

To: Matthew Betenson[mbetenso@blm.gov]
From: Ginn, Allison
Sent: 2017-04-24T13:42:28-04:00
Importance: Normal
Subject: Fwd: Draft Determinations - Upper Kanab Creek Subunits A-F
Received: 2017-04-24T13:42:54-04:00
[GSENM UpperKanabCreek LWCFForm Draft041017.pdf](#)

Matt-

I did not receive any comments on the Upper Kanab Creek forms, except for some questions from Cameron. I do need clarification on the Lone Pine Point route (south of private) evaluation and the narrative that Lora drafted and sent two comments to you in Google Drive, hoping that you can tag someone on the ID team to respond.

Once those questions are addressed, I can send you a final packet to give to Cindy. Give me a call with any questions.

Cameron is the only ID team member to suggest edits for Timber Mountain to date- the rest of the team has through this Friday. Thanks!

Regards,

Allison Ginn
National Conservation Lands Program Lead
BLM Utah State Office
801-539-4053

----- Forwarded message -----

From: Ginn, Allison <aginn@blm.gov>
Date: Mon, Apr 10, 2017 at 3:55 PM
Subject: Draft Determinations - Upper Kanab Creek Subunits A-F
To: Cameron McQuivey <cmcquive@blm.gov>, Jeffrey Beal <jbeal@blm.gov>, Susan Morgan <smorgan@blm.gov>, "Stevenson, Robert" <bstevens@blm.gov>, James Bradshaw <jbradshaw@blm.gov>, Matthew Betenson <mbetenso@blm.gov>, Raymond Brinkerhoff <rbrinker@blm.gov>, "Staszak, Cynthia" <cstaszak@blm.gov>, Paul Leatherbury <pleather@blm.gov>
Cc: "Anderson-Gale, Lora" <landersongale@blm.gov>, Aaron Curtis <acurtis@blm.gov>, Emily Boivin <eboivin@blm.gov>

Team-

Attached is a draft PDF of the Forms 1 & 2, route evaluations and the photo log for the Upper Kanab Creek Unit.

I need GSENM to confirm two things- that the setback for Johnson Canyon Road should be 33 ft. from centerline and also to determine whether or not Glendale Bench Road is under a ROW to Kane County.

All working files are located in Drive:

Upper Kanab Creek Unit

Files are also on the server:

here: \\blm\dfs\ut\loc\GisData\ut\gs\projects\Wilderness\WildernessCharacteristicsInventory_2016\UpperKanab Creek_2016

I'm sure there is room for improvement and want to ensure that I correct any errors.

Based on my conversations with Matt, I would

appreciate

any comments back by 4/21

and prefer any comments to be made directly into the relevant Drive document or documented by email. If comments are copious, I am happy to set up a conference call.

I will set up a call with Paul to go over GIS data changes in the next week or so- I'm sure that his cartographic skills far exceed the placeholder maps I made for your review.

Regards,

Allison Ginn
National Conservation Lands Program Lead
BLM Utah State Offi
801-539-4053

Summary of Analysis*

Area Unique Identifier: Upper Kanab Creek (UT-040-255) Subunits A-F

Summary

Results of analysis:

(Note: explain the inventory findings for the entirety of the inventory unit. When wilderness characteristics have been identified in an area that is smaller than the size of the total inventory unit, explain why certain portions of the inventory unit are not included within the lands with wilderness characteristics (e.g. the inventory found that certain parts lacked naturalness).

Subunit	Size	Naturalness	Solitude or Primitive/Unconfined Recreation	Supplemental Values	Acres with Wilderness Characteristics	Acres without Wilderness Characteristics
A	Y	Y	Y	Y	3,091	39
B	Y	Y	Y	Y	363	0
C	N	N/A	N/A	N/A	0	1.3
D	N	N/A	N/A	N/A	0	731
E	Y	Y	Y	Y	4,445	0
F	N	N/A	N/A	N/A	0	132

Prepared by (team members):

Lora Anderson-Gale, Jabe Beal, Ken Bradshaw, Raymond Brinkerhoff, Allison Ginn, Cameron McQuivey, Sue Morgan, Bob Stevenson
(Name, Title, Date)

Reviewed by (District or Field Manager):

Signature

Name: Cindy Staszak **Title:** Grand Staircase-Escalante Monument Manager

Date:

* This form documents information that constitutes an inventory finding on wilderness characteristics. It does not represent a formal land use allocation or a final agency decision subject to administrative remedies under either 43 CFR parts 4 or 1610.5-3.

FORM 1

Documentation of BLM Wilderness Characteristics Inventory Findings from Previous Inventory on Record

The Upper Kanab Creek unit (UT-040-255) was recommended for intensive inventory as potential Wilderness Study Areas in 1979. The Initial Inventory Findings released in April 1979 stated, "This unit [UT-040-255] includes the upper portion of Kanab Creek and the White Cliffs which possess wilderness characteristics. Range developments and ways in the unit have not significantly impaired naturalness. An intensive inventory is needed to determine if the unit meets all of the Wilderness Study Area criteria. This unit is recommended for intensive inventory."

In August of 1979, after review of public comments, approximately 59,293 acres in UT-040-255 were again recommended for intensive inventory. The document states, "most of the comments identified the intrusions which have already been documented in the Situation Evaluation. Some of the comments contend that these intrusions sufficiently impair the naturalness of the entire unit, and it is therefore lacking in wilderness characteristics. Other comments state that a large portion of the unit is natural, and that the intrusions which were recognized were minor and did not impair naturalness. It is recommended that this unit undergo Intensive Inventory to correctly identify the extent of these intrusions and their impact upon the naturalness of the unit."

An intensive inventory was completed in 1980 and summarized as thus:

UNIT NO.: UT-040-255

UNIT NAME: UPPER KANAB CREEK UNIT ACREAGE: 61,430

1. AREA DESCRIPTION: This unit lies east of US-89 and south and east of the towns of Orderville and Glendale in Kane County. Johnson Canyon road on the east and the road on John R. Flat on the south make up the boundary.

2. WILDERNESS CHARACTERISTICS:

A. SIZE: The unit contains 61,430 acres of public land and encloses approximately 5,760 acres of state land and 2,400 acres of private land.

B. NATURALNESS: A portion of the unit appears to be affected primarily by the forces of nature. The unit boundary was adjusted to legal subdivisions in accordance with OAD 78-61 (Wilderness Inventory Handbook), Change 2, (p. 5) to exclude non-natural areas when cumulative effects were present and it was impossible to relocate the boundary to the physical edge of any one imprint.

Large areas of the unit have been impacted by off-road vehicle use resulting in numerous trails and ways which cumulatively impair naturalness. This is particularly apparent on the benches above the White Cliffs, the area south of Red Canyon, and the northern portion of John R. Flat.

The White Cliffs and a portion of Kanab Creek are contained within the 42,210 public land acres possessing naturalness in the unit.

C. OUTSTANDING OPPORTUNITIES:

1. SOLITUDE: The White Cliffs divide the unit into two separate sections: the upper Glendale Bench and Skutumpah Terrace; and the lower Sand Hills and John R. Flat. Both sections offer opportunities for solitude which are limited by relatively flat terrain and open vegetative cover. Opportunities for solitude are better along the base of the White Cliffs and in the canyons cut into the cliff line. Canyons within the unit are not extensive and with the exception of Kanab Creek are short. The large canyons (Kanab, Brown, and Swapp) are wide and open, while the remaining cliff line has limited topographic screening. The opportunity for avoiding contact with others in the unit, while not completely absent, is limited.

2. PRIMITIVE AND UNCONFINED RECREATION: While the unit offers primitive and unconfined recreational opportunities they cannot be considered outstanding. Opportunities for hiking and backpacking are limited in both variety and challenge. Other activities are similarly lacking in quality.

D. SUPPLEMENTAL VALUES: The portion of White Cliffs found in the unit is highly scenic and colorful. In addition, there is evidence of volcanic activity (lava flows) found in Kanab Creek.

The BLM did not identify the Upper Kanab Creek as a Wilderness Study Area. The rationale for the decision to exclude the area from being carried forward as a Wilderness Study Area was that “a portion of the unit (42,210 acres) possess naturalness but does not possess outstanding opportunities” and that “The unit lacks both variety and challenge in [primitive recreational] activities and, therefore, opportunities are not outstanding”.

The 1999 Utah Wilderness Inventory (UWI) considered “proposed legislation before Congress (HR 1500 and HR 1745) to identify areas for examination” (BLM 1999, p. vii). During the 1999 inventory process, BLM inventoried both federal and state lands. As part of this inventory process, in 1998 the BLM inventoried the Upper Kanab Creek area and determined that approximately 42,400 acres of BLM-administered surface contained wilderness characteristics. This determination is described as the BLM Upper Kanab Creek Wilderness Inventory Area (WIA) in the *1999 Utah Wilderness Inventory*. The 1999 UWI also determined that, “[a]bout 48,000 acres [42,100 acres BLM; 5,900 acres SITLA] of the Upper Kanab Creek inventory unit possess wilderness characteristics. Outstanding opportunities for solitude and primitive and unconfined recreation abound. The unit also contains exceptional scenery and geological values. However, there are approximately 310 acres [300 acres BLM; 10 acres SITLA] along the boundary of the unit that do not possess wilderness characteristics. These areas have either been chained and seeded, contain developments serving the needs of local communities, or have been significantly marred with trails created by all-terrain vehicles (ATVs) and off-highway vehicles (OHVs) (BLM 1999, p. 36).”

The BLM received numerous public comments on the 1999 UWI. As a result, most field offices released revisions to the 1999 UWI. In general, the revisions include edits due to mapping

improvements and corrections, exclusion of State lands and small contiguous BLM-administered parcels, changes in the status of a cherry-stemmed route or changes in wilderness character findings. The Kanab Field Office issued revisions to the 1999 Inventory for the portions of the Upper Kanab Creek units in their administrative boundaries in September 2004. Five changes to the 1999 UWI include:

- A. A water tank and associated structures in Red Hollow were initially overlooked during the inventory. The structures provide culinary water to the town of Orderville. The area, approximately 5.5 acres in size has been excluded from the area with wilderness character.
- B. An area approximately 16 acres in size that was initially isolated by a power line and excluded from the area with wilderness character, has been included in the WC area. The power line identified as the boundary was noted as not crossing the inventory area at this site.
- C. An area approximately 425 acres in size has been excluded from the area with wilderness character because of a mapping error that did not place a power line ROW in its proper location. The power line excludes this parcel near Mt. Carmel Jct.
- D. A cherry-stem route near Johnson Canyon was determined to be a way. The cherry-stem has been removed.
- E. The boundary has been adjusted along an access road to a radio and microwave tower to correct a mapping error

The total revised acres with wilderness characteristics in the Upper Kanab Creek unit noted in the Kanab Field Office Revisions to the 1999 UWI is 41,030 acres.

GSENM did not issue any revisions for the portion of the Upper Kanab Creek unit within their administrative boundaries.

The Southern Utah Wilderness Association submitted information to the BLM Kanab Field Office on June 24, 2005 suggesting that BLM should incorporate additional lands in areas adjacent to the Upper Kanab Creek unit. The Kanab Field Office prepared a *Wilderness Characteristics Review* that determined that wilderness characteristics exist on approximately 3,740 acres in 10 distinct areas adjacent to the 1999 Inventory Unit.

The Southern Utah Wilderness Association (SUWA) submitted new information to GSENM on May 17, 2010 suggesting the presence of wilderness characteristics on additional lands in the Upper Kanab Creek area.

The overall Upper Kanab Creek unit includes lands managed by both GSENM and the Kanab Field Office. Approximately 5,200 acres of lands with wilderness characteristics occur within GSENM. GSENM has also documented the absence of wilderness characteristics on approximately 240 acres.

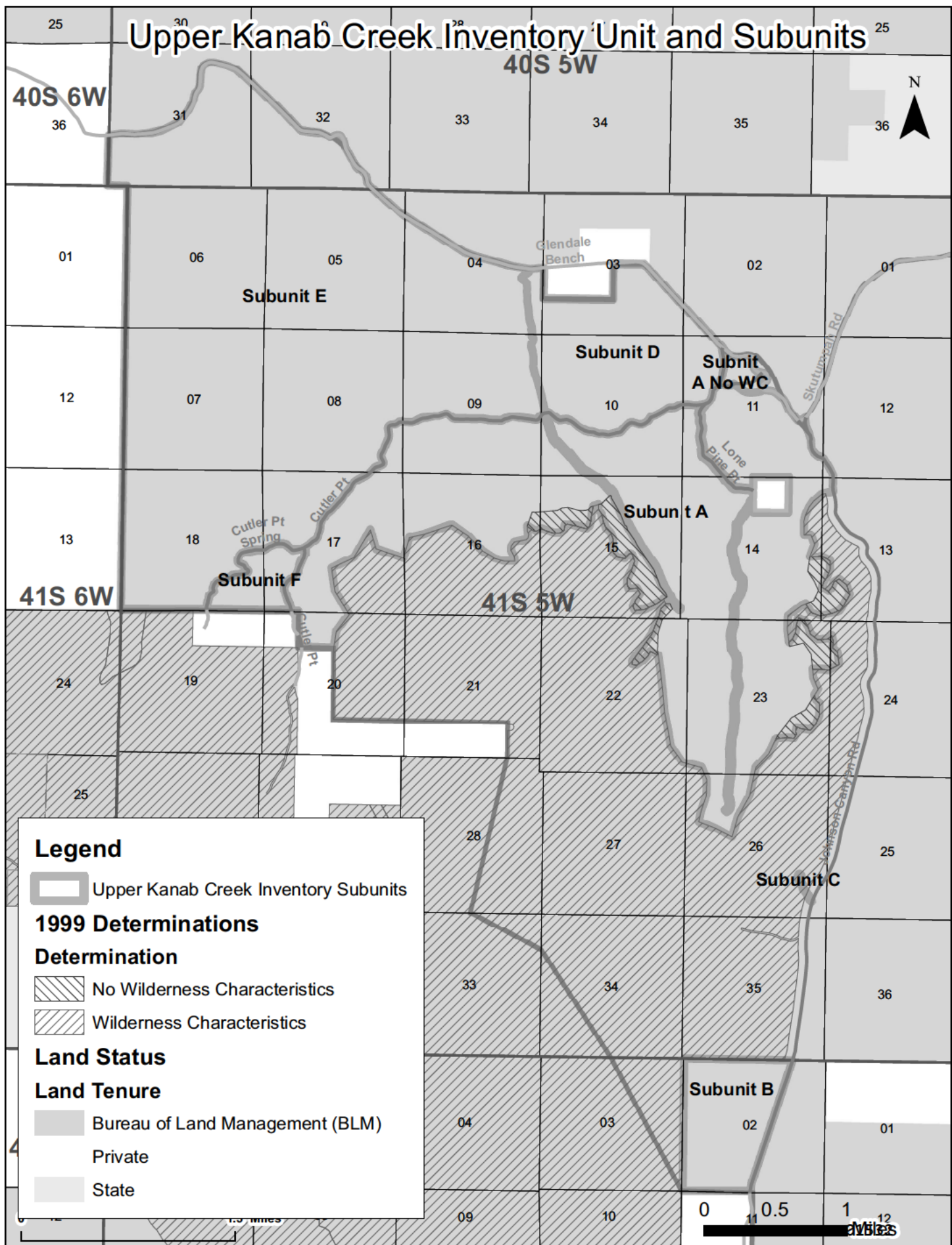
In June of 2016, Grand Staircase-Escalante National Monument (GSENM) initiated an inventory of lands contiguous to the existing Upper Kanab Creek lands with wilderness characteristics unit in order to update agency determinations regarding the presence or absence of wilderness characteristics on lands that are within GSENM. BLM lands administered by the Kanab Field Office are not included in this effort.

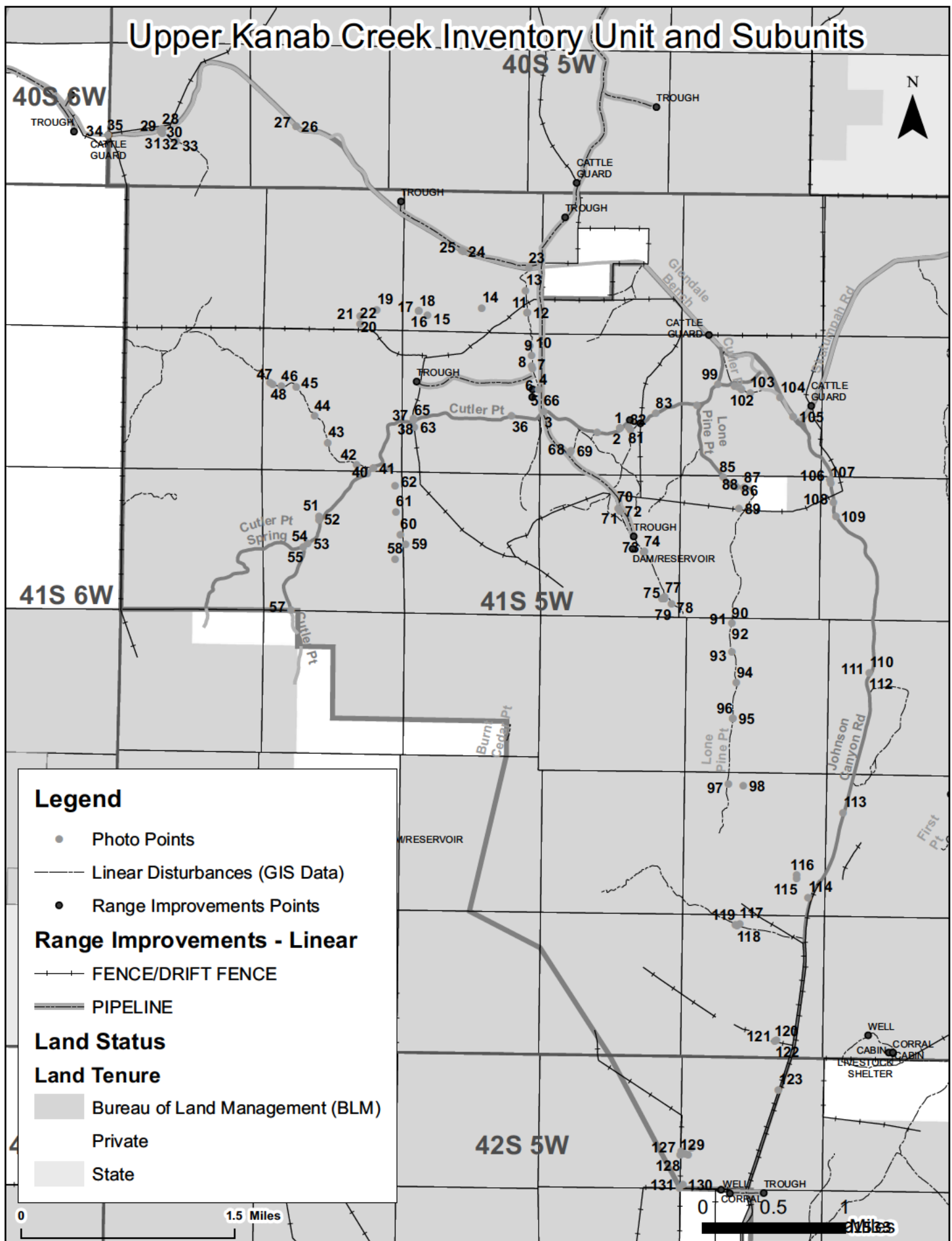
1. Is there existing BLM wilderness characteristics inventory information on all or part of this area?No ☐ (Go to Form 2)Yes ☒ (If yes, and if more than one area is within the area, list the unique identifiers for those areas.):**a) Inventory Source:** 1999 Utah Wilderness Inventory**b) Inventory Area Unique Identifier(s):** Upper Kanab Creek Unit**c) Map Name(s)/Number(s):** See maps in Form 2**d) BLM District(s)/Field Office(s):** GSENM and Kanab Field Office**2. BLM Inventory Findings on Record:**

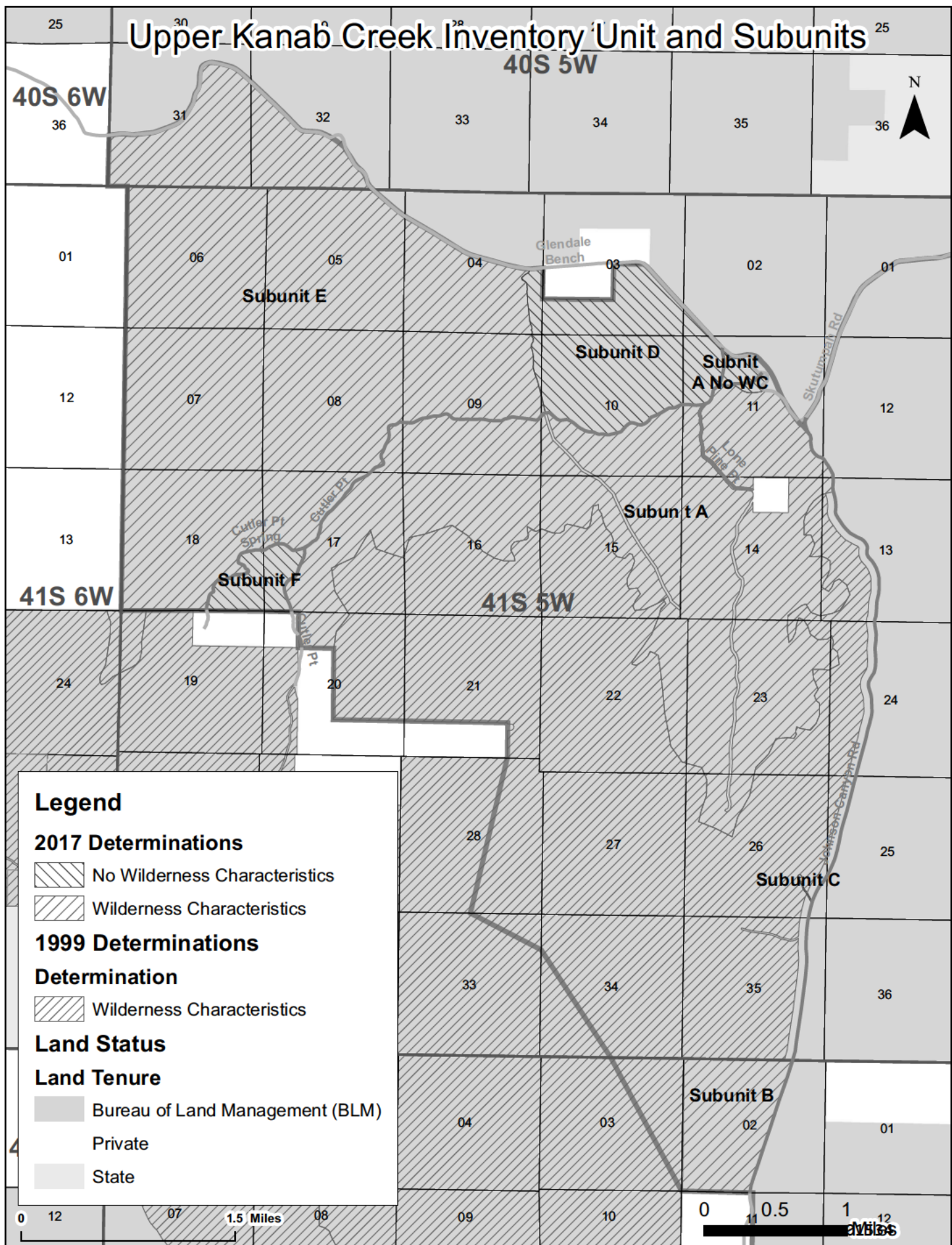
Existing inventory information regarding wilderness characteristics (if more than one BLM inventory area is associated with the area, list each area and answer each question individually for each inventory area):

Inventory Source: 1999 Utah Wilderness Inventory, as revised

<i>Area Unique Identifier (UT-040-255)</i>	<i>Sufficient Size? Yes/No (acres)</i>	<i>Naturalness? Yes/No</i>	<i>Outstanding Solitude? Yes/No</i>	<i>Outstanding Primitive & Unconfined Recreation? Yes/No</i>	<i>Supplemental Values? Yes/No</i>
<i>Upper Kanab Creek Unit</i>	<i>Yes (~5,200 acres within GSENM; additional contiguous lands managed by KFO) totaling 48,400 acres</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes</i>	<i>Yes-Wildlife & Geologic</i>







Current Conditions: Presence or Absence of Wilderness Characteristics (Form 2)

Analysis was completed for BLM-administered lands that were adjacent to the 1999 Utah Wilderness Inventory unit for Upper Kanab Creek (UT-040-255) between the Glendale Bench Road, Johnson Canyon Road, and private lands to the south and west. In total, BLM considered the presence or absence on approximately 8,805 acres of surface. These lands were subdivided into six subunits as described below.

(If the inventory area consists of subunits, list the acreage of each and evaluate each separately).

Area Unique Identifier: Upper Kanab Creek (UT-040-255) Subunit A

Acreage: Approximately 3,130 acres (contiguous with approximately 48,400 acres of identified lands with wilderness characteristics managed by GSENM and Kanab Field Office)

(1) Is the area of sufficient size? ☒ Yes ☐ No

Description (describe the boundaries of the area--wilderness inventory roads, property lines, etc.

The initial inventory boundary was delineated by GSENM major travel plan routes and private lands boundaries. Subunit A consists of BLM-administered surface north of the existing Upper Kanab Creek unit (1999 UWI) in T41S R5W in portions of sections 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 20, 22, 23, 24, and 26. Johnson Canyon/Glendale Bench road forms the eastern boundary of the unit and Cutler Point Road (#601) forms the northern boundary of the unit (see attached map and route evaluation form). Manual 6310 directs, “[d]eveloped rights-of-way (ROW) are treated like other impacts, and the boundary should be drawn to exclude those ROWs”. For consistency with Manual 6310, Subunit A’s boundary is a 33-ft setback from centerline from the Johnson Canyon Road to account for the developed ROW held by Kane County (UTU-055664). The unit boundary excludes any private or non-federal lands.

Note: The 1999 wilderness inventory of the Upper Kanab Creek unit used a 300-ft. setback along Johnson Canyon Road; current guidance (Manual 6310) is to use the edge of disturbance or the edge of a developed ROW.

Subunit A adjoins BLM lands of a similar appearance to the west. These lands were determined to possess wilderness characteristics in the 1999 Utah Wilderness Inventory (Upper Kanab Creek/UT-040-255). The northern boundary of the 1999 wilderness inventory unit was generally based on historic vegetation treatments, which have naturally reclaimed. Field visits verified that the southern boundary of Subunit A is not defined by a wilderness inventory road or other substantially noticeable man-made feature; the Upper Kanab Creek Subunit A is thus contiguous with the lands with wilderness characteristics unit identified in the 1999 Utah Wilderness Inventory (UT-040-255; 48,400 acres). We will refer to this portion of the unit as the Subunit A for the remainder of the document.

On June 22-23, 2016 the team visited Subunit A and assessed the status of routes, historic vegetation treatments, and other impacts to naturalness within the area. During field evaluation the interdisciplinary team determined that several routes meet the definition of a wilderness

inventory road (see route evaluation forms and attached map). These roads have been excluded from the unit boundary. Cherry-stemmed routes include the Lone Pine Point Road/#602 (See both Route Evaluation Forms - *Road #602*) from the intersection of Cutler Point Road to where it meets the private land boundary in Section 14 NW $\frac{1}{4}$ NE $\frac{1}{4}$ and south of the private land to its terminus on the cliff edge at Pine Point. A second cherry-stemmed route leads south off Cutler Point Road (Route Evaluation Form - *Pipeline Road to Stock Pond and Trough*) to a stock pond and water trough in Section 15. This route contains a buried water pipeline and is maintained for permittee use and access.

Subunit A possesses sufficient size (3,130 acres) in association with the contiguous acreage found to possess wilderness characteristics in earlier inventories (48,400 acres).

(2) Does the area appear to be natural? ☒ Yes ☐ No ☐ N/A

Description (include land ownership, location, topography, vegetation, and summary of major human uses/activities)

Subunit A is located on BLM lands managed by GSENM and is accessible from the Johnson Canyon and Glendale Bench roads, approximately 26 miles east of Kanab. The overall character of the inventoried lands appears natural to the casual observer. The area consists of high desert plateau on the north end of the unit which then transitions to Navajo Sandstone cliffs with intermittent washes throughout. Cliffs and mesas offer expansive scenic views of the White Cliffs of the Pansugaunt Plateau. Vegetation consists mainly of pinyon-juniper forest, scrub oak, and sagebrush intermixed with grasses, shrubs and cacti.

Limited evidence of human use exists within Subunit A and is generally concentrated around the boundary roads used for dispersed parking, camping or use by livestock permittees. There was very little evidence of cross country vehicular travel within the unit. Evidence of human modification of the landscape includes impacts from past vegetation treatments including chaining, use of mechanical bullhog in some locations, and post and firewood cutting. The evidence of such uses has faded and are now substantially unnoticeable to the casual observer due to filling in of sagebrush and grasses. Livestock management facilities include a buried water pipeline; a stock tank; fencing and one visible user-created two-track route. These are also substantially unnoticeable and easily blend into the sagebrush. Several two-tracks that appeared on older maps are not visible today due to natural revegetation. In addition to the field checks undertaken by the interdisciplinary team, staff members familiar with the area were queried as to the presence (or lack thereof) of impediments to naturalness as defined by Manual 6310. The information provided consisted primarily of information on historic vegetation treatments and range improvements present in the area.

Based on two field evaluations, the interdisciplinary team concluded that the presence of the section of Lone Pine Point designated as open in the GSENM Travel Plan that extends to the private parcel as well as the segment of the Lone Pine Point route below the private parcel in Section 14 constitutes a substantial impact on apparent naturalness. Thus, this entire route is identified as a wilderness inventory road extending to the cliff edge at Lone Pine Point (located in portions of T41S R5W Sections 11, 14, 23 and 26), and is excluded ("cherry-stemmed") from the portion of the unit that contains naturalness. In addition, a second wilderness inventory route

was identified along a stock water access route extending south off Cutler Point Road containing a buried water pipeline leading to a stock pond in T41S R5W Sections 2 and 15. Due to occasional maintenance of the buried water pipeline and evidence of original construction of the route, field evaluations determined this route has a substantial impact on naturalness, hence it was also excluded from the portion of the inventory area that contains naturalness.

Field evaluation also revealed that although the segment of the historic Glendale Bench route in the northern corner of the inventoried area is no longer maintained and not designated as open for motorized use in the GSENM travel plan (and thus does not meet the definition of wilderness inventory road), the presence of the historic route constitutes a substantial impact on apparent naturalness. The route was constructed using a cut-and-fill method and the road bed is readily noticeable to the average visitor. Thus, the lands within GSENM between the historic Glendale Bench route and the Cutler Point Road (Section 11) have been excluded from the portion of the Subunit A that contains naturalness, resulting in the removal of approximately 39 acres from the lands that contain wilderness characteristics.

To the average visitor, the imprints of human activity are minor and the remainder of Subunit A appears to exist in a natural state. In total, 3,091 acres are assessed for outstanding opportunities for solitude or primitive and unconfined recreation.

(3) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for solitude?

☒ Yes ☐ No ☐ N/A

Description (describe the area's outstanding opportunities for solitude):

The portion of the Upper Kanab Creek Subunit A (UT-040-255-A) managed by GSENM is used primarily for grazing activities and recreational use. It generally possesses the same outstanding opportunities for solitude documented on contiguous lands with wilderness characteristics due to the rugged terrain, vegetative screening and remoteness of the area. The rolling topography of the mesas drops gently towards the south, ending abruptly at canyons and cliffs with no defined trails or open roads. The GSENM portion of the Upper Kanab Creek unit lies adjacent to the central core of the Upper Kanab Creek, managed by the Kanab Field Office. The overall unit contains topographic buffers for recreational users exploring the mesas and canyons extending east within the GSENM portion of the UT-040-255.

(4) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for primitive and unconfined recreation? ☒ Yes ☐ No ☐ N/A

Description (describe the area's outstanding opportunities for primitive and unconfined recreation):

The area generally contains the same recreational activities noted in the 1999 inventory for contiguous lands with wilderness characteristics. Opportunities include hiking, backpacking,

horseback riding, hunting, and dog walking. Most recreational users access the area from dispersed camp sites and dispersed parking located along Johnson Canyon Road, Cutler Point Road, Pine Point Road or Swapp Canyon. In general, visitors walk or horseback ride cross country to access cliffs and mesas offering spectacular views. The unit's rugged cliffs, canyons and mesas front and adjoin the central section of the Upper Kanab Creek Unit, featuring a striking geologic escarpment known as the White Cliffs. The White Cliffs are visible from a distance and form one of the principal steps in the "Grand Staircase" of the Monument.

(5) Does the area have supplemental values (ecological, geological, or other features of scientific, educational, scenic or historical value)? ☒ Yes ☐ No ☐ N/A

Description:

Geologic: The Upper Kanab Creek unit was identified in the original inventory as having exceptionally scenic values related to the Navajo Sandstone escarpment of the White Cliffs. Subunit A also offers outstanding panoramic views for recreational users to the north and east, as well as scenic views for those traveling Johnson Canyon Road and along the Glendale Bench Road.

Wildlife: The original inventory also identified that the Upper Kanab Creek unit provides critical winter range for the Paunsagant deer herd. Subunit A encompasses habitat for this herd.

Area Unique Identifier: Upper Kanab Creek (UT-040-255) Subunit B

Acreage: Approximately 363 acres (contiguous with approximately 48,400 acres of identified lands with wilderness characteristics managed by GSENM and Kanab Field Office)

(1) Is the area of sufficient size? ☒ Yes ☐ No

Description (describe the boundaries of the area--wilderness inventory roads, property lines, etc.

The Upper Kanab Creek Subunit B adjoins BLM lands of a similar appearance to the north and west which were determined to possess wilderness characteristics in the 1999 Utah Wilderness Inventory (Upper Kanab Creek/UT-040-255). The lands within Subunit B were administered by the State of Utah at the time of the 1999 Utah Wilderness Inventory and have since been acquired by the BLM. This parcel has never been inventoried for the presence or absence of wilderness characteristics and is now within the administrative boundaries of GSENM.

Field visits verified that the northern and western boundaries of Subunit B are not defined by a wilderness inventory road or other substantially noticeable man-made feature; the Upper Kanab Creek Subunit B is thus contiguous with the Upper Kanab Creek lands with wilderness characteristics unit identified in the 1999 Utah Wilderness Inventory. We will refer to this portion of the unit as the Subunit B for the remainder of the document.

This parcel is located in T42S R5W Section 2 and is south and east of the existing Upper Kanab Creek unit (1999 Utah Wilderness Inventory) . Johnson Canyon Road forms the eastern boundary of the unit. Private lands form the southern boundary of the unit (see attached map). Manual 6310 directs, “[d]eveloped rights-of-way (ROW) are treated like other impacts, and the boundary should be drawn to exclude those ROWs”. For consistency with Manual 6310, Subunit B’s boundary is a 33-ft setback from the Johnson Canyon Road to account for the developed ROW held by Kane County (UTU 55664). The unit boundary excludes any private or non-federal lands.

Note: The 1999 wilderness inventory of the Upper Kanab Creek unit used a 300-ft. setback along Johnson Canyon Road; current guidance (Manual 6310) is to use the edge of disturbance or the edge of a developed ROW.

GSENM staff visited the unit on June 23, 2016. During field evaluation the interdisciplinary team determined that there are no vehicle routes within Subunit B that meet the definition of a wilderness inventory road.

The subunit possesses sufficient size in association with the contiguous acreage found to possess wilderness characteristics in earlier inventories.

(2) Does the area appear to be natural? ☒ Yes ☐ No ☐ N/A

Description (include land ownership, location, topography, vegetation, and summary of major human uses/activities)

Evidence of human modification of the landscape includes a water bar maintained by Kane County on the western boundary of the unit where it parallels Johnson Canyon Road and evidence of historic farming practices. The Kane County ROW (UTU-55664) for Johnson Canyon Road is 66 feet (33ft. from centerline). The waterbar was not felt to impact naturalness to the interdisciplinary team and the boundaries were drawn to the edges of the Kane County Highway ROW. Cross-country ATV use was once prevalent in this area but has been prohibited since Monument designation and heavily tracked areas are substantially unnoticeable today. On June 23, 2016, team members visited subunit B and walked the south and west sides of the subunit. Although aerial photos indicate evidence of past chaining or vegetation removal, grasslands and shrubs with interspersed sage have hidden prior human modification and the landscape appears to exist in a natural state from the perspective of the casual observer.

To the average visitor, Subunit B appears to exist in a largely natural state. Evidence of past farming practices is present, but there are no major impacts to apparent naturalness from the perspective of the casual observer or average visitor. In addition to the field checks undertaken by the ID team, additional staff members familiar with the area were queried as to the presence (or lack thereof) of impediments to naturalness as defined by Manual 6310. The information provided consisted primarily of information on past vegetation treatments present in the area. Although the area lacks ecological integrity, it does contain apparent naturalness as there were no discernible or distinct divisions that would separate Subunit B from the portion that has been determined to contain naturalness.

(3) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for solitude?

☒ Yes ☐ No ☐ N/A

Description (describe the area's outstanding opportunities for solitude):

The GSENM portion of the Upper Kanab Creek unit (UT-040-255) is used primarily for grazing activities and recreational use. Although Subunit B is impacted by the sounds of vehicles traveling on Johnson Canyon Road on the eastern edge and potentially from human activities on the private parcel lying on the southern boundary, vegetative screening is available on both sides of the immediate western and northern boundaries of the parcel. Thus, the sights and sounds are not omnipresent nor pervasive.

(4) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for primitive and unconfined recreation? ☒ Yes ☐ No ☐ N/A

Description (describe the area's outstanding opportunities for primitive and unconfined recreation): A visitor to Subunit B would access this area from the northern and western mesa edges or from Johnson Canyon Road, which is currently popular for dispersed camping and

hiking access on the adjoining Upper Kanab Creek unit. Subunit B is bounded by a mesa front on the northwestern corner of the boundary that adjoins the larger Upper Kanab Creek unit. Dispersed, undeveloped recreational activities currently occurring in proximity on other inventoried lands include hiking and dispersed camping as well as horseback riding, hunting, and dog walking. Most recreational users access the area from dispersed campsites and parking located to the north along Johnson Canyon Road. Most visitors walk or horseback ride cross-country to access the sandstone outcrops, and higher cliffs and mesas offering spectacular views of the rest of the unit. Assessed in combination with the contiguous adjoining mesas and woodlands of the Upper Kanab Creek unit on the north and western edge, this area offers juniper woodland groves for camping as well as potential access for day-hikers and equestrian users accessing from Johnson Canyon Road. Given the popularity of the dispersed campsites along Johnson Canyon Road, this area offers the potential for flat campsites and hiking access to the adjoining sandstone mesas and canyons, hence supporting primitive and unconfined recreation opportunities. *Note: Currently the presence of fencing along Johnson Canyon Road may give some users the false impression that the area is not publicly accessible. Improved agency identification and signage as well as allowance for trailhead parking is anticipated to facilitate access to the area in the future.*

(5) Does the area have supplemental values (ecological, geological, or other features of scientific, educational, scenic or historical value)? ☒ Yes ☐ No ☐ N/A

Description: Supplemental values would include the same resources noted for the contiguous Upper Kanab Creek unit:

Geologic: The Upper Kanab Creek unit was identified in the original inventory as having exceptionally scenic values related to the Navajo Sandstone escarpment of the White Cliffs. Subunit B also offers access to panoramic views for recreational users, as well as scenic views on its northern and eastern edges for those traveling along Johnson Canyon Road.

Wildlife: The original inventory identified the Upper Kanab Creek unit as providing critical winter range for the Paunsagant deer herd. This value also exists within Subunit B.

Area Unique Identifier: Upper Kanab Creek (UT-040-255) Subunit C

Acreage: Approximately 1.3 acres

(1) Is the area of sufficient size? ☐ Yes (Unit exceeds ☒ No

Description (describe the boundaries of the area--wilderness inventory roads, property lines, etc.

The 1999 Utah Wilderness Inventory identified approximately 48,400 acres of lands with wilderness characteristics in the Upper Kanab Creek unit. The previous inventory identified lands west of Johnson Canyon Road in GSENM as containing wilderness characteristics.

In 2009, GSENM authorized a Title V ROW to the Kane County Water Conservancy District for the Johnson Canyon Well (2008 EA UTU-082138). Three individual Right-of-Way grants were issued:

UTU-82138 for a water well site (.180 acres; 80x100');

UTU-83080 (.660 acres) for an access road (1,150 ft. by 12');

UTU-83081 for buried culinary water/utility pipeline (9.199 acres). 25' x 16029'.

The authorized water development includes three ROW grants for an access road, a water well and a buried water pipeline. The water development and road access were constructed in 2012 and also included a temporary construction width of approximately 100-ft. radius of the development. The site now consists of a permanent chain-link, fenced and gated water development and access road containing a wooden enclosed pumphouse that constitutes a noticeable permanent impact to naturalness. The buried water pipeline extends for 5.5 miles south along Johnson Canyon Road and lies within the 66 foot Kane County Highway ROW (UTU 55664). Thus, the road and water development features are being excised from the larger Upper Kanab Creek lands with wilderness characteristics unit. See photos 114, 115 and 116. This approximately 1.3 acre parcel is excluded from the previously identified lands in T41S R5W Sections 26 and 35 found to contain wilderness characteristics.

Note: The 1999 wilderness inventory of the Upper Kanab Creek unit used a 300-ft. setback along Johnson Canyon Road; current guidance (Manual 6310) is to use the edge of disturbance or the edge of a developed ROW. This Title V ROW is located in the previously identified highway setback, as well as extends into the previously inventoried lands of the Upper Kanab Creek Unit found to contain wilderness characteristics.

(2) Does the area appear to be natural? ☐ Yes ☐ No ☒ N/A

Description (include land ownership, location, topography, vegetation, and summary of major human uses/activities

(3) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for solitude?

☐ Yes ☐ No ☒ N/A

Description (describe the area's outstanding opportunities for solitude):

(4) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for primitive and unconfined recreation? ☐ Yes ☐ No ☒ N/A

Description (describe the area's outstanding opportunities for primitive and unconfined recreation):

(5) Does the area have supplemental values (ecological, geological, or other features of scientific, educational, scenic or historical value)? ☐ Yes ☐ No ☒ N/A

Description:

Current Conditions: Presence or Absence of Wilderness Characteristics (Form 2)**Area Unique Identifier:** Upper Kanab Creek Potential Additions (UT-040-255) Subunit D**Acreage:** Approximately 731 acres (not contiguous with approximately 48,400 acres of identified lands with wilderness characteristics managed by GSENM)**(1) Is the area of sufficient size?** ☐ Yes ☒ No*Description (describe the boundaries of the area--wilderness inventory roads, property lines, etc.*

Subunit D is bordered on the north by Glendale Bench road (BLM #600); bordered on the south by Cutler Point road (BLM #601); and bordered on the west by a pipeline road that was determined to be a wilderness inventory road (see Route Evaluation Form - *Pipeline road between Glendale Bench Road (BLM #600) and Cutler Point Road (BLM #601)*). Subunit B includes lands in T41S, T5W in portions of sections 2, 3, 4, 9, 10 and 11.

Subunit D is not of sufficient size and does not meet any of the exceptions to the size criteria defined in Manual 6310 as it is not contiguous with the remainder UT-040-255.

(2) Does the area appear to be natural? Yes ☐ No ☒ N/A*Description (include land ownership, location, topography, vegetation, and summary of major human uses/activities***(3) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for solitude?**☐ Yes ☐ No ☒ N/A*Description (describe the area's outstanding opportunities for solitude):***(4) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for primitive and unconfined recreation?** ☐ Yes ☐ No ☒ N/A*Description (describe the area's outstanding opportunities for primitive and unconfined recreation):***(5) Does the area have supplemental values (ecological, geological, or other features of scientific, educational, scenic or historical value)?** ☐ Yes ☐ No ☒ N/A*Description:*

Area Unique Identifier: Upper Kanab Creek (UT-040-255) Subunit E

Acreage: Approximately 4,445 acres (contiguous with approximately 48,400 acres of identified lands with wilderness characteristics managed by GSENM and Kanab Field Office)

(1) Is the area of sufficient size? ☒ Yes ☐ No

Description (describe the boundaries of the area--wilderness inventory roads, property lines, etc.

Subunit E consists of BLM-administered surface north of the existing Upper Kanab Creek unit (1999 UWI) in portions of sections 4, 5, 6, 7, 8, 9, 17 and 19 in T41S R5W and portions of sections 31 and 32 in T40S R5W. The Glendale Bench road (BLM #600) forms the northern boundary of the unit and Cutler Point Road (#601) forms the southern boundary of the unit (see attached map and route evaluation forms). Manual 6310 directs, “[d]eveloped rights-of-way (ROW) are treated like other impacts, and the boundary should be drawn to exclude those ROWs”. The unit boundary excludes any private or non-federal lands.

Subunit E adjoins BLM lands of a similar appearance to the south. These lands were determined to possess wilderness characteristics in the 1999 Utah Wilderness Inventory (Upper Kanab Creek/UT-040-255). The northern boundary of the 1999 wilderness inventory unit was a section line. Field visits verified that the southern boundary of Subunit E is not defined by a wilderness inventory road or other substantially noticeable man-made feature; the Upper Kanab Creek Subunit E is thus contiguous with the lands with wilderness characteristics unit identified in the 1999 Utah Wilderness Inventory (UT-040-255; 48,400 acres). We will refer to this portion of the unit as the Subunit E for the remainder of the document.

On April 4, 2017, an interdisciplinary team visited Subunit E and assessed the status of routes, historic vegetation treatments, and other impacts to naturalness within the area. During field evaluation the interdisciplinary team determined that there are no vehicle routes within Subunit B that meet the definition of a wilderness inventory road.

Subunit E possesses sufficient size (4,445 acres) in association with the contiguous acreage found to possess wilderness characteristics in earlier inventories (48,400 acres).

(2) Does the area appear to be natural? ☒ Yes ☐ No ☐ N/A

Description (include land ownership, location, topography, vegetation, and summary of major human uses/activities

Subunit E is located on BLM lands managed by GSENM and is accessible from the Johnson Canyon and Glendale Bench roads, approximately 26 miles east of Kanab. The overall character of the inventoried lands appears natural to the casual observer. The area consists of high desert plateau with intermittent washes throughout. Vegetation consists mainly of pinyon-juniper forest, scrub oak, and sagebrush intermixed with grasses, shrubs and cacti.

Limited evidence of human use exists within Subunit E and is generally concentrated around the boundary roads used for dispersed parking, camping or use by livestock permittees. There was

very little evidence of cross country vehicular travel within the unit. Evidence of human modification of the landscape includes impacts from past vegetation treatments including chaining, use of mechanical bullhog in some locations, and post and firewood cutting. The evidence of such uses has faded and are now substantially unnoticeable to the casual observer due to filling in of sagebrush and grasses. Livestock management facilities include a buried water pipeline; several livestock water troughs and fencing. Approximately 2.5 miles of two-track leading to private lands west of the unit are present; this route does not meet the definition of a wilderness inventory road. The range development features and linear disturbances within Subunit E are considered substantially unnoticeable and blend into the sagebrush. In addition to the field checks undertaken by the interdisciplinary team, staff members familiar with the area were queried as to the presence (or lack thereof) of impediments to naturalness as defined by Manual 6310. The information provided consisted primarily of information on historic vegetation treatments and range improvements present in the area.

To the average visitor, Subunit B appears to exist in a largely natural state. Evidence of past vegetation projects is present, but there are no major impacts to apparent naturalness from the perspective of the casual observer or average visitor.

(3) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for solitude?

☒ Yes ☐ No ☐ N/A

Description (describe the area's outstanding opportunities for solitude):

The GSENM portion of the Upper Kanab Creek unit (UT-040-255) is used primarily for grazing activities and recreational use. Although areas on the periphery of Subunit E could be impacted by the sounds of vehicles traveling on Glendale Bench and Cutler Point Roads, and potentially from human activities on the private parcel lying on the southern boundary, vegetative screening is available throughout the subunit. Thus, any sights and sounds from vehicular use outside the parcel are not omnipresent nor pervasive.

Subunit E generally possesses the same outstanding opportunities for solitude documented on contiguous lands with wilderness characteristics due to the rugged terrain, vegetative screening and remoteness of the area. The GSENM portion of the Upper Kanab Creek unit lies adjacent to the central core of the Upper Kanab Creek, managed by the Kanab Field Office. The overall unit contains topographic buffers for recreational users exploring the mesas and canyons extending into the GSENM portion of the UT-040-255.

(4) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for primitive and unconfined recreation? ☒ Yes ☐ No ☐ N/A

Description (describe the area's outstanding opportunities for primitive and unconfined recreation):

The area generally contains the same recreational activities noted in the 1999 inventory for contiguous lands with wilderness characteristics. Opportunities include hiking, backpacking, horseback riding, hunting, and dog walking. Most recreational users access the area from dispersed camp sites and dispersed parking located along Johnson Canyon Road, Cutler Point Road, Pine Point Road or Swapp Canyon. In general, visitors walk or horseback ride cross country to access cliffs and mesas offering spectacular views. The unit's rugged cliffs, canyons and mesas front and adjoin the central section of the Upper Kanab Creek Unit, featuring a striking geologic escarpment known as the White Cliffs. The White Cliffs are visible from a distance and form one of the principal steps in the "Grand Staircase" of the Monument.

(5) Does the area have supplemental values (ecological, geological, or other features of scientific, educational, scenic or historical value)? ☒ Yes ☐ No ☐ N/A

Description:

Geologic: The Upper Kanab Creek unit was identified in the original inventory as having exceptionally scenic values related to the Navajo Sandstone escarpment of the White Cliffs. Subunit E also offers outstanding panoramic views for recreational users to the north and east, as well as scenic views for those traveling along the Glendale Bench or Cutler Point Roads.

Wildlife: The original inventory also identified that the Upper Kanab Creek unit provides critical winter range for the Paunsagant deer herd. This value also exists within Subunit B.

Area Unique Identifier: Upper Kanab Creek Additions (UT-040-255) Subunit F

Acreage: Approximately 132 acres (not contiguous with approximately 48,400 acres of identified lands with wilderness characteristics managed by GSENM)

(1) Is the area of sufficient size? ☐ Yes ☒ No

Description (describe the boundaries of the area--wilderness inventory roads, property lines, etc.

Subunit F is bordered on the east by Cutler Point road (BLM #600); bordered on the north/northwest by Cutler Point Springs road (BLM#603); and bordered on the south by private property.

Subunit F is not of sufficient size and does not meet any of the exceptions to the size criteria defined in Manual 6310 as it is not contiguous with the remainder UT-040-255.

(2) Does the area appear to be natural? ☐ Yes ☐ No ☒ N/A

Description (include land ownership, location, topography, vegetation, and summary of major human uses/activities

(3) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for solitude?

☐ Yes ☐ No ☒ N/A

Description (describe the area's outstanding opportunities for solitude):

(4) Does the area (or the remainder of the area if a portion has been excluded due to unnaturalness and the remainder is of sufficient size) have outstanding opportunities for primitive and unconfined recreation? ☐ Yes ☐ No ☒ N/A

Description (describe the area's outstanding opportunities for primitive and unconfined recreation): **(5) Does the area have supplemental values (ecological, geological, or other features of scientific, educational, scenic or historical value)?** ☒ Yes ☐ No ☒ N/A

Description:

APPENDIX C

Route Analysis Forms

- 1. Cutler Point Road (# 601)**
- 2. Lone Pine Point Road (#602) – North of Private Land**
- 3. Lone Pine Point Road (#602) – South of Private Land**
- 4. Cutler Point Spring Road (# 603)**
- 5. Pipeline road to Stock Pond and Water Trough in Subunit A**
- 6. Pipeline road between Glendale Bench Road (BLM #600) and Cutler Point Road (BLM #601)**

APPENDIX C - ROUTE ANALYSIS WILDERNESS CHARACTERISTICS INVENTORY

(Factors to consider when determining whether a route is a road for wilderness characteristics inventory purposes.)

Wilderness Characteristics Inventory Area: **Upper Kanab Creek Unit (UT-040-255) - Separating Subunits A, D, E and F**

Route or Route Segment Name and/or Road/Route Number: **Cutler Pt Road/#601 (a GSENM designated route)**

(Include Transportation Plan Identifier, if known, and include route number supplied by citizen information, when available.)

See photo log: Photos 57, 65, 80

I.LOCATION: See attached map; route labeled "Cutler Pt"

GPS-UTM (Start of route)	GPS-UTM (End of route)	ROUTE LENGTH (Overall length of the route)
N 4125339	N 4122011	<u>4.6 mi</u>
E 376842	E 372058	

II. ROUTE CONTEXT

A. Identify the current purpose (if any) of route: (these can include):

Stock tank, developed spring, stock pond/reservoir, fence, corral; private inholdings; i. e. ranch, farmhouse; mining activity: adit, landings; tailing dump, dispersed camp site, scenic overlook, transmission line, telephone, pipeline, communication site, vegetation manipulation.

Describe: Access to private land, access to Kanab Field Office, access for recreationists

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route?

Yes

No **X**

Unknown

2. If yes, what is the stated purpose of the ROW?

3. Is the ROW still being used for this purpose?

Yes

No

Unknown or N/A

X _____

Explain:

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes ☒ (if either A.1 *or* A.2 is checked "yes" below)

No (if both A.1 *and* A.2 are checked "no" below)

1. Construction:

Is there evidence that the route or route segment was originally constructed using mechanical means? Yes ☒ No

Examples: Paved Bladed ☒ Graveled Roadside Berms ☒ Cut/Fill
Other

Describe: The Cutler Point Road has been bladed.

2. Improvements:

Is there evidence of improvements using mechanical means to facilitate access?

Yes ☒ by Hand Tools by Machine

No ☐

Examples: Culverts Hardened Stream Crossings Bridges Drainage ☒
Barriers Other ☒

Describe: A cattle guard has been placed on the road; wing ditches occur at regular intervals.

B. Maintenance:

Is there evidence of maintenance that would ensure *relatively* regular and continuous use?

Yes ☒ (if either B.1 *or* B.2 is checked "yes" below)

No (if both B.1 *and* B.2 are checked "no" below)

1. Is there evidence or documentation of maintenance using hand tools or machinery?

Yes ☒ by Hand Tools by Machine ☒

No

Explain: The road appears to have been recently maintained. The road surface is relatively smooth and the wing ditches are clear of debris.

2. If the route or route segment is in good condition, and there is **no** evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route should this route become impassable?

Yes No ☐

Explain: N/A

C. Relatively regular and continuous use:

Does the route or route segment ensure relatively regular and continuous use?

Yes X No

Describe evidence:

(e.g., **direct evidence:** vehicles or vehicle tracks observed; or **indirect evidence:** use associated with purpose of the route such as maintenance of facility that route accesses) and other rationale for whether use has occurred and will continue to occur on a *relatively* regular basis (i.e., regular and continuous use relative to the purpose(s) of the route).

The route is currently passable to 2WD vehicles through its intersection with the Kanab Field Office in T 41 S R 6 W Section 20.

IV. CONCLUSION:

Does the route or route segment meet the definition of a wilderness inventory road (i.e., are items III.A *and* III.B *and* III.C all checked yes)?

Yes X = Wilderness Inventory Road

No =Not a Road for Wilderness Inventory Purposes

Evaluator(s): Lora Gale, Bob Stevenson, Raymond Brinkerhoff Date: June 22, 2016

APPENDIX C - ROUTE ANALYSIS WILDERNESS CHARACTERISTICS INVENTORY

(Factors to consider when determining whether a route is a road for wilderness characteristics inventory purposes.)

Wilderness Characteristics Inventory Area: **Upper Kanab Creek Unit (UT-040-255) Subunit A**

Route or Route Segment Name and/or Road/Route Number: **Lone Pine Point Road/BLM #602 (a GSENM designated open route)**

(Include Transportation Plan Identifier, if known, and include route number supplied by citizen information, when available.)

See photo log: Photos 84, 85, 86, 87, 88

LOCATION: See attached map; route labeled "Lone Pine Pt"

GPS-UTM	GPS-UTM	ROUTE LENGTH
(Start of route)	(End of route)	(Overall length of the route)
N 4124761_	N 4123782	<u>0.85 mi</u>
E 376616	E 377160	

II. ROUTE CONTEXT

A. Identify the current purpose (if any) of route: (these can include):

Stock tank, developed spring, stock pond/reservoir, fence, corral; private inholdings; i. e. ranch, farmhouse; mining activity: adit, landings; tailing dump, dispersed camp site, scenic overlook, transmission line, telephone, pipeline, communication site, vegetation manipulation.

Describe: Access to private land, access for recreationists. The road is designated as open to motorized travel to its intersection with private land.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route?

Yes No **X** Unknown

2. If yes, what is the stated purpose of the ROW?

3. Is the ROW still being used for this purpose?

Yes No Unknown or N/A

X _____

Explain:

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes ☒ (if either A.1 *or* A.2 is checked "yes" below)

No (if both A.1 *and* A.2 are checked "no" below)

1. Construction:

Is there evidence that the route or route segment was originally constructed using mechanical means? Yes ☒ No

Examples: Paved Bladed ☒ Graveled Roadside Berms ☒ Cut/Fill
Other

Describe: The Lone Pine Point Road has been bladed to its intersection with private land.

2. Improvements:

Is there evidence of improvements using mechanical means to facilitate access?

Yes by Hand Tools by Machine

No —

Examples: Culverts Hardened Stream Crossings Bridges Drainage
Barriers Other

Describe:

B. Maintenance:

Is there evidence of maintenance that would ensure *relatively* regular and continuous use?

Yes ☒ (if either B.1 *or* B.2 is checked "yes" below)

No (if both B.1 *and* B.2 are checked "no" below)

1. Is there evidence or documentation of maintenance using hand tools or machinery?

Yes ☒ by Hand Tools by Machine ☒

No

Explain: The road appears to have been recently maintained. The road surface is relatively smooth.

2. If the route or route segment is in good condition, and there is **no** evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route should this route become impassable?

Yes No —

Explain: N/A

C. Relatively regular and continuous use:

Does the route or route segment ensure relatively regular and continuous use?

Yes X No

Describe evidence:

(e.g., **direct evidence:** vehicles or vehicle tracks observed; or **indirect evidence:** use associated with purpose of the route such as maintenance of facility that route accesses) and other rationale for whether use has occurred and will continue to occur on a *relatively* regular basis (i.e., regular and continuous use relative to the purpose(s) of the route).

The route is currently passable to 2WD vehicles through its intersection with private land.

IV. CONCLUSION:

Does the route or route segment meet the definition of a wilderness inventory road (i.e., are items III.A and III.B and III.C all checked yes)?

Yes X = Wilderness Inventory Road

No =Not a Road for Wilderness Inventory Purposes

Evaluator(s): Bob Stevenson, Lora Gale, Raymond Brinkerhoff, Ken Bradshaw

Date: June 24, 2016

APPENDIX C - ROUTE ANALYSIS WILDERNESS CHARACTERISTICS INVENTORY

(Factors to consider when determining whether a route is a road for wilderness characteristics inventory purposes.)

Wilderness Characteristics Inventory Area: **Upper Kanab Creek Unit (UT-040-255) Subunit A**

Route or Route Segment Name and/or Road/Route Number: **Lone Pine Point - primitive route (two-track) south of private land parcel (not designated on GSENM travel plan)**

(Include Transportation Plan Identifier, if known, and include route number supplied by citizen information, when available.)

See photo log: Photos 89, 90, 91, 92, 93, 94, 95, 96, 97

I. LOCATION: See attached map; route extending past

GPS-UTM (Start of route)	GPS-UTM (End of route)	ROUTE LENGTH (Overall length of the route)
N 4123684	4120201	2.2 mi
E 377161	376888	

II. ROUTE CONTEXT

A. Identify the current purpose (if any) of route: (these can include):

Stock tank, developed spring, stock pond/reservoir, fence, corral; private inholdings: i. e. ranch, farmhouse; mining activity: adit, landings; tailing dump, dispersed camp site, scenic overlook, transmission line, telephone, pipeline, communication site, vegetation manipulation.

Describe: Access to allotment for livestock management and vegetation trend studies.

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route?

Yes

No **X**

Unknown

2. If yes, what is the stated purpose of the ROW?

3. Is the ROW still being used for this purpose?

Yes

No

Unknown or N/A

X _____

Explain:

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes ☒ (if either A.1 *or* A.2 is checked "yes" below)

No (if both A.1 *and* A.2 are checked "no" below)

1. Construction:

Is there evidence that the route or route segment was originally constructed using mechanical means? Yes ☒ No

Examples: Paved Bladed ☒ Graveled Roadside Berms Cut/Fill Other

Describe: Route was bladed for access to the south portion of allotment on Lone Pine Point.

2. Improvements:

Is there evidence of improvements using mechanical means to facilitate access?

Yes ☒ by Hand Tools by Machine ☒

No ☐

Examples: Culverts Hardened Stream Crossings Bridges Drainage
Barriers Other ☒

Describe: Trees have been pushed over by heavy machinery to accommodate vehicular travel.

B. Maintenance:

Is there evidence of maintenance that would ensure *relatively* regular and continuous use?

Yes ☒ (if either B.1 *or* B.2 is checked "yes" below)

No (if both B.1 *and* B.2 are checked "no" below)

1. Is there evidence or documentation of maintenance using hand tools or machinery?

Yes by Hand Tools by Machine

No ☒

Explain:

2. If the route or route segment is in good condition, and there is **no** evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route should this route become impassable?

Yes ☒ No ☐

Explain: If the route became impassable, BLM would allow minimal mechanical maintenance for continued access to the vegetation treatments.

C. Relatively regular and continuous use:

Does the route or route segment ensure relatively regular and continuous use?

Yes ☒ No ☐

Describe evidence:

(e.g., **direct evidence:** vehicles or vehicle tracks observed; or **indirect evidence:** use associated with purpose of the route such as maintenance of facility that route accesses) and other rationale for whether use has occurred and will continue to occur on a *relatively* regular basis (i.e., regular and continuous use relative to the purpose(s) of the route).

The route is currently passable to 4WD vehicles until trees and woody vegetation crowd the sides of the track. Smaller vehicles (e.g., ATVs, UTVs) can squeeze between trees until the route terminates at the top of the Navajo Sandstone cliffs.

IV. CONCLUSION:

Does the route or route segment meet the definition of a wilderness inventory road (i.e., are items III.A *and* III.B *and* III.C all checked yes)?

Yes ☒ = Wilderness Inventory Road

No ☐ = Not a Road for Wilderness Inventory Purposes

Evaluator(s): Bob Stevenson, Lora Gale, Raymond Brinkerhoff Date: June 24, 2016

APPENDIX C - ROUTE ANALYSIS WILDERNESS CHARACTERISTICS INVENTORY

(Factors to consider when determining whether a route is a road for wilderness characteristics inventory purposes.)

Wilderness Characteristics Inventory Area: **Upper Kanab Creek Unit (UT-040-255) Subunits E and F**

Route or Route Segment Name and/or Road/Route Number: **Cutler Point Spring Road, BLM #603 - Cutler Point Spring Road (a GSENM designated route)**

(Include Transportation Plan Identifier, if known, and include route number supplied by citizen information, when available.)

See photo log: Photo 56

I. LOCATION: See attached map; route labeled "Cutler Pt Spring"

GPS-UTM	GPS-UTM	ROUTE LENGTH
(Start of route)	(End of route)	(Overall length of the route)
N 4123138	N 4122434	<u>1.1 mi</u>
E 372080	E 370983	

II. ROUTE CONTEXT

A. Identify the current purpose (if any) of route: (these can include):

Stock tank, developed spring, stock pond/reservoir, fence, corral; private inholdings: i. e. ranch, farmhouse; mining activity: adit, landings; tailing dump, dispersed camp site, scenic overlook, transmission line, telephone, pipeline, communication site, vegetation manipulation.

Describe: Access to private land

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route?

Yes No **X** Unknown

2. If yes, what is the stated purpose of the ROW?

3. Is the ROW still being used for this purpose?

Yes No Unknown or

N/A **X** _____

Explain:

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes ☒ (if either A.1 *or* A.2 is checked "yes" below)

No (if both A.1 *and* A.2 are checked "no" below)

1. Construction:

Is there evidence that the route or route segment was originally constructed using mechanical means? Yes ☒ No

Examples: Paved Bladed ☒ Graveled Roadside Berms ☒ Cut/Fill
Other

Describe: The Cutler Point Spring road has been bladed.

2. Improvements:

Is there evidence of improvements using mechanical means to facilitate access?

Yes ☒ by Hand Tools by Machine ☒

No ☐

Examples: Culverts Hardened Stream Crossings Bridges Drainage ☒
Barriers Other ☒

Describe: Road surface is recently graded.

B. Maintenance:

Is there evidence of maintenance that would ensure *relatively* regular and continuous use?

Yes ☒ (if either B.1 *or* B.2 is checked "yes" below)

No (if both B.1 *and* B.2 are checked "no" below)

1. Is there evidence or documentation of maintenance using hand tools or machinery?

Yes ☒ by Hand Tools by Machine ☒

No

Explain: The road was recently graded, its surface is relatively smooth and road edge cuts are sharp.

2. If the route or route segment is in good condition, and there is **no** evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route should this route become impassable?

Yes No

Explain: N/A

C. Relatively regular and continuous use:

Does the route or route segment ensure relatively regular and continuous use?

Yes X No

Describe evidence:

(e.g., **direct evidence:** vehicles or vehicle tracks observed; or **indirect evidence:** use associated with purpose of the route such as maintenance of facility that route accesses) and other rationale for whether use has occurred and will continue to occur on a *relatively* regular basis (i.e., regular and continuous use relative to the purpose(s) of the route).

The route is currently passable to 2WD vehicles through its intersection with the GSENM boundary with private land in T 41 S, R 5 W Section 19.

IV. CONCLUSION:

Does the route or route segment meet the definition of a wilderness inventory road (i.e., are items III.A *and* III.B *and* III.C all checked yes)?

Yes X = Wilderness Inventory Road

No =Not a Road for Wilderness Inventory Purposes

Evaluator(s): Bob Stevenson, Cameron McQuivey

Date: April 4, 2017

APPENDIX C - ROUTE ANALYSIS WILDERNESS CHARACTERISTICS INVENTORY

(Factors to consider when determining whether a route is a road for wilderness characteristics inventory purposes.)

Wilderness Characteristics Inventory Area: **Upper Kanab Creek Unit (UT-040-255) Subunit A**

Route or Route Segment Name and/or Road/Route Number: **Pipeline road to Stock Pond and Water Trough**

(Include Transportation Plan Identifier, if known, and include route number supplied by citizen information, when available.)

See photo log: Photos 66, 70, 71, 73, 77

LOCATION: See attached map; T41S R5W Sections 10 and 15

GPS-UTM	GPS-UTM	ROUTE LENGTH
(Start of route)	(End of route)	(Overall length of the route)
N 4124666_	N 4122491	<u>1.6 mi</u>
E 374813	E 376254	

II. ROUTE CONTEXT

A. Identify the current purpose (if any) of route: (these can include):

Stock tank, developed spring, stock pond/reservoir, fence, corral; private inholdings; i. e. ranch, farmhouse; mining activity: adit, landings; tailing dump, dispersed camp site, scenic overlook, transmission line, telephone, pipeline, communication site, vegetation manipulation.

Describe: Access to stock pond and water trough

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route?

Yes No **X** Unknown

2. If yes, what is the stated purpose of the ROW?

3. Is the ROW still being used for this purpose?

Yes No Unknown or N/A

X _____

Explain:

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes ☒ (if either A.1 *or* A.2 is checked "yes" below)No (if both A.1 *and* A.2 are checked "no" below)

1. Construction:

Is there evidence that the route or route segment was originally constructed using mechanical means? Yes ☒ NoExamples: Paved Bladed ☒ Graveled Roadside Berms ☒ Cut/Fill
OtherDescribe: This road has been bladed to the stock pond. A partially buried water pipeline continues on an improved route that leads to a water trough.

2. Improvements:

Is there evidence of improvements using mechanical means to facilitate access?

Yes ☒ by Hand Tools by MachineNo ☐Examples: Culverts Hardened Stream Crossings Bridges Drainage
Barriers Other ☒Describe: A water pipeline runs the length of the route. This pipeline was laid by machinery, is visible at surface in places.

B. Maintenance:

Is there evidence of maintenance that would ensure *relatively* regular and continuous use?Yes ☒ (if either B.1 *or* B.2 is checked "yes" below)No (if both B.1 *and* B.2 are checked "no" below)

1. Is there evidence or documentation of maintenance using hand tools or machinery?

Yes ☒ by Hand Tools by Machine ☒

No

Explain: The aforementioned pipeline is visible in places. Machinery may be necessary for pipeline repairs or maintenance.

2. If the route or route segment is in good condition, and there is **no** evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route should this route become impassable?Yes ☒ No ☐

Explain: This route leads to an authorized range improvement. BLM would allow maintenance of the route to its terminus at the water trough.

C. Relatively regular and continuous use:

Does the route or route segment ensure relatively regular and continuous use?

Yes X No

Describe evidence:

(e.g., **direct evidence:** vehicles or vehicle tracks observed; or **indirect evidence:** use associated with purpose of the route such as maintenance of facility that route accesses) and other rationale for whether use has occurred and will continue to occur on a *relatively* regular basis (i.e., regular and continuous use relative to the purpose(s) of the route).

The route is currently passable to 4WD vehicles.

IV. CONCLUSION:

Does the route or route segment meet the definition of a wilderness inventory road (i.e., are items III.A *and* III.B *and* III.C all checked yes)?

Yes X = Wilderness Inventory Road

No =Not a Road for Wilderness Inventory Purposes

Evaluator(s): Bob Stevenson, Lora Gale, Raymond Brinkerhoff, Ken Bradshaw

Date: June 24, 2016

APPENDIX C - ROUTE ANALYSIS WILDERNESS CHARACTERISTICS INVENTORY

(Factors to consider when determining whether a route is a road for wilderness characteristics inventory purposes.)

Wilderness Characteristics Inventory Area: **Upper Kanab Creek Unit (UT-040-255) between Subunits D & E**

Route or Route Segment Name and/or Road/Route Number: **Pipeline road between Glendale Bench Road (BLM #600) and Cutler Point Road (BLM #601)**

(Include Transportation Plan Identifier, if known, and include route number supplied by citizen information, when available.)

See photo log: Photo points # 3 through # 23

I.LOCATION: See attached map; route located in T41S R5W between sections 3 and 4 and sections 9 and 10.

GPS-UTM (Start of route)	GPS-UTM (End of route)	ROUTE LENGTH (Overall length of the route)
N 4126277_	N 4124674	<u>1.0 mi</u>
E 374636	E 374811	

II. ROUTE CONTEXT

A. Identify the current purpose (if any) of route: (these can include):

Stock tank, developed spring, stock pond/reservoir, fence, corral; private inholdings: i. e. ranch, farmhouse; mining activity: adit, landings; tailing dump, dispersed camp site, scenic overlook, transmission line, telephone, pipeline, communication site, vegetation manipulation.

Describe: Route provides service access to a pipeline which feeds stock tank and water trough south of Cutler Point Road

B. Right-of-Way (ROW):

1. Is there a ROW associated with this route?

Yes

No **X**

Unknown

2. If yes, what is the stated purpose of the ROW?

3. Is the ROW still being used for this purpose?

Yes

No

Unknown or N/A

X _____

Explain:

III. WILDERNESS INVENTORY ROAD CRITERIA

A. Evidence of construction or improvement using mechanical means:

Yes ☒ (if either A.1 *or* A.2 is checked "yes" below)

No (if both A.1 *and* A.2 are checked "no" below)

1. Construction:

Is there evidence that the route or route segment was originally constructed using mechanical means? Yes ☒ No

Examples: Paved Bladed ☒ Graveled Roadside Berms ☒ Cut/Fill
Other

Describe: This road was bladed to bury the pipeline which feeds stock pond and water trough in subunit A, south of Cutler Point Road.

2. Improvements:

Is there evidence of improvements using mechanical means to facilitate access?

Yes ☒ by Hand Tools by Machine

No —

Examples: Culverts Hardened Stream Crossings Bridges Drainage
Barriers Other ☒

Describe: A water pipeline runs the length of the route. This pipeline was laid by machinery, and is visible at surface in places.

B. Maintenance:

Is there evidence of maintenance that would ensure *relatively* regular and continuous use?

Yes ☒ (if either B.1 *or* B.2 is checked "yes" below)

No (if both B.1 *and* B.2 are checked "no" below)

1. Is there evidence or documentation of maintenance using hand tools or machinery?

Yes ☒ by Hand Tools by Machine ☒

No

Explain: The aforementioned pipeline is visible in places. Machinery may be necessary for pipeline repairs or maintenance.

2. If the route or route segment is in good condition, and there is **no** evidence of maintenance, would mechanical maintenance with hand tools or machines be approved by BLM to meet the purpose(s) of the route should this route become impassable?

Yes **X** No

Explain: A water pipeline is buried beneath, or closely parallels the route. BLM would allow maintenance of the route because pipeline feeds authorized range improvements.

C. Relatively regular and continuous use:

Does the route or route segment ensure relatively regular and continuous use?

Yes X No

Describe evidence:

(e.g., **direct evidence:** vehicles or vehicle tracks observed; or **indirect evidence:** use associated with purpose of the route such as maintenance of facility that route accesses) and other rationale for whether use has occurred and will continue to occur on a *relatively* regular basis (i.e., regular and continuous use relative to the purpose(s) of the route).

The route is currently passable to UTV or high clearance 4WD vehicles.

IV. CONCLUSION:

Does the route or route segment meet the definition of a wilderness inventory road (i.e., are items III.A *and* III.B *and* III.C all checked yes)?

Yes **X** = Wilderness Inventory Road

No =Not a Road for Wilderness Inventory Purposes

Evaluator(s): Bob Stevenson, Cameron McQuivey

Date: April 4, 2017

APPENDIX D PHOTO LOGInventory Area Unique Identifier: **Upper Kanab Creek (UT 040 255) Subunits A F**

Photo ID	Date	Description	Camera Direction	mN	mE	Township	Range	Section
1	4/4/2017	Representative Photo of Landscape off Cutler Pt. Road	NNW	4124472	375676	41 S	5 W	10
2	4/4/2017	Representative Photo of Landscape off Cutler Pt. Road	NW	4124471	375675	41 S	5 W	10
3	4/4/2017	Intersection of Cutler Point Road and Pipeline Road	NW	4124667	374812	41 S	5 W	10
4	4/4/2017	Stockwater construction feature	NW	4124911	374753	41 S	5 W	9
5	4/4/2017	Stockwater construction feature	WNW	4124912	374753	41 S	5 W	9
6	4/4/2017	Berms along pipeline road	NW	4124913	374752	41 S	5 W	9
7	4/4/2017	Stockwater feature along pipeline road (Subunit E)	N	4125152	374679	41 S	5 W	9
8	4/4/2017	Stockwater feature along pipeline road (Subunit E)	W	4125178	374673	41 S	5 W	9
9	4/4/2017	Pipeline (evidence of construction) visible	N	4125295	374676	41 S	5 W	9
10	4/4/2017	Pipeline (evidence of construction) visible	N	4125400	374652	41 S	5 W	9
11	4/4/2017	Representative Photo of Landscape off Pipeline Road	NW	4125781	374623	41 S	5 W	4
12	4/4/2017	Pipeline Road	N	4125782	374624	41 S	5 W	4
13	4/4/2017	Two-track heading west from pipeline road	SW	4126030	374603	41 S	5 W	4
14	4/4/2017	Old vegetation treatment project in Subunit E	NW	4125836	374112	41 S	5 W	4
15	4/4/2017	Representative Photo of Landscape in Subunit E	NNW	4125753	373498	41 S	5 W	4
16	4/4/2017	Representative Photo of Landscape in Subunit E	N	4125801	373399	41 S	5 W	4
17	4/4/2017	Two-track	N	4125801	373398	41 S	5 W	4
18	4/4/2017	Representative Photo of Landscape in Subunit E	WNW	4125801	373396	41 S	5 W	4
19	4/4/2017	Old vegetation treatment project in Subunit E	NNW	4125817	372920	41 S	5 W	5
20	4/4/2017	Representative Photo of Landscape in Subunit E	W	4125742	372733	41 S	5 W	5
21	4/4/2017	Representative Photo of Landscape in Subunit E	SW	4125723	372721	41 S	5 W	5
22	4/4/2017	Stockwater pond	NW	4125657	372730	41 S	5 W	5
23	4/4/2017	Intersection of Pipeline Road and Glendale Bench Road	WSW	4126284	374640	41 S	5 W	4
24	4/4/2017	Representative Photo of Landscape in Subunit E from Glendale Bench Road	WSW	4126473	373896	41 S	5 W	4

Photo ID	Date	Description	Camera Direction	mN	mE	Township	Range	Section
25	4/4/2017	Representative Photo of Landscape in Subunit E from Glendale Bench Road	WNW	4126481	373877	41 S	5 W	4
26	4/4/2017	Representative Photo of Landscape in Subunit E from Glendale Bench Road	W	4127888	372008	40 S	5 W	32
27	4/4/2017	Representative Photo of Landscape in Subunit E from Glendale Bench Road	NW	4127890	372008	40 S	5 W	32
28	4/4/2017	Intersection of Glendale Bench Road and reclaiming linear disturbance	SSW	4127862	370492	40 S	5 W	31
29	4/4/2017	Intersection of Glendale Bench Road and reclaiming linear disturbance	S	4127857	370485	40 S	5 W	31
30	4/4/2017	Intersection of Glendale Bench Road and reclaiming linear disturbance	NW	4127831	370476	40 S	5 W	31
31	4/4/2017	Linear disturbance naturally revegetating	SSE	4127826	370481	40 S	5 W	31
32	4/4/2017	Linear disturbance naturally revegetating	SE	4127809	370489	40 S	5 W	31
33	4/4/2017	Linear disturbance naturally revegetating	ESE	4127720	370654	40 S	5 W	31
34	4/4/2017	Northwest edge of unit	SE	4127793	369878	40 S	6 W	36
35	4/4/2017	Northwest edge of unit on Glendale Bench Road	ESE	4127788	369868	40 S	6 W	36
36	4/4/2017	Representative Photo of Landscape off Cutler Pt. Road	NW	4124613	374448	41 S	5 W	9
37	4/4/2017	Fenceline route to trough	NNW	4124581	373335	41 S	5 W	9
38	4/4/2017	Representative Photo of Landscape off Cutler Pt. Road	NNW	4124587	373337	41 S	5 W	9
39	4/4/2017	Intersection of Cutler Point Road and route to private	W	4124025	372879	41 S	5 W	8
40	4/4/2017	Intersection of Cutler Point Road and route to private	NW	4124020	372883	41 S	5 W	8
41	4/4/2017	Intersection of Cutler Point Road and route to private	WNW	4124020	372883	41 S	5 W	8
42	4/4/2017	Route to private land	WNW	4124057	372695	41 S	5 W	8
43	4/4/2017	Representative Photo of Landscape in Subunit E from route to private land	N	4124310	372368	41 S	5 W	8
44	4/4/2017	Representative Photo of Landscape in Subunit E from route to private land	WNW	4124614	372212	41 S	5 W	8
45	4/4/2017	Route to private land	NNW	4124941	372008	41 S	5 W	8
46	4/4/2017	Representative Photo of Landscape in Subunit E from route to private land	W	4124945	371841	41 S	5 W	8

Photo ID	Date	Description	Camera Direction	mN	mE	Township	Range	Section
47	4/4/2017	Representative Photo of Landscape in Subunit E from route to private land	ENE	4124970	371742	41 S	5 W	8
48	4/4/2017	Representative Photo of Landscape in Subunit E from route to private land	NNE	4124985	371716	41 S	5 W	8
49	4/4/2017	Route to private land	NW	4123960	372812	41 S	5 W	17
50	4/4/2017	Intersection of Cutler Point Road and route to private	N	4123956	372809	41 S	5 W	17
51	4/4/2017	Representative Photo of Landscape off Cutler Pt. Road	WNW	4123478	372268	41 S	5 W	17
52	4/4/2017	Representative Photo of Landscape off Cutler Pt. Road	WNW	4123440	372262	41 S	5 W	17
53	4/4/2017	Representative Photo of Pinyon-Juniper off Cutler Pt. Road	NW	4123167	372141	41 S	5 W	17
54	4/4/2017	Road 603 (Cutler Point Spring)	NNE	4123133	372090	41 S	5 W	17
55	4/4/2017	Road 603 (Cutler Point Spring)	NE	4123133	372090	41 S	5 W	17
56	4/4/2017	Road 601 (Cutler Point)	ENE	4123130	372087	41 S	5 W	17
57	6/22/2016	Road 601 (Cutler Point)	NNW	4122412	371946	41 S	5 W	17
58	6/22/2016	Representative Photo of boundary of 1999 Inventory Unit and Subunit A	ENE	4122994	373124	41 S	5 W	17
59	6/22/2016	Representative Photo of boundary of 1999 Inventory Unit and Subunit A	SSE	4123160	373250	41 S	5 W	16
60	6/22/2016	Old two-track with natural revegetation in pole cutting area in Subunit A	SSE	4123271	373186	41 S	5 W	17
61	6/22/2016	Wash and former pole cut area in Subunit A	SE	4123528	373136	41 S	5 W	17
62	6/22/2016	Old two-track with natural revegetation in pole cutting area in Subunit A	SW	4123822	373130	41 S	5 W	17
63	6/23/2016	Fenceline route (disappears on top of hill)	SSE	4124487	373348	41 S	5 W	9
64	6/22/2016	Campsite with vehicle tracks	S	4124024	373069	41 S	5 W	8
65	6/22/2016	Road 601 (Cutler Point)	ENE	4124560	373339	41 S	5 W	9
66	6/22/2016	Pipeline Road	S	4124666	374807	41 S	5 W	10
67	6/22/2016	Representative Photo of Landscape off Cutler Pt. Road	SW	4124659	374804	41 S	5 W	10
68	8/9/2016	Representative Photo of Landscape off Pipeline Road	W	4124196	375106	41 S	5 W	10
69	6/22/2016	Pipeline Road	NE	4124214	375120	41 S	5 W	10
70	6/22/2016	Pipeline Road	SE	4123583	375637	41 S	5 W	15

Photo ID	Date	Description	Camera Direction	mN	mE	Township	Range	Section
71	6/22/2016	Representative Photo of Landscape off Pipeline Road	SSE	4123569	375648	41 S	5 W	15
72	6/22/2016	Representative Photo of Landscape off Pipeline Road	SW	4123535	375667	41 S	5 W	15
73	8/9/2016	Pipeline Road and trough	W	4123080	375946	41 S	5 W	15
74	8/9/2016	Representative Photo of Landscape off Pipeline Road	N	4123073	375941	41 S	5 W	15
75	8/9/2016	Representative Photo of Landscape off Pipeline Road	NNW	4122568	376182	41 S	5 W	15
76	8/9/2016	Trough	ENE	4122540	376148	41 S	5 W	15
77	8/9/2016	Trough	NW	4122548	376177	41 S	5 W	15
78	8/9/2016	Short linear disturbance past trough	SE	4122490	376255	41 S	5 W	15
79	8/9/2016	Representative Photo of Landscape off Pipeline Road	SSW	4122489	376253	41 S	5 W	15
80	6/23/2016	Road 601 (Cutler Point)	SW	4124425	375412	41 S	5 W	10
81	6/23/2016	Fenceline off of Cutler Point Road	S	4124485	375767	41 S	5 W	10
82	6/23/2016	Representative Photo of Landscape off Cutler Point Road (Subunit A)	SE	4124452	375786	41 S	5 W	10
83	8/9/2016	Representative Photo of Landscape off Cutler Point Road (Subunit A)	SE	4124640	376077	41 S	5 W	10
84	8/9/2016	Landscape with Lone Pine Point Road in background	S	4124728	376545	41 S	5 W	11
85	8/9/2016	Representative Photo of Landscape off Lone Pine Point Road	ENE	4123918	376840	41 S	5 W	14
86	8/9/2016	Representative Photo of Landscape off Lone Pine Point Road	SSW	4123811	376985	41 S	5 W	14
87	8/9/2016	Representative Photo of Landscape off Lone Pine Point Road	NNW	4123799	377075	41 S	5 W	14
88	8/9/2016	Representative Photo of Landscape off Lone Pine Point Road	WSW	4123793	377073	41 S	5 W	14
89	6/22/2016	Representative Photo of Landscape off Lone Pine Point Road	N	4123559	377020	41 S	5 W	14
90	6/22/2016	Lone Pine Point Road	NNW	4122264	376938	41 S	5 W	23
91	6/22/2016	Representative Photo of Landscape off Lone Pine Point Road	W	4122270	376938	41 S	5 W	23
92	6/22/2016	Representative Photo of Landscape off Lone Pine Point Road	SE	4122272	376939	41 S	5 W	23
93	6/22/2016	Berms on Lone Pine Point Road	WNW	4121942	376938	41 S	5 W	23
94	6/22/2016	Representative Photo of Landscape off Lone Pine Point Road	E	4121595	376990	41 S	5 W	23
95	6/22/2016	Lone Pine Point Road	N	4121187	376950	41 S	5 W	23
96	6/22/2016	Representative Photo of Landscape off Lone Pine Point Road	WSW	4121188	376950	41 S	5 W	23

Photo ID	Date	Description	Camera Direction	mN	mE	Township	Range	Section
97	6/22/2016	Lone Pine Point Road	SSE	4120445	376901	41 S	5 W	26
98	6/22/2016	Representative Photo of Landscape off Lone Pine Point Road	ENE	4120428	377069	41 S	5 W	26
99	6/23/2016	Representative Photo of Landscape off Cutler Point Road	SSE	4124969	376782	41 S	5 W	11
100	6/23/2016	Representative Photo of landscape off historic Glendale Bench roadbed	S	4124954	376969	41 S	5 W	11
101	8/9/2016	Historic Glendale Bench roadbed	S	4124936	377022	41 S	5 W	11
102	6/23/2016	Historic Glendale Bench roadbed	ESE	4124911	377051	41 S	5 W	11
103	6/23/2016	Representative Photo of landscape off historic Glendale Bench roadbed	SE	4124875	377145	41 S	5 W	11
104	6/23/2016	Historic Glendale Bench roadbed	WNW	4124819	377486	41 S	5 W	11
105	6/23/2016	Representative Photo of Landscape off Johnson Canyon Road	W	4124601	377637	41 S	5 W	11
106	6/23/2016	Unit boundary along Johnson Canyon Road	SSW	4123890	378050	41 S	5 W	13
107	6/23/2016	Unit boundary along Johnson Canyon Road	SW	4123855	378053	41 S	5 W	13
108	6/23/2016	Representative Photo of Landscape off Johnson Canyon Road	SW	4123630	378088	41 S	5 W	13
109	6/23/2016	Representative Photo of Landscape off Johnson Canyon Road	W	4123475	378113	41 S	5 W	13
110	6/23/2016	Representative Photo of Landscape off Johnson Canyon Road	NNW	4121709	378497	41 S	5 W	24
111	6/23/2016	Representative Photo of Landscape off Johnson Canyon Road	NW	4121709	378497	41 S	5 W	24
112	6/23/2016	Unit boundary along Johnson Canyon Road	SW	4121707	378495	41 S	5 W	24
113	6/23/2016	Representative Photo of Landscape off Johnson Canyon Road	W	4120119	378197	41 S	5 W	25
114	8/9/2016	Right-of-way UTU-83081	NW	4119162	377803	41 S	5 W	26
115	8/9/2016	Right-of-way UTU-83081	WNW	4119376	377676	41 S	5 W	26
116	8/9/2016	Right-of-way UTU-83081	SSW	4119414	377669	41 S	5 W	26
117	6/23/2016	Swapp Canyon dispersed campsites	NW	4118864	377026	41 S	5 W	35
118	6/23/2016	Swapp Canyon Closed Route	WNW	4118840	376995	41 S	5 W	35
119	6/23/2016	Swapp Canyon Closed Route - Entering Wash	WNW	4118852	376977	41 S	5 W	35
120	6/23/2016	Fenceline in Subunit-B	ESE	4117528	377417	41 S	5 W	35
121	6/23/2016	Representative Photo of Landscape in Subunit B	N	4117544	377444	41 S	5 W	35
122	6/23/2016	Two-track in Subunit B	WNW	4117536	377428	41 S	5 W	35

Photo ID	Date	Description	Camera Direction	mN	mE	Township	Range	Section
123	6/23/2016	Fenceline and water bar in Subunit-B	WSW	4116982	377465	42 S	5 W	2
124	8/9/2016	Representative Photo of Landscape in Subunit B	NW	4116328	376483	42 S	5 W	2
125	8/9/2016	Representative Photo of Landscape in Subunit B	NW	4116253	376444	42 S	5 W	2
126	8/9/2016	Representative Photo of Landscape in Subunit B	NW	4116257	376410	42 S	5 W	2
127	8/9/2016	Fenceline in Subunit-B	NW	4116290	376362	42 S	5 W	2
128	8/9/2016	Fenceline in Subunit-B	ENE	4116251	376354	42 S	5 W	2
129	8/9/2016	Fenceline and two-track in Subunit-B	S	4116249	376353	42 S	5 W	2
130	8/9/2016	Representative Photo of Landscape in Subunit B	NNW	4115910	376384	42 S	5 W	2
131	8/9/2016	Southwestern boundary of Subunit B	E	4115868	376350	42 S	5 W	2

Photo 1

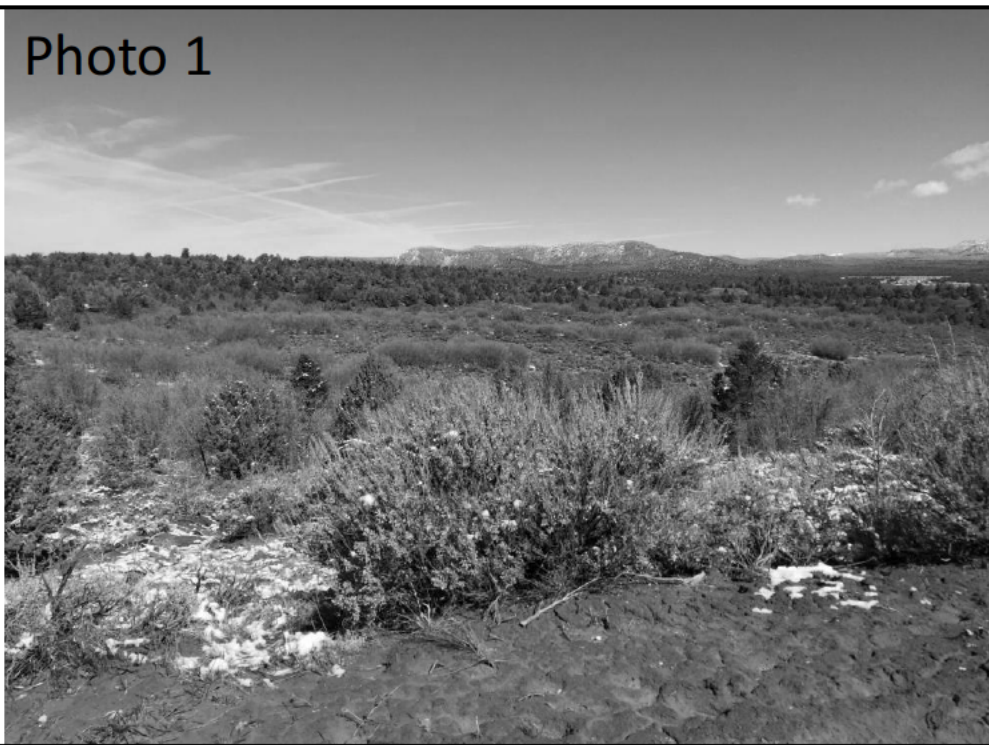


Photo 2



Photo 3



Photo 4



Photo 5



Photo 6



Photo 7



Photo 8



Photo 9



Photo 10



Photo 11



Photo 12



Photo 13



Photo 14



Photo 15



Photo 16



Photo 17



Photo 18



Photo 19



Photo 20



Photo 21



Photo 22



Photo 23



Photo 24



Photo 25



Photo 26



Photo 27



Photo 28



Photo 29



Photo 30







Photo 35



Photo 36



Photo 37



Photo 38







Photo 43



Photo 44





Photo 47



Photo 48





Photo 51



Photo 52



Photo 53



Photo 54



Photo 55



Photo 56



Photo 57



Photo 58









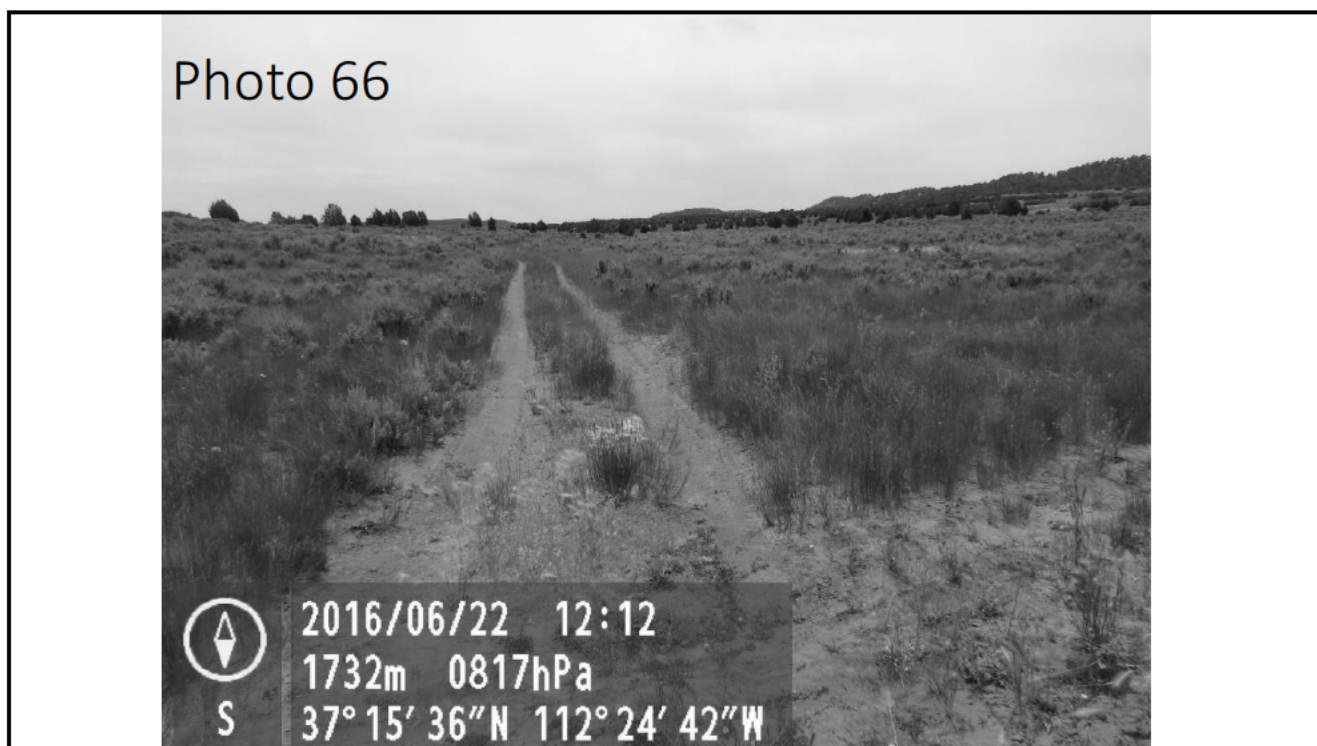


Photo 67

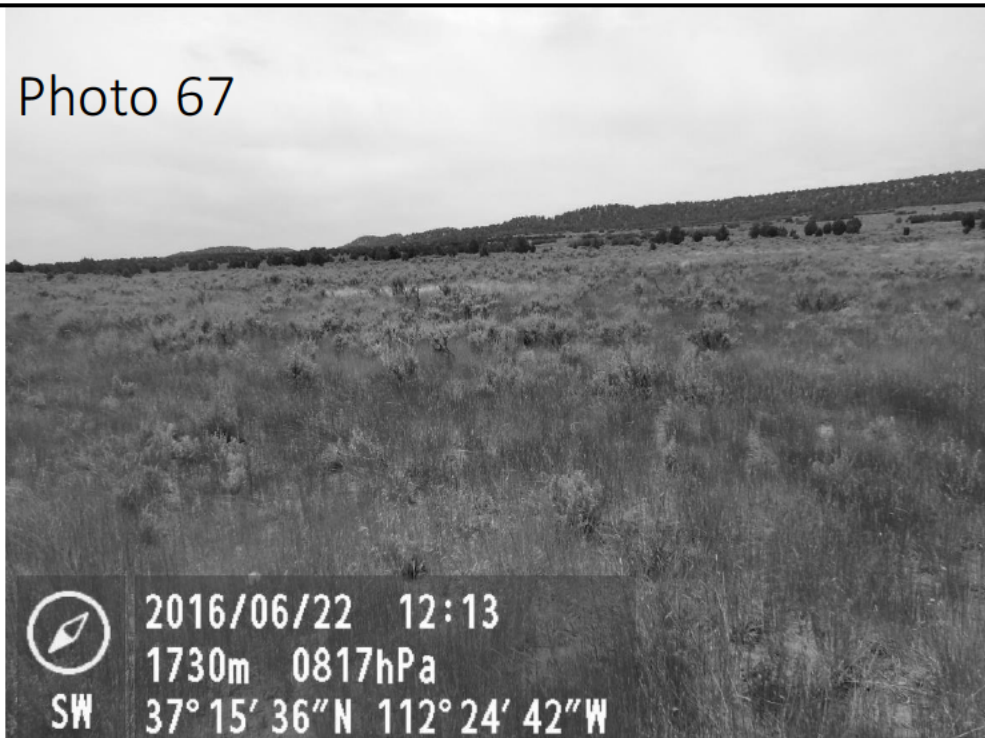


Photo 68

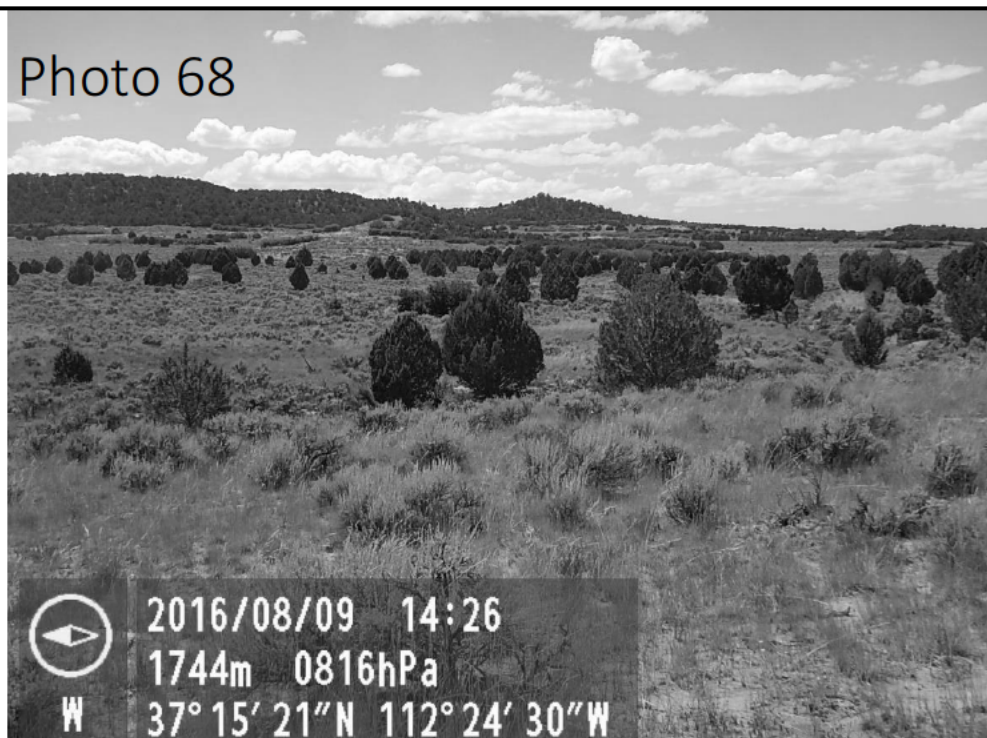
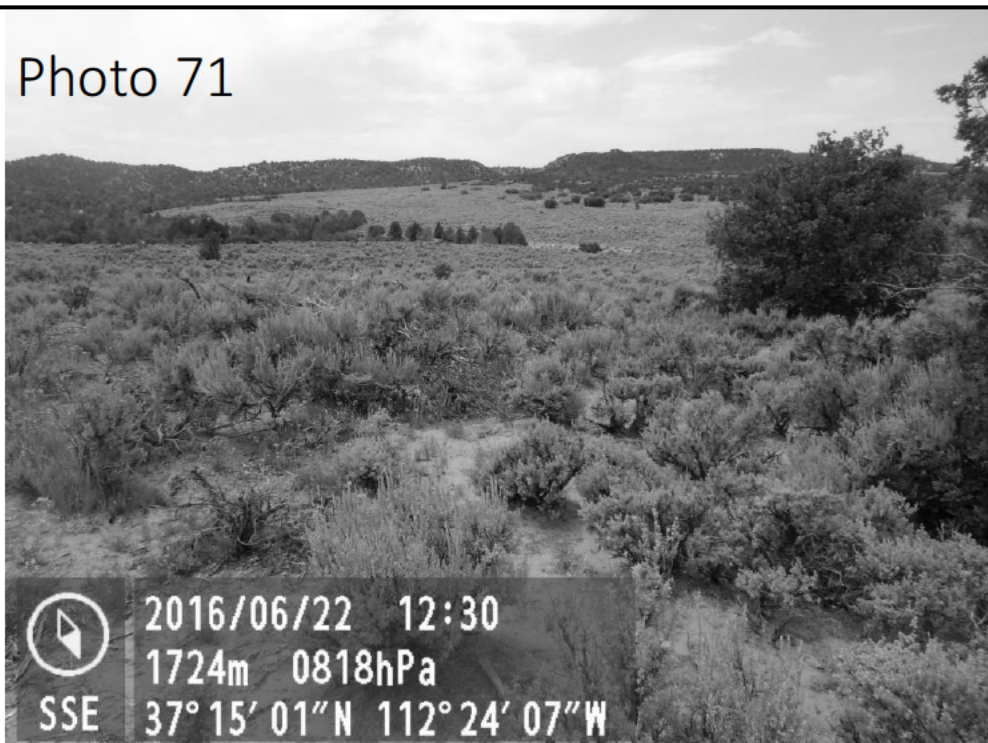




Photo 71



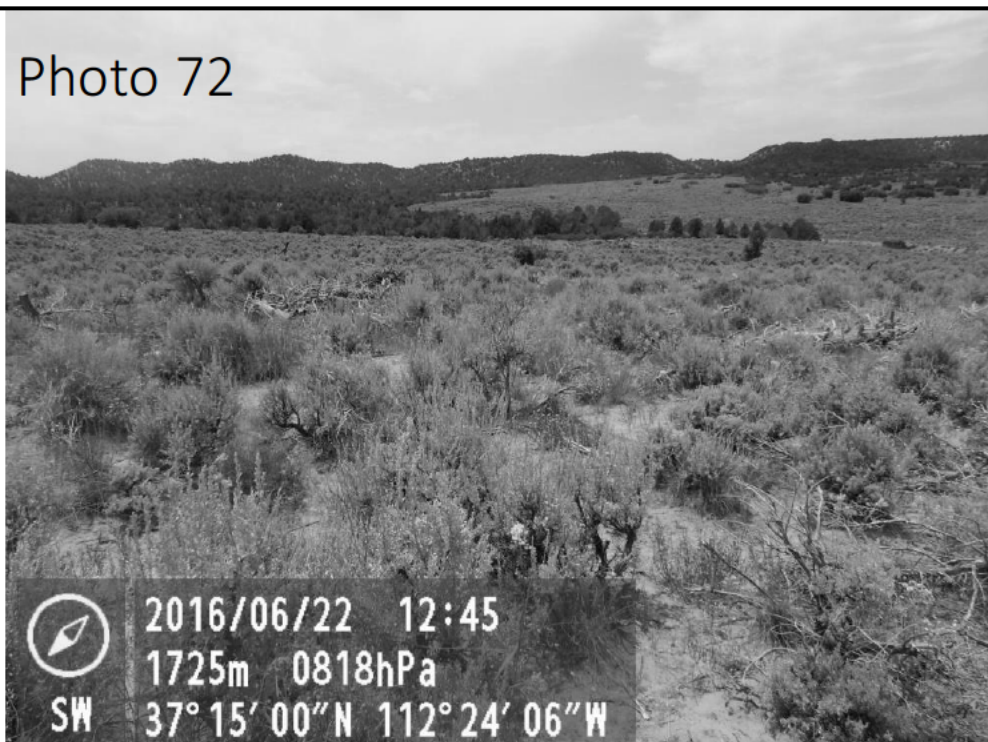
SSE

2016/06/22 12:30

1724m 0818hPa

37° 15' 01" N 112° 24' 07" W

Photo 72



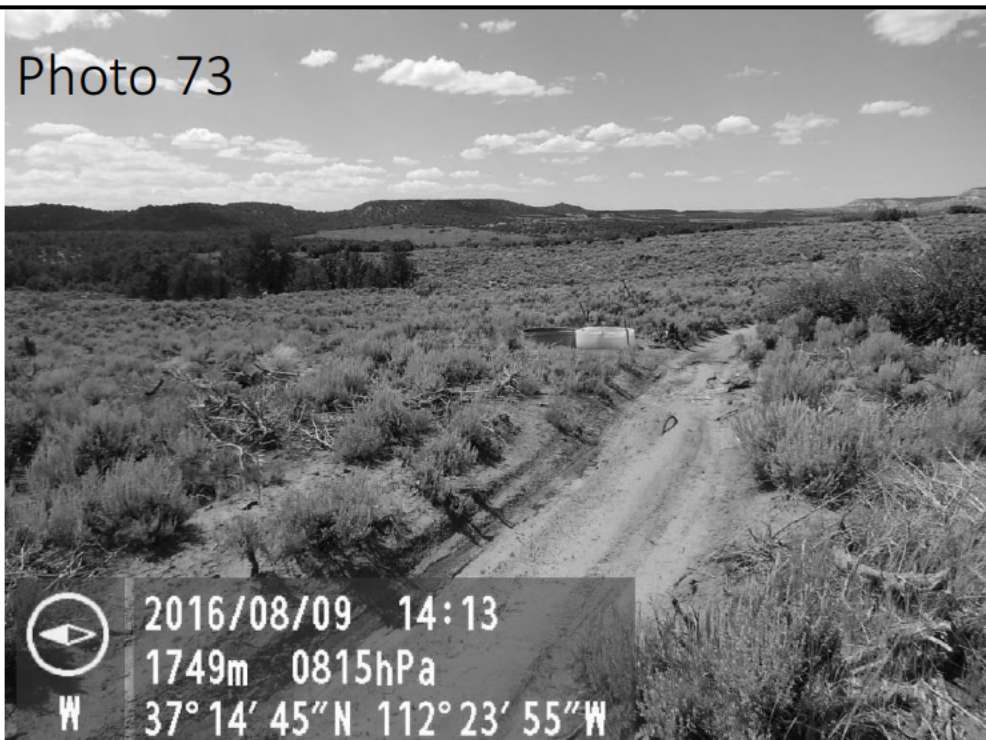
SW

2016/06/22 12:45

1725m 0818hPa

37° 15' 00" N 112° 24' 06" W

Photo 73



W

2016/08/09 14:13
1749m 0815hPa
37° 14' 45" N 112° 23' 55" W

Photo 74



N

2016/08/09 14:14
1748m 0816hPa
37° 14' 45" N 112° 23' 55" W

Photo 75

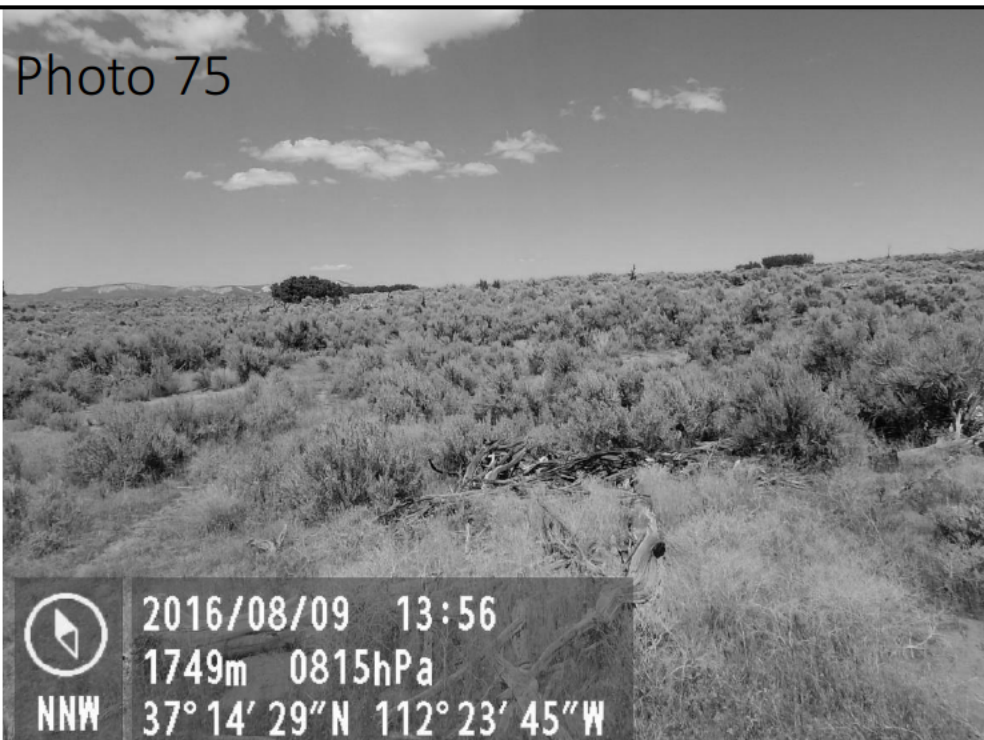


Photo 76

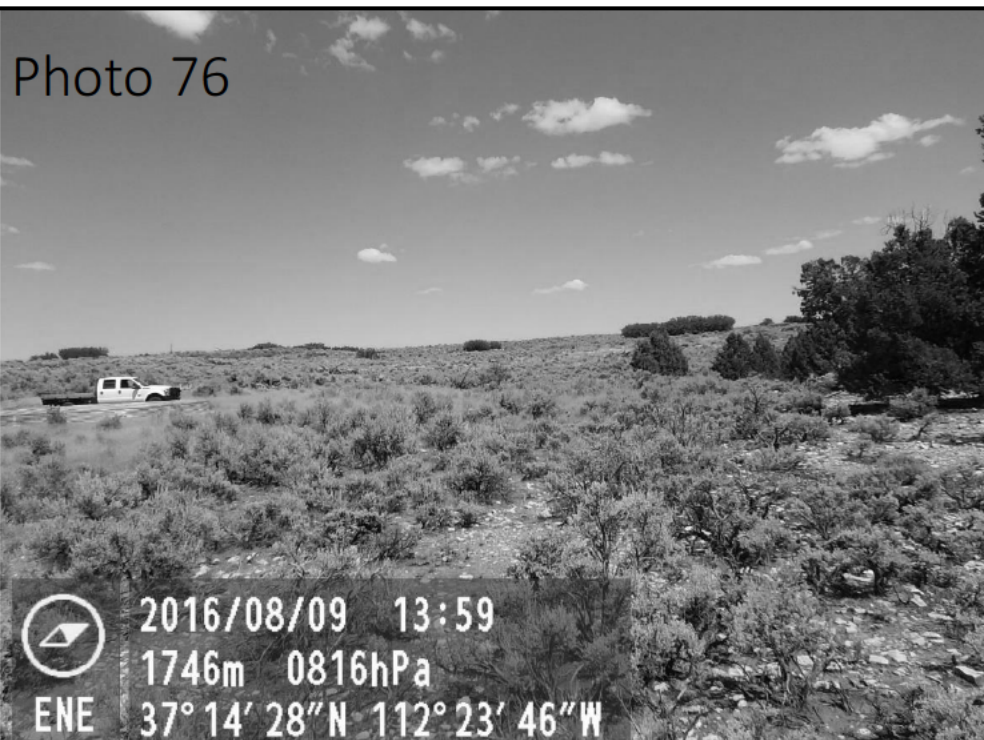


Photo 77



Photo 78



Photo 79

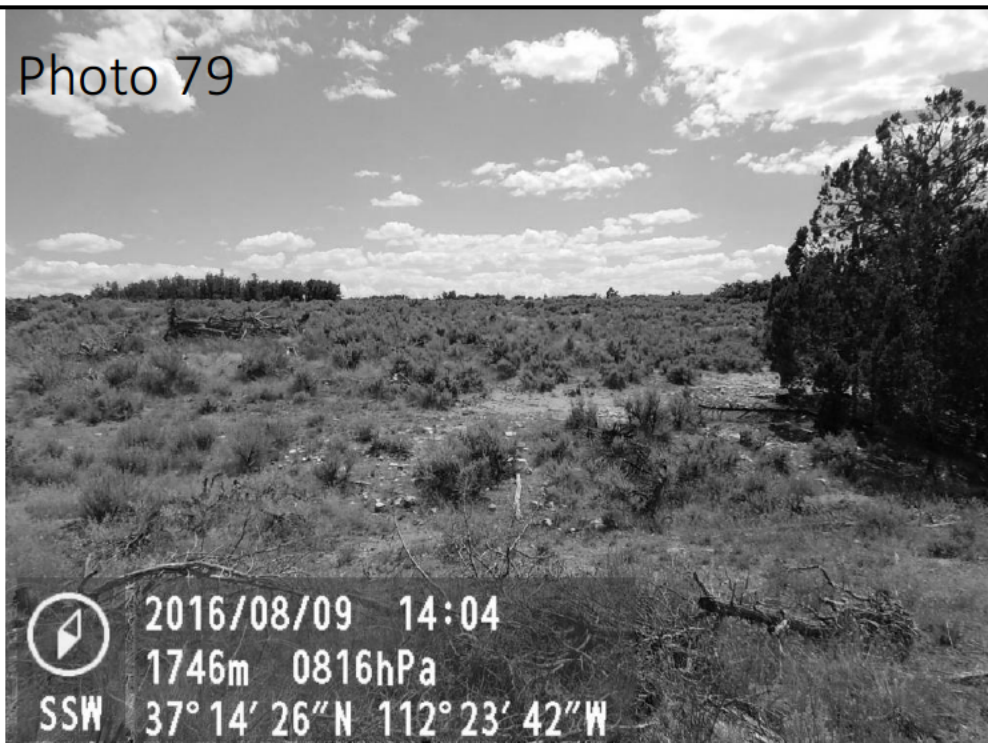


Photo 80



Photo 81



Photo 82



Photo 83

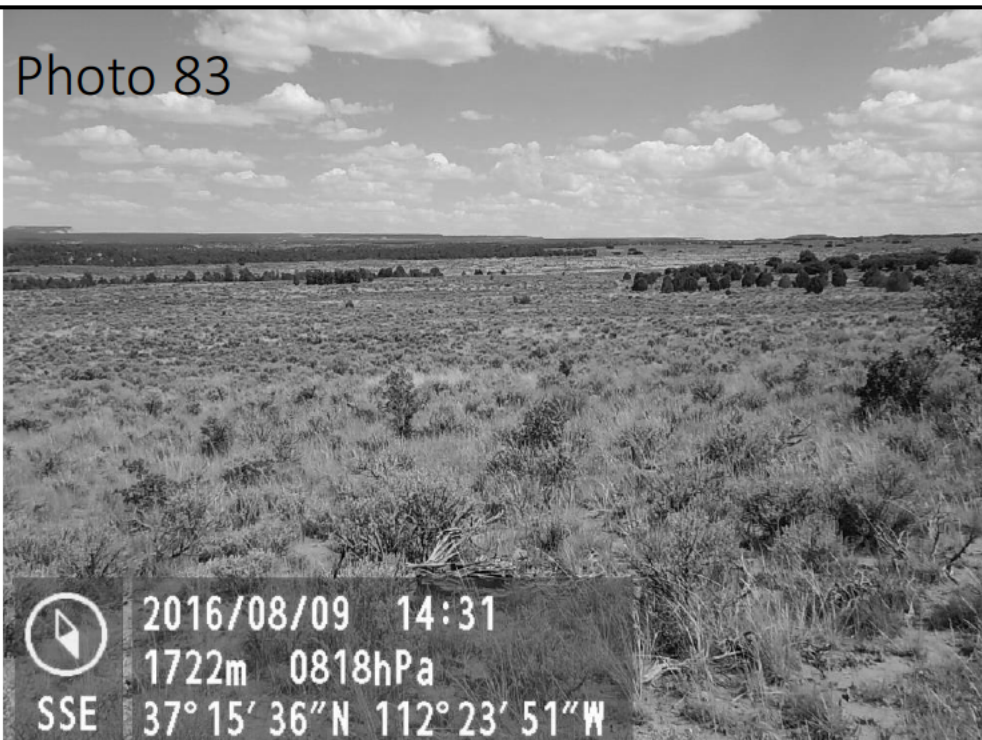


Photo 84

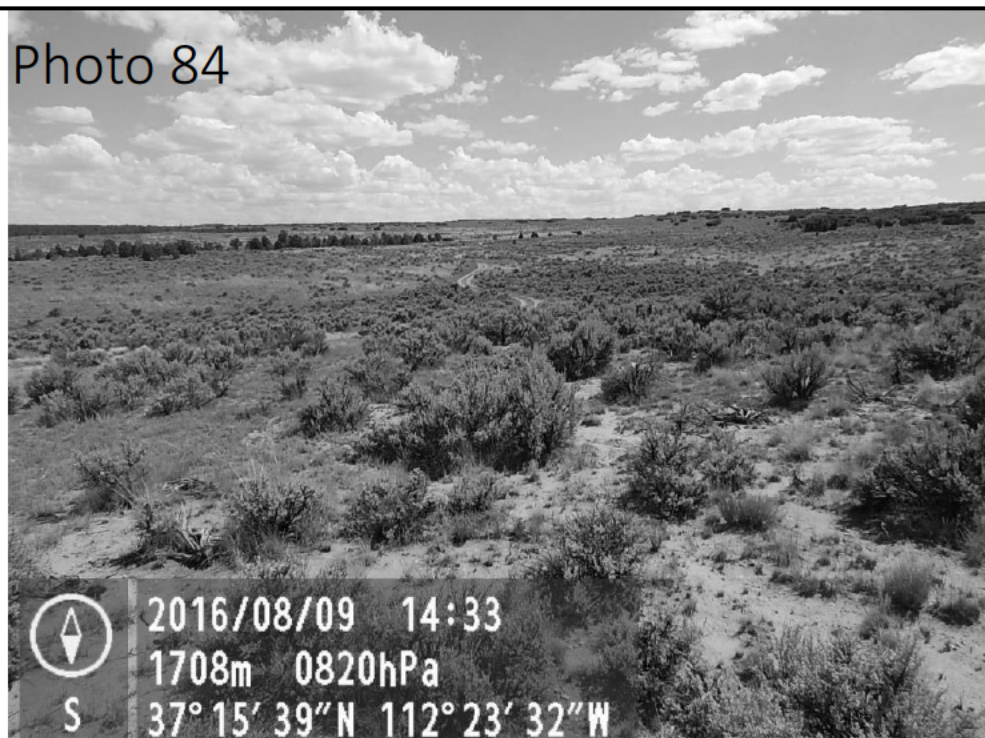


Photo 85

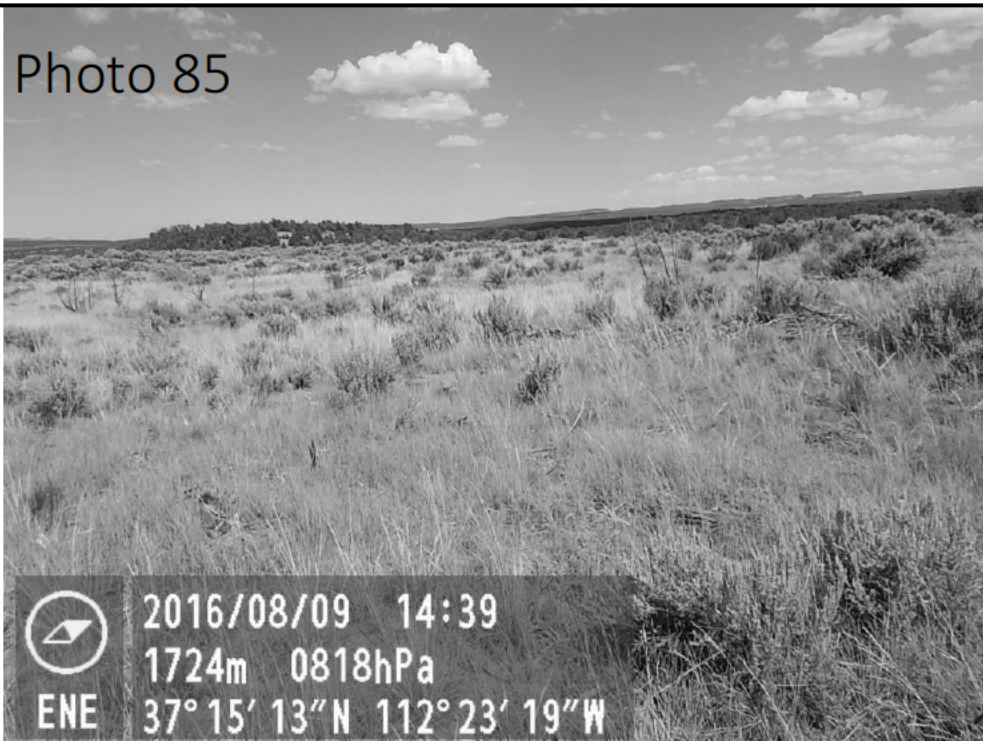


Photo 86



Photo 87



Photo 88

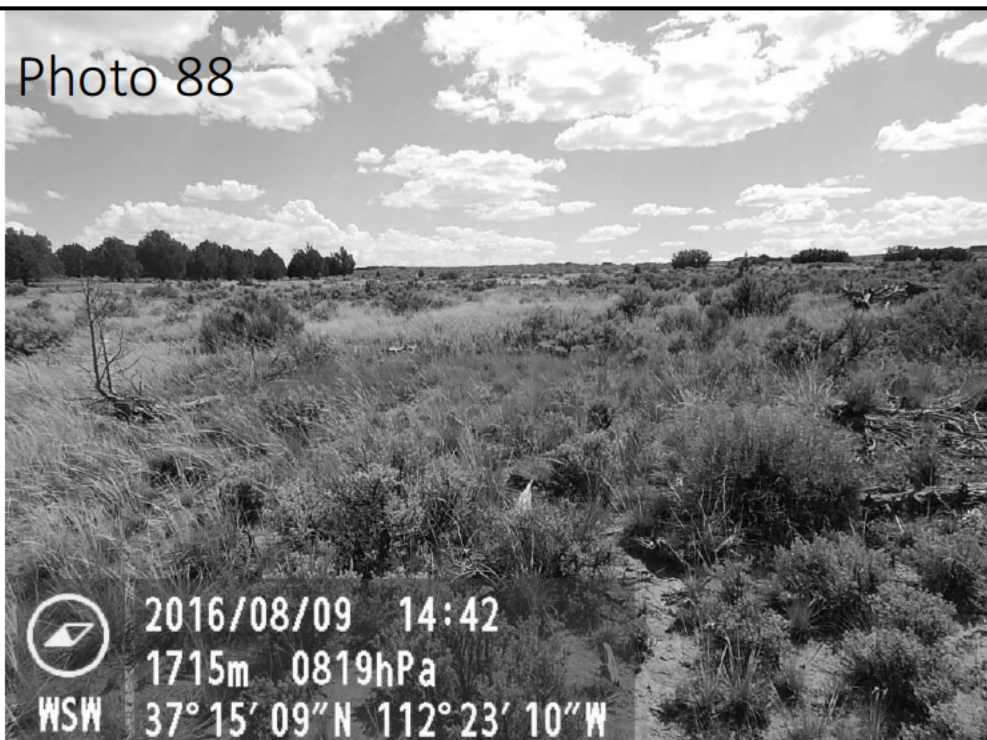
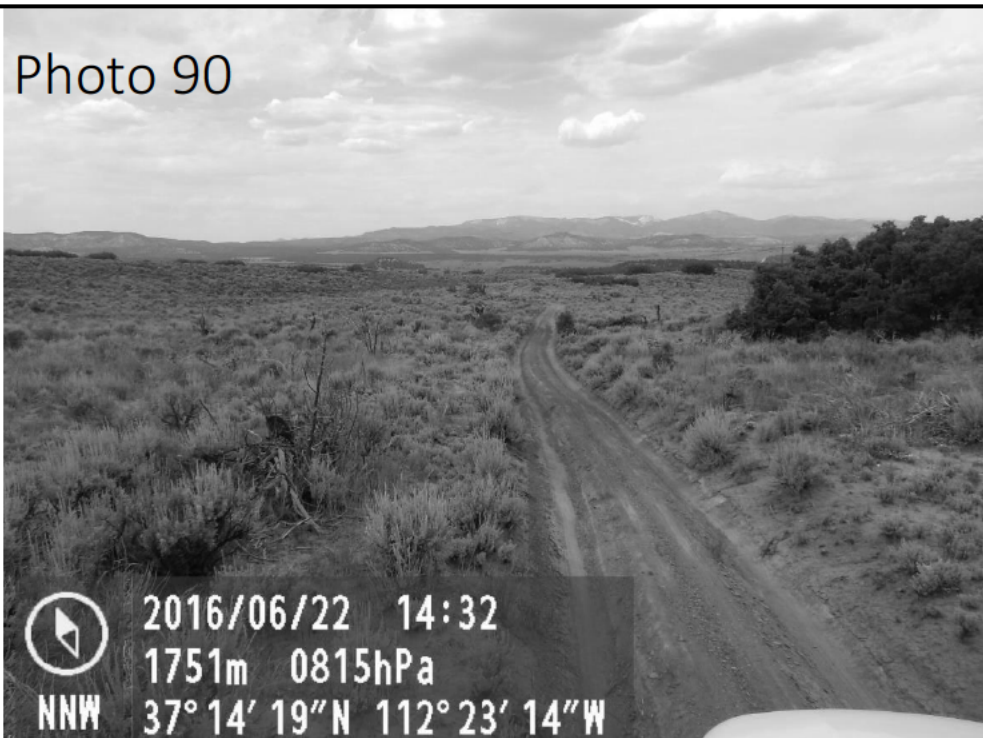


Photo 89



Photo 90



NNW

2016/06/22 14:32

1751m 0815hPa

37° 14' 19" N 112° 23' 14" W

Photo 91

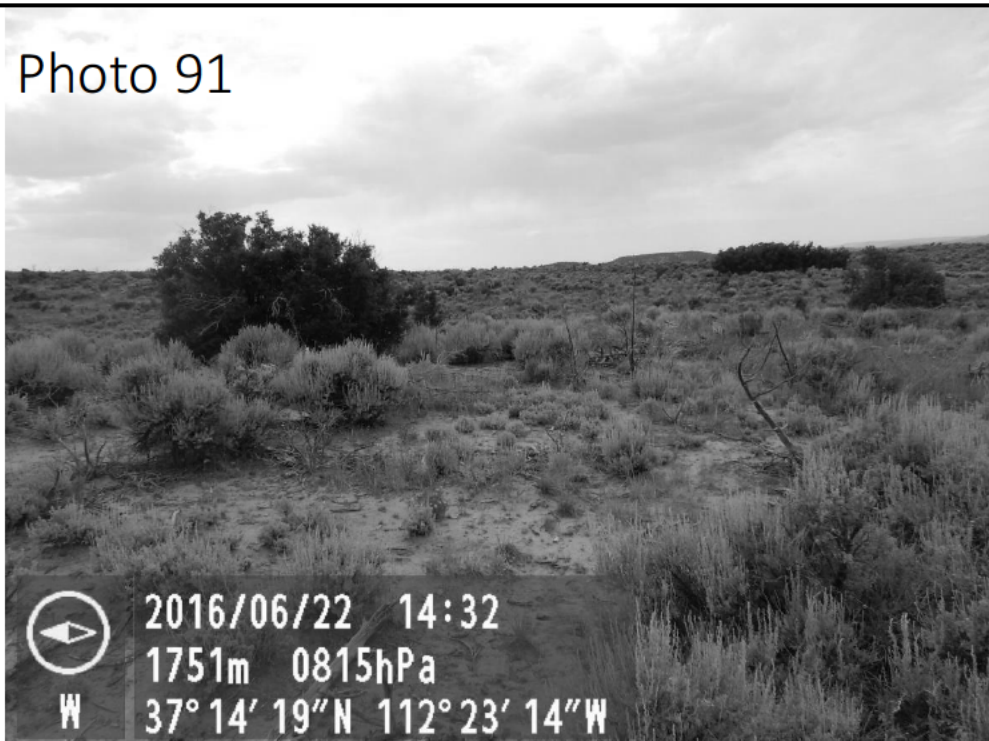


Photo 92

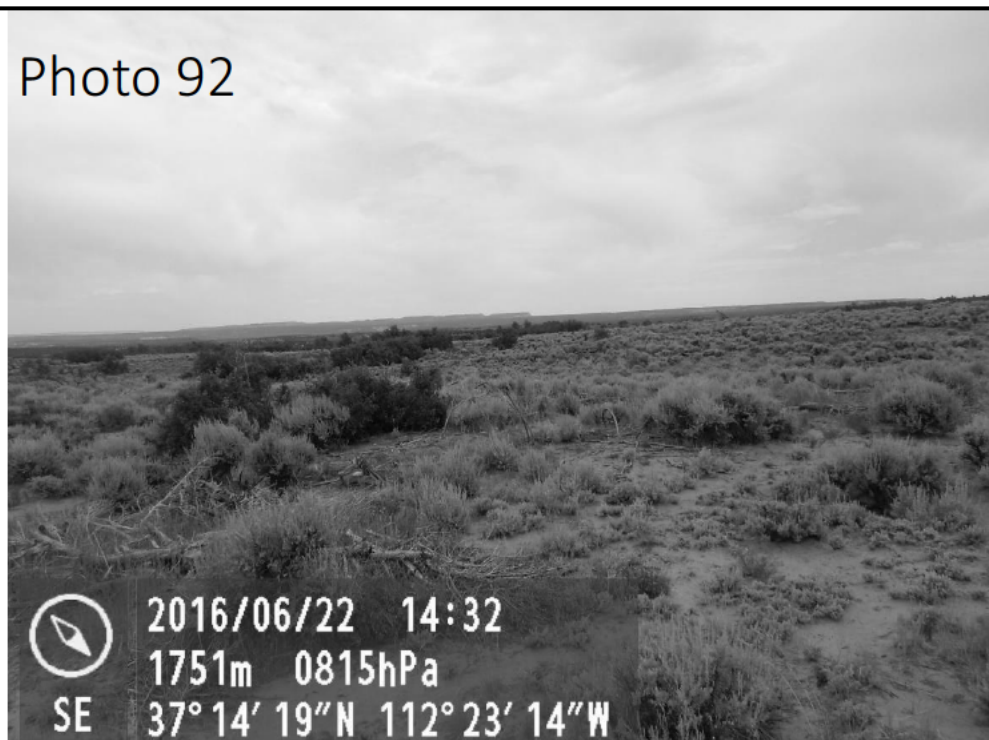


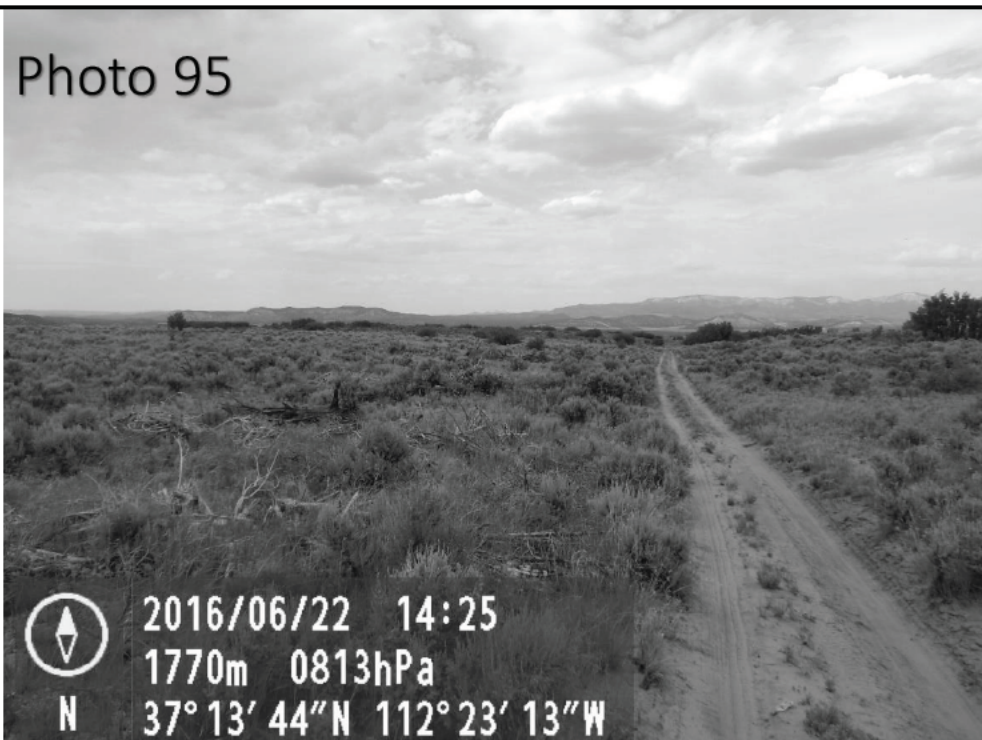
Photo 93



Photo 94



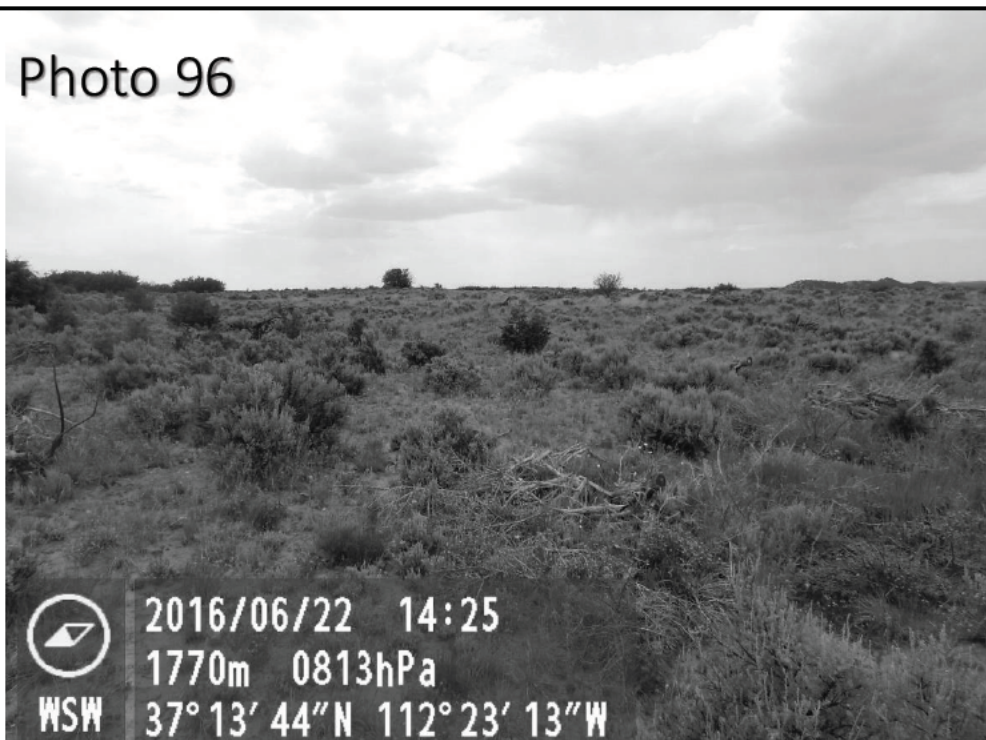
Photo 95



N

2016/06/22 14:25
1770m 0813hPa
37° 13' 44"N 112° 23' 13"W

Photo 96



WSW

2016/06/22 14:25
1770m 0813hPa
37° 13' 44"N 112° 23' 13"W

Photo 97



SSE

2016/06/22 13:36
1799m 0810hPa
37° 13' 20" N 112° 23' 15" W

Photo 98



ENE

2016/06/22 13:43
1779m 0812hPa
37° 13' 20" N 112° 23' 08" W

Photo 99



Photo 100



Photo 101

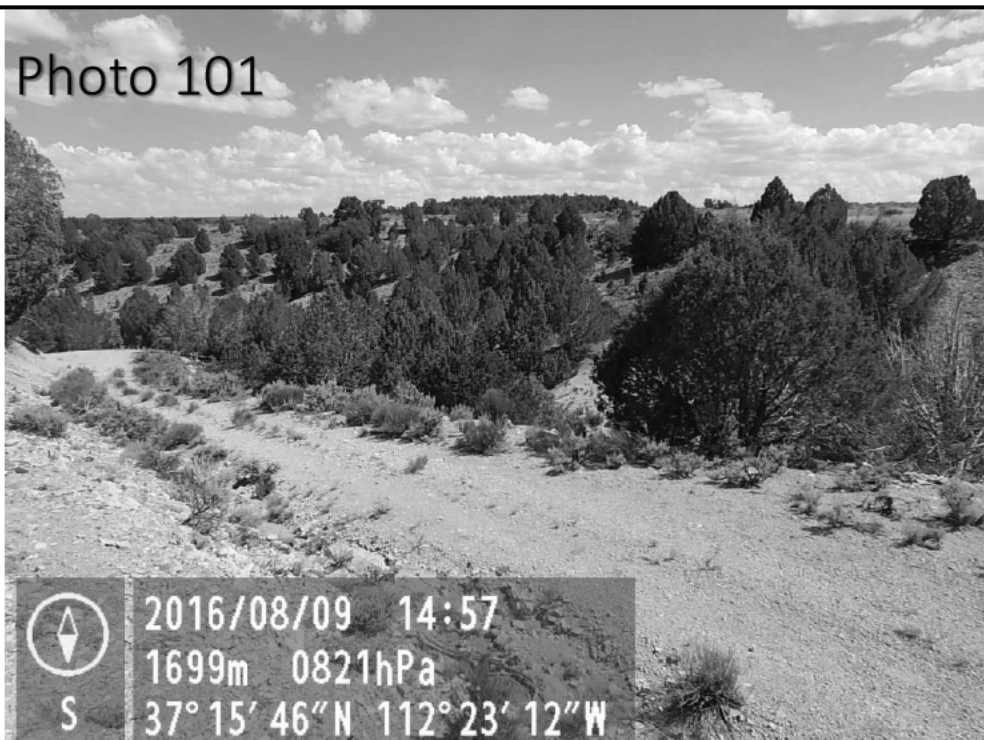


Photo 102





Photo 105



Photo 106



Photo 107



2016/06/23 09:21
1629m 0828hPa
37° 15' 11"N 112° 22' 30"W

Photo108



Photo 109



Photo 110

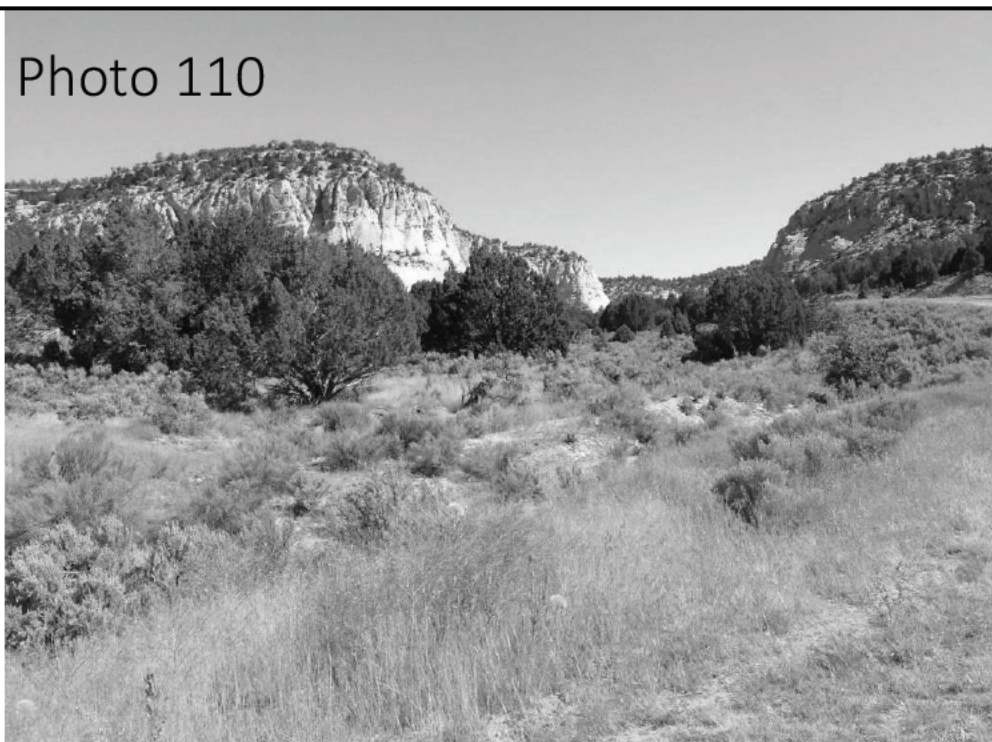




Photo 113



Photo 114





Photo 117



Photo 118



Photo 119



Photo 120



Photo 121



Photo 122





