
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	None
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Reclaimed & unused
Feature	Revegetated/Naturalized
Feature notes	
Other notes	

134




Google JSDA Farm Service Agency




N 35° 49' 41.87"
W 114° 04' 00.90"
Photo Direction: 233° SW
4195 ft
2/14/2017

Attributes	
Point	135
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	None
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Reclaimed & unused
Feature	Revegetated/Naturalized
Feature notes	
Other notes	



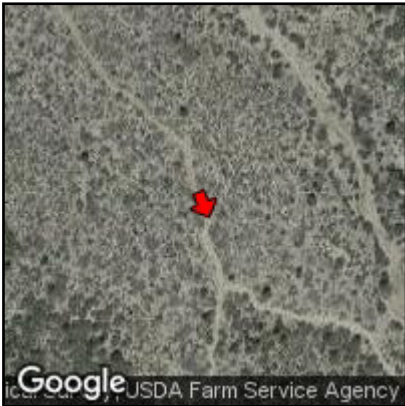
Google JSDA Farm Service Agency

135




N 35° 49' 42.85"
W 114° 03' 58.95"
Photo Direction: 49° NE
4207 ft
2/14/2017

Attributes	
Point	136
Unit name	Garnet Mountain
Route: name	7054
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	Feature minimally affects naturalness
Other notes	Kept open solely by passage of vehicles




Google JSDA Farm Service Agency

136




N 35° 49' 29.78"
W 114° 02' 55.42"
Photo Direction: 157° SSE
4565 ft
2/14/2017

Attributes	
Point	137
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Typical Condition of Route
Feature notes	Narrow corridor
Other notes	Kept open solely by passage of vehicles



Google JSDA Farm Service Agency

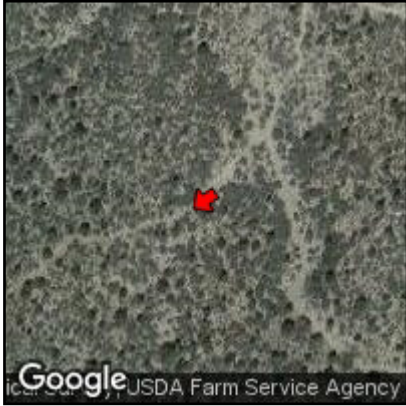
137




N 35° 49' 26.81"
W 114° 02' 55.62"
Photo Direction: 25° NNE
4607 ft
2/14/2017

Attributes	
Point	138
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	Misc. Off Road Vehicles
Route: Purpose	No apparent purpose
Route: Maintenance	
Route: Determination	Way
Feature	Erosion
Feature notes	Slowly reclaiming
Other notes	Kept open solely by passage of vehicles

138



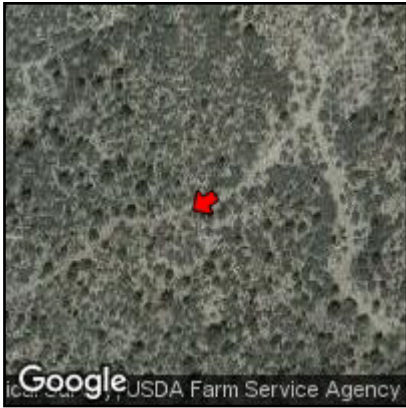
Google JSDA Farm Service Agency




N 35° 49' 25.03"
W 114° 02' 57.10"
Photo Direction: 235° SW
4626 ft
2/14/2017

Attributes	
Point	139
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	Ends here
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Way
Feature	Erosion
Feature notes	Impassable
Other notes	Reclaimed after this point

139




Google JSDA Farm Service Agency




N 35° 49' 24.69"
W 114° 02' 57.98"
Photo Direction: 237° WSW
4641 ft
2/14/2017

Attributes	
Point	140
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	None
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Reclaimed & unused
Feature	Revegetated/Naturalized
Feature notes	
Other notes	

140



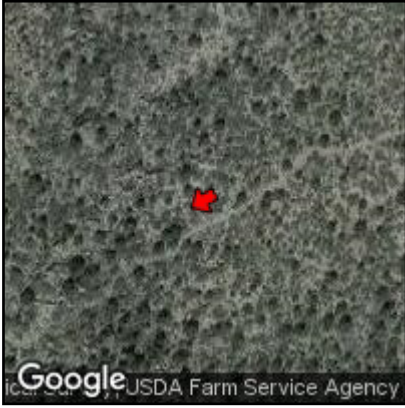
Google JSDA Farm Service Agency




N 35° 49' 23.72"
W 114° 03' 00.65"
Photo Direction: 218° SW
4688 ft
2/14/2017

Attributes	
Point	141
Unit name	Garnet Mountain
Route: name	
Route: Construction	
Route: Use	
Route: Purpose	
Route: Maintenance	
Route: Determination	
Feature	Old way
Feature notes	Cannot detect old route on hillside
Other notes	

141



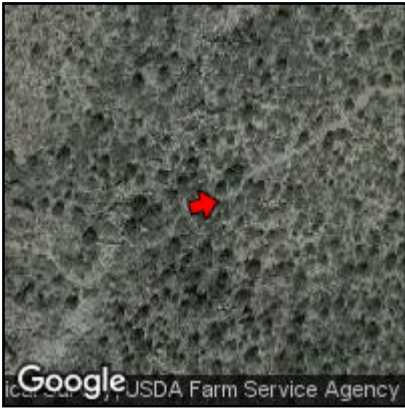
Google JSDA Farm Service Agency




N 35° 49' 23.65"
W 114° 03' 01.72"
Photo Direction: 239° WSW
4702 ft
2/14/2017

Attributes	
Point	142
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	None
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Reclaimed & unused
Feature	Revegetated/Naturalized
Feature notes	
Other notes	

142



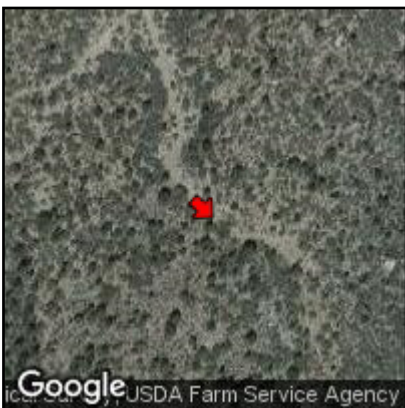
Google JSDA Farm Service Agency




N 35° 49' 22.67"
W 114° 03' 02.93"
Photo Direction: 75° ENE
4708 ft
2/14/2017

Attributes	
Point	143
Unit name	Garnet Mountain
Route: name	Not named
Route: Construction	No evidence/user-created
Route: Use	No sign observed
Route: Purpose	No apparent purpose
Route: Maintenance	None
Route: Determination	Reclaimed starting here
Feature	Revegetated/Naturalized
Feature notes	
Other notes	

143



Google JSDA Farm Service Agency



N 35° 49' 22.84"
W 114° 02' 54.72"
Photo Direction: 132° SE
4656 ft
2/14/2017