



FRIENDS of NEVADA WILDERNESS

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BLM NVSO IAC

January 26, 2018

Delivered by overnight mail

Bureau of Land Management
Nevada State Office
1340 Financial Boulevard
Reno, NV 89502-7147

Re: Protest of March 2018 oil and gas lease sale

To Whom It May Concern:

Please accept and fully consider this timely protest of BLM Nevada's March 2018 lease sale. This protest challenges BLM's Environmental Assessment (EA), DOI-BLM-NV-E000-2017-0017-EA, and the agency's decision to proceed with the sale of new leases located in the Elko District. We specifically protest the following parcels:

NV-18-03-37
NV-18-03-38
NV-18-03-39

Interests of the Protesting Parties

The Wilderness Society ("TWS") has a long-standing interest in the management of Bureau of Land Management lands in Nevada and engages frequently in the decision-making processes for land use planning and project proposals that could potentially affect wilderness-quality lands and other important natural resources managed by the BLM in Nevada. TWS members and staff enjoy a myriad of recreation opportunities on BLM-managed public lands, including hiking, biking, nature-viewing, photography, and the quiet contemplation in the solitude offered by wild places. Founded in 1935, our mission is to protect wilderness and inspire Americans to care for our wild places.

Friends of Nevada Wilderness ("FNW") is dedicated to preserving all qualified Nevada public lands as wilderness, protecting all present and potential wilderness from ongoing threats, educating the public about values of- and need for- wilderness, and improving the management and restoration of wild lands. Incorporated in 1984, FNW today has 7,000 supporters and over 800 paid members who are passionate about protecting BLM-managed wild lands for recreation, scientific study, and to maintain healthy ecosystems for wildlife.

Authorization to File This Protest

Nada Culver is authorized to file this protest on behalf of The Wilderness Society and its members and supporters as Senior Counsel and Director of The Wilderness Society's BLM Action Center.

Kirk Peterson is authorized to file this protest on behalf of Friends of Nevada Wilderness as the organization's Inventory Coordinator.

Statement of Reasons

- I. BLM has failed to respond to significant new information submitted by the public regarding lands with wilderness characteristics.**

The protested parcels overlap with the citizen-inventoried Mountain Lion Springs and Goshute Canyon Wilderness Additions LWC units, which we submitted with our comments on the preliminary EA. See Exhibit 1. That inventory information meets the minimum standards for review of new information set forth in BLM Manual 6310:

- i. a map of sufficient detail to determine specific boundaries of the area in question;
- ii. a detailed narrative that describes the wilderness characteristics of the area and documents how that information substantially differs from the information in the BLM inventory of the area's wilderness characteristics; and
- iii. photographic documentation.

BLM Manual 6310 at .06(B)(1)(b). *See* Exhibit 2. When BLM receives information that meets these minimum standards, the agency is directed to review the information "as soon as practicable," "make the findings available to the public," and "retain a record of the evaluation and the findings as evidence of the BLM's consideration." *Id.* at .06(B)(2).

BLM did not respond to our citizen inventory information in the revised EA, and in fact has not acknowledged or responded to our inventory information in any way. The inventory we submitted constitutes significant new information about the affected environment that BLM is required to consider in this EA.

The decision to ignore public input on affected wilderness resources contravenes the "hard look" requirement of the National Environmental Policy Act (NEPA). *See* 42 U.S.C. § 4332(2)(C). Numerous courts have applied the hard look mandate to overturn agency decisions that ignored substantive, relevant wilderness information provided by the public, including citizen-submitted wilderness inventories. *See, e.g., Or. Natural Desert Ass'n v. Rasmussen*, 451 F. Supp. 2d 1202, 1211-13 (D. Ore. 2006) (holding that BLM violated the hard-look requirement of NEPA when it dismissed a citizen-submitted inventory "[w]ith a broad brush"); *SUWA v. Norton*, 457 Supp. 2d 1253, 1263-65 (D. Utah 2006) ("...Utah BLM ignored significant new information...information provided by the Southern Utah Wilderness Alliance...presented a textbook example of significant new information about the affected environment (the wilderness attributes and characteristics...)"); *Biodiversity Conservation Alliance*, 183 IBLA 97, 2013 IBLA Lexis *1, *28-*29 (2013) (rejecting a claim that BLM violated the hard-look

requirement where BLM “specifically evaluated citizens’ wilderness proposals [so that the citizens’ proposals had] become administratively final...”).

By completely ignoring the significant new information we submitted for the Mountain Lion Springs complex, BLM is failing to take the requisite “hard look” at how the sale of the parcels listed above would affect wilderness resources in the Elko District, as required by the cases cited above.

Furthermore, even if the agency were found to have considered, and decided against, an inventory update, the decision not to update would likely be found arbitrary and capricious under the Administrative Procedure Act (APA). *See* 5 U.S.C. § 706. The inventory information we submitted specifically described how our inventory findings differ from information in the BLM inventory of the area’s wilderness characteristics. At the time we submitted our inventory, the most current information from BLM that we could locate about the wilderness characteristics for this area was found in the BLM 1980 Proposed Wilderness Study Areas (Intensive Wilderness Inventory), and the deficiencies of those inventories are addressed in our inventory reports. While BLM claims to have updated LWC inventory information for some areas in the Elko District, the information presented in the EA, including in Table 3.2-3, does not include any maps, inventory reports, or even names of LWC units to allow the public any understanding whatsoever of the location or status of these LWC areas.

Surely, BLM cannot conduct a deficient wilderness inventory, ignore citizen inventories and comments submitted in response to its inventory, fail to provide the public with updated inventory information that they agency has generated, and then rely on an unclear combination of agency inventory information to make project-level decisions that could compromise wilderness quality lands within its jurisdiction. Since the agency has no obligation to involve the public during its inventory process, the duty to maintain a current inventory, which includes the obligation to consider updates before project-level decisions, was doubtlessly designed to safeguard wilderness lands, as well as the public interest in protecting those lands. Therefore, any agency decision not to update its existing inventory in light of this information would likely constitute an abuse of agency discretion under the APA.

BLM must defer leasing these parcels until the agency has updated its inventory for the Mountain Lion Springs complex in response to the significant new information we submitted with our comments on the preliminary EA. For all areas that BLM finds to possess wilderness characteristics, BLM must defer leasing until the agency has made management decisions for those lands through a public planning process.

II. BLM has failed to consider alternatives for protecting wilderness resources in the Elko District, in violation of NEPA.

BLM has not evaluated a reasonable range of alternatives for protecting the wilderness characteristics of parcels in the Elko District. As discussed in our comments on the preliminary EA, the EA offers only two alternatives: a No Action alternative, and a Proposed Action alternative. An obvious reasonable alternative which should have been analyzed is one in which parcels overlapping areas with wilderness characteristics are deferred, and other parcels are leased. Under NEPA, BLM must consider a broad range of alternatives to mitigate environmental impacts. 40 C.F.R. § 1502.14(a); *see also Theodore Roosevelt Conservation P’ship v. Salazar*, 661 F.3d 66, 72-73 (D.C. Cir. 2011) (requiring BLM to consider a reasonable range of alternatives for oil and gas activity); IM 2010-117 (requiring consideration of “alternatives to the proposed action that may address unresolved resource conflicts.”). This

requirement applies equally to EAs and EISs. *Davis v. Mineta*, 302 F.3d 1104, 1120 (10th Cir. 2002); *Bob Marshall Alliance v. Hodel*, 852 F.2d 1223, 122829 (9th Cir. 1988).

The range of alternatives is the heart of a NEPA document because “[w]ithout substantive, comparative environmental impact information regarding other possible courses of action, the ability of [a NEPA analysis] to inform agency deliberation and facilitate public involvement would be greatly degraded.” *New Mexico ex rel. Richardson v. BLM*, 565 F.3d 683, 708 (10th Cir. 2009). That analysis must cover a reasonable range of alternatives, so that an agency can make an informed choice from the spectrum of reasonable options. An EA offering a choice between leasing every parcel nominated, and leasing nothing at all, does not present a reasonable range of alternatives. See *TWS v. Wisely*, 524 F. Supp. 2d 1285, 1312 (D. Colo. 2007) (BLM violated NEPA by failing to consider “middle-ground compromise between the absolutism of the outright leasing and no action alternatives”); *Muckleshoot Indian Tribe v. US Forest Serv.*, 177 F.3d 800, 813 (9th Cir. 1999) (NEPA analysis failed to consider reasonable range of alternatives where it “considered only a no action alternative along with two virtually identical alternatives”).

Current policies confirm the manner in which the alternatives requirement applies to wilderness characteristics, providing that BLM must fully “consider” wilderness characteristics during planning actions and evaluate a range of measures to protect wilderness characteristics during the leasing process, including measures not contained in existing RMPs. See IM 2011-154 at Att. 2; IM 2010-117 at III. E., F.

A “rule of reason” is used to determine if an adequate range of alternatives have been considered; this rule is governed by two guideposts: (1) the agency’s statutory mandates; and (2) the objectives for the project. *New Mexico ex rel. Richardson*, 565 F.3d at 708. Here, there is no doubt that BLM’s legal mandates under FLPMA and NEPA require it to fully consider the protection of wilderness values, and under IM 2010-117, the agency must treat the “protection of other important resources and values” as an equally important objective to leasing.

Yet, in the EA, BLM has failed to evaluate an adequate range of alternatives that would protect the wilderness characteristics of parcels in the Elko District from the impacts of the lease sale. Such alternatives include offering the parcels with NSO stipulations or deferring the parcels. Because the BLM has not considered those alternatives, or additional alternatives to protect the wilderness characteristics of the proposed parcels, it must defer the parcels from the lease sale.

Conclusion

We hope to see BLM complete needed analysis and fully comply with applicable law and guidance prior to proceeding with leasing the protested parcels.

Sincerely,



Nada Culver, Director and Senior Counsel
BLM Action Center

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A handwritten signature in black ink, appearing to read "Kirk Peterson", with a long horizontal flourish extending to the right.

Kirk Peterson, Inventory Coordinator
Friends of Nevada Wilderness
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Exhibits:

1. TWS and FNW comments on preliminary EA
2. Citizen wilderness inventory for Mountain Lion Springs
3. Citizen wilderness inventory for Goshute Canyon Wilderness Additions

EXHIBIT 1



FRIENDS of NEVADA WILDERNESS

November 16, 2017

Delivered via email to TuscFO_NEPA@blm.gov

BLM Elko District Office
Attn.: March 2018 Oil & Gas Lease Sale Project Coordinator
3900 E. Idaho Street
Elko, NV 89801

Re: Comments on the preliminary environmental assessment for the Nevada March 2018 Oil and Gas Lease Sale (DOI-BLM-NV-E000-2017-0017-EA)

To whom it may concern:

Please accept and fully consider these comments on the preliminary EA for BLM Nevada's March 2018 oil and gas lease sale, submitted on behalf of The Wilderness Society and Friends of Nevada Wilderness. Our organizations and our members are deeply invested in sound stewardship of our public lands, and we appreciate this opportunity to participate in the NEPA process for oil and gas leasing.

I. Lands with Wilderness Characteristics

Lands with wilderness characteristics (LWC) are one of the resources of the public lands that must be inventoried and considered under the Federal Land Policy and Management Act (FLPMA). 43 U.S.C. § 1711(a); see also *Ore. Natural Desert Ass'n v. BLM*, 625 F.3d 1092, 1122 (9th Cir. 2008) (holding that "wilderness characteristics are among the 'resource and other values' of the public lands to be inventoried under § 1711"). The National Environmental Policy Act (NEPA) requires BLM to analyze baseline conditions when undertaking environmental analysis. 40 C.F.R. § 1502.15 requires agencies to "describe the environment of the areas to be affected or created by the alternatives under consideration." In *Half Moon Bay Fisherman's Marketing Ass'n v. Carlucci*, 857 F.2d 505, 510 (9th Cir. 1988), the Ninth Circuit states that "without establishing . . . baseline conditions . . . there is simply no way to determine what effect [an action] will have on the environment, and consequently, no way to comply with NEPA." Because lands with wilderness characteristics are one of the resources of the public lands that must be inventoried under FLPMA, BLM must have accurate LWC inventory information available to establish baseline conditions required for NEPA analysis.

In compliance with FLPMA and NEPA, BLM must update its inventory of lands with wilderness characteristics, analyze impacts to lands with wilderness characteristics in the EA, and consider alternatives to protect wilderness resources.

- a. We are submitting new wilderness inventory information that BLM must consider in this NEPA process.

We are including with these comments citizens' lands with wilderness characteristics inventories for the following areas:

- Mountain Lion Springs, which overlaps with lease parcels 37, 38, and 39.
- Goshute Canyons Additions, which overlaps with lease parcel 39.
- Rocky Point, which does not overlap with lease parcels in this sale but is in the vicinity so we are providing to BLM at this time.

These inventory report constitutes significant new information about the affected environment that BLM is required to consider in this EA. Additionally, these citizen inventories meet the minimum standards for review of new information set forth in BLM Manual 6310:

- i. a map of sufficient detail to determine specific boundaries of the area in question;
- ii. a detailed narrative that describes the wilderness characteristics of the area and documents how that information substantially differs from the information in the BLM inventory of the area's wilderness characteristics; and
- iii. photographic documentation.

BLM Manual 6310 at .06(B)(1)(b). When BLM receives information that meets these minimum standards, the agency is directed to review the information "as soon as practicable," "make the findings available to the public," and "retain a record of the evaluation and the findings as evidence of the BLM's consideration." *Id.* at .06(B)(2). IM 2013-106 directs that BLM field offices should make finalized and signed wilderness characteristics inventory findings available to the public before the inventory data is used to inform decisions. Therefore, BLM must respond to our citizen inventory information prior to offering parcels for lease that overlap with our citizen inventory areas.

In addition to complying with agency policy, BLM must consider our LWC inventories in this NEPA process order to comply with the "hard look" requirement of NEPA. *See* 42 U.S.C. § 4332(2)(C). Numerous courts have applied the hard look mandate to overturn agency decisions that ignored substantive, relevant wilderness information provided by the public, including citizen-submitted wilderness inventories. *See, e.g., Or. Natural Desert Ass'n v. Rasmussen*, 451 F. Supp. 2d 1202, 1211-13 (D. Ore. 2006) (holding that BLM violated the hard-look requirement of NEPA when it dismissed a citizen-submitted inventory "[w]ith a broad brush"); *SUWA v. Norton*, 457 Supp. 2d 1253 1263-65 (D. Utah 2006) ("...Utah BLM ignored significant new information...information provided by the Southern Utah Wilderness Alliance...presented a textbook example of significant new information about the affected environment (the wilderness attributes and characteristics...)").

BLM must defer all of these parcels until the agency has updated its inventory for the Mountain Lion Springs area in response to the significant new information submitted with these comments. For all areas that BLM finds to possess wilderness characteristics, BLM must defer leasing until the Elko RMP is revised and the agency has made management decisions for those lands consistent with BLM Manual 6320.

b. BLM must defer leasing in inventoried lands with wilderness characteristics until management decisions are made for those areas.

The EA indicates that BLM has been updating its lands with wilderness characteristics inventory in the Elko District, and some of the lease parcels overlap with LWC inventory areas: "The EDO BLM began updating the lands with wilderness characteristics (LWC) inventory in 2011 on a project driven basis. The 38 parcels up for lease intersect 16 LWC inventory areas." EA, p. 68 and Table 3.2-3. These LWC areas have not been considered for protective management in a land use plan: "Currently, the Elko District Office does not have a land use plan amendment to determine if or how these LWC units would be managed to protect wilderness characteristics." EA, p. 70. Therefore, BLM must defer leasing these areas until the agency has had an opportunity to make management decisions for those lands through a public planning process consistent with BLM Manual 6320.

BLM's Land Use Planning Handbook 1601-1, § VII (E) specifically states that it may defer decisions in a planning area even when the existing plan allows the action if the choice of alternatives in an RMP revision may be impacted. The 10th Circuit Court of Appeals confirmed this discretion in *New Mexico v. BLM*, 565 F.3d. 683 at 698 (10th Cir. 2009) when it stated, "[i]f the agency wishes to allow oil and gas leasing in the plan area it must undertake additional analysis...but it retains the option of ceasing such proceedings entirely". BLM regularly exercises this discretion to defer parcels in inventoried lands with wilderness characteristics for which the agency has not yet made management decisions.

For example, the White River Field Office deferred leasing on over 250,000 acres of inventoried wilderness characteristics while it was completing an oil and gas RMP amendment:

The WRFO is currently working on a Resource Management Plan Amendment and associated EIS that will address the potential impacts of significant increases in oil and gas development within the field office over the next 20 years... Because the leasing of lands with wilderness characteristics is likely to result in indirect, adverse impacts to this resource value, it is recommended that until a decision is made on the management of these units, the areas where lands with wilderness characteristics units overlap with nominated parcels be deferred, as under Alternative 3, with the exception being the tracts from Alternative 2 listed in the above . . . which can be leased, and mitigated if needed, to result in not impacting lands with wilderness characteristics.

EA for the White River Field Office June 2014 Competitive Oil & Gas Lease Sale, p. 77 (emphasis added).

As another example, the Grand Junction Field Office is deferring lease parcels from its December 2017 lease sale in areas that BLM recently inventoried and found to have wilderness characteristics. BLM states: "Portions of the following parcels were deferred due to having lands with wilderness characteristics that require further evaluation." Preliminary DNA, p. 1. The Grand Junction Field Office completed its RMP revision in 2015 but has still determined that it is inappropriate to lease areas that have been inventoried and found to possess wilderness characteristics since the RMP was completed in order to consider management options for those wilderness resources.

BLM Nevada must similarly defer leasing in inventoried lands with wilderness characteristics that have not been considered for protective management in a land use plan. This approach is consistent with agency policy and authority, and is critical to preserving BLM's ability to make management decisions for those newly-inventoried wilderness resources through a public planning process.

c. The EA fails to consider alternatives for protecting wilderness resources in the Elko District, in violation of NEPA.

BLM has not evaluated a reasonable range of alternatives for protecting the wilderness characteristics of parcels in the Elko District. The EA considers an alternative to “withdraw additional parcels,” but that alternative only considers withdrawing parcels based on Native American Religious Concerns and not based on any other resource conflicts, including wilderness. EA, p. 15. An obvious reasonable alternative which should have been analyzed is one in which parcels overlapping areas with wilderness characteristics are deferred, and other parcels are leased. Under NEPA, BLM must consider a broad range of alternatives to mitigate environmental impacts. 40 C.F.R. § 1502.14(a); *see also Theodore Roosevelt Conservation P’ship v. Salazar*, 661 F.3d 66, 72-73 (D.C. Cir. 2011) (requiring BLM to consider a reasonable range of alternatives for oil and gas activity); IM 2010-117 (requiring consideration of “alternatives to the proposed action that may address unresolved resource conflicts.”). This requirement applies equally to EAs and EISs. *Davis v. Mineta*, 302 F.3d 1104, 1120 (10th Cir. 2002); *Bob Marshall Alliance v. Hodel*, 852 F.2d 1223, 122829 (9th Cir. 1988).

The range of alternatives is the heart of a NEPA document because “[w]ithout substantive, comparative environmental impact information regarding other possible courses of action, the ability of [a NEPA analysis] to inform agency deliberation and facilitate public involvement would be greatly degraded.” *New Mexico ex rel. Richardson v. BLM*, 565 F.3d 683, 708 (10th Cir. 2009). That analysis must cover a reasonable range of alternatives, so that an agency can make an informed choice from the spectrum of reasonable options. An EA offering a choice between leasing every parcel nominated, and leasing nothing at all, does not present a reasonable range of alternatives. *See TWS v. Wisely*, 524 F. Supp. 2d 1285, 1312 (D. Colo. 2007) (BLM violated NEPA by failing to consider “middle-ground compromise between the absolutism of the outright leasing and no action alternatives”); *Muckleshoot Indian Tribe v. US Forest Serv.*, 177 F.3d 800, 813 (9th Cir. 1999) (NEPA analysis failed to consider reasonable range of alternatives where it “considered only a no action alternative along with two virtually identical alternatives”).

Current policies confirm the manner in which the alternatives requirement applies to wilderness characteristics, providing that BLM must fully “consider” wilderness characteristics during planning actions and evaluate a range of measures to protect wilderness characteristics during the leasing process, including measures not contained in existing RMPs. *See* IM 2011-154 at Att. 2; IM 2010-117 at III. E., F.

A “rule of reason” is used to determine if an adequate range of alternatives have been considered; this rule is governed by two guideposts: (1) the agency’s statutory mandates; and (2) the objectives for the project. *New Mexico ex rel. Richardson*, 565 F.3d at 708. Here, there is no doubt that BLM’s legal mandates under FLPMA and NEPA require it to fully consider the protection of wilderness values, and under IM 2010-117, the agency must treat the “protection of other important resources and values” as an equally important objective to leasing.

Yet, in the EA, BLM has failed to evaluate an adequate range of alternatives that would protect the wilderness characteristics of parcels in the Elko District from the impacts of the lease sale. The revised EA must evaluate an adequate range of alternatives that would protect the wilderness characteristics of parcels in the Elko District Office from the impacts of the lease sale. Such alternatives include offering the parcels with NSO stipulations and deferring the parcels from this sale.

II. The EA is not consistent with the Nevada and NE California Greater Sage-Grouse Approved RMP Amendment, as required by FLPMA.

Under FLPMA, BLM must manage public lands “in accordance with the [applicable] land use plans . . .” 43 U.S.C. § 1732(a); S. Utah Wilderness Alliance v. Norton, 542 U.S. 55, 59-60 (2004). Here, BLM has not prioritized leasing outside of PHMAs and GHMAs, as required by the Great Basin Region ROD, Nevada and NE California Greater Sage-Grouse Approved RMP Amendment (Nevada ARMPA) and IM 2016-143. In fact, the preliminary EA does not even list the Nevada ARMPA in either the section on “Land Use Plan Conformance” or “Relationship to Other Laws, Policies and Plans.” EA, p. 4-5. On the contrary, it inaccurately states: “The BLM is in the process of amending Land Use Plans with language to be applied to public lands with greater sage-grouse.” EA, p. 88. Those plan amendments were finalized in 2015. This indicates that the agency did not consult, and is not ensuring consistency with, the Nevada ARMPA and Great Basin Region ROD, in violation of FLPMA.

Under the Great Basin Region ROD, BLM must:

prioritize oil and gas leasing and development outside of identified PHMAs and GHMAs . . . to further limit future surface disturbance and to encourage new development in areas that would not conflict with GRSg. This objective is intended to guide development to lower conflict areas and, as such, protect important habitat and reduce the time and cost associated with oil and gas leasing development. It would do this by avoiding sensitive areas, reducing the complexity of environmental review and analysis of potential impacts on sensitive species, and decreasing the need for compensatory mitigation.

Great Basin Region ROD at 1-23. The Nevada ARMPA echoes this directive and includes the following objective: “Prioritize the leasing and development of fluid mineral resources outside GRSg habitat.” Nevada ARMPA at 1-10.

Further, in IM 2016-143, BLM has issued guidance elaborating on the way agency staff are to comply with the requirement to prioritize leasing and development outside of sage-grouse habitat: “Lands within GHMAs: BLM state offices will consider EOIs for lands within GHMAs, after considering lands outside of both GHMAs and PHMAs. When considering the GHMA lands for leasing, the BLM State Office will ensure that a decision to lease those lands would conform to the conservation objectives and provision in the GRSg Plans (e.g., Stipulations).”

Importantly, the IM also sets out “factors to consider” (i.e., parcel-specific factors) after applying this prioritization sequence:

- Parcels immediately adjacent or proximate to existing oil and gas leases and development operations or other land use development should be more appropriate for consideration before parcels that are not near existing operations. This is the most important factor to consider, as the objective is to minimize disturbance footprints and preserve the integrity of habitat for conservation.
- Parcels that are within existing Federal oil and gas units should be more appropriate for consideration than parcels not within existing Federal oil and gas units.

- Parcels in areas with higher potential for development (for example, considering the oil and gas potential maps developed by the BLM for the GRSB Plans) are more appropriate for consideration than parcels with lower potential for development. The Authorized Officer may conclude that an area has “higher potential” based on all pertinent information, and is not limited to the Reasonable Foreseeable Development (RFD) potential maps from Plans analysis.
- Parcels in areas of lower-value sage-grouse habitat or further away from important life-history habitat features (for example, distance from any active sage-grouse leks) are more appropriate for consideration than parcels in higher-value habitat or closer to important life-history habitat features (i.e. lek, nesting, winter range areas). At the time the leasing priority is determined, when leasing within GHMA or PHMA is considered, BLM should consider, first, areas determined to be non-sage-grouse habitat and then consider areas of lower value habitat.
- Parcels within areas having completed field-development Environmental Impact Statements or Master Leasing Plans that allow for adequate site-specific mitigation and are in conformance with the objectives and provisions in the GRSB Plans may be more appropriate for consideration than parcels that have not been evaluated by the BLM in this manner.
- Parcels within areas where law or regulation indicates that offering the lands for leasing is in the government’s interest (such as in instances where there is drainage of Federal minerals, 43 CFR § 3162.2-2, or trespass drilling on unleased lands) will generally be considered more appropriate for leasing, but lease terms will include all appropriate conservation objectives and provisions from the GRSB Plans.
- As appropriate, use the BLM’s Surface Disturbance Analysis and Reclamation Tracking Tool (SDARTT) to check EOI parcels in PHMA, to ensure that existing surface disturbance does not exceed the disturbance and density caps and that development of valid existing rights (Solid Minerals, ROW) for approved-but-not-yet-constructed surface disturbing activities would not exceed the caps.

Yet, the EA fails to cite the “prioritization” requirement altogether. There is no discussion of the prioritization sequence or parcel-specific factors set forth in IM 2016-143 or of the broader requirement to “prioritize” established in the Great Basin Region ROD and Nevada ARMPA. As stated above, the EA inexplicably claims that the Nevada ARMPA has not been finalized yet. As a consequence, BLM is now proposing to lease oil and gas parcels within GHMAs and PHMAs, without making any effort to prioritize leasing in other, less sensitive areas. See EA Figures 3.2.22-3.2.26.

In other recent lease sale EAs, BLM has applied the parcel specific factors and described how the factors informed its proposed action. For example, in the Draft EA for Wyoming BLM’s August 2017 Lease Sale, BLM applied the parcel-specific factors to justify a deferral decision:

After careful review of the parcels, the BLM has determined that it was appropriate to defer certain parcels nominated for inclusion in the August 2017 oil and gas lease sale...These deferrals were made consistent with the BLM’s sage-grouse conservation plans and strategy, which direct the BLM to prioritize oil and gas leasing and development in a manner that minimizes resource conflicts in order to protect important habitat and reduce development time and costs. Parcels deferred are generally located in sage-grouse important life-history habitat features such as active or occupied leks, and/or are not proximate to existing development, and are in areas of low oil and gas development potential.

Draft EA at 1-2, 1-3. In that same sale, BLM also applied the parcel-specific factors to justify a decision to carry forward parcels for leasing:

Parcels WY-1708-153 and WY-1708-154 are proximate or adjacent to federal oil and gas leases with active development and production (within 2 miles of leases currently held by production), and have no known sage-grouse leks within the boundaries. The area is also proximate to bentonite mining claims, disturbance, and activity.

Draft EA at 3-8. Thus, in the Wyoming sale, BLM proposed deferring parcels on lands with high-quality sage-grouse habitat, low potential for oil and gas development, and minimal nearby development, and it proposed carrying forward parcels on lands with lower-quality habitat near existing development. BLM clearly applied and weighed the factors to reach a reasoned leasing decision.

As another, more recent example, in the Draft EA for Utah's December 2017 Oil and Gas Lease Sale in the Vernal Field Office, BLM applied each of the parcel specific factors to each of the proposed parcels in or near sage-grouse habitat. For each individual parcel, BLM determined whether it was adjacent to an existing lease, within an existing unit, within an area with a field development EIS, or within an area with high development potential. See Draft EA at 35 – 45. BLM also evaluated the quality of the sage-grouse habitat within each of the parcels, including the amount and percentage of winter and brood-rearing habitat and the distance of each parcel to nearby leks. Id. BLM clearly and carefully applied each of the relevant parcel specific factors to each of the parcels. It also directly addressed the “most important factor” – the proximity of the leases to existing leases and development.

These examples underscore the inadequacy of the EA for the Elko District Office's March 2018 lease sale and confirm that when parcels are proposed in or near PHMA and GHMA, BLM must apply the prioritization sequence and weigh the parcel-specific factors in reaching a leasing decision. It must also comply with the requirement in the Great Basin Region ROD and Nevada ARMPA to prioritize development outside of GHMA and PHMA, guiding development to lower conflict areas so as to thereby protect important habitat areas and reduce the time and cost associated with oil and gas development.

III. Cumulative Impact Analysis

The proposed parcels are in the vicinity of – and parcels 31, 32 and 33 are adjacent to – parcels currently being considered by BLM and the US Forest Service for oil and gas leasing in the Ruby Mountains.¹ NEPA requires federal agencies to assess the direct, indirect and cumulative environmental impacts of proposed actions, taking a “hard look” at environmental consequences and performing an analysis commensurate with the scale of the action at issue. 42 U.S.C. § 4321 et seq; 40 C.F.R. § 1508.8; *see also* Metcalf v. Daley, 214 F.3d 1135, 1151 (9th Cir. 2000); Robertson v. Methow Valley Citizens Council, 490 U.S. 332, 348 (1989). NEPA defines “cumulative impact” as:

the impact on the environment which results from the incremental impact of the action when added to other past, present, and reasonably foreseeable future actions regardless of what agency (Federal or non-Federal) or person undertakes such other actions. Cumulative impacts can result from individually minor but collectively significant actions taking place over a period of time.

¹ https://www.fs.usda.gov/project/?project=52443&utm_medium=email&utm_source=govdelivery

40 C.F.R. § 1508.7. (emphasis added). Because USFS is currently conducting a NEPA process to make these specific parcels available for oil and gas leasing, it is a reasonably foreseeable action which must be analyzed in the cumulative impact analysis of this EA. BLM must coordinate with USFS to address this project in the revised EA, both in the context of cumulative impacts and in sharing resource information and data that the agencies are collecting independently for these adjacent leasing proposals.

Thank you for considering these comments.

Sincerely,

Juli Slivka, Senior Planning & Policy Specialist
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Kirk Peterson, Inventory Coordinator
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EXHIBIT 2

MOUNTAIN LION SPRINGS COMPLEX OVERVIEW CHERRY CREEK RANGE, ELKO COUNTY, NEVADA

**Friends of Nevada Wilderness Inventory
Julien Pellegrini**

MOUNTAIN LION SPRINGS COMPLEX DESCRIPTION:

The Mountain Lion Springs complex is a conglomerate of wild mountainous lands consisting of four sub-units (Rocky Point, Goshute Canyon WSA, and two Goshute Canyon additions). During the summer field season of 2014, in August of that year Will Boyer and myself inventoried this complex consisting of two primary components, the Mountain Lion Springs unit on the east consisting of 51,000 acres and Rocky Point unit to the northwest consisting of 20,500 acres, as well as Goshute Canyon Wilderness addition subunit to the southwest consisting of 2,100 acres and the Goshute Canyon WSA consisting of 377 acres, which serves as an addition to the eastern unit. The Mountain Lion Springs, Goshute Canyon Wilderness Additions, Goshute Canyon WSA units are each contiguous with the Goshute Canyon Wilderness and adjacent with each other. The White Pine County Line has thus far served as a northern boundary for the Goshute Canyon Wilderness; however the qualities of wilderness do not end with county lines. Upon entering this beautiful mountainous region of southern Elko County, Nevada we found wilderness characteristics, primarily biological and archaeological richness abounding in all corners of the aforementioned region. The Rocky Point unit is adjacent with both the Goshute Canyon Wilderness Additions and the Mountain Lion Springs units.



Goshute Canyon, East face of the Cherry Creek Range, Elk, Nevada – Aug. 2014 – photo by J. Pellegrini

Mountain lion Springs, located halfway up Corral Canyon, eastern face of the Cherry Creek Range, is nestled deep within a dense old growth pinion/juniper forest. Besides the obvious connotation of the name, the area itself conjures the vision of one of the Great Basin's most celebrated, elusive, and magnificent mammals. The area is beautiful habitat for the mountain lion and its prey. This area is of pristine deer and elk habitat, and in fact, we encountered a small mule deer herd at the spring. Above the spring is a view that the very term "wilderness" conjures in us all. Tall barren peaks bathed in alpenglow afternoon bronze light where small bands of elk can be found meandering in the hour before night seizes the region and gives safe passing to the host of nocturnal mammals

and birds. Within the pinion and juniper trees one can hear the roaring hiss of silence broken by an occasional breeze that comes to animate the trees.

The ecological richness of this area is fantastic. Plant communities range from low land foothills clothed in *Artemisia* and bitterbrush, the ground under which is foliated in a rich diversity of native forbs. In the upper portion from the foothills is the necessary cover for deer and elk, the pinion and juniper community which expands from about 6,000 feet to about 8,500 feet above sea level. There is a transitional zone within the last 500 feet or so of pinion/juniper where spruce and aspen groves begin their long peak-worshipping sprawl upward toward subalpine rocky ridges draped in native bunch grasses and flowering forbs.



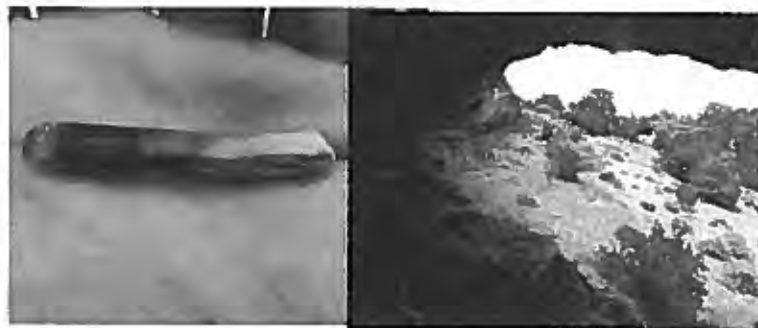
Array of flowering plants including, *Penstemon speciosus*, *Castaleya* Sp., *Opuntia aranciac*, – photos by J. Pellegrini

I have been a bird enthusiast since I was about 8 years old, studying the subject of ornithology at the University of Nevada, Reno, and holding a license to practice falconry since before my sophomore year in high school, yet in all the areas such as this in which I have ventured in search of prairie falcon nests, I have never encountered the density of falcon nests as I did in the ten days I spent looking within this complex of proposed wilderness areas and additions. In nearly every canyon we entered we encountered recently fledged falcons learning the magnificence of their new wings. We encountered in total four nests still holding young and an innumerable number of juvenile birds winging down the canyons we entered as well as over the peaks we climbed. I know from my own observations as well as from my formal education that in order to find an active falcon nest, one must first find themselves within a biologically sound and rich environment that can thus support the varied range of prey species upon which these beautiful desert falcons depend. We did, indeed find ourselves within such a place.



**At left: three prairie falcon chicks in cliff nest; at right: recently fledged prairie falcon newly on the wing.
– Photos by J. Pellegrini**

We located numerous caves (small caves, only little more than elaborate rock shelters) and rock shelters within the described units. Upon examination we found them all to have been inhabited at one point in time by the native peoples who once lived in this area, most likely the Western Shoshone. Fire blackened ceilings and cryptocrystalline rock debitage scattered before the entrance of each such rock structure were immediately obvious. We located more rare artifacts in some of these sites occasionally as well, such as one bone implement that was found to have been ground down on one end (the other end was broken long ago). This tool may have been used as an awl for punching holes in leather, basket making, or perhaps as a flint knapping tool. The tool had been fire blackened suggesting that the tool had been made after it was considered a meal, or perhaps it was evidence of a burial. Burials often are sites deemed as such due to evidence of burning and breakage. Tools and possessions belonging to a deceased individual within Great Basin cultures were never kept by anyone; in fact, the deceased persons' name was never again directly spoken. These implements were most certainly disposed of with the body in the deceased's lodging. Ground stone tools were even broken as well as other tools, perhaps such as our ground bone tool. We left the roomy rock shelter and its burned tools to the silence it knows best. We left the rock shelter, now actively sheltering a large mountain lion with tracks in its dust six inches wide.



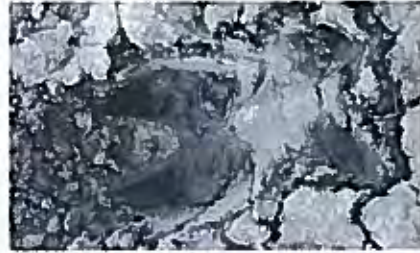
Top row (L-R): Broken end of bone tool; Ground end of bone tool; Overview of bone tool; Rock shelter in front of which the bone tool was found; stone projectile point found within the area – this artifact was most likely used as a knife or a Paleo-Indian hunting point used with an atlatl. The length of the point is approximately 4 cm in length and 2 cm in width.

– Photos by J. Pellegrini

Species that were observed within the Mountain Lion Complex were varied across multiple genera and orders. A list of mammalian and avian species documented within a ten day period includes the following list:

MAMMALS: Mountain Lion (tracks, dens & scat)
Coyote
Grey Fox (tracks & scat)
Badger
Mule deer
Elk
Feral horse
Black-tailed jackrabbit
Cottontail rabbit
White-tailed antelope ground squirrel
Least chipmunk

BIRDS: Golden eagle
Red-tailed hawk
Swainson's hawk
Ferruginous hawk
Prairie falcon
American kestrel
Great-horned owl
Turkey Vulture
Sage sparrow
Sage thrasher
Common poor will
Common nighthawk
Mourning dove
Black-shinned hummingbird
Sage grouse
Blue grouse
Clark's nutcracker
Common Raven
Northern (red-shafted) flicker
Western kingbird
Say's phoebe
Horned lark



Bull elk track in dried mud in the Cherry Creek Range. Photo by J. Pellegrini

Violet-green swallow
Scrub jay
Pinyon jay
Black-billed magpie
Plain titmouse
Mountain chickadee
Bushtit
Rock wren
Mountain bluebird
Hermit thrush
American robin
Loggerhead shrike
Yellow-rumped (Audubon's) warbler
(Western) Spotted towhee
Vesper sparrow
Lark sparrow
Black-throated sparrow
Chipping sparrow
Brewer's sparrow
Western meadowlark
Northern (Bullock's) oriole
Cassin's finch
Chukar



Blue grouse observed and photographed near the crest on the west face of the Cherry Creek Range. Photo by J. Pellegrini

A fascinating fossil bed was also observed throughout the east face of the Cherry Creek Range within the area here described. Within the areas we located as holding fossils, such specimens were observed as corals, various clam shells and mollusks which indicate the fossils were marine, the age of which could range from 200 million years old or older.



Three types of fossil marine clamshells ranging from quite large (above right: approx. 3.5 cm wide by 2.5 cm long) to quite small (above left: 0.5 cm long by 0.4 cm wide).

- Photos by J. Pellegrini

**WILDERNESS CHARACTERISTICS INVENTORY
INVENTORY AREA EVALUATION (FORM 2)
Submitted by Friends of Nevada Wilderness (FNW)**

Current Conditions: Presence or Absence of Wilderness Characteristics

Area Unique Identifier: Mountain Lion Springs (NV-010-015B)

Acreage: 51,000

(If the inventory area consists of subunits, list the acreage of each and evaluate each separately).
In completing steps (1)-(5), use additional space as necessary.



(1) Is the area of sufficient size? (If the area meets one of the exceptions to the size criterion, check "Yes" and describe the exception in the space provided below),

YES

Description (describe the boundaries of the area--wilderness inventory roads, property lines, etc): The unit is about 80 miles south of Wells, in the central and northern end of the Cherry Creek Range. This unit includes most of BLM Unit 015B. Mountain Lion Spring LWC unit is a large and mostly mountainous area, following the Cherry Creek Range north from the Elko/White Pine County line. The county line serves as an arbitrary boundary that separates this LWC unit from the Goshute Canyon Wilderness to the south. For approximately 4 miles the boundary of this unit is contiguous with the north boundary of the Goshute Canyon Wilderness. This boundary is an arbitrary administration division and should not be used to as an element to differentiate the wilderness characteristics of the Goshute Canyon Wilderness from the Mountain Lion Springs LWC. These lands are continuous in wilderness character and should be a contiguous wilderness. On the ground there is no noticeable distinction between the two. A route which forms the northern boundary of the Goshute Canyon Wilderness Study Area (a roughly 500 acre unit) north of the Elko/White Pine county line) also serves as the southeast boundary of the Mountain Lion Springs unit. From the northeast boundary of the Goshute Canyon Wilderness Study area, the east boundary of the Mountain Lion Springs unit follows a graded road at the foot of the

mountains north along the Steptoe Valley to McDermid Creek. At McDermid Creek, the boundary steps around the boundary of the private parcels up McDermid Creek and Corral Canyon, then returns to the Steptoe Valley floor to continue following the above mentioned road north from McDermid Creek. The east boundary continues to follow this road north, steps-around to exclude the private property at Currie Gardens then arcs along this road to private property near the mouth of Cottonwood Canyon. Excluding this private property, the northwest boundary follows Cottonwood Creek in a southerly direction utilizing alternately the Cottonwood Creek Road and private parcel lines as the western boundary. In the vicinity of Top Springs, the Cottonwood Creek road crosses the Ranges and plunges down the west side of the range following Taylor Canyon. The boundary of this unit follows this route, stepping south briefly at the head of Taylor Canyon to exclude two parcels of private property and their associated developments. The boundary steps around the private parcels in lower Taylor Canyon then follows a developed road south along the eastern edge of Butte Valley at the foot of the mountains. At the intersection of Sections 11, 12, 13, & 14, T 26N, R 62 E, the boundary turns east to follow a route up an unnamed canyon to the top of the range, then turns south to follow this route south (stepping east briefly to exclude a parcel of private property) to rejoin the boundary of the Goshute Canyon Wilderness. This southwestern portion of the boundary is adjacent to the Goshute Wilderness Additions LWC. Eight cherry-stem routes are describe for this unit. (See Appendix C: Route Analysis and the KMZ file of the Mountain Lion Springs unit included with this report for more information on boundaries and inventoried roads.)

The Mountain Lion Springs unit contains several tall mountains and numerous canyons draining both east to the Steptoe Valley and west to Butte Valley. Unlike many other Great Basin mountain ranges, this range is more than a crest and one mountain wide. Several larger canyons drain the interior of this range, and extensive basins and hills connect these middle portions. The largest of these canyons include McDermid Canyon, Taylor Canyon, and Cottonwood Canyon to the north. While Taylor Canyon and Cottonwood Canyon also serve as rough boundaries for the unit, a lush valley and stream system follows McDermid Canyon and fills the central part of these lands. Other canyons of note include East Taylor Canyon, Wood Canyon, Silo Canyon, and many others. The majority of these contain springs and running water, and are capped by tall limestone cliffs and rock outcrops. Numerous caves and shelters have been slowly carved from this rock, and also form interesting features in addition to the many towers and cliffs. This is certainly a rugged landscape.

In general, the mountain range rises to the south where its tallest peaks exist. As such, the southern side of Mountain Lion Spring tends to be higher elevation and has more of a high alpine feel. The mountains then gradually fall to the north, but still include several tall and interesting peaks. One such mountain is the highpoint of this unit, aptly named High Peak, reaching an apex at 9662 feet elevation. Nearby Mount Taylor is also a tall and interesting summit. Although both these mountains sit along the northwest corner of the LWC, the east side is also home to high elevations and rugged terrain. Numerous ridges crest 8000 feet, and dramatic rock outcrops dot the landscape, populating the hillsides all the way down to the valley floor. Although this LWC is focused on the mountains, it does include alluvial portions of land within both the Steptoe Valley, and Butte Valley. This creates the opportunity to add lower elevation habitat to this area.

NOTE: The 2014 FNW Inventory found that many of the “routes” marked on maps and in GIS layers simply do not exist on the ground. Field checking is required before using these non-existent “routes” in management decisions.



(2) Does the area appear to be natural?
YES

Note: If “No” is checked the area does not have wilderness characteristics; check “NA” for the remaining questions below.

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

All of the unit as describe by the FNW inventory is comprised of public lands administered by the BLM. The five isolate parcels of private property (totaling 240 acres) within this unit have been exclude from the unit. This area is incredibly rich in natural qualities and contains an incredible biodiversity of both plant and animal life. For the immense size of this LWC, it has little human disturbance. Dense forests cover a majority of the landscape, consisting of several unique tree varieties. Several distinct ecosystems also exist here. Within the flats of the valleys and along the foothills, sagebrush and low elevation desert brush gradually transition into Juniper trees and expansive Pinion/Juniper forests. These forests are thick and cover a majority of the lower

elevations. Here trees are interspersed with sage and rabbitbrush, willows, wild rose, currants, fern bush, bunchgrasses, and wildflowers; but mostly sage. These trees fill in the canyons and rugged terrain, obscure limestone cliffs and caves, and push against the lush greenery of the canyon bottoms. Because many of the old vehicle routes and disturbances do not climb high into the mountains, these forests are also notable for their ability to choke out old routes and naturally obscure trespass tracks. Many of the trails they may have once existed in this environment are no longer present, and have been overtaken by this awesome forest. Aspen groves also intermingle with Pinion/Juniper forest, and can be found in increased numbers within the northern portions of this LWC. Although generally higher in elevation, they mostly surround water and wetter areas, and exist within these lands at nearly any elevation. These groves also often share an environment with mountain mahogany trees, which thrive from mid-mountain to the highest ridges. Gnarled mahoganies can be found interspersed with bitterbrush, sage, and other larger trees. They provide an excellent habitat for large animals, and add a rugged desert beauty to this region. Also at higher elevations are large forests consisting mostly of limber pines and white fir. Somewhat of an anomaly in this dry desert, these thick forests are spectacular and reminiscent of more famous high alpine mountains. These trees are massive compared to other vegetation in the region, and some appear to be quite old. At higher elevations, and especially within the southern portions of this LWC, these forests dominate the landscape. They also provide an excellent habitat for numerous animals and spectacular scenery for human visitors. Due to the sheer amount of growth within this LWC, cross country travel can be difficult but is equally as rewarding. This is a spectacular natural area, difficult for humans to penetrate.

In addition to the incredible amount of plants and lush environment here, numerous species of wildlife thrive in this desert refuge. These mountains support healthy populations of mule deer, antelope, and elk. Signs of such large animals are present throughout the LWC, and sightings of these majestic beasts are also frequent. Large predators are also certainly present here, although rarely seen. Mountain lion scat can be found throughout the region, and signs of coyote are all over the land. Bobcats and other smaller predators exist here as well. Numerous small rodents and reptiles also call these lands home, and act as food for the predators. Especially common are the usual desert animals such as jackrabbits, lizards, mice, and others. Not to be forgotten are the incredible amount of birds that thrive in this ecosystem. These vary from small sage birds to massive golden eagles, raptors, and falcons. Plentiful cliffs and caves throughout the area create excellent roosting grounds, and expansive forests also provide an outstanding nesting habitat. In particular, these mountains support an unusual density of prairie falcons, which can be found nesting in many of the canyons and cliffs here. This area also supports a large grouse population, and both blue grouse and sage grouse were observed at the time of visitation. The right combination of plentiful water mixed with sagebrush throughout the region, creates an outstanding habitat for these birds. This is certainly a wild area, controlled primarily by the forces of nature and inhabited solely by animals. (See the Mountain Lion Springs Complex Overview document included with this report for more details on the native flora and fauna of this unit.)

Having an area this large without any intrusions or human disturbances would be almost impossible. As such, there are a few unconstructed routes and user created two-tracks penetrating the LWC from each side. The majority of these are overgrown and mostly revegetated. Due to the nature of this area, and the desire for increased wilderness character, most

of these are suggested for closure. They see little use-if any, and should remain as they are: being reclaimed by nature. Still, a few routes should remain open for access to water developments and recreational camping areas. Most of these cherry stem routes penetrate the LWC a short distance and do not effect natural values within its core. (See Appendix C: Route Analysis and the KMZ file of the Mountain Lion Springs unit included with this report for more information on inventoried routes, including recommendations for cherry stem routes and unconstructed routes, which should be rehabilitated .)

(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

Description (describe the area's outstanding opportunities for solitude): This entire unit offers multiple outstanding opportunities for solitude. Its remote location, vast amounts of empty space, and rugged terrain are all factors that help one feel alone in this massive landscape. Numerous canyons in the area all have their own feel, and each presents nooks and crannies to camp or escape the world. Dense forest and vegetation throughout these canyons and mountains also helps. These lands feel entirely wild and empty, and the chance of seeing other humans is slim to none. This is an excellent place to relax or explore, take time to think or meditate, contemplate the grand scheme of things, or simply be mindless amongst the awesome beauty and impressive scale of it all. Time slows in these lands, and there are few interruptions except those that one chooses to acknowledge, interruptions such as a grazing herd of antelope, the wind in the trees, or a large bird of prey soaring overhead. Here, the outside world seems distant, and matters none. Once away from roads and boundaries you simply will not see other humans. The lands are too extensive, too well vegetated, too dominated by natural forces and the wild breath of the world. This is an impressive and remote region, almost lonely except for the numerous beasts that inhabit its expanse. In addition, it has space for numerous people to simultaneously recreate or visit, without impacting each other's experience. Although it is difficult to foresee a time when these lands might see excessive visitation, this LWC could potentially host such use. In conjunction with the contiguous Goshute Canyon Wilderness to the south, this area creates one of the most massive wilderness areas in the state of Nevada where truly outstanding opportunities for solitude abound.



(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

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

This unit offers outstanding opportunities for primitive and unconfined recreation. This area is not easy to explore, however, nearly every inch of this unit is accessible to the visitor with the determination and skills to traverse trackless wilderness. Possibilities for recreation are plentiful in this scenic landscape, ranging from short endeavors to multiple day trips. Due its large expanse, opportunities for hiking and backpacking are outstanding here, with many scenic destinations and campsites. Numerous canyons create routes of travel, and beautiful meadows and forest would be excellent and isolated camps. Several taller peaks throughout the region also exist as destinations and desirable places to hike. These summits offer incredible views, and appeal to both hiker and peak bagger alike. This area also offers recreation opportunities for horseback riding, horsepacking, and general sightseeing. Ample wildlife and game exist for hunting and viewing, and a few flowing creeks throughout these mountains could contain species of fish. It is truly a region for those seeking adventure, and those with a strong desire to explore. These are untamed lands with few trails, but incredible possibility. Limestone cliffs throughout

the area could potentially provide opportunities for rock climbing or bouldering, and vegetation hides some of the many shelters and caves that exist here. It is definitely a possibility that extensive caverns are located within this LWC, and spelunking or cave exploring could also be a form of recreation here. This area also offers opportunities for wildflower viewing, rock hounding, fossil hunting, photography, yoga, and night sky viewing. There is certainly no shortage of things to do, or ways to enjoy this magnificent landscape. (See the Mountain Lion Springs Complex Overview document included with this report for more details on the game species and fishing possibilities within this unit.)



The 2014 FWN Inventory found this area has outstanding opportunities for primitive and unconfined recreation in hiking, natural studies and appreciation, rock scrambling, canyoneering, exploration, and photography. The 2014 FWN Inventory also found that this area has a wide diversity of recreation opportunities.

This unit is within one of the darkest regions of the United States. The opportunities for star gazing and night sky photography are truly outstanding.

(5) Does the area have supplemental values (ecological, geological, or other features of scientific, educational, scenic or historical value)?

YES

Description:

The wildness, remoteness, and natural integrity of this unit provide unparalleled opportunities for studies in natural history, mining history, geology, and ecology. The geology of this region and the vast amount of limestone within these mountains create several excellent fossil sites within this unit. These sites contain numerous fossils including casts, mollusks, cephalopods, crinoid fragments, and others. These are an outstanding natural resource, and deserve further preservation. It is unclear to what extent fossils exist in this landscape, but the possibility for numerous sites is highly plausible. This area also shows many signs of prehistoric inhabitants, contained within the many shelters and vast area of these mountains. Artifacts have been found here, ranging from chips and flakes to carved bones, basket pieces, and large points. It is possible that unrecognized archeologic resources exist in this area, hidden within the forests and cliffs. Still, it is indisputable that Native Americans once lived here. A nearly ideal combination of water and ample sagebrush here also provides an excellent habitat for the increasingly rare sage grouse. Several grouse were spotted at the time of visitation, and it is possible that a large population of this bird thrives within the region. The historic interest in mining of the area provides excellent mineral specimens for rockhounding and study. This area is also rich in historic and prehistoric archeological resources. (See the Mountain Lion Springs Complex Overview document included with this report for more details supplemental values within this unit.)



Mountain Lion Springs-8

Friends of Nevada Wilderness (FNW)
Citizen-Submitted Wilderness Characteristics Inventory Information

CITIZEN NAME: Mountain Lion Springs
BLM UNIT NAME: Goshute Canyon (subunit)

BLM UNIT NUMBER: NV-040-015B

Narrative documentation of how the Citizen-Submitted information substantially differs from the information in the BLM inventory of the area's wilderness characteristics (as per BLM Manual 6310; .06; B; 1; b; ii.)

The 2014 FNW Inventory looked at an area that all of Unit 304. The only information from the BLM that Friends of Nevada Wilderness (FNW) could locate about the wilderness characteristics for this unit was in the BLM 1980 Wilderness Study Area Decisions. This BLM information document is summarized below.

SUMMARY OF BLM 1980 WILDERNESS STUDY AREAS DECISIONS

UNIT NUMBER: NV-040-015B

UNIT NAME: Goshute Canyon [subunit]

AREA DESCRIPTION: The unit is in the northern and central end of the Cherry Creek Range. The topography ranges from the rugged mountains and foothills of the Cherry Creek Range to relatively flat portions of Butte and Steptoe Valleys. Major vegetative types range from white fir, bristlecone pine, mountain mahogany, and pinyon-juniper on the higher elevations to cottonwood, willow, and sagebrush in the canyons and valley portions. The Goshute Canyon Natural Area, established by Executive Order in 1970, is within the inventory unit.

CHARACTERISTICS INVENTORIED:

- 1. Size:** The unit contains 190,680 acres of public land.
- 2. Naturalness:** The unnatural portions, containing many roads, ways, water tanks, developed springs, corrals, and other intrusions related to ranching and mining activities, total 64,720 acres. The remaining 125,960 acres are substantially natural and are divided into five natural portions (NV-040-015 of 35,100 acres, NV-Q40-015B of 64,000 acres, NV-040-015C of 16,460 acres, NV-040-015D and NV-040-015E of 5,200 acres each).
- 3. Outstanding Opportunities for:**
 - A. Solitude:** In subunit 015, physical characteristics such as size, screening, and configuration combine to provide outstanding opportunities for solitude. In the remaining subunits, these characteristics do not support an evaluation of outstanding solitude.
 - B. A Primitive and Unconfined Type of Recreation:** In subunit 015, good to excellent opportunities for nature study, hunting, photography, rock climbing, hiking, winter sports, and spelunking are all possible. Considered together the quality and diversity of primitive and unconfined recreation are outstanding in this subunit. In the remaining subunits, opportunities for other activities range from good to poor, but none could be considered of outstanding quality or diversity.
- 4. Supplemental Values:** Archaeological, natural, and geological values were noted in the area. The Goshute Canyon Natural Area is also within the unit. This natural area is under special management guidelines to protect an endangered fish species.
- 5. Rehabilitation:** An unauthorized access route was bladed by a mining company into subunit NV-040-015 in violation of the Bureau's Interim Management Policy for wilderness. The Bureau will take steps to rehabilitate the area to its natural condition by whatever means necessary.

Friends of Nevada Wilderness (FNW)
Citizen-Submitted Wilderness Characteristics Inventory Information

ORIGINAL RECOMMENDATION:

31,000 acres are recommended for Wilderness Study Area status.

159,680 acres should be dropped from further wilderness consideration,

SUMMARY OF PUBLIC COMMENTS: BLM received 16 specific comments on this unit.

Four comments suggested a boundary change. Most mentioned natural condition and outstanding opportunities. Many comments noted intrusions and lack of outstanding opportunities. Two comments stated the unit lacks wilderness criteria. A substantial number noted supplemental values and other resource values. Also received were 2,326 general comments stating the unit meets the wilderness criteria.

FINAL DECISION:

35,100 acres are designated as a Wilderness Study Area.

155,580 acres are dropped from further wilderness consideration.

RATIONALE FOR DECISION: Even though public comments were received both supporting and opposing WSA designation, the evidence available to the Bureau indicates that a portion of the area does possess the necessary criteria for WSA designation. The portion eliminated from WSA consideration was found not to possess the necessary criteria for WSA designation.

FNW FINDINGS for NV-050-0304

CHARACTERISTICS INVENTORIED:

1. Size: The BLM 1980 Wilderness Study Areas Decisions documented Unit 015B as being 64,000 acres. The 2014 FNW Inventory describes this roadless area as 51,000 acres. (See Appendix C: Route Analysis and GIS data for more information on routes and boundaries.) FNW also discovered that the boundary between subunits 015 and 015B is arbitrary and capricious and is based on nothing more than the administrative boundary between the Elko and Ely district office jurisdictions. Current guidelines from Manual 6310 state that boundaries *"should be determined largely on the basis of wilderness inventory roads and naturalness."*

2. Naturalness: The BLM 1980 Wilderness Study Areas Decisions, under Category (2) [Does the area appear to be natural?] the report states: *"(t)he remaining 125,960 acres are substantially natural."* [This includes all 64,000 acres of unit 015B.] The FNW 2014 inventory concurs with this evaluation of the unit.

3. Outstanding Opportunities for:

A. Solitude: The BLM 1980 Wilderness Study Areas Decisions stated for unit 015B that although the *"In the remaining subunits, these characteristics do not support an evaluation of outstanding solitude."*

The 2014 FNW inventory of this unit found multiple outstanding opportunities for solitude throughout the unit. This 64,000 acre unit is enormous and includes incredibly steep terrain, rugged canyons and heavy vegetation, all of which contribute to outstanding opportunities for solitude. The basis for this

Friends of Nevada Wilderness (FNW)
Citizen-Submitted Wilderness Characteristics Inventory Information

FNW finding of solitude is included within the Wilderness Characteristics Form 2 provided with the FNW Inventory of this unit. The FNW inventory based these findings for solitude on the current BLM Manual 6310 guidelines. Two of the more significant changes in these current guidelines since the initial decisions were made are: “[o]utstanding opportunities for solitude can be found in areas lacking vegetation or topographic screening;” and “[a]n area can have wilderness characteristics even though every acre within the area may not meet all the criteria. The boundary should be determined largely on the basis of wilderness inventory roads and naturalness rather than being constricted on the basis of opportunity for solitude or primitive and unconfined recreation.” Additionally a significant part of the southern boundary is contiguous with Goshute Canyon Designated Wilderness. Several BLM offices within the state of Nevada have found that since “opportunities for solitude do not stop at the administrative boundary” [in this case the boundary between the Elko and Ely district offices], contiguous areas meeting the naturalness criteria also meet the outstanding opportunities for solitude by nature of being contiguous with an area recognized as possessing the attributes of solitude. (See Wilderness Characteristics Form 2 provided with the FNW Inventory of this unit for more information about the outstanding opportunities for solitude of this unit.)

B. Primitive and Unconfined Type of Recreation: The BLM 1980 Wilderness Study Areas Decisions stated for subunits 015 & 015B that “(i)n subunit 015, good to excellent opportunities for nature study, hunting, photography, rock climbing, hiking, winter sports, and spelunking are all possible. Considered together the quality and diversity of primitive and unconfined recreation are outstanding in this subunit. In the remaining subunits [including 015B], opportunities for other activities range from good to poor, but none could be considered of outstanding quality or diversity.” This is a preposterous statement inferring that the recreational opportunities within the same mountain range degenerate from “outstanding” to “good to poor” at the point where the range crosses a BLM district office administrative boundary. The 2014 FNW inventor found that the outstanding opportunities for primitive recreational opportunities described for the 015 sub unit, can also be found in the 015B sub unit. The basis for these findings of primitive and unconfined type of recreation is included within the Wilderness Characteristics Form 2 provided with the FNW Inventory of this unit. The FNW inventory based these findings for primitive and unconfined type of recreation on the current BLM Manual 6310 guidelines.

FNW is providing the BLM with New Information about Unit NV-040-015B:

The wilderness characteristics generated from the FNW 2014 Inventory for the unit substantially differ from the information in the BLM 1980 Wilderness Study Areas Decisions. Under current 6310 guidelines, FNW recommends that this unit should be re-considered for LWC status.

Mountain Lion Springs Wilderness Characteristics Inventory

Appendix C: Route Analysis (RA)

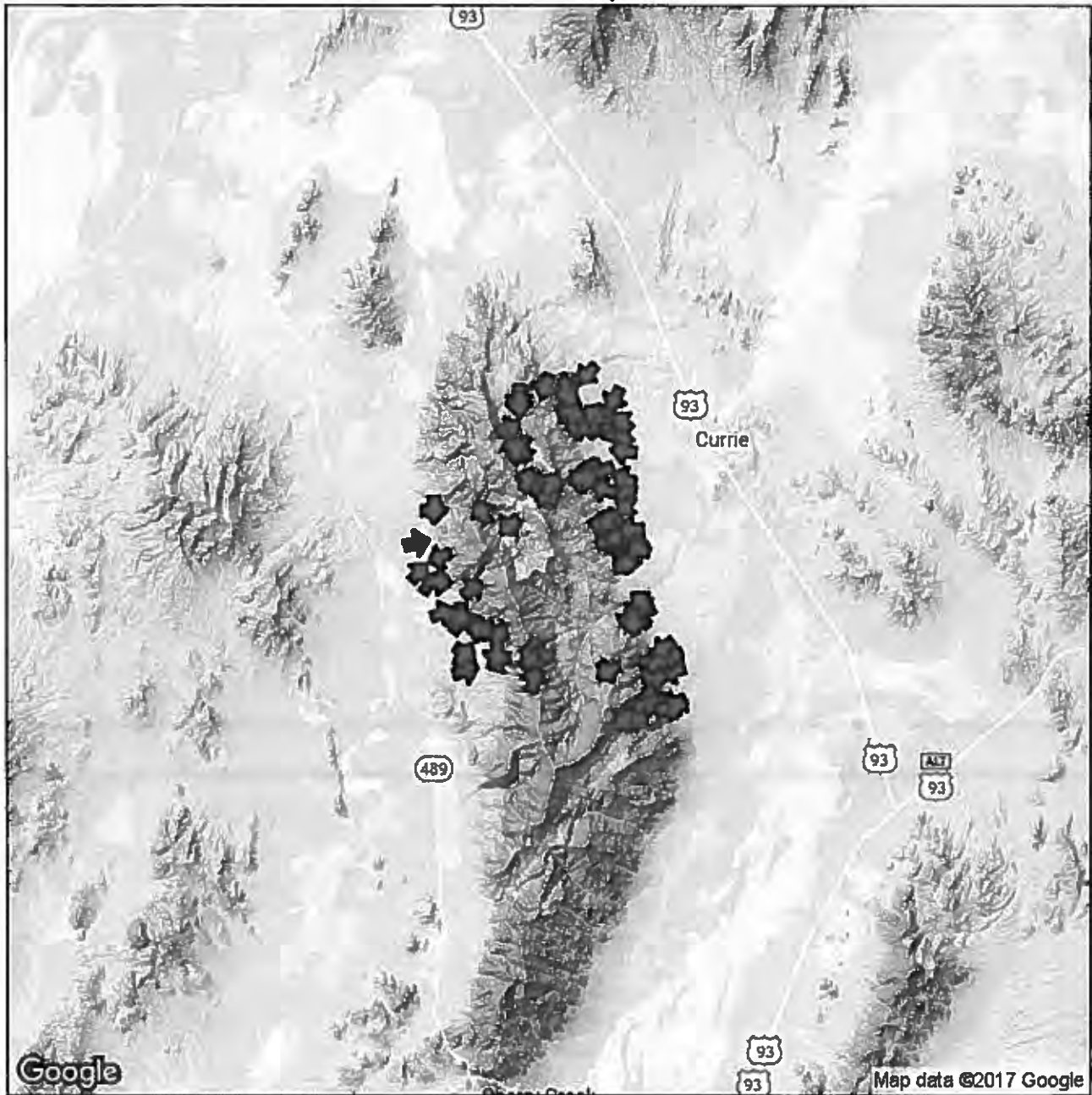


FRIENDS of NEVADA WILDERNESS



FRIENDS of NEVADA WILDERNESS

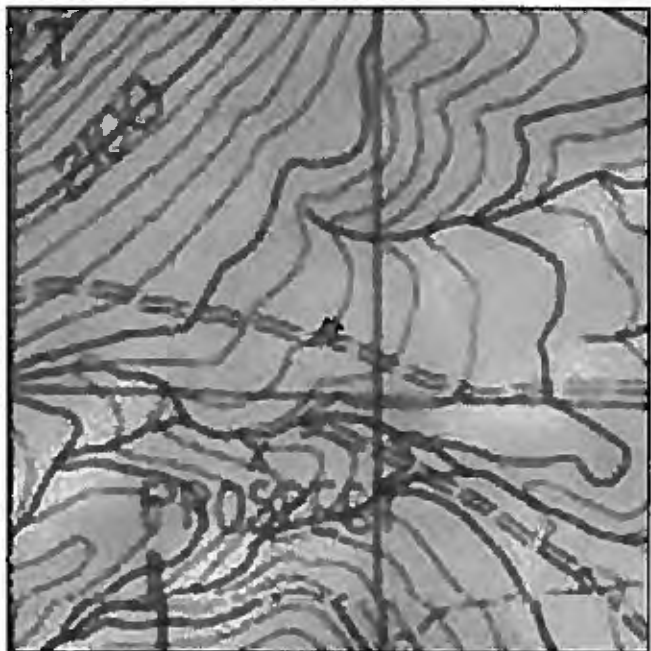
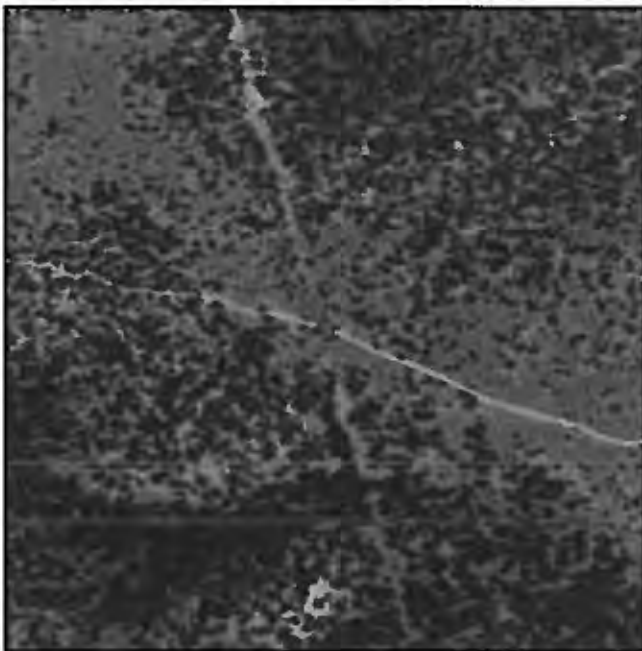
Overview Map



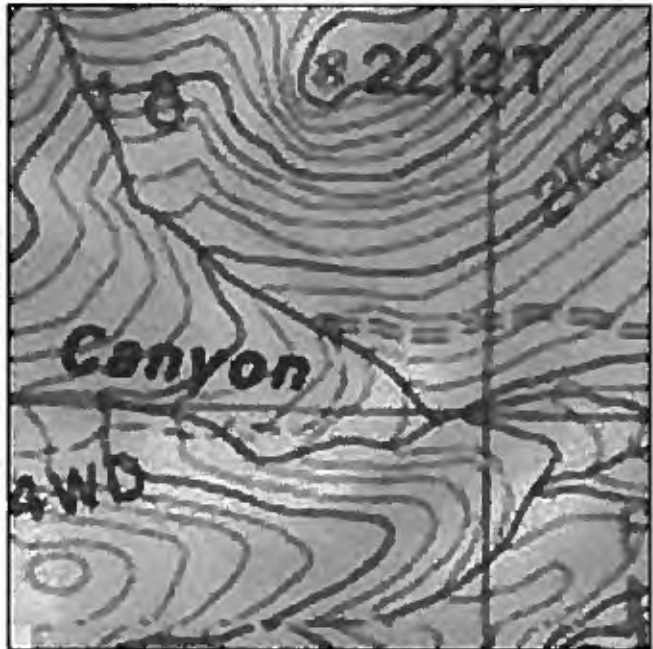
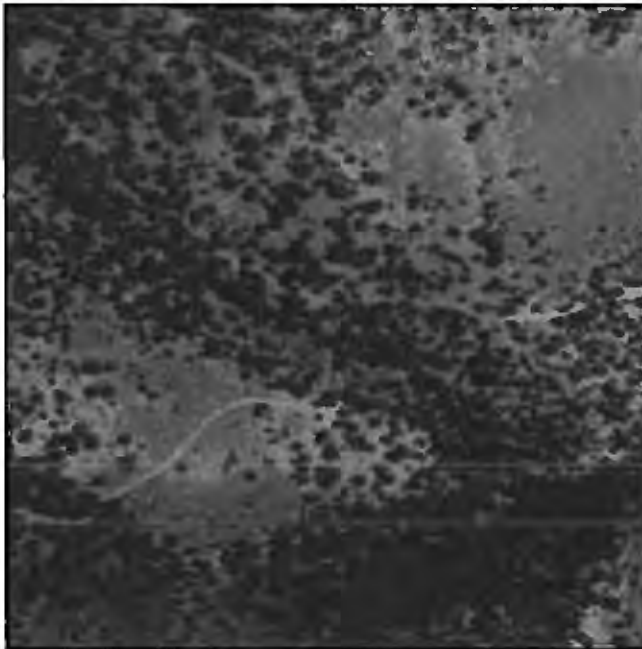
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Fence line

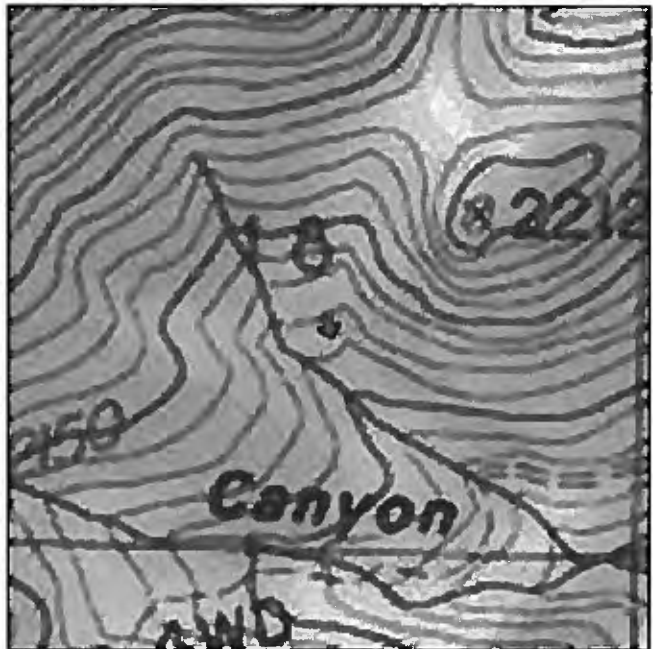
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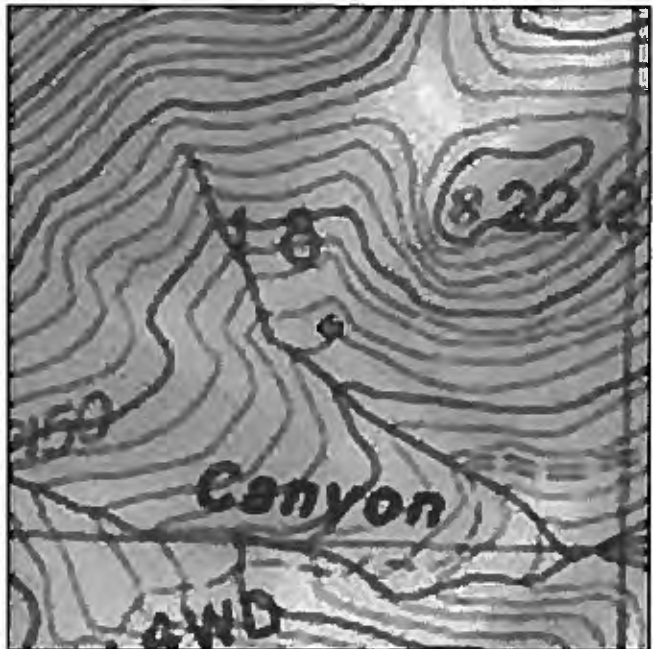
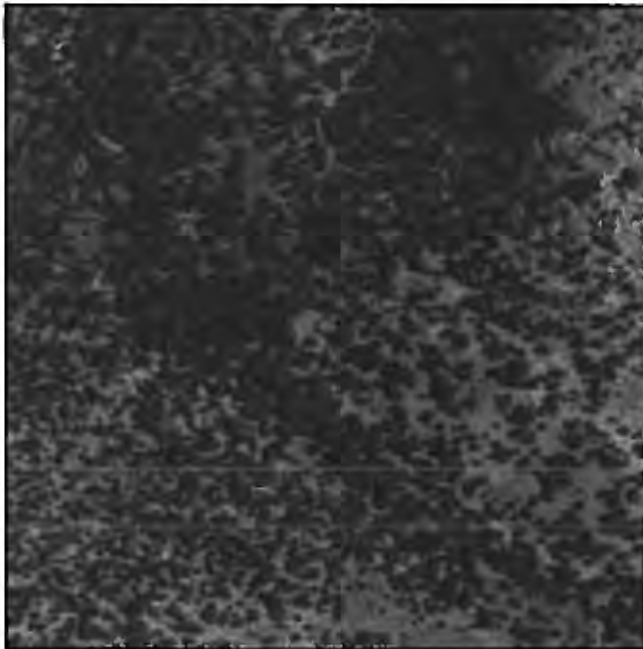
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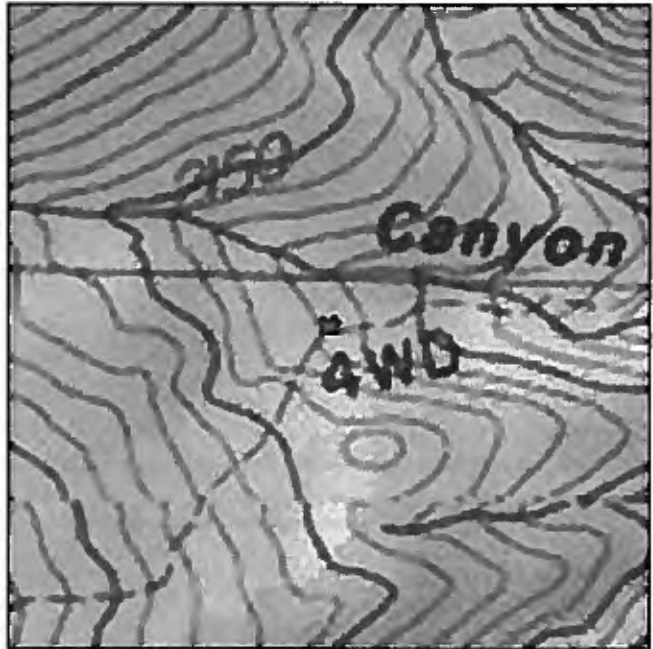
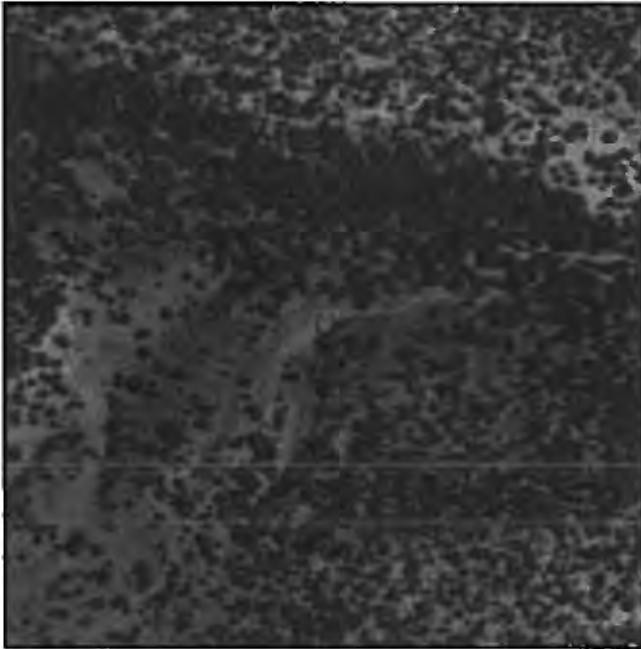
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Subject	
Comment	
Description	
Tags	
Latitude	N 40° 07' 41"
Longitude	W 114° 47' 48"
Time Stamp	7:03:19 PM
Date Stamp	6/26/2014
Elevation	6775 ft
Photo Direction	315° NW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	01
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	Rare
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	Trees encroaching on route- not-suitable for vehicles beyond this point
Photo Direction	W



Attributes	
File Name	GeoJot+ 2014-06-26 18_12_07.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 07' 46"
Longitude	W 114° 47' 55"
Time Stamp	7:11:48 PM
Date Stamp	6/26/2014
Elevation	6893 ft
Photo Direction	166° SSE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	01
Route Reference	Terminus
II Route Context-Historic	Wood Cutting
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SE



Attributes	
File Name	GeoJot+ 2014-06-26 18_13_53.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 07' 46"
Longitude	W 114° 47' 54"
Time Stamp	7:13:35 PM
Date Stamp	6/26/2014
Elevation	6998 ft
Photo Direction	271° W
Make	ASUS
Model	ASUS Transformer Pad TF300T
Sign Type	
Possible Stewardship	
Notes	
Fence Purpose	



Attributes	
File Name	GeoJot+ 2014-06-26 19_03_55.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 07' 36"
Longitude	W 114° 48' 03"
Time Stamp	8:03:35 PM
Date Stamp	6/26/2014
Elevation	6795 ft
Photo Direction	233° SW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	02
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Water Development?
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	Not suitable for vehicles beyond this point, steep and muddy
Photo Direction	SW

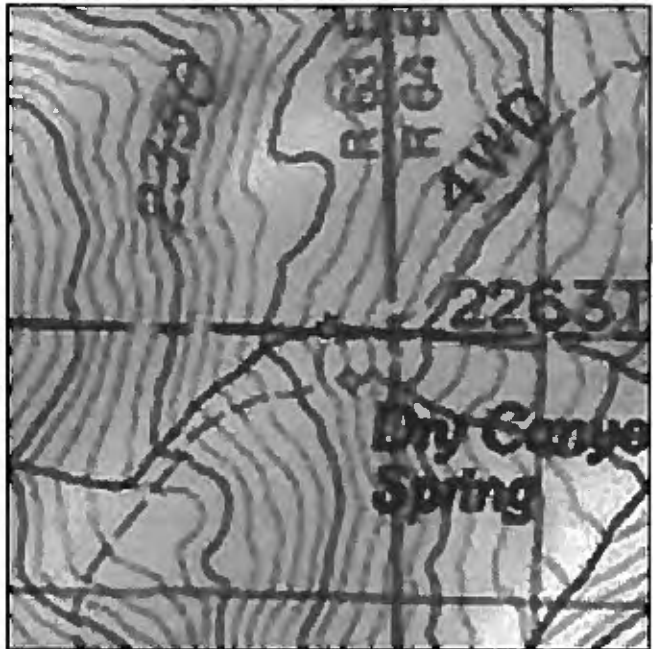
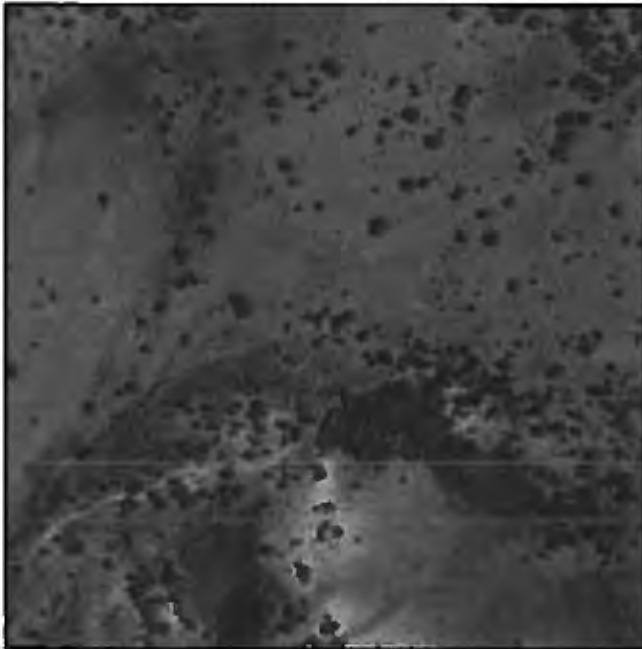
Mtn Lion Springs RA: 02
Route Detail

195 SSW

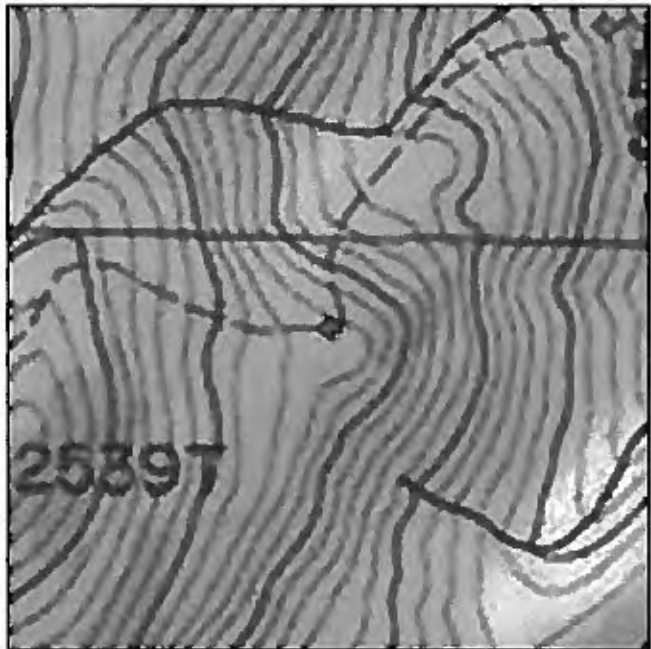
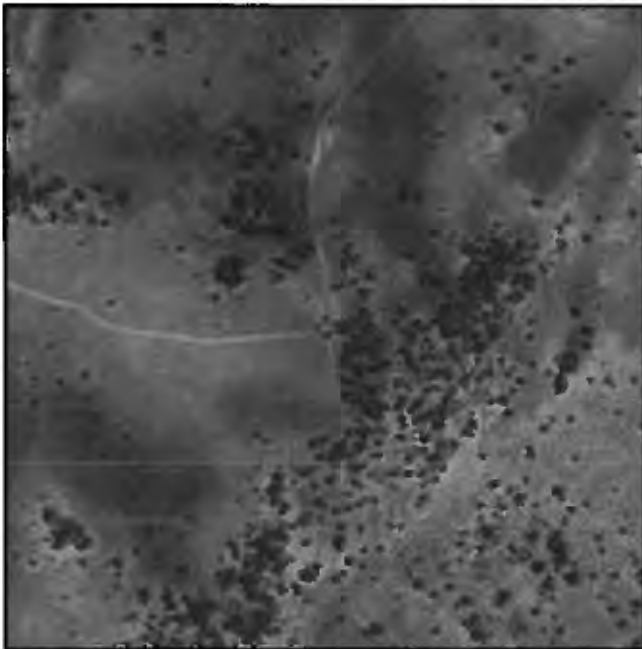
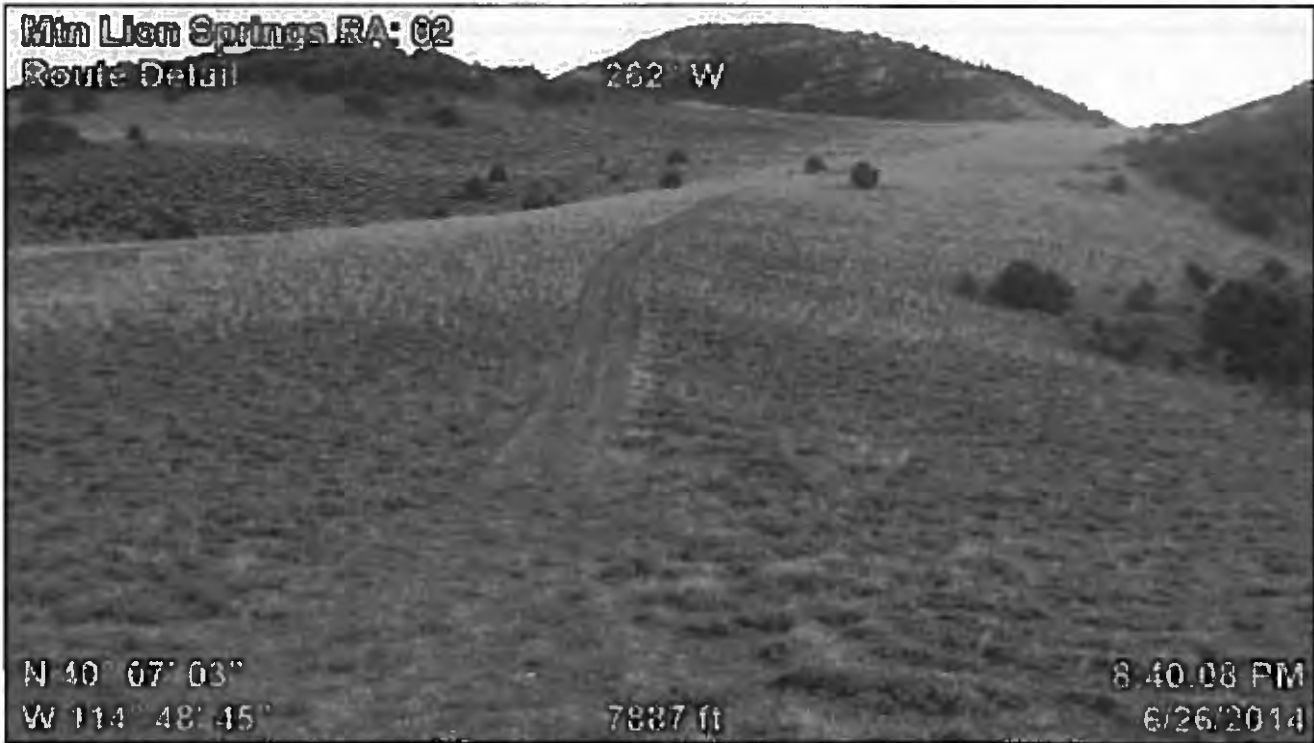
N 40° 07' 16"
W 114° 48' 33"

7398 ft

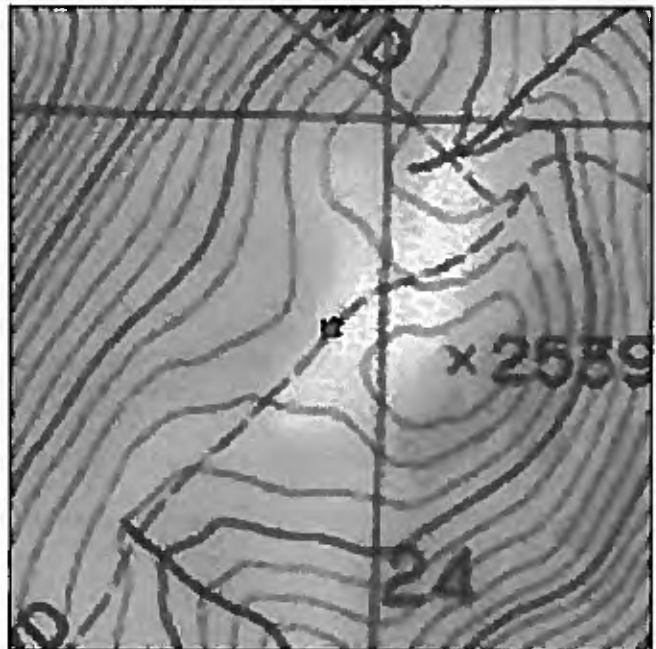
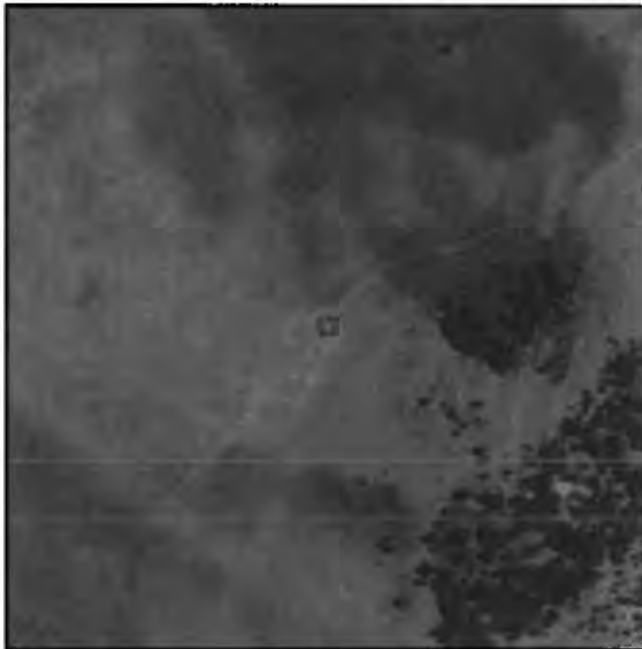
8:25:37 PM
6/26/2014



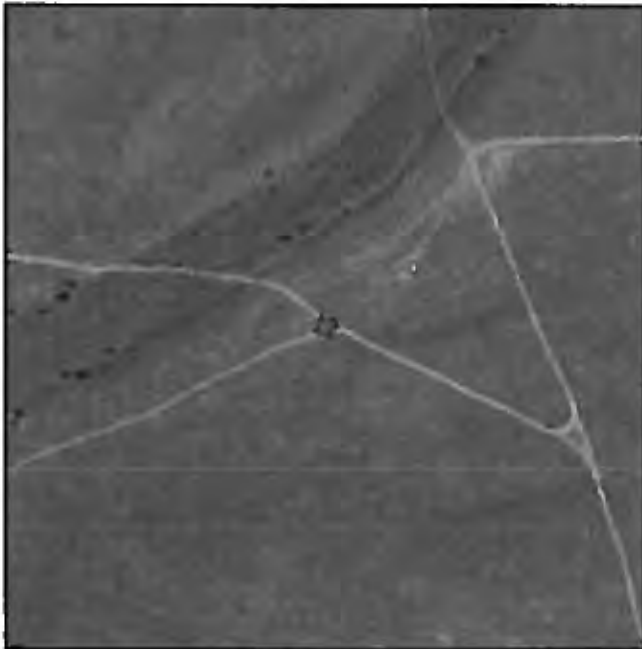
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Longitude	W 114° 48' 33"
Time Stamp	8:25:37 PM
Date Stamp	6/26/2014
Elevation	7398 ft
Photo Direction	195° SSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	02
Route Reference	Route Detail
II Route Context-Historic	Access to Former Private Property
II Route Context-Contemporary	Water Development
III Evidence of Const/Improve	Yes
III A1 Construction	None
III A2 Improvements	Hardened Stream Crossings/ rocks filled in
III B Evidence of Maintenance	Vegetation Cutting
III Regular and Continuous Use	No
Use- Vehicular	
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	Construction
Photo Direction	SW



Attributes	
File Name	GeoJot+ 2014-06-26 19_40_26.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 07' 03"
Longitude	W 114° 48' 45"
Time Stamp	8:40:08 PM
Date Stamp	6/26/2014
Elevation	7887 ft
Photo Direction	262° W
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	02
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	Inconclusive
III A1 Construction	None
III A2 Improvements	None at this point
III B Evidence of Maintenance	Vegetation Cutting
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	No apparent purpose
Detail	Very Steep
Photo Direction	W

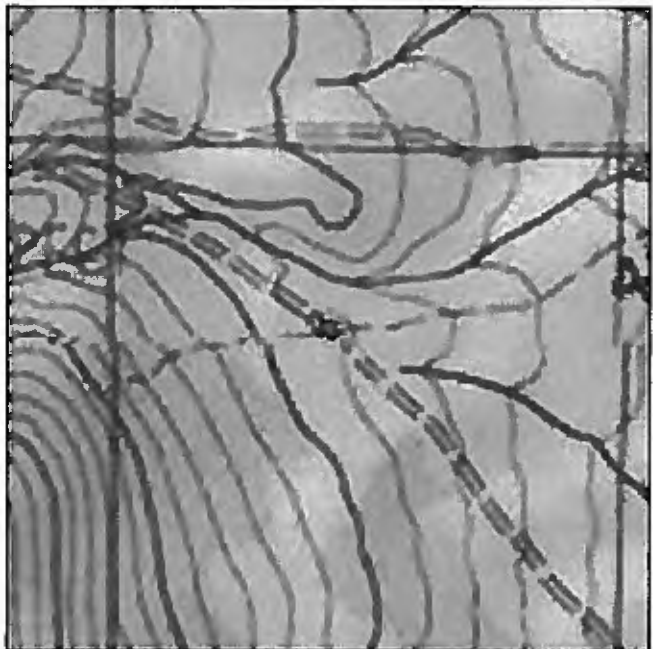
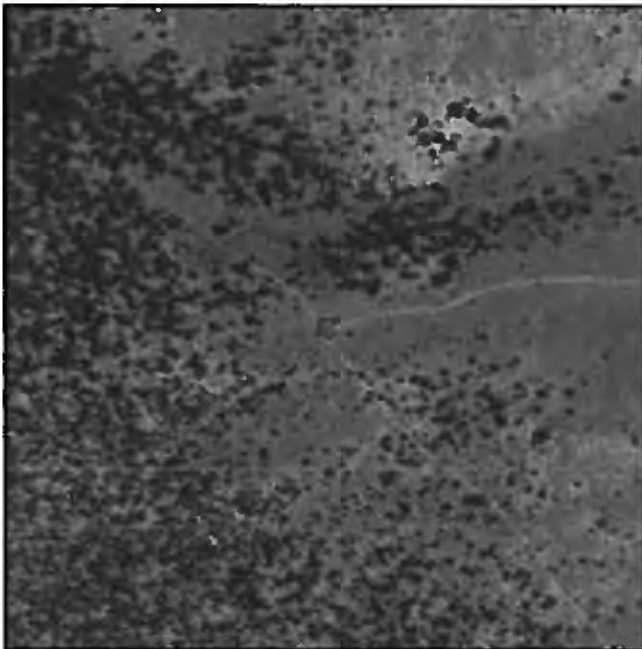
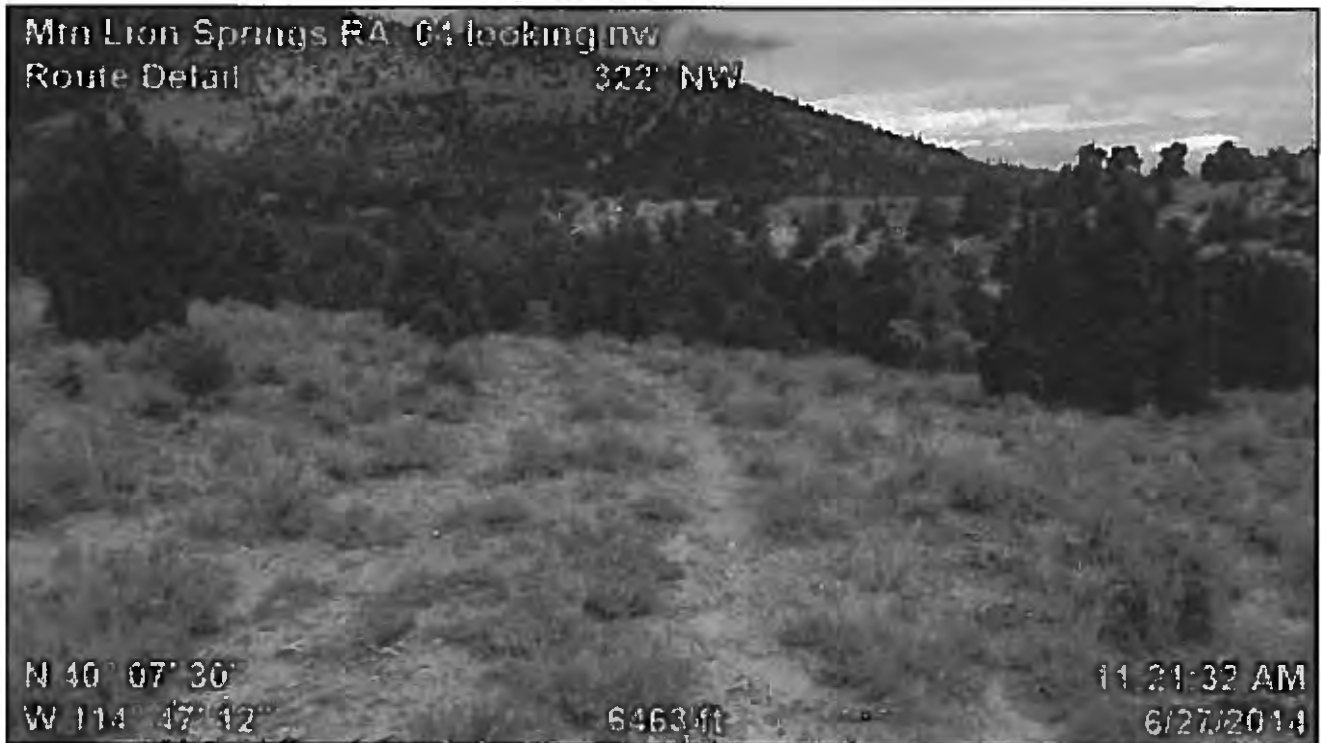


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Title	
Subject	
Comment	
Description	
Tags	
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Longitude	W 114° 49' 08"
Time Stamp	8:51:20 PM
Date Stamp	6/26/2014
Elevation	8264 ft
Photo Direction	217° SW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	02
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Cherry stem into wilderness...why?
Detail	
Photo Direction	S

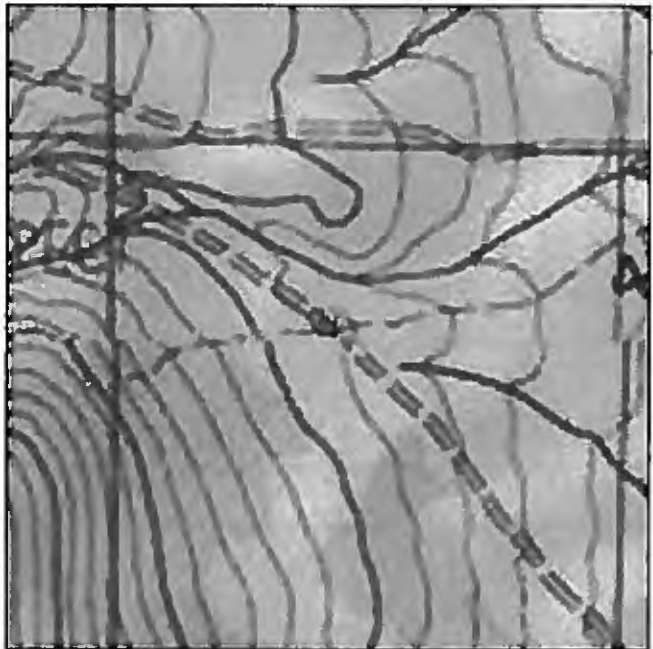
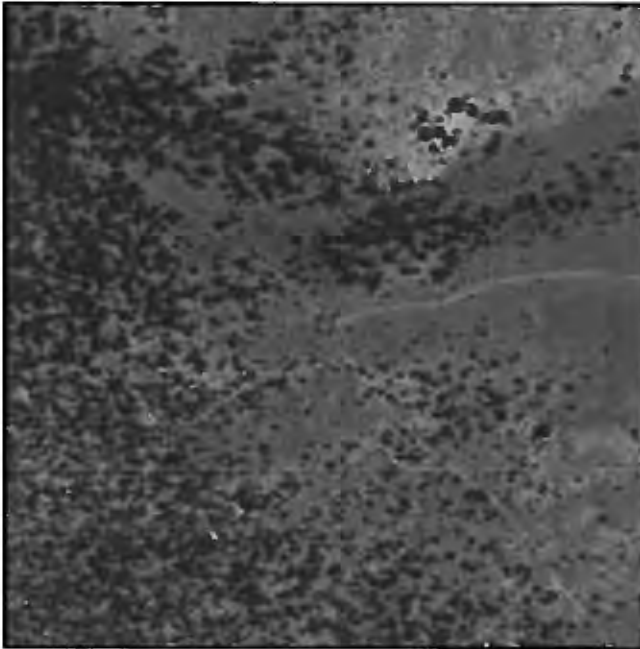


Attributes	
File Name	Geolot+ 2014-06-27 10_13_39.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 07' 36"
Longitude	W 114° 46' 51"
Time Stamp	11:13:20 AM
Date Stamp	6/27/2014
Elevation	6352 ft
Photo Direction	244° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	03
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	Rare
Recommendations/Comments	N/A
Detail	
Photo Direction	W

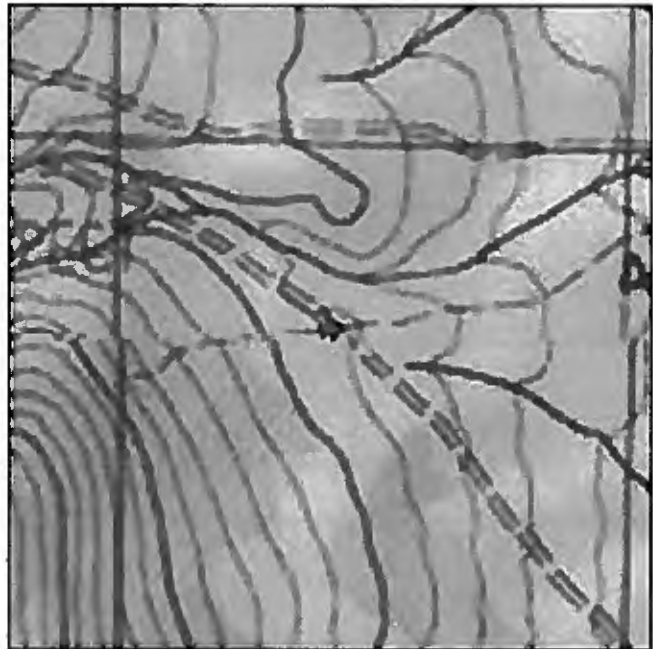
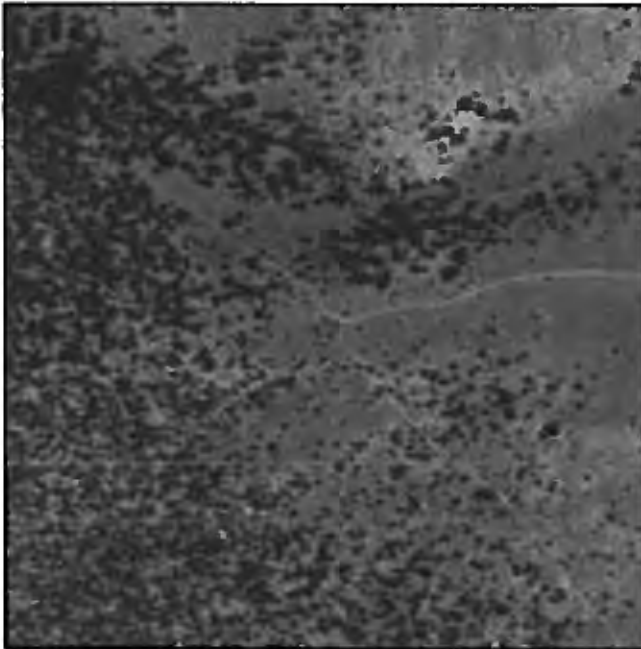
04 looking nw
Route Reference: Route Detail



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File Name	GeoJot+ 2014-06-27 10_21_51.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 07' 30"
Longitude	W 114° 47' 12"
Time Stamp	11:21:32 AM
Date Stamp	6/27/2014
Elevation	6463 ft
Photo Direction	322° NW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	04 looking nw
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	Rare
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	NW



Attributes	
File Name	GeoJot+ 2014-06-27 10_23_48.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 07' 30"
Longitude	W 114° 47' 12"
Time Stamp	11:23:29 AM
Date Stamp	6/27/2014
Elevation	6486 ft
Photo Direction	146° SE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	04 looking se
Route Reference	Route Detail
II Route Context-Historic	None
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	Rare
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SE



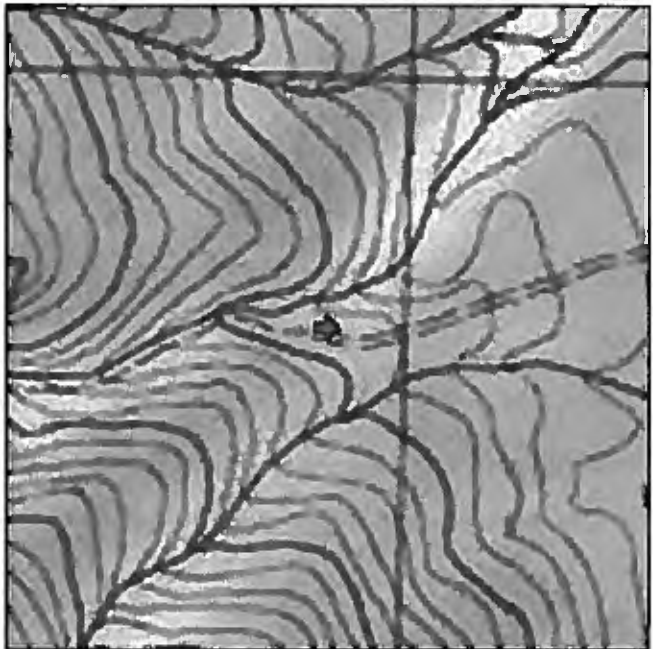
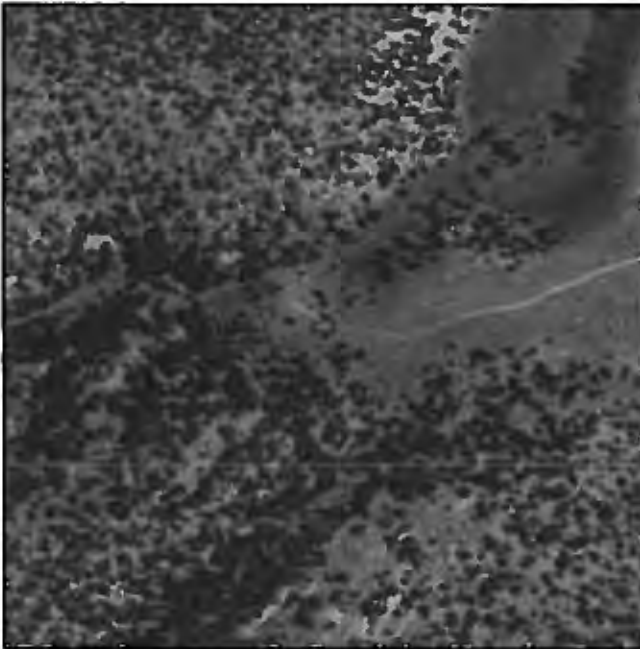
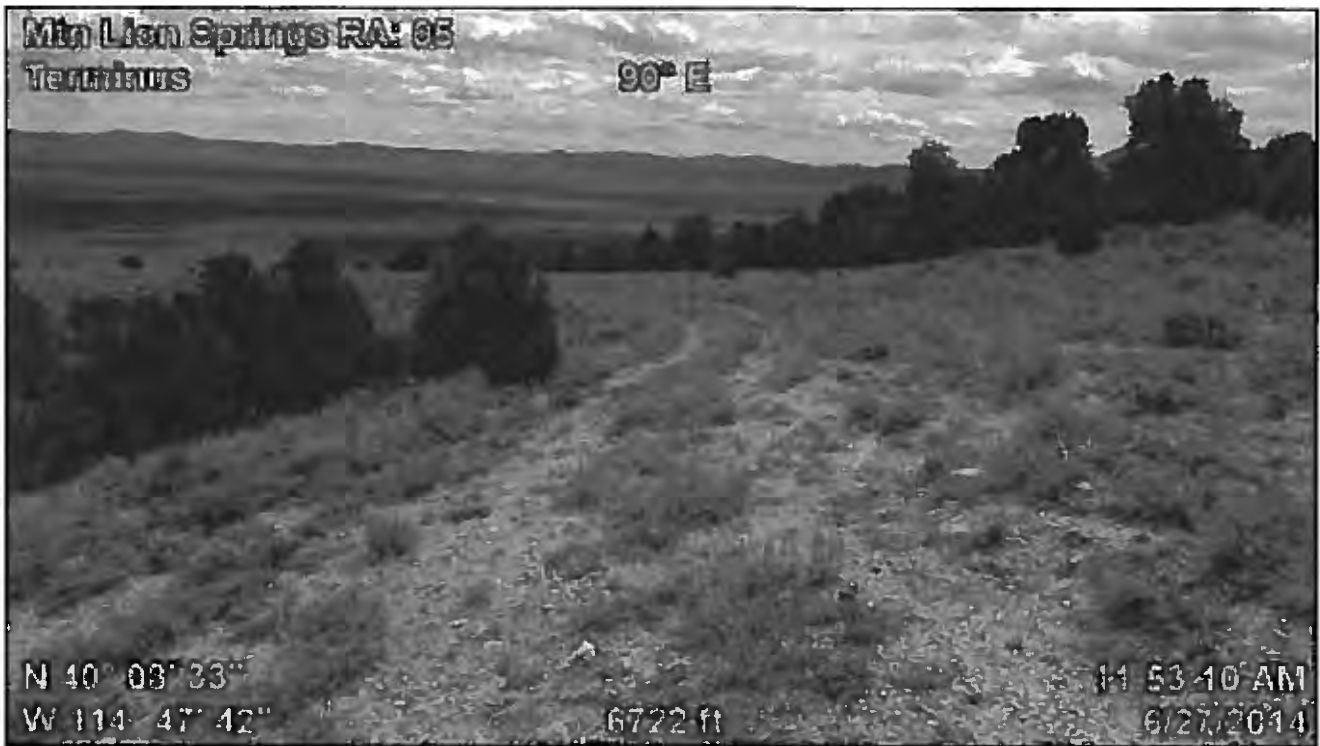
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Subject	
Comment	
Description	
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Longitude	W 114° 47' 12"
Time Stamp	11:25:12 AM
Date Stamp	6/27/2014
Elevation	6483 ft
Photo Direction	70° ENE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	03
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	Rare
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	E

Mechanical Disturbance





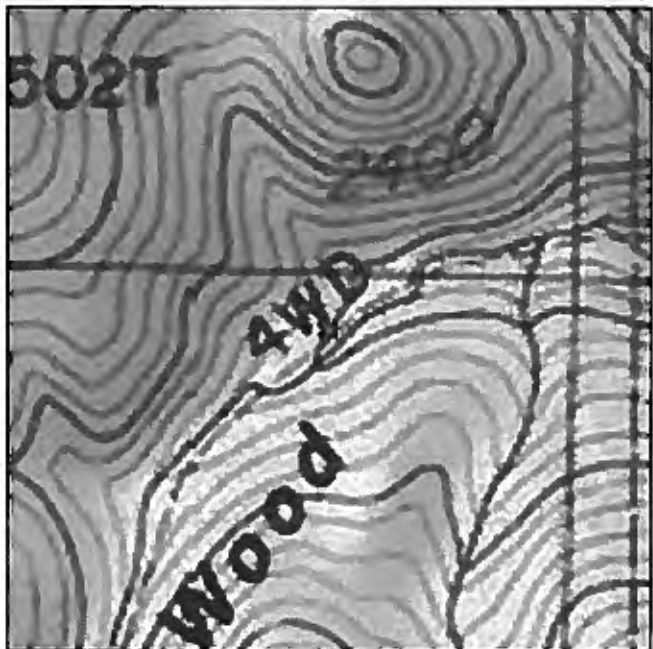
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Subject	
Comment	
Description	
Tags	
Latitude	N 40° 08' 44"
Longitude	W 114° 46' 59"
Time Stamp	11:43:07 AM
Date Stamp	6/27/2014
Elevation	6283 ft
Photo Direction	256° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	05
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	W



Attributes	
File Name	GeoJot+ 2014-06-27 10_53_29.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 08' 33"
Longitude	W 114° 47' 42"
Time Stamp	11:53:10 AM
Date Stamp	6/27/2014
Elevation	6722 ft
Photo Direction	90° E
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	05
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	Low
Recommendations/Comments	Rehabilitation/Naturalize the Route. Only animal trail past here
Detail	
Photo Direction	W



Attributes	
File Name	GeoJot+ 2014-06-27 11_15_27.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 09' 12"
Longitude	W 114° 47' 08"
Time Stamp	12:15:08 PM
Date Stamp	6/27/2014
Elevation	6289 ft
Photo Direction	262° W
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	06
Route Reference	Origin
II Route Context-Historic	Wood Cutting?
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	Inconclusive
III A1 Construction	Bladed?
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	W



Attributes	
File Name	GeoJot+ 2014-06-27 12_03_23.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 08' 43"
Longitude	W 114° 49' 57"
Time Stamp	1:03:04 PM
Date Stamp	6/27/2014
Elevation	7,628 ft
Photo Direction	143° SE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	07
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Motorized Hunting Tracks
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Hill climb for vantage point. Closure/renaturalize
Detail	
Photo Direction	S

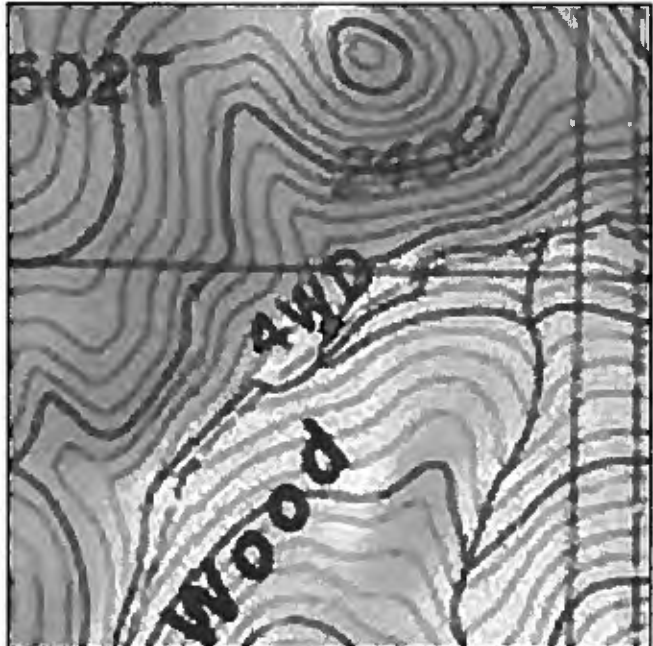
Min Lion Springs RA: 06
Route Detail

2421 WSW

N 40° 08' 43"
W 114° 49' 57"

7562 ft

1:05:49 PM
6/27/2014



Attributes	
File Name	Geolot+ 2014-06-27 12_06_08.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 08' 43"
Longitude	W 114° 49' 57"
Time Stamp	1:05:49 PM
Date Stamp	6/27/2014
Elevation	7562 ft
Photo Direction	242° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	06
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Motorized Hunting Tracks
III Evidence of Const/Improve	Inconclusive
III A1 Construction	Bladed?
III A2 Improvements	None
III B Evidence of Maintenance	By Hand Tools?
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	Rare
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W

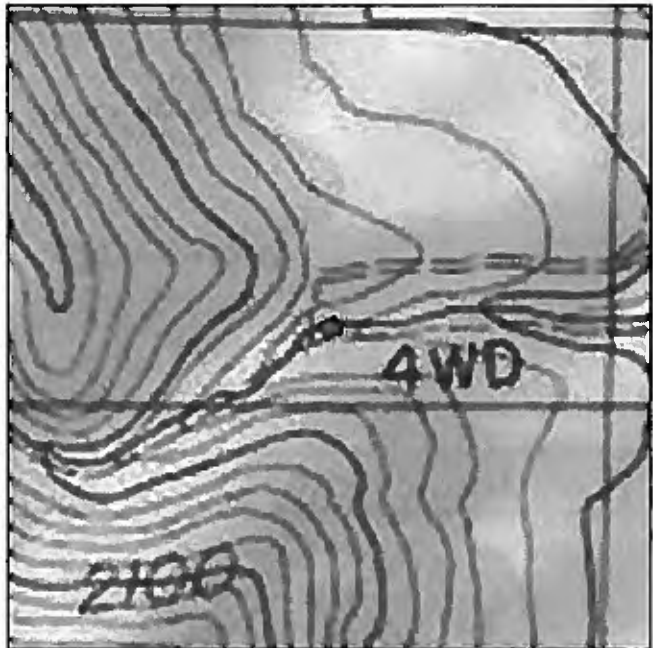
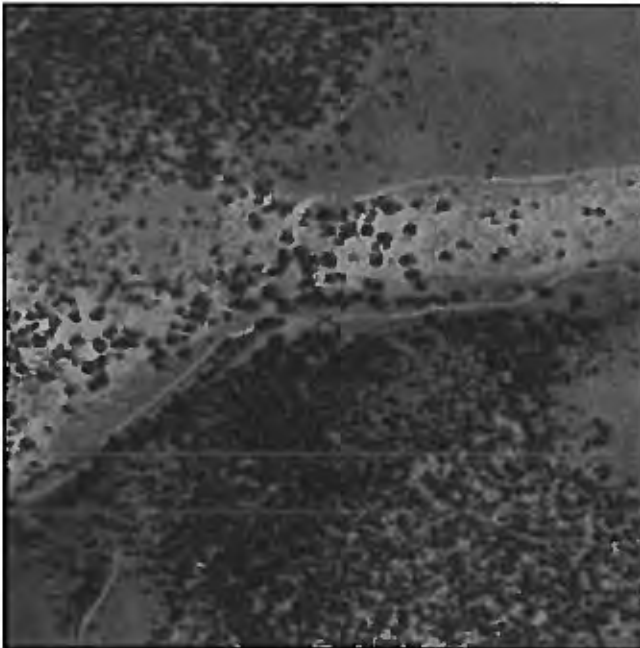
Mtn Lion Springs RA. 06
Route Detail

288° WNW

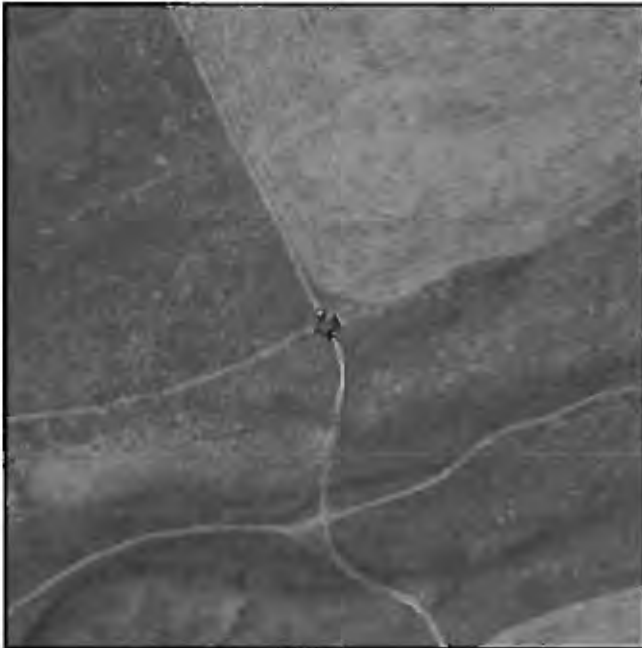
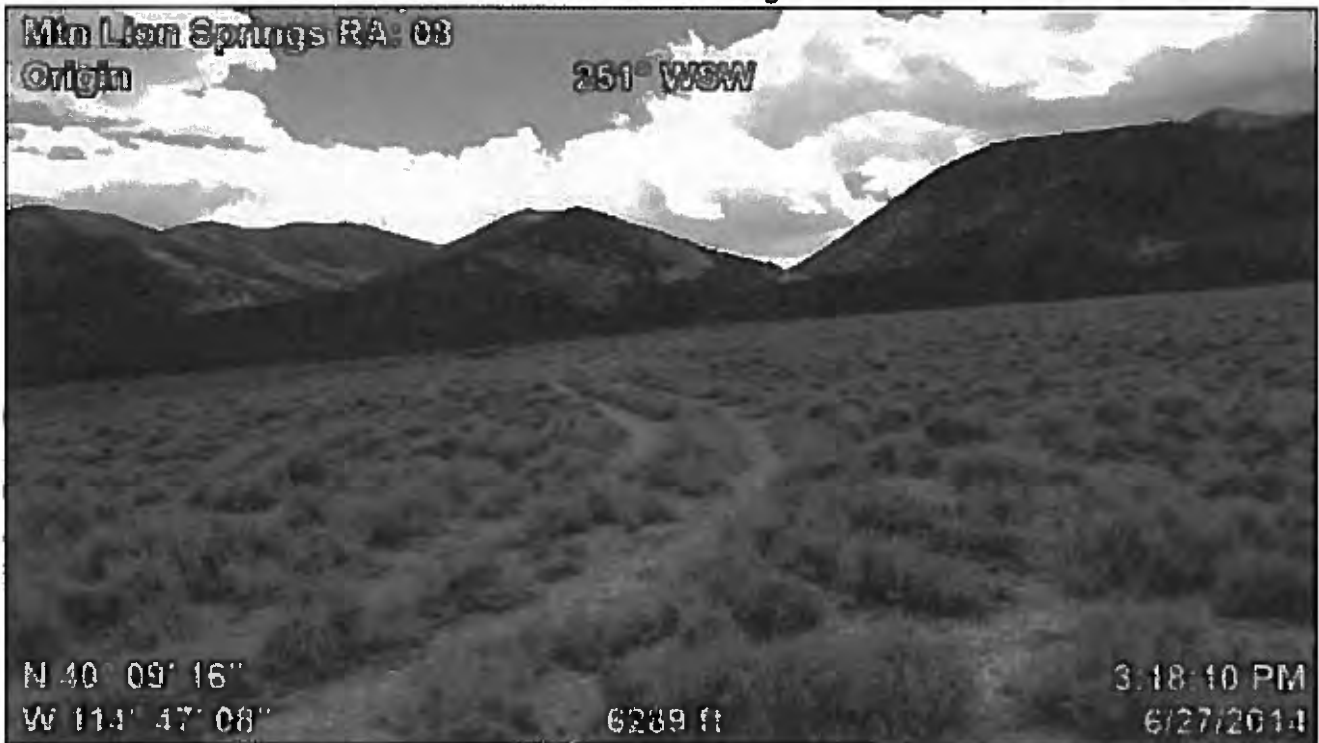
N 40° 09' 04"
W 114° 47' 51"

6719 ft

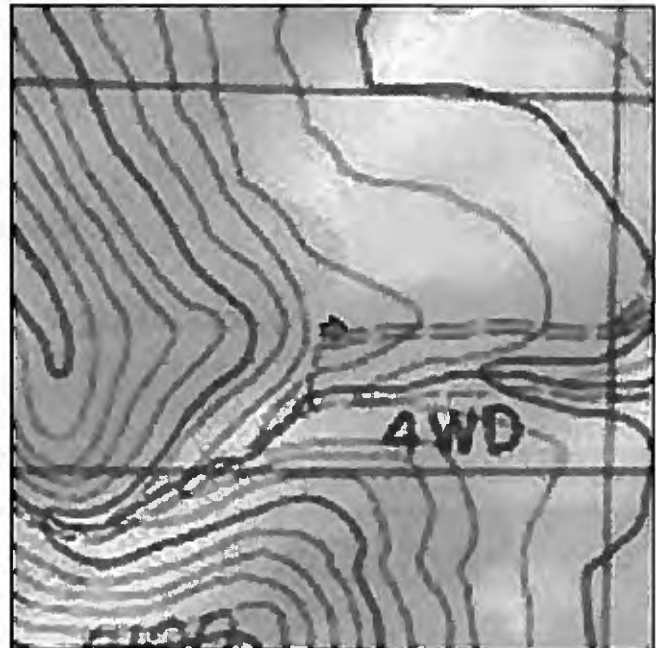
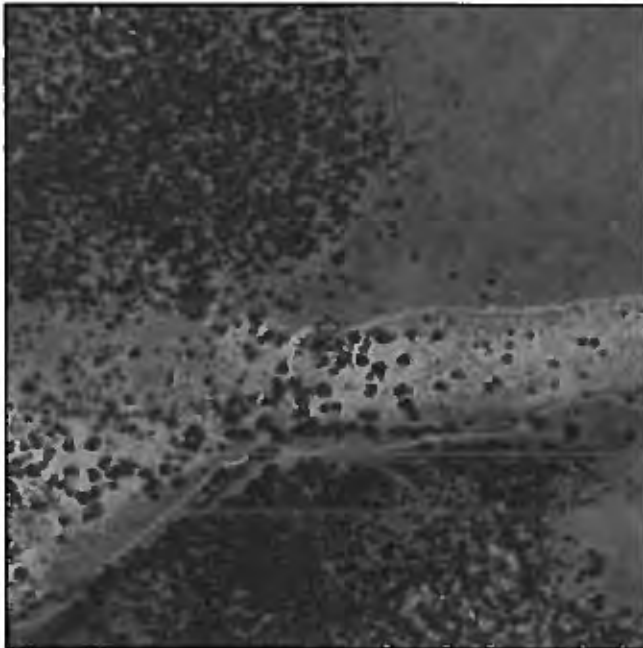
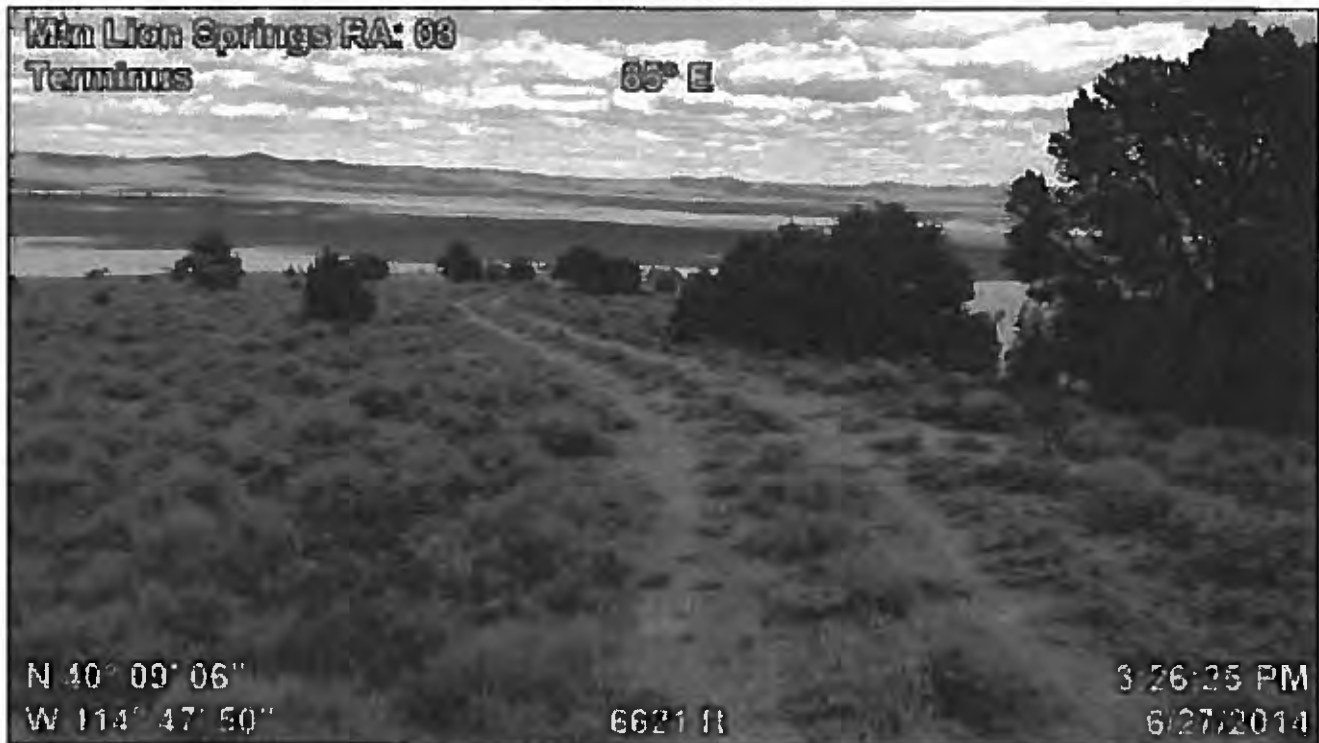
3 09:39 PM
6/27/2014



Attributes	
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Comment	
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Longitude	W 114° 47' 51"
Time Stamp	3:09:39 PM
Date Stamp	6/27/2014
Elevation	6719 ft
Photo Direction	288° WNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	06
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	Inconclusive
III A1 Construction	Bladed?
III A2 Improvements	By Hand Tools?
III B Evidence of Maintenance	No
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Route splits with one way washed out. Good campsite
Detail	Closure point and turnaround
Photo Direction	NW



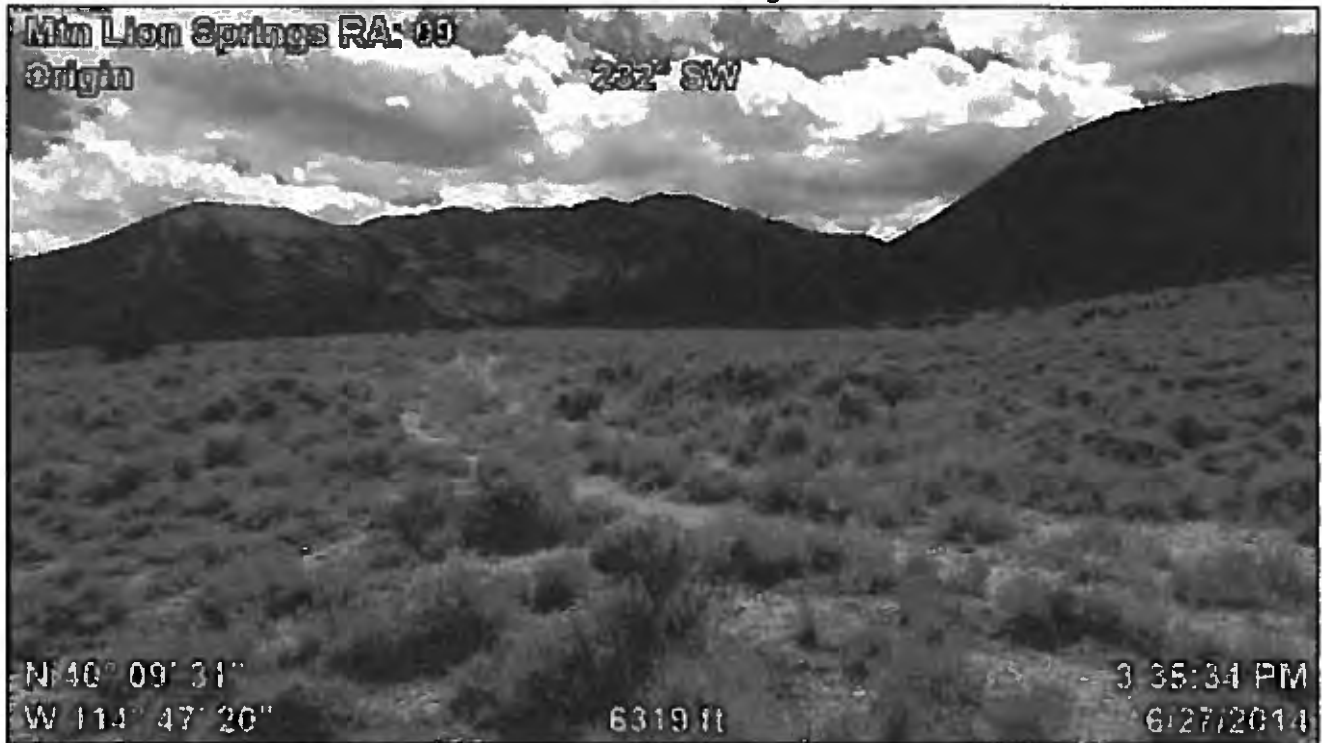
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Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 09' 16"
Longitude	W 114° 47' 08"
Time Stamp	3:18:10 PM
Date Stamp	6/27/2014
Elevation	6289 ft
Photo Direction	251° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	08
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	Inconclusive
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	Rare
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



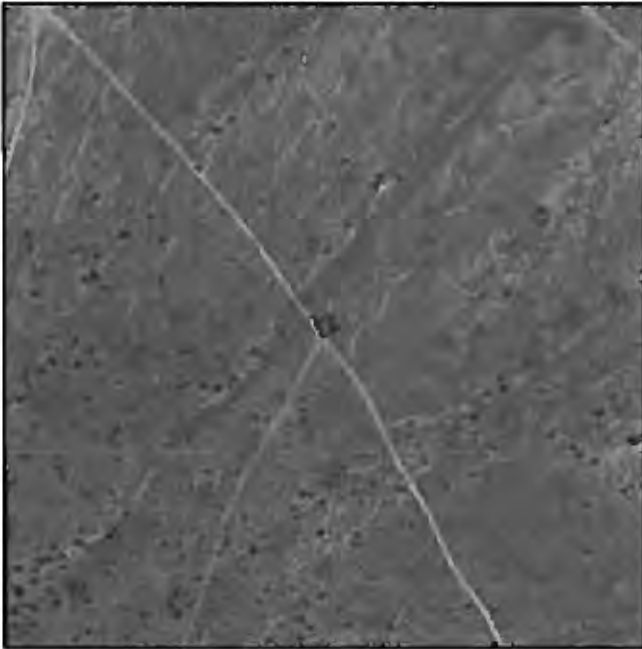
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Time Stamp	3:26:25 PM
Date Stamp	6/27/2014
Elevation	6621 ft
Photo Direction	85° E
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	08
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	Rare
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	E



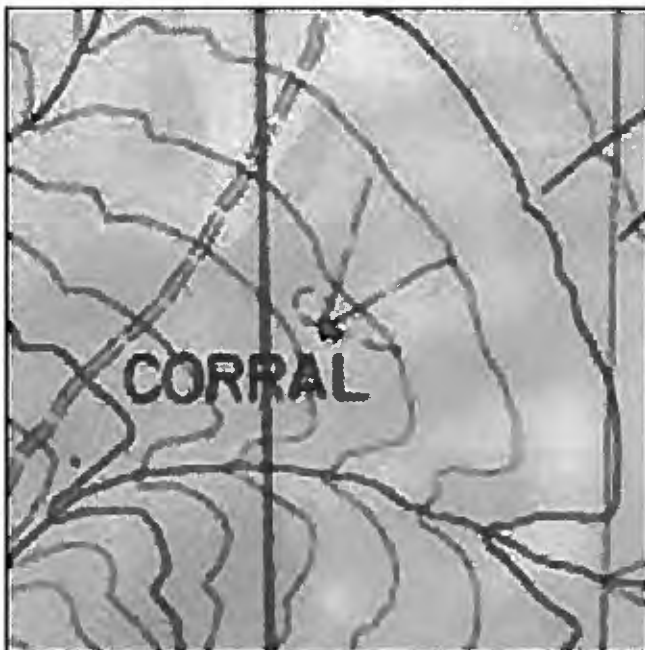
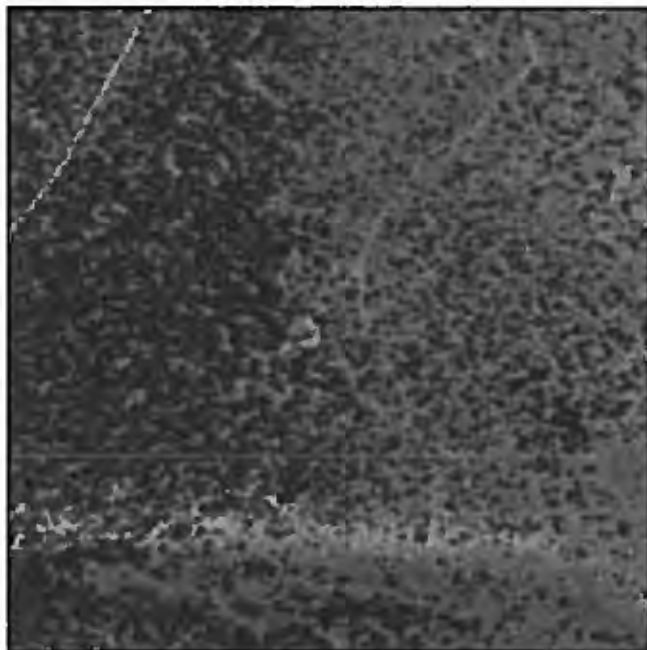
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Time Stamp	3:29:54 PM
Date Stamp	6/27/2014
Elevation	6542 ft
Photo Direction	56° NE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	09
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	NE



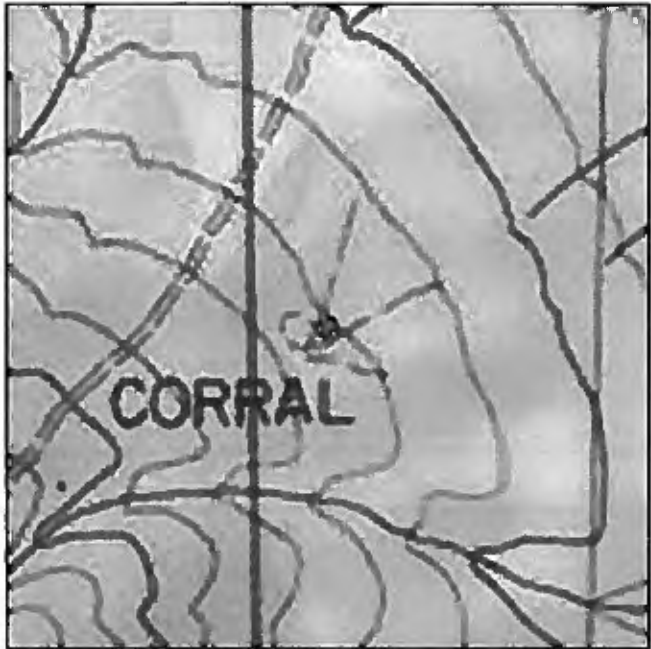
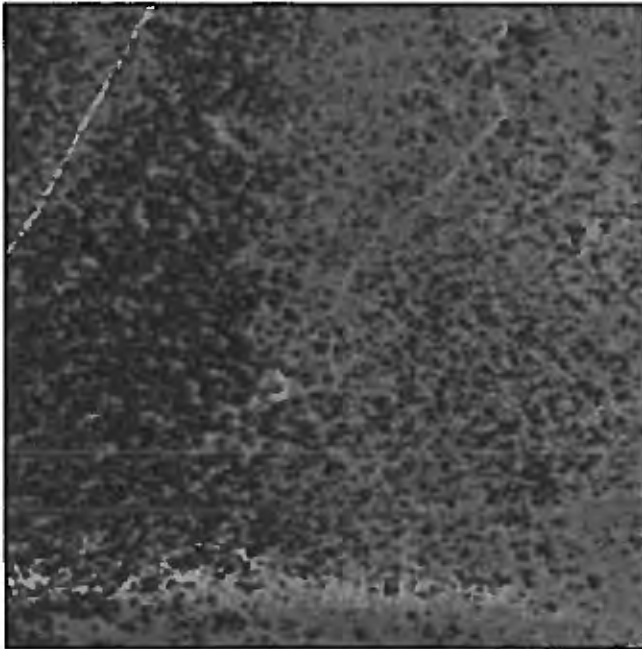
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Time Stamp	3:35:34 PM
Date Stamp	6/27/2014
Elevation	6319 ft
Photo Direction	232° SW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	09
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	Rare
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SW



Attributes	
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Subject	
Comment	
Description	
Tags	
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Time Stamp	3:45:10 PM
Date Stamp	6/27/2014
Elevation	6411 ft
Photo Direction	198° SSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	10
Route Reference	Origin
II Route Context-Historic	Access to abandoned and non-functioning corral
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	Rare
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SW



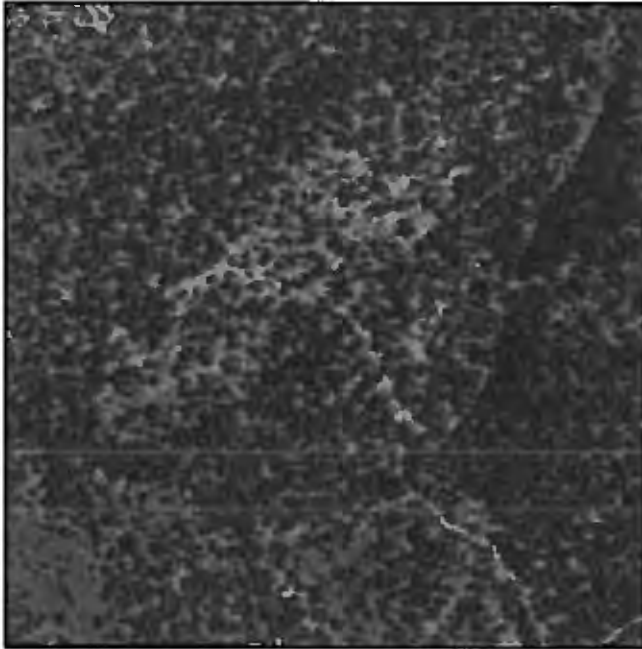
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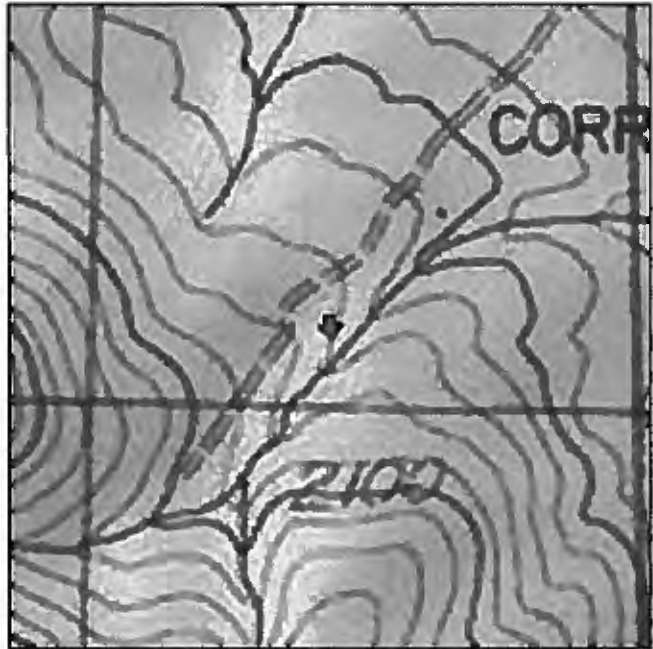
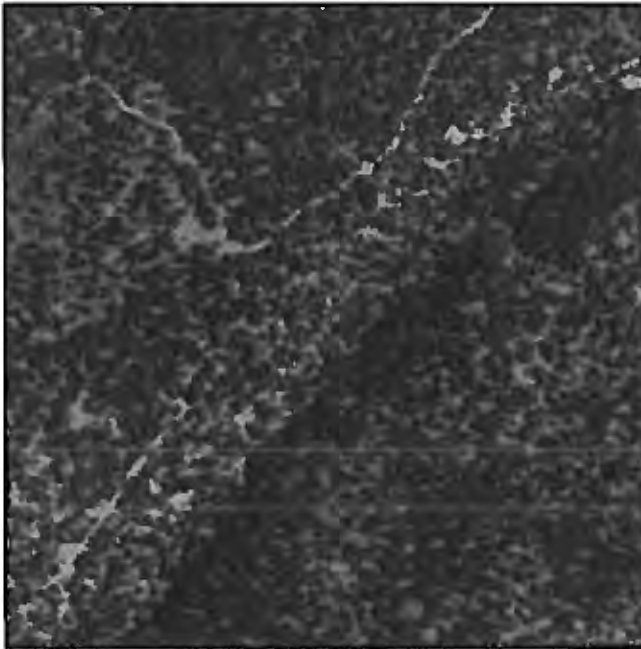
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Elevation	6558 ft
Photo Direction	24° NNE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	10
Route Reference	Terminus
II Route Context-Historic	Access to Former Private Property
II Route Context-Contemporary	Stock/Range Maintenance
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Access to defunct corral site. Close
Detail	
Photo Direction	NE



Attributes	
File Name	GeoJot+ 2014-06-27 15_16_02.jpg
Title	
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Comment	
Description	
Tags	
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Time Stamp	4:15:43 PM
Date Stamp	6/27/2014
Elevation	6414 ft
Photo Direction	186° S
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	11
Route Reference	Origin
II Route Context-Historic	Old wood cutting access
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SW

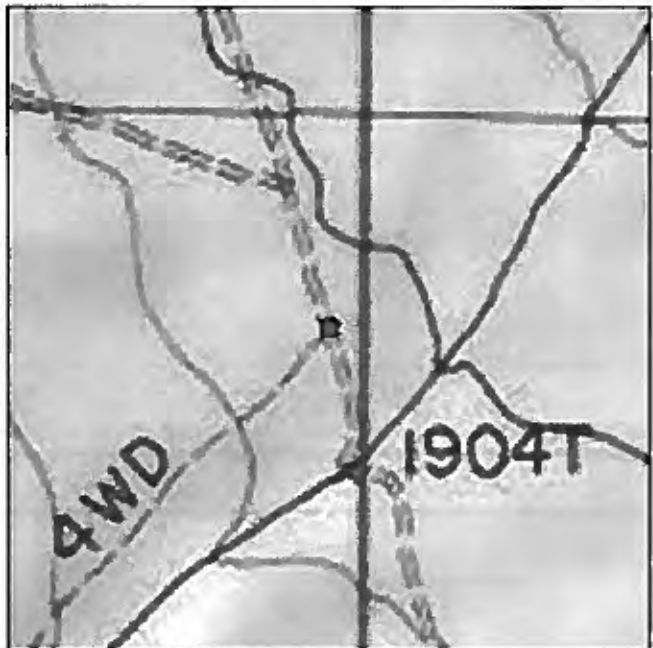
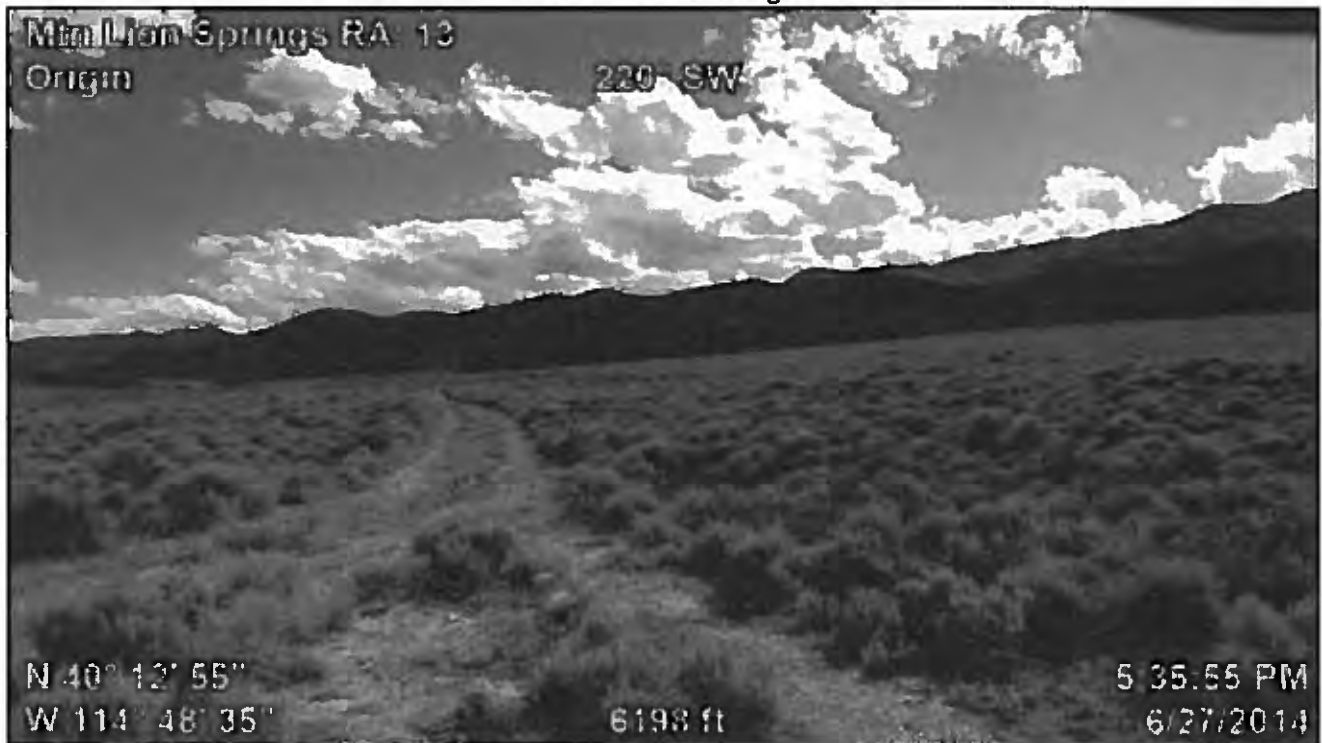


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Comment	
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Time Stamp	4:26:59 PM
Date Stamp	6/27/2014
Elevation	6722 ft
Photo Direction	190° S
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	11
Route Reference	Terminus
II Route Context-Historic	Wood Cutting
II Route Context-Contemporary	Access to tree cutting
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SE

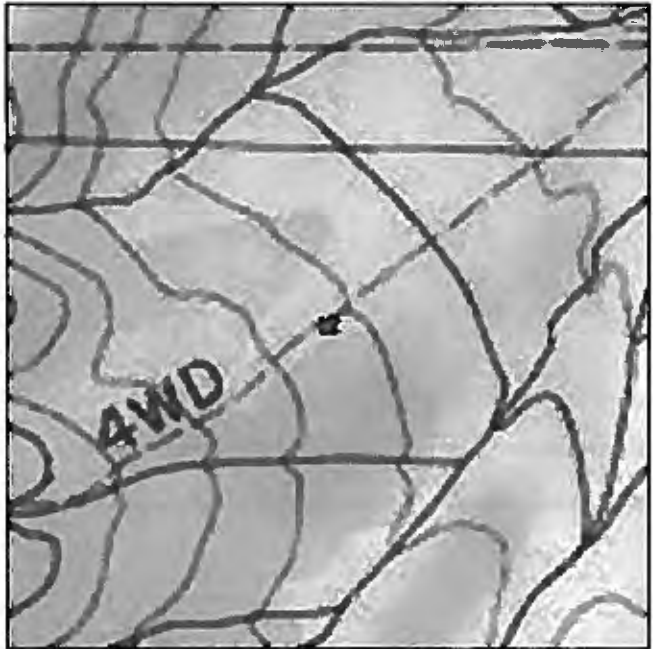
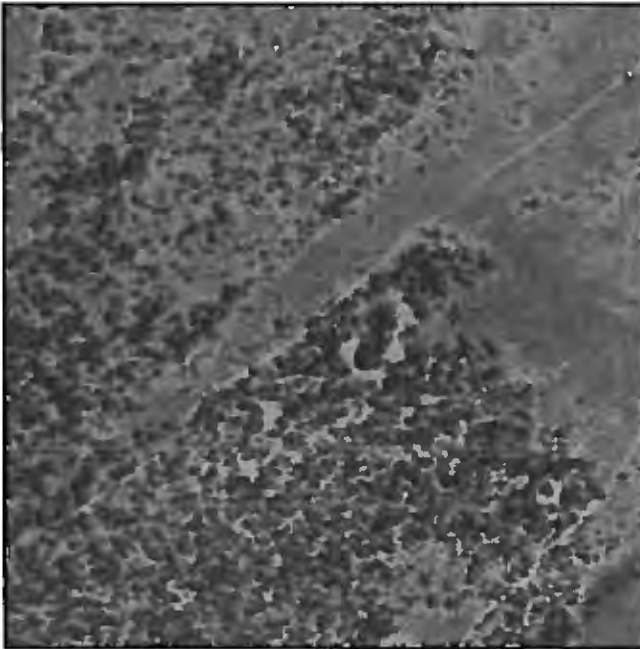


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Time Stamp	4:30:00 PM
Date Stamp	6/27/2014
Elevation	6696 ft
Photo Direction	173° S
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	12
Route Reference	Origin
II Route Context-Historic	Wood Gutting
II Route Context-Contemporary	Access to tree cutting
III Evidence of Const/Improve	No
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SW

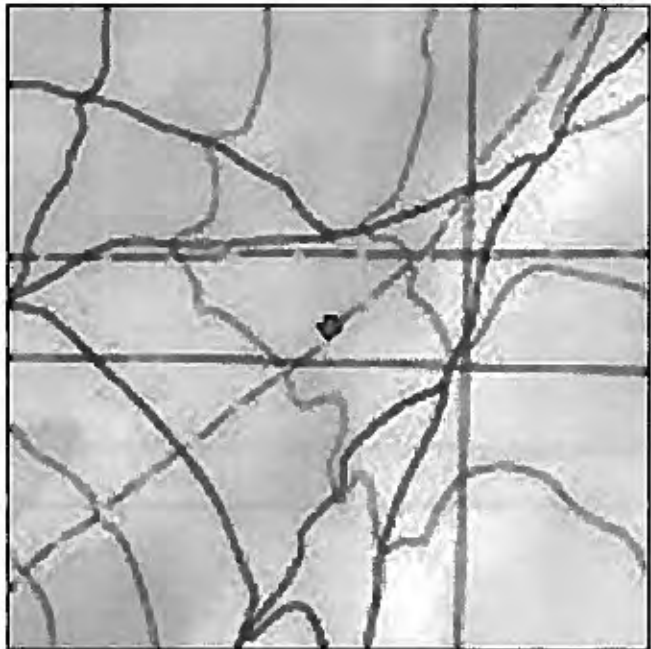
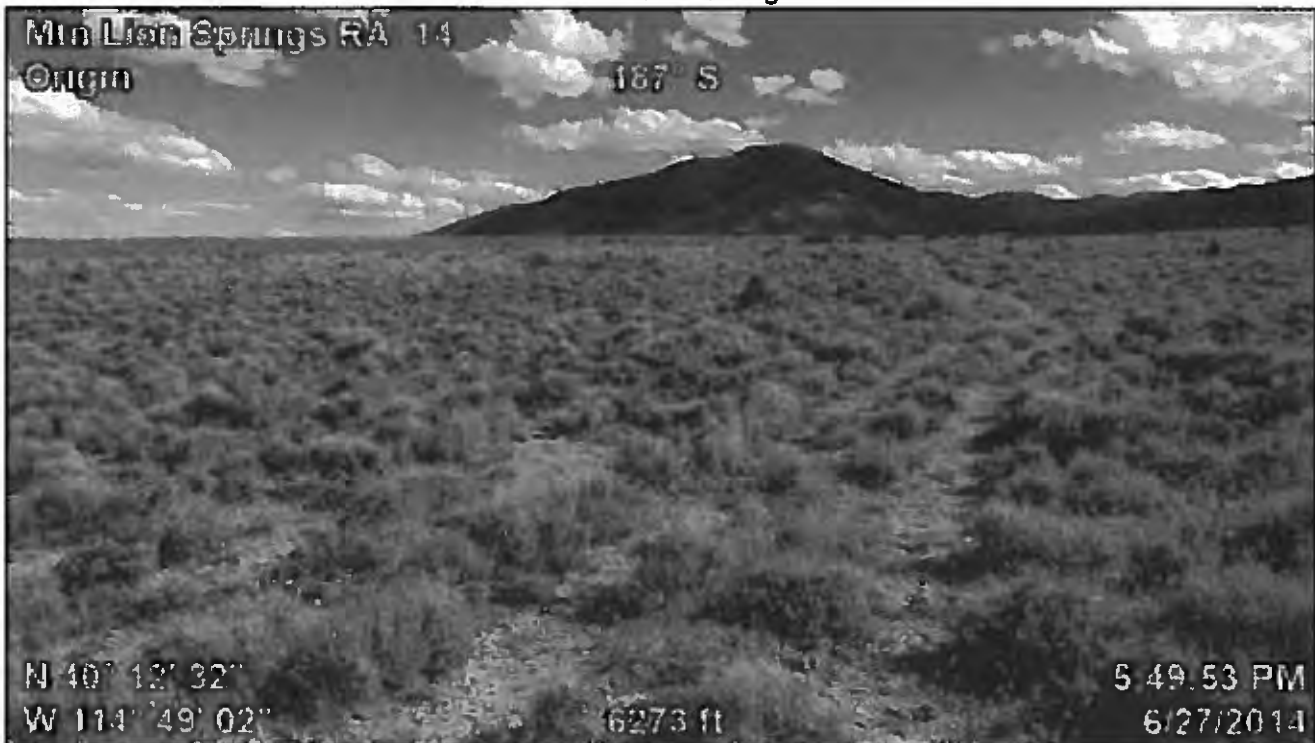




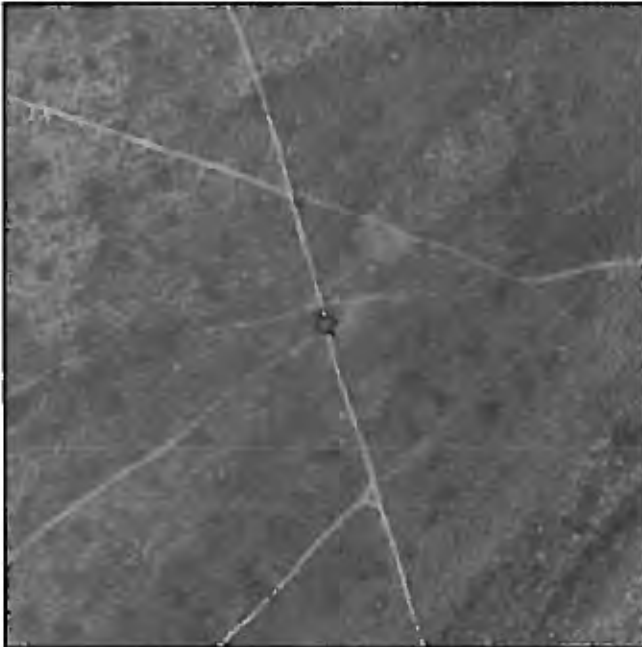
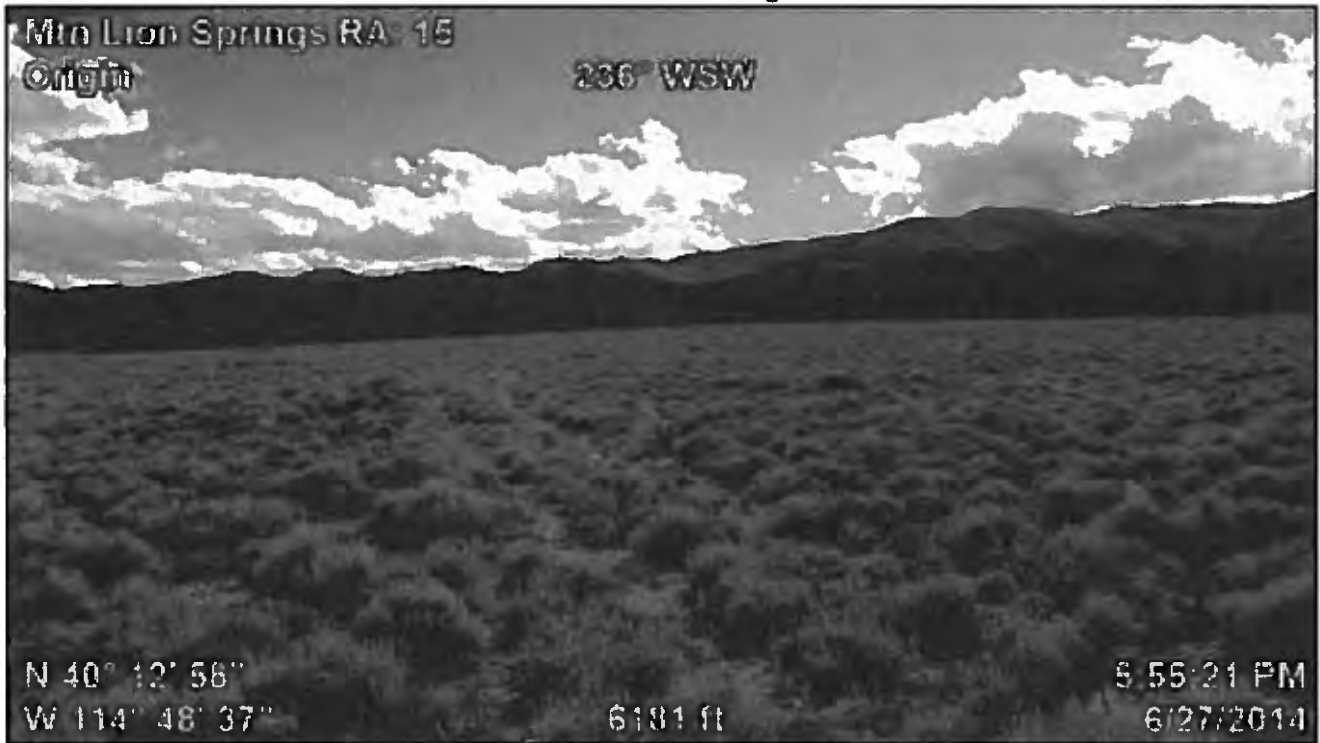
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Time Stamp	5:35:55 PM
Date Stamp	6/27/2014
Elevation	6198 ft
Photo Direction	220° SW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	13
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



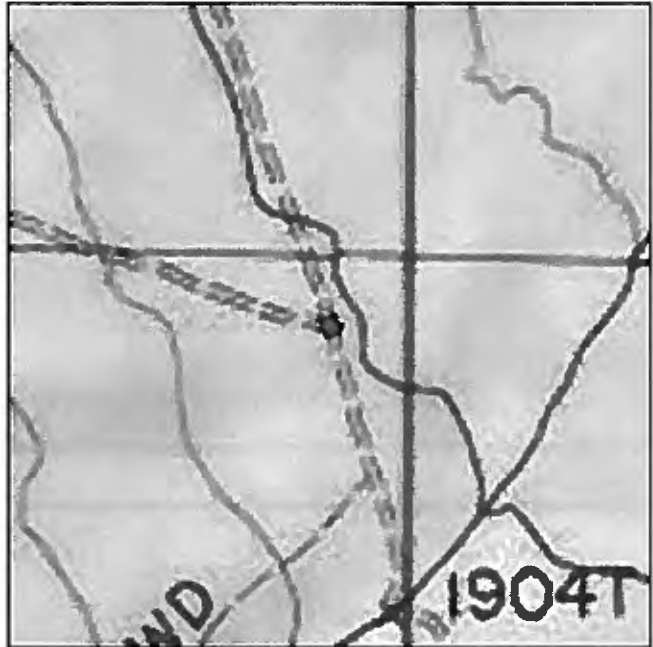
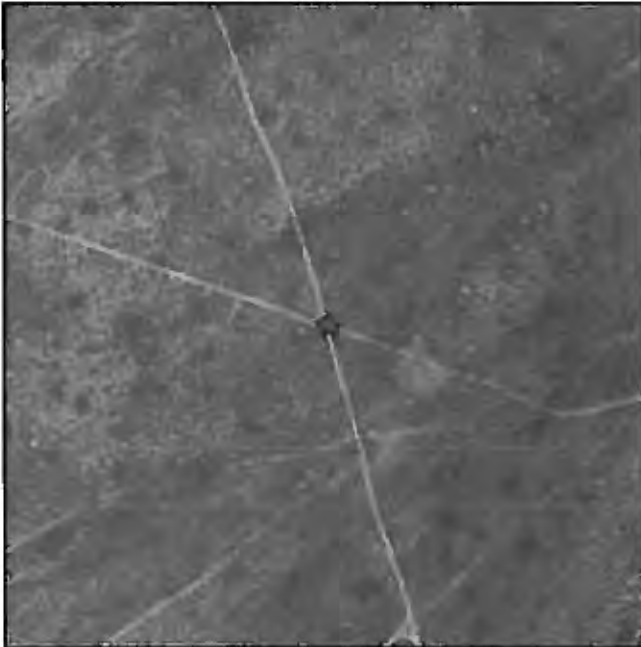
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Time Stamp	5:45:50 PM
Date Stamp	6/27/2014
Elevation	6352 ft
Photo Direction	220° SW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	13
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



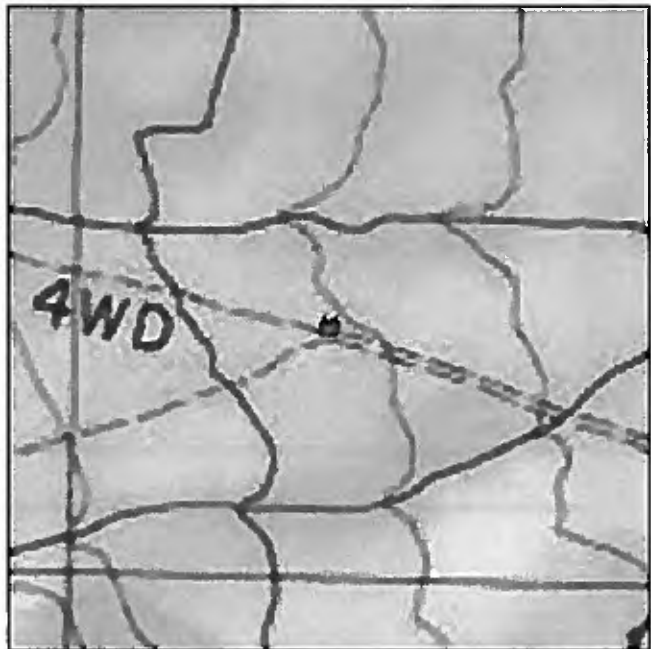
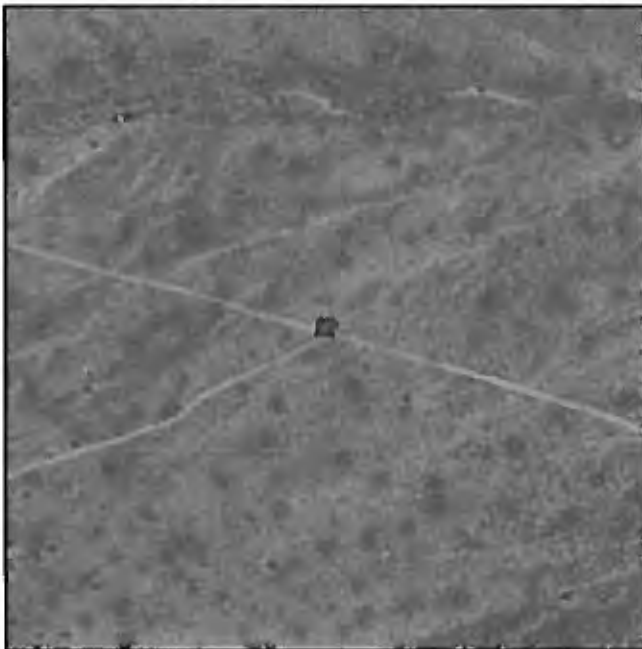
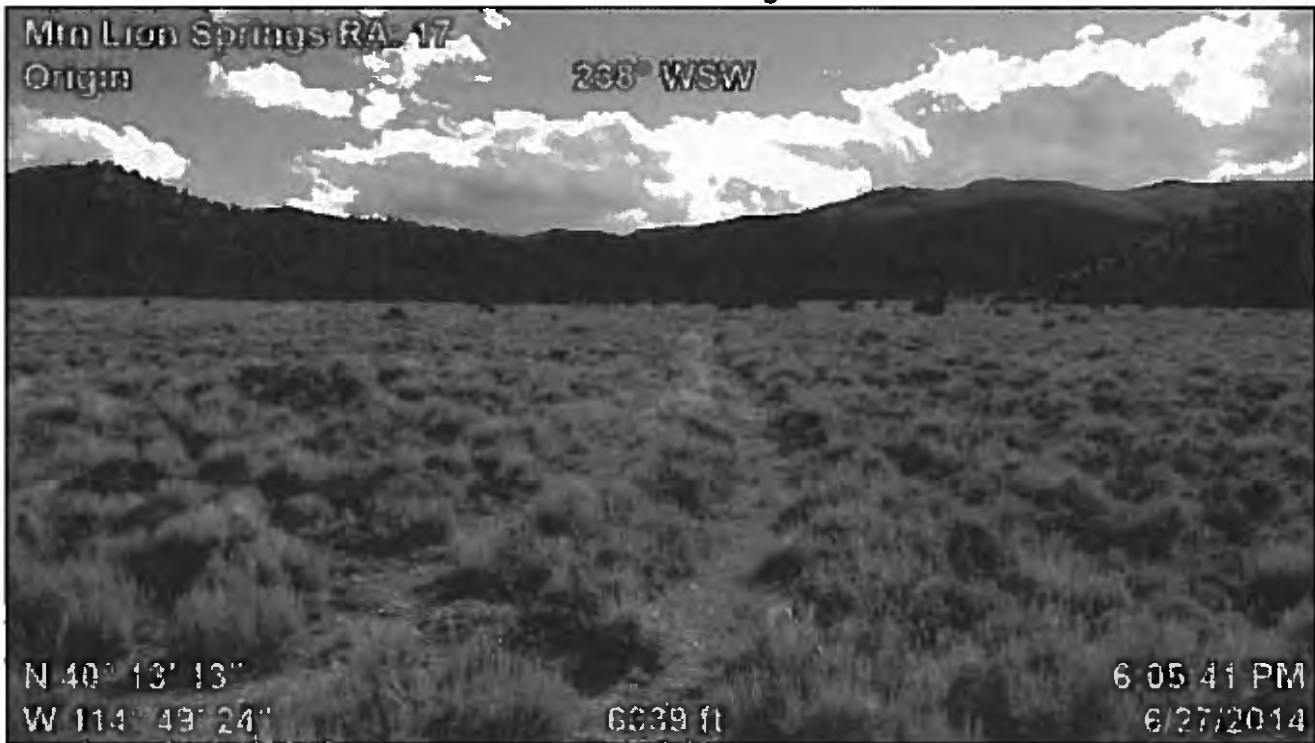
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Time Stamp	5:49:53 PM
Date Stamp	6/27/2014
Elevation	6273 ft
Photo Direction	187° S
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	14
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SW



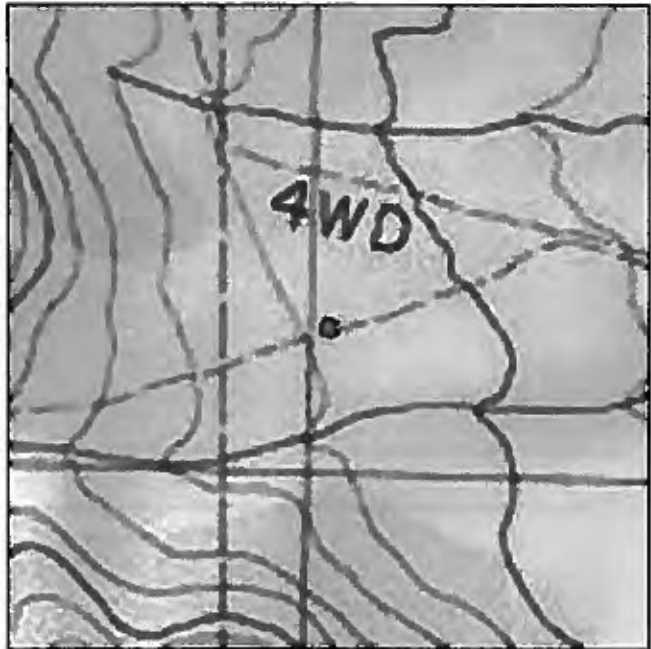
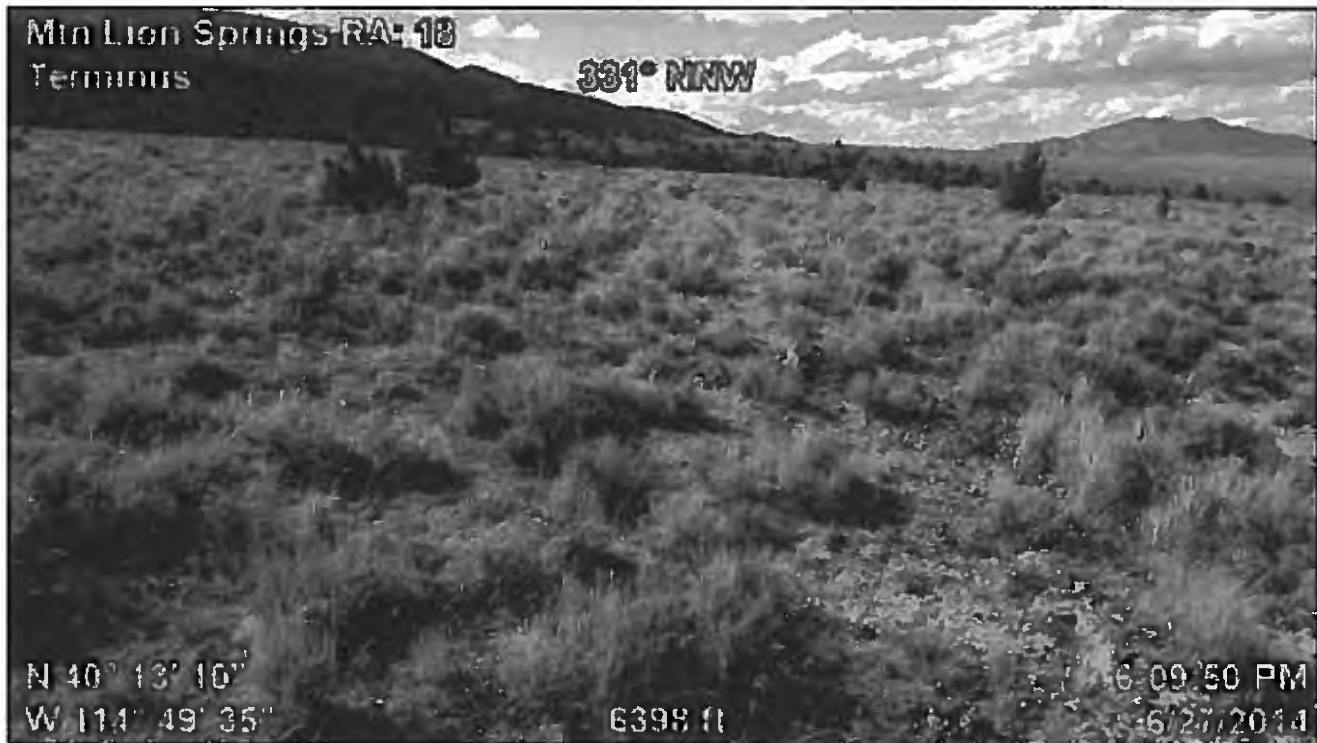
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Date Stamp	6/27/2014
Elevation	6181 ft
Photo Direction	236° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	15
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



Attributes	
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Subject	
Comment	
Description	
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Longitude	W 114° 48' 38"
Time Stamp	5:58:42 PM
Date Stamp	6/27/2014
Elevation	6171ft
Photo Direction	289° WNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	16
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehab/Naturalize route
Detail	
Photo Direction	W



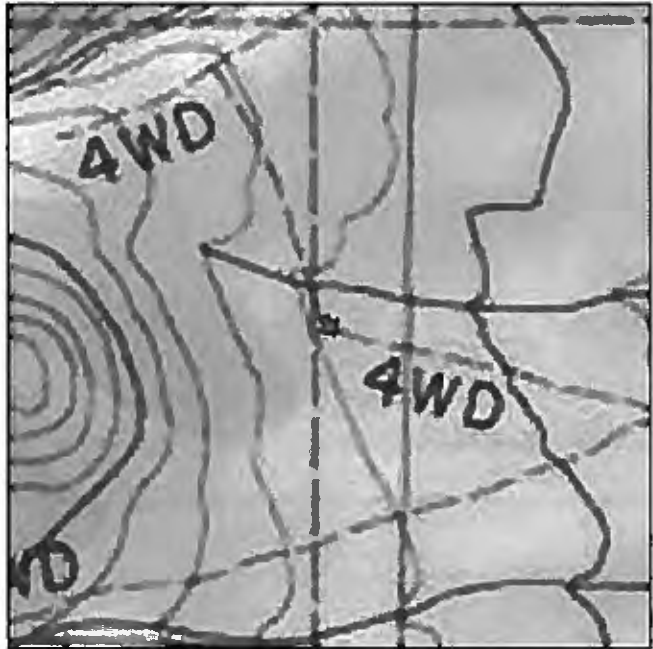
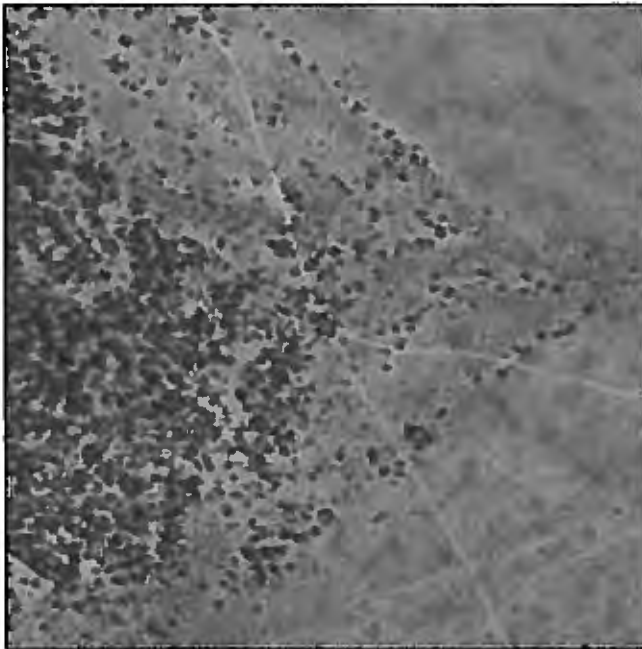
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Date Stamp	6/27/2014
Elevation	6339 ft
Photo Direction	238° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	17
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



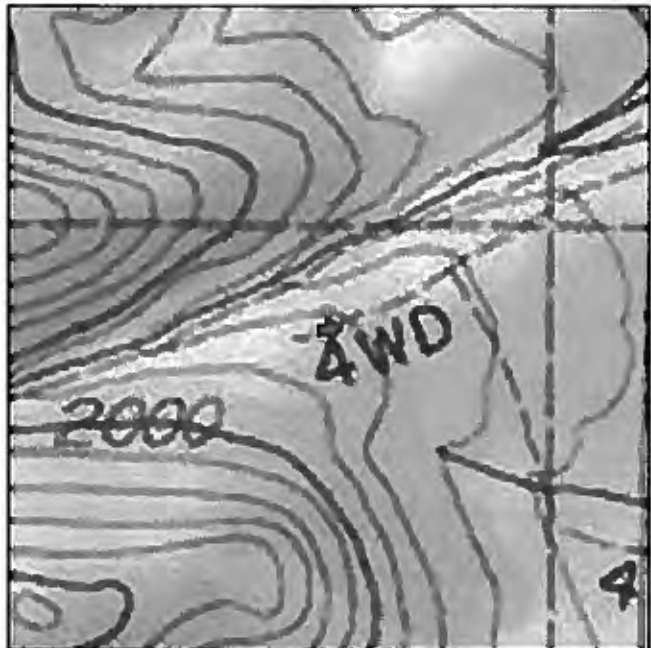
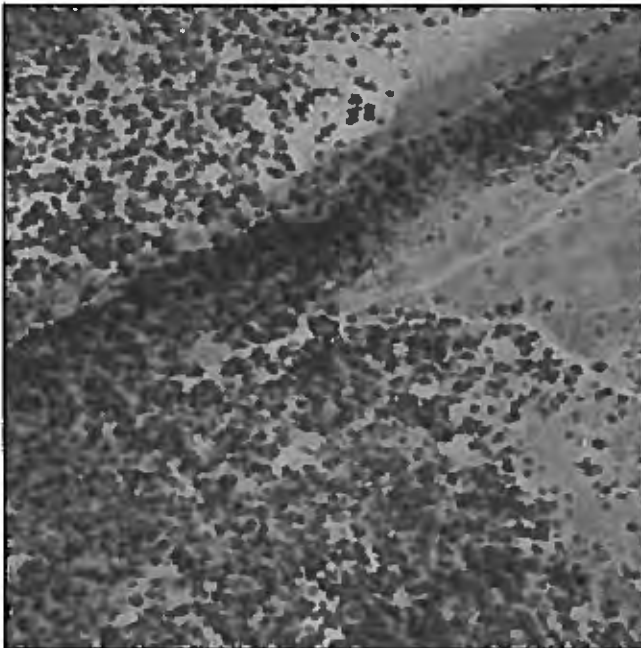
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Time Stamp	6:09:50 PM
Date Stamp	6/27/2014
Elevation	6398 ft
Photo Direction	331° NNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	18
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	Low
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	N



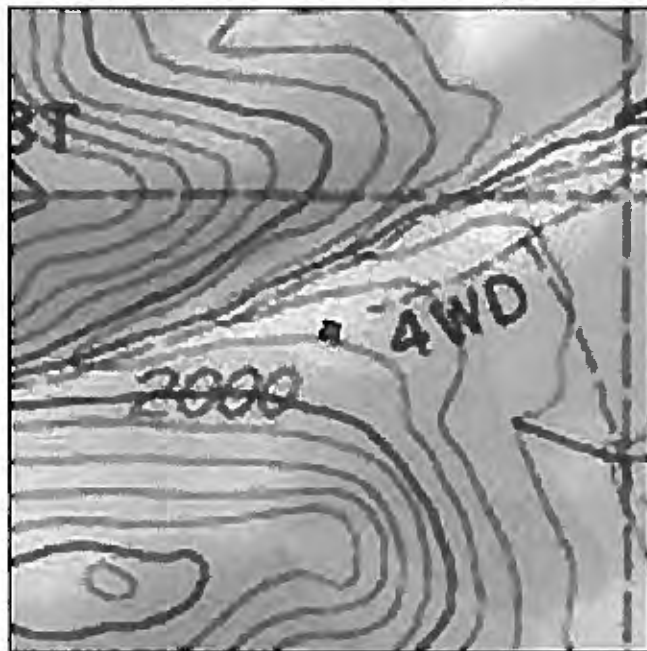
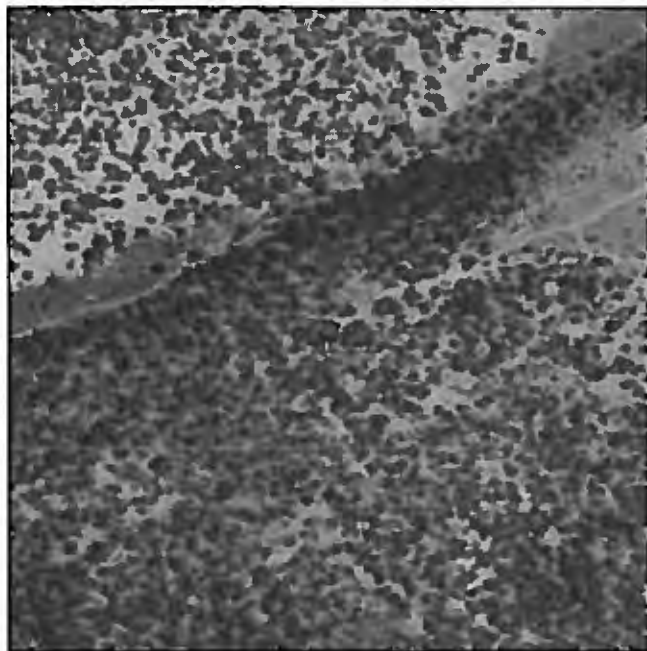
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Longitude	W 114° 49' 35"
Time Stamp	6:11:08 PM
Date Stamp	6/27/2014
Elevation	6375 ft
Photo Direction	253° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	17
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	Revegetated
Photo Direction	W



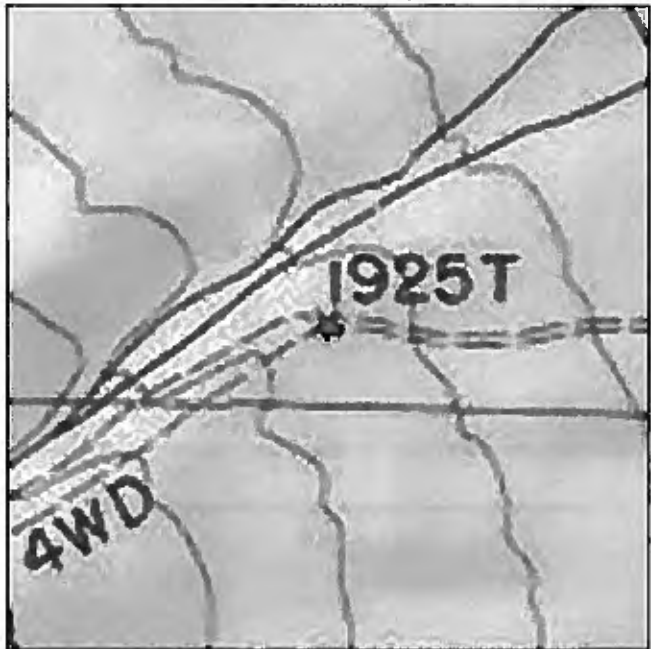
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Longitude	W 114° 49' 40"
Time Stamp	6:16:00 PM
Date Stamp	6/27/2014
Elevation	6365 ft
Photo Direction	149° SSE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	18
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	S



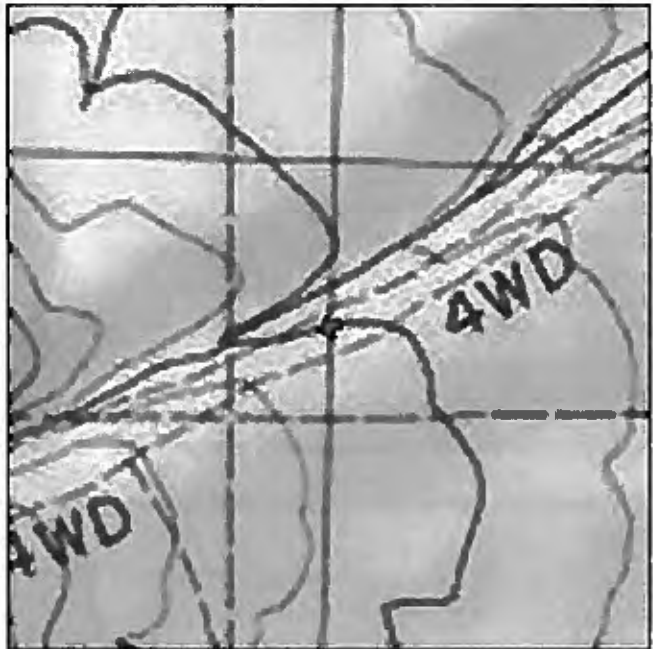
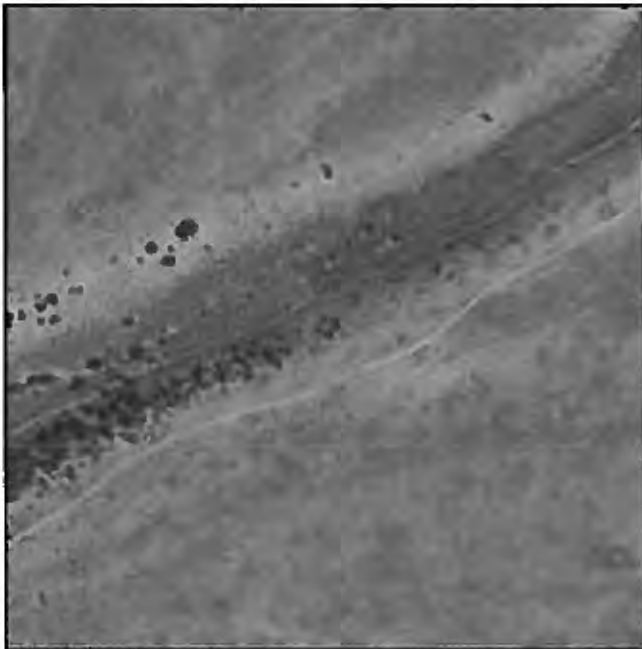
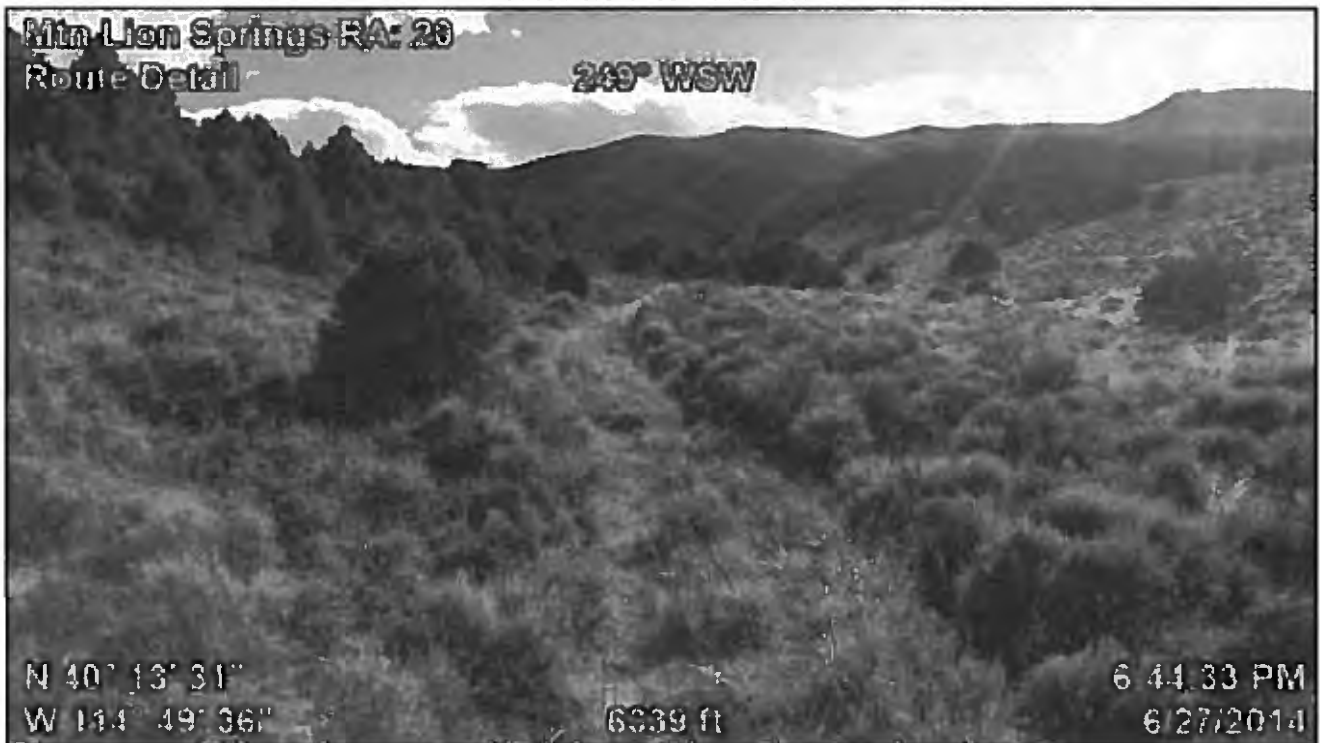
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Time Stamp	6:22:39 PM
Date Stamp	6/27/2014
Elevation	6450 ft
Photo Direction	83° E
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	16
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	Low
Recommendations/Comments	Very overgrown near end. Closure
Detail	Revegetated
Photo Direction	NE



Attributes	
File Name	GeoJot+ 2014-06-27 17_25_35.jpg
Title	
Subject	
Comment	
Description	
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Latitude	N 40° 13' 22"
Longitude	W 114° 49' 55"
Time Stamp	6:25:15 PM
Date Stamp	6/27/2014
Elevation	6480 ft
Photo Direction	58° ENE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	19
Route Reference	Terminus
II Route Context-Historic	Wood Cutting
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	Low
Recommendations/Comments	Ends at campsite
Detail	
Photo Direction	NE



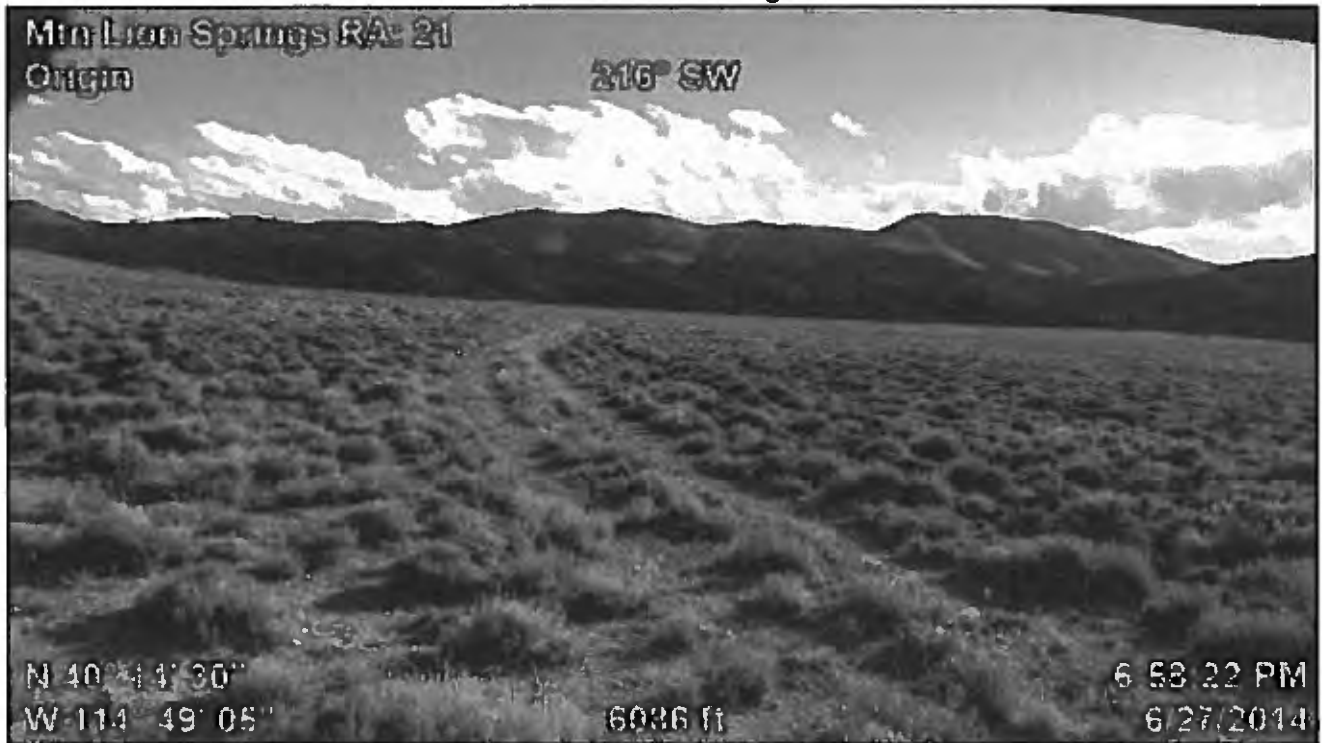
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Time Stamp	6:38:26 PM
Date Stamp	6/27/2014
Elevation	6253 ft
Photo Direction	288° WNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	19
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



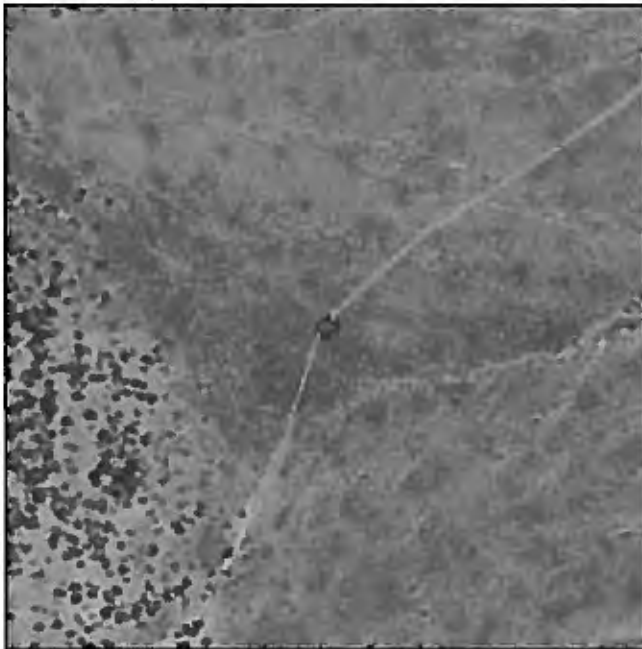
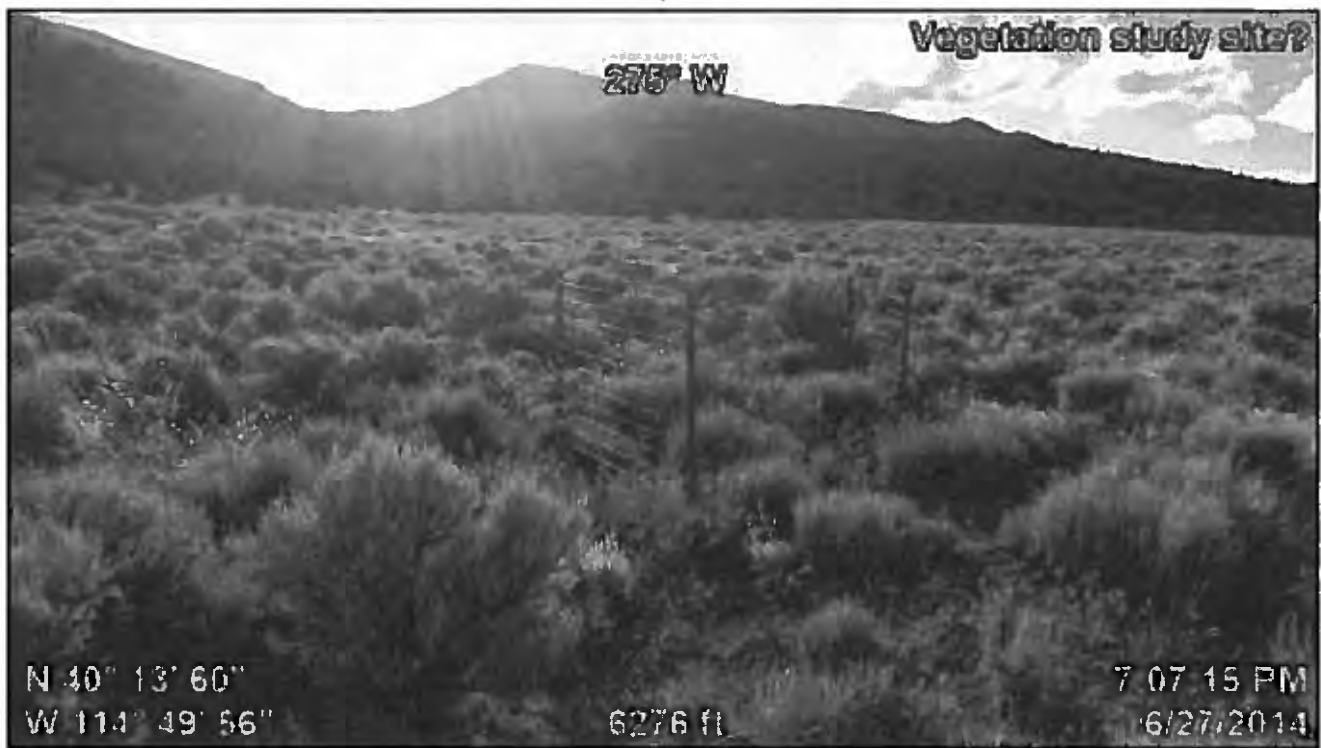
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Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 13' 31"
Longitude	W 114° 49' 36"
Time Stamp	6:44:33 PM
Date Stamp	6/27/2014
Elevation	6339 ft
Photo Direction	249° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	20
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	Revegetated
Photo Direction	W



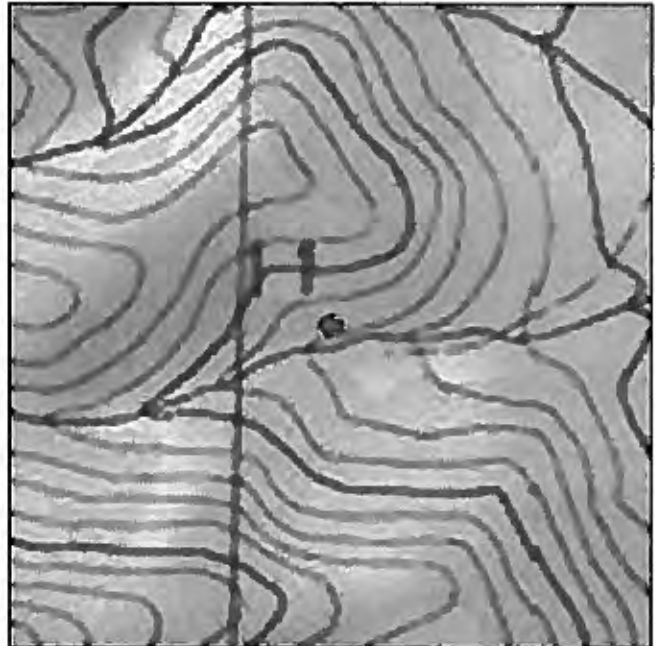
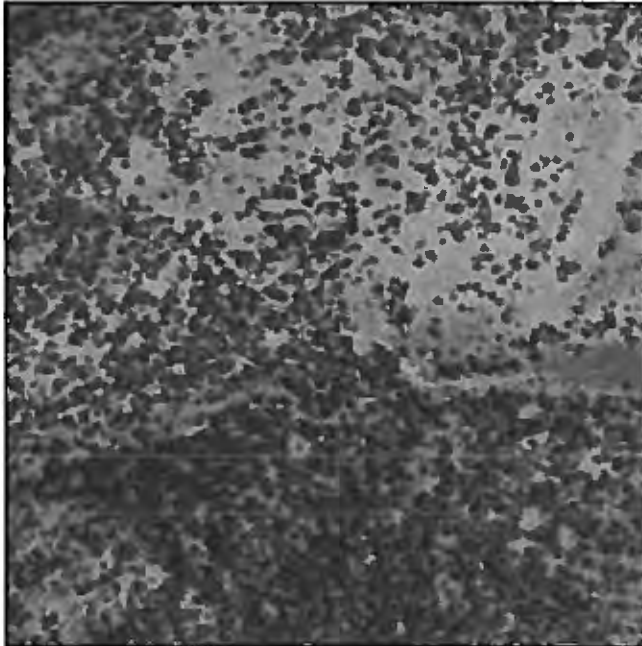
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Subject	
Comment	
Description	
Tags	
Latitude	N 40° 13' 41"
Longitude	W 114° 48' 49"
Time Stamp	6:52:20 PM
Date Stamp	6/27/2014
Elevation	6148 ft
Photo Direction	268° W
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	20
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



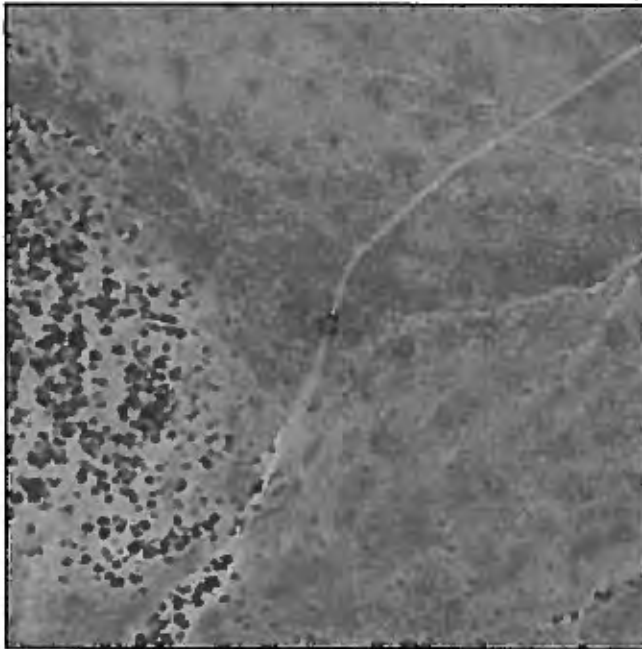
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Subject	
Comment	
Description	
Tags	
Latitude	N 40° 14' 30"
Longitude	W 114° 49' 05"
Time Stamp	6:58:22 PM
Date Stamp	6/27/2014
Elevation	6086 ft
Photo Direction	216° SW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	21
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SW



Attributes	
File Name	GeoJot+ 2014-06-27 18_07_34.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 13' 60"
Longitude	W 114° 49' 56"
Time Stamp	7:07:15 PM
Date Stamp	6/27/2014
Elevation	6276 ft
Photo Direction	275° W
Make	ASUS
Model	ASUS Transformer Pad TF300T
Sign Type	
Possible Stewardship	
Notes	
Fence Purpose	Range Study Exclosure



Attributes	
File Name	GeoJot+ 2014-06-27 18_22_09.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 13' 51"
Longitude	W 114° 50' 13"
Time Stamp	7:21:50 PM
Date Stamp	6/27/2014
Elevation	6483 ft
Photo Direction	280° W
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	21
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Motorized Hunting Tracks?
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Route gradually becomes rougher until only atv tracks pioneered through woods
Detail	
Photo Direction	E



Attributes	
File Name	GeoJot+ 2014-06-27 18_37_12.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 13' 59"
Longitude	W 114° 49' 56"
Time Stamp	7:36:53 PM
Date Stamp	6/27/2014
Elevation	6312 ft
Photo Direction	212° SSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	21
Route Reference	Route Detail
II Route Context-Historic	Wood Gutting
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	Closure point
Photo Direction	S

Min Lion Springs RA: 23
Origin

245° WSW



N 40° 15' 05"
W 114° 49' 14"

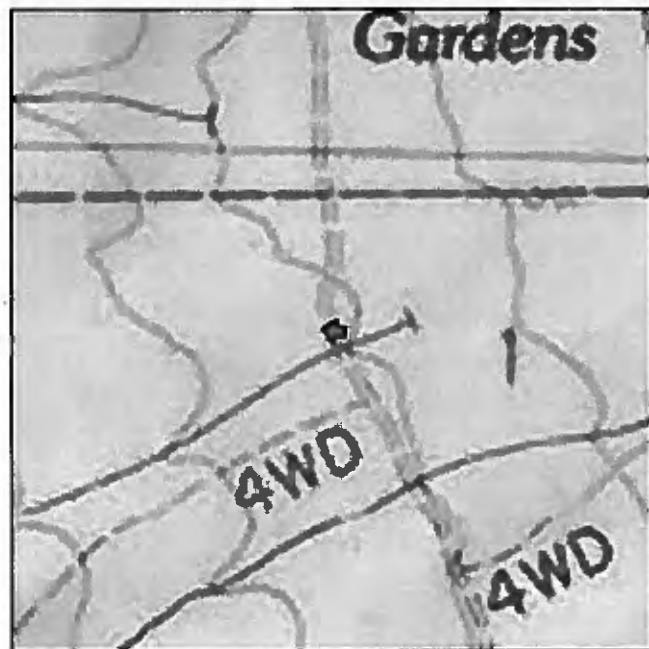
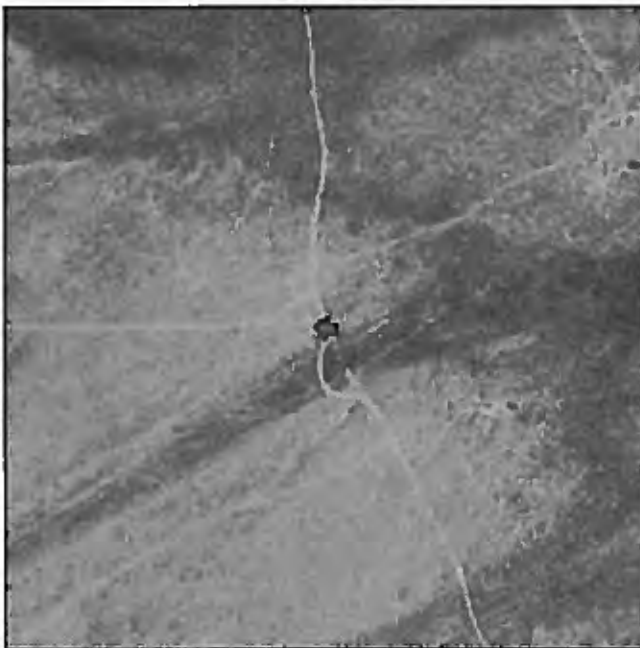
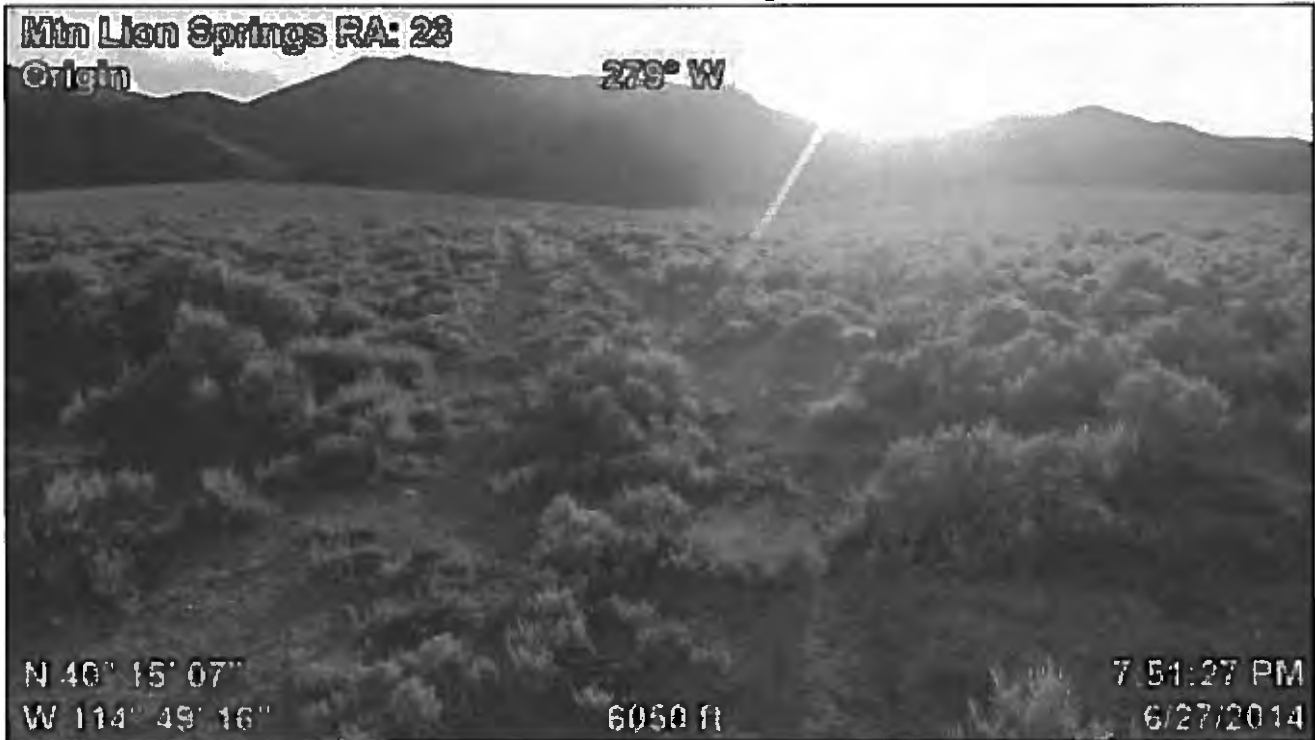
6066 ft

7:47:59 PM
6/27/2014



Attributes	
File Name	GeoJot+ 2014-06-27 18_48_18.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 15' 05"
Longitude	W 114° 49' 14"
Time Stamp	7:47:59 PM
Date Stamp	6/27/2014
Elevation	6066 ft
Photo Direction	245° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	23
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W

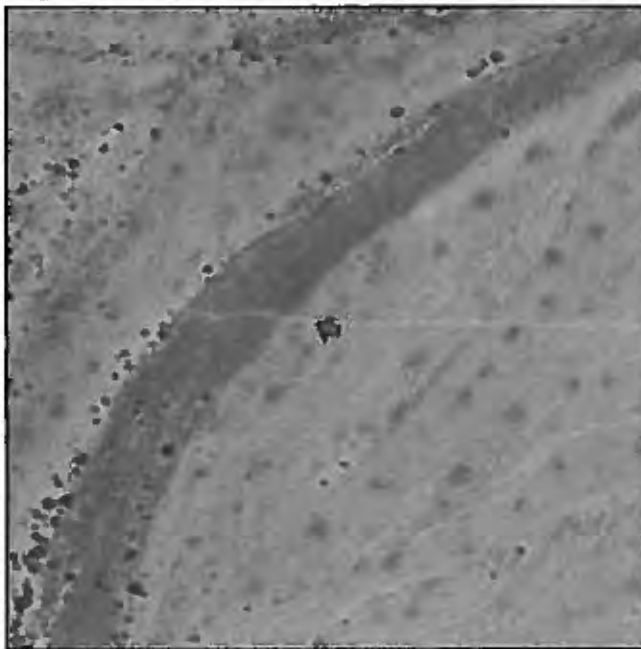
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Subject	
Comment	
Description	
Tags	
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Longitude	W 114° 49' 14"
Time Stamp	7:47:59 PM
Date Stamp	6/27/2014
Elevation	6066 ft
Photo Direction	245° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	2B
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



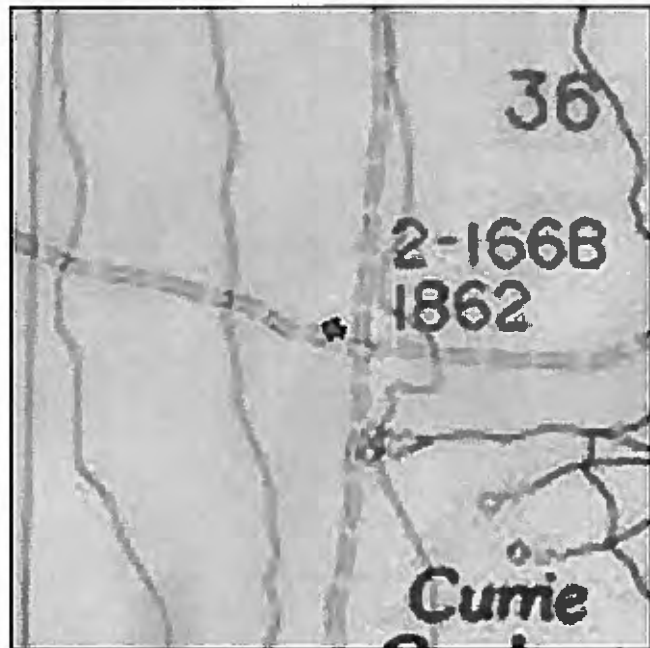
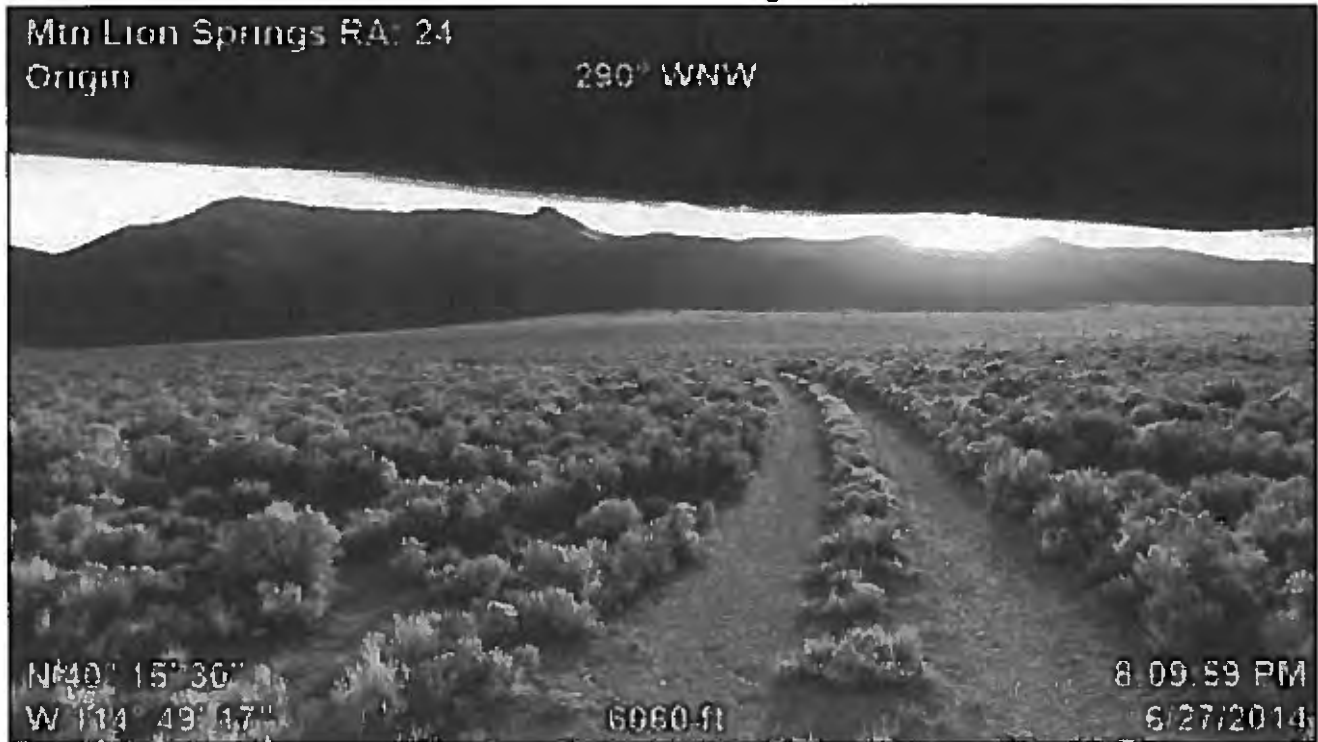
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File Name	GeoJot+ 2014-06-27 18_51_46.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 15' 07"
Longitude	W 114° 49' 16"
Time Stamp	7:51:27 PM
Date Stamp	6/27/2014
Elevation	6050 ft
Photo Direction	279° W
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	23
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W

Mtn Lion Springs RA: 23
Terminus

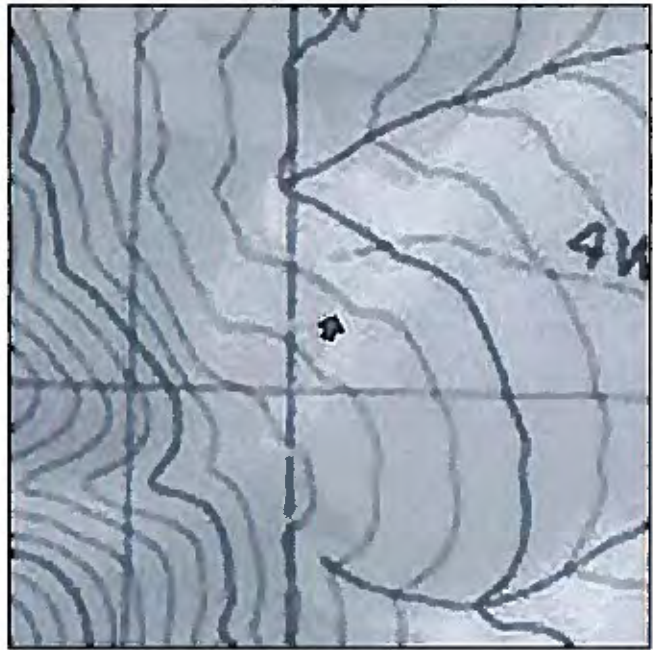
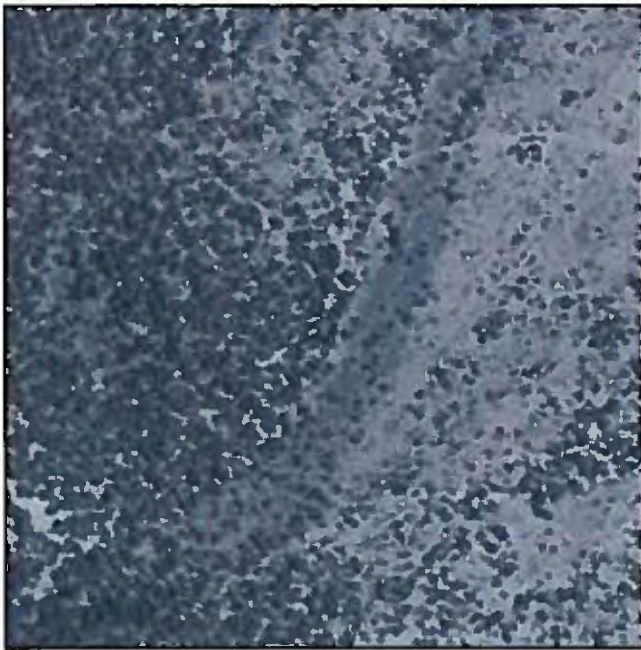
290° WNW



Attributes	
File Name	GeoJot+ 2014-06-27 18_57_43.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 15' 07"
Longitude	W 114° 50' 11"
Time Stamp	7:57:24 PM
Date Stamp	6/27/2014
Elevation	6329 ft
Photo Direction	290° WNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	23
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



Attributes	
File Name	GeoJot+ 2014-06-27 19_10_18.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 15' 30"
Longitude	W 114° 49' 17"
Time Stamp	8:09:59 PM
Date Stamp	6/27/2014
Elevation	6060 ft
Photo Direction	290° WNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	24
Route Reference	Origin
II Route Context-Historic	Access to Moonshine Springs
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Low
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	W



Attributes	
File Name	GeoJot+ 2014-06-27 19_23_18.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 15' 50"
Longitude	W 114° 50' 46"
Time Stamp	8:22:59 PM
Date Stamp	6/27/2014
Elevation	6493 ft
Photo Direction	17° NNE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	24
Route Reference	Terminus
II Route Context-Historic	This fork ends in possible old wood cutting area
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	N

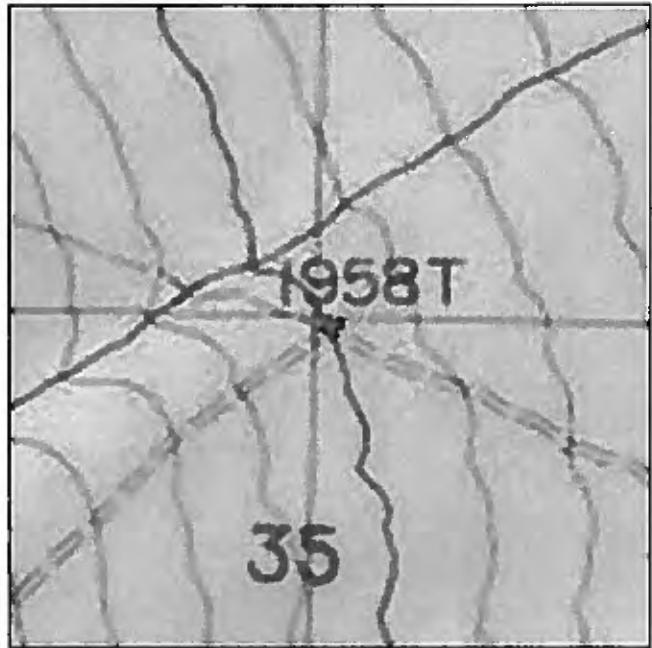
Mountain Lion Springs RA: 25
Origin

243° WSW

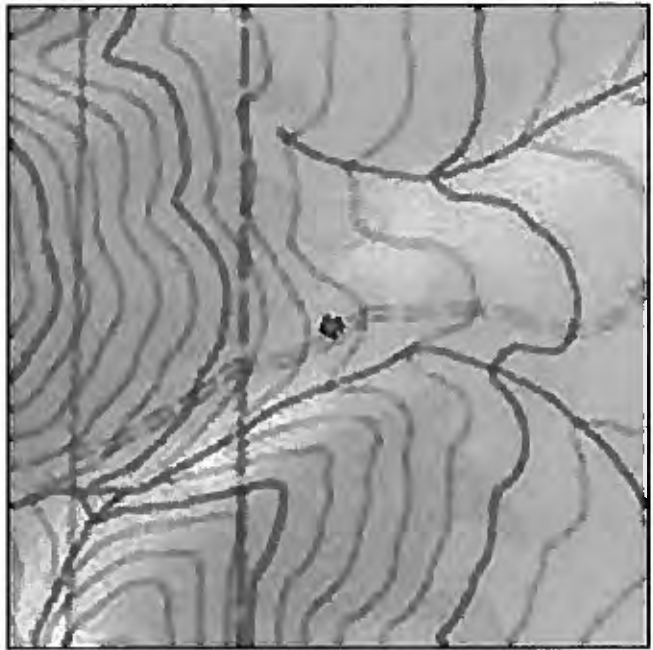
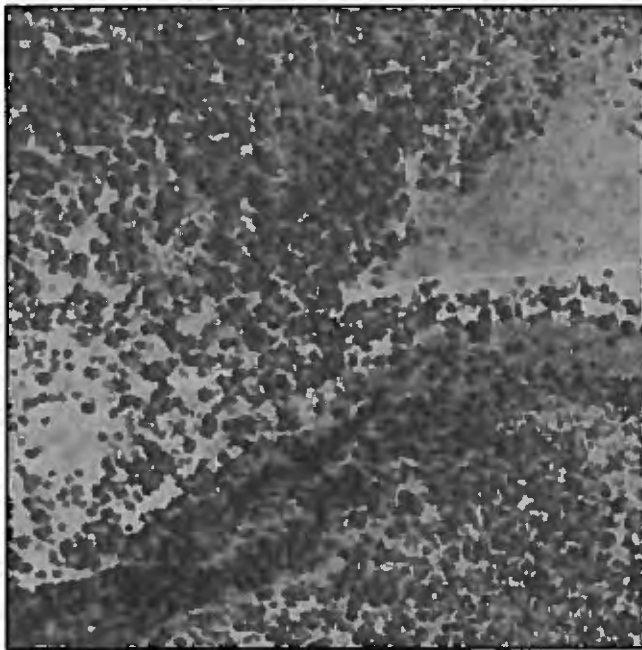
N 40° 15' 46"
W 114° 50' 13"

6302 ft

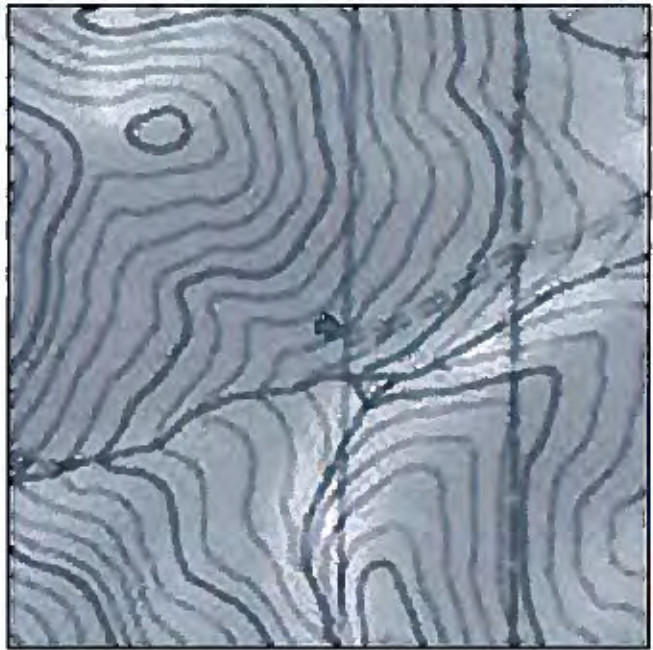
8:28:20 PM
6/27/2014



Attributes	
File Name	GeoJob- 2014-06-27 19_28_39.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 15' 46"
Longitude	W 114° 50' 13"
Time Stamp	8:28:20 PM
Date Stamp	6/27/2014
Elevation	6302 ft
Photo Direction	248° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	25
Route Reference	Origin
II Route Context-Historic	Old access to Moonshine Springs
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	SW

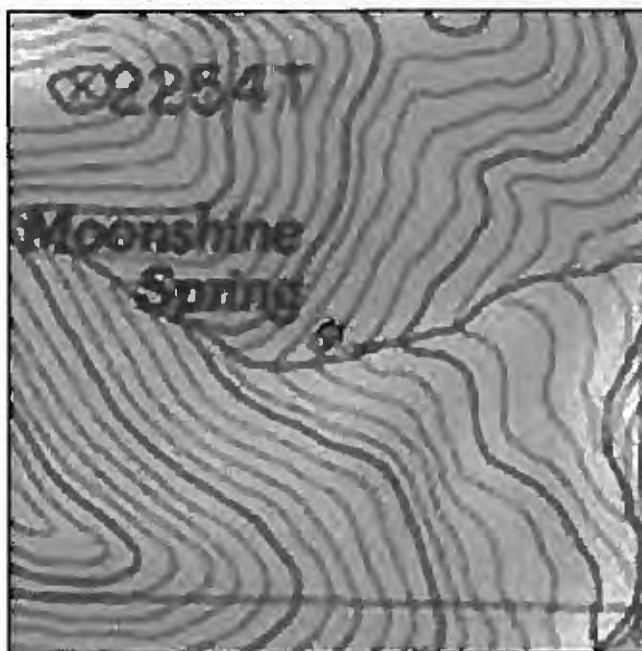
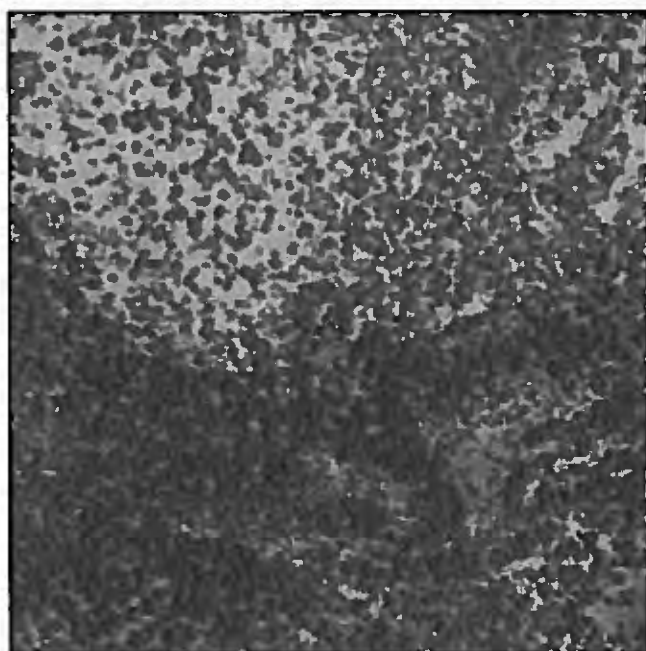


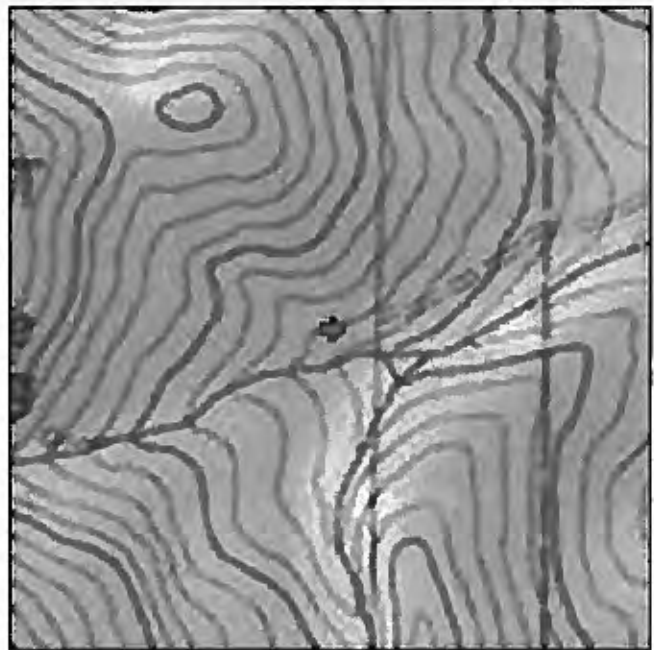
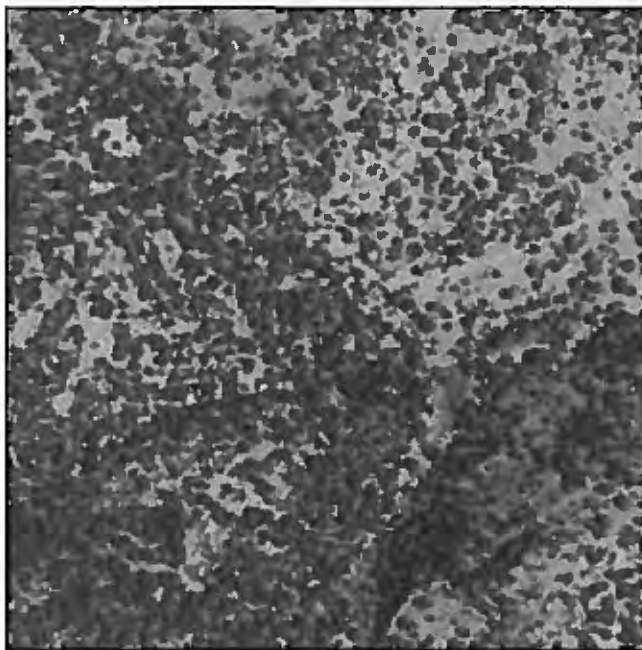
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Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 15' 34"
Longitude	W 114° 50' 44"
Time Stamp	9:03:00 PM
Date Stamp	6/27/2014
Elevation	6585 ft.
Photo Direction	249° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	25
Route Reference	Route Detail
II Route Context-Historic	Access Moonshine Spring
II Route Context-Contemporary	Recreation?
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	Vegetation Cutting
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	Trees encroaching on route- not suitable for vehicles beyond this point
Photo Direction	W



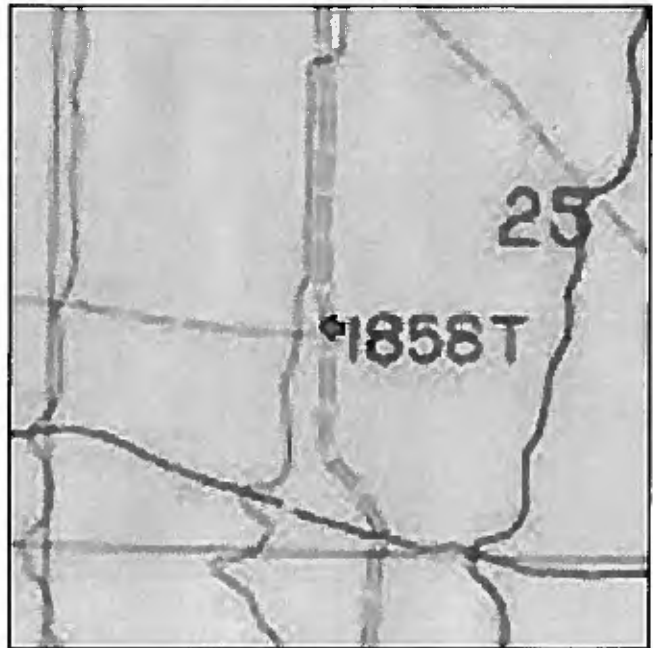
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File Name	GeoJot+ 2014-06-27 20_09_19.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 15' 30"
Longitude	W 114° 50' 57"
Time Stamp	9:09:00 PM
Date Stamp	6/27/2014
Elevation	6726 ft
Photo Direction	89° E
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	25
Route Reference	Terminus
II Route Context-Historic	Access Moonshine Springs
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Faint atv tracks continue up hill
Detail	
Photo Direction	E

Moonshine Spring





26
Route Reference: Origin



Attributes	
File Name	GeoJot+ 2014-06-28 09_47_10.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 16' 26"
Longitude	W 114° 49' 17"
Time Stamp	10:46:51 AM
Date Stamp	6/28/2014
Elevation	6050 ft
Photo Direction	276° W
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	26
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Did not follow route to the terminus
Detail	
Photo Direction	W

27

Route Reference: Origin

Min Lion Springs RA: 27
Origin

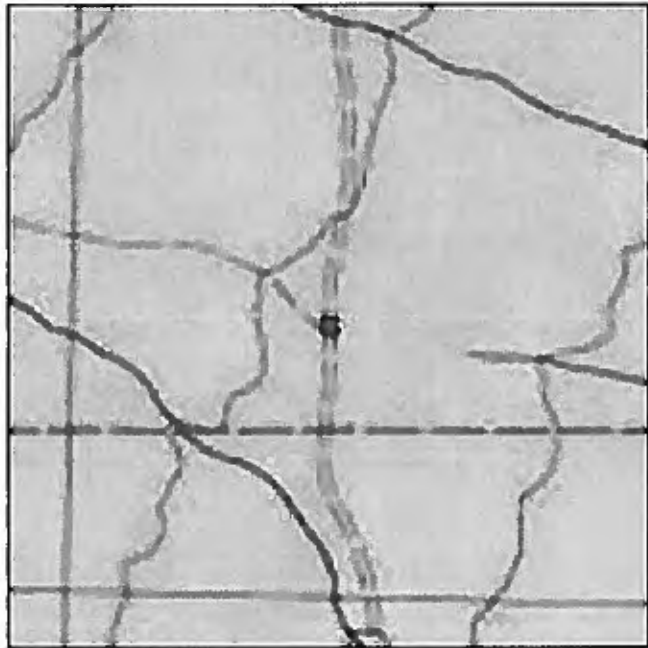
318' NW



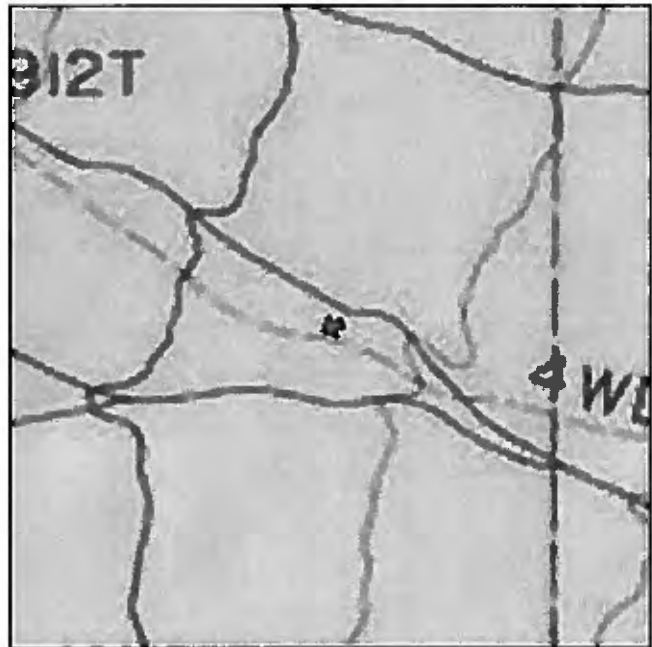
N 40° 17' 01"
W 111° 49' 17"

6056 ft

10:52:46 AM
6/28/2014



Attributes	
File Name	GeoJot+ 2014-06-28 09_53_05.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 17' 01"
Longitude	W 114° 49' 17"
Time Stamp	10:52:46 AM
Date Stamp	6/28/2014
Elevation	6056 ft
Photo Direction	318° NW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	27
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	Inconclusive
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	NW



Attributes	
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SW
File Name	GeoJot+ 2014-06-28 09_59_33.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 17' 09"
Longitude	W 114° 49' 50"
Time Stamp	10:59:14 AM
Date Stamp	6/28/2014
Elevation	6175 ft
Photo Direction	248° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	28
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None

29

Route Reference: Origin

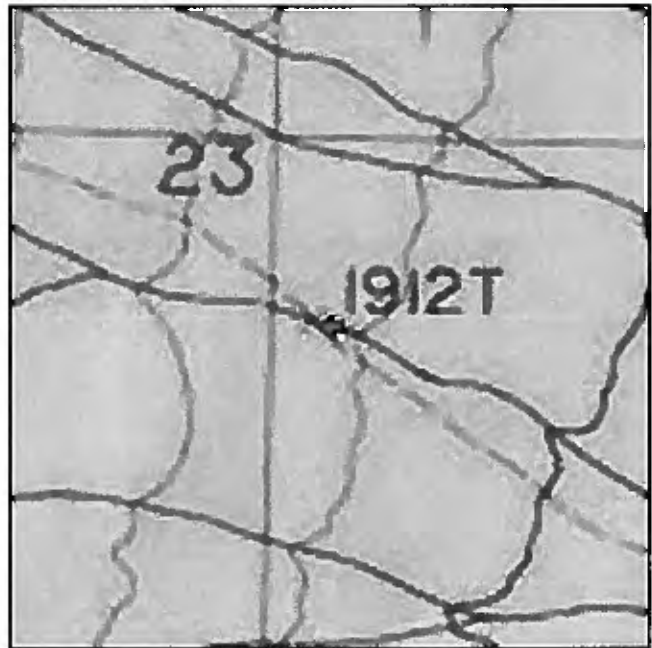
Mtn Lion Springs RA: 29
Origin

261° W

N 40° 17' 17"
W 114° 50' 08"

6230.41

11 04:01 AM
6/28/2014



Attributes	
File Name	GeoJot+ 2014-06-28 10_04_20.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 17' 17"
Longitude	W 114° 50' 08"
Time Stamp	11:04:01 AM
Date Stamp	6/28/2014
Elevation	6230 ft
Photo Direction	261° W
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	29
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W

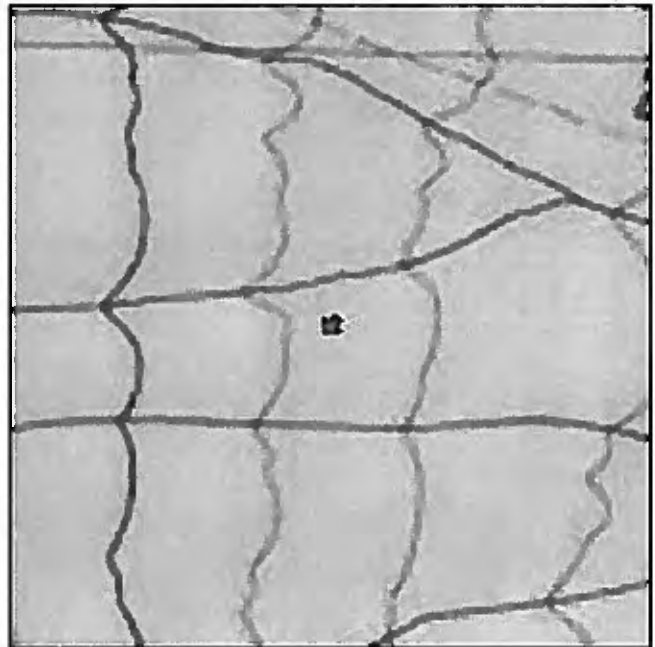
Mtn Lion Springs RA 30
Route Detail

219 SW

N 40° 17' 14"
W 114° 50' 31"

6329 ft

11:09:07 AM
6/28/2014



Attributes	
File Name	GeoJot+ 2014-06-28 10_09_26.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 17' 14"
Longitude	W 114° 50' 31"
Time Stamp	11:09:07 AM
Date Stamp	6/28/2014
Elevation	6329 ft
Photo Direction	219° SW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	30
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SW

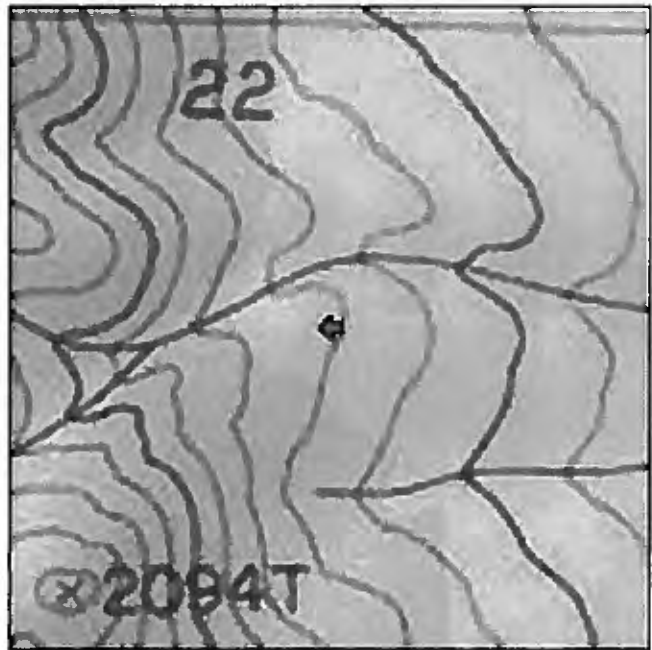
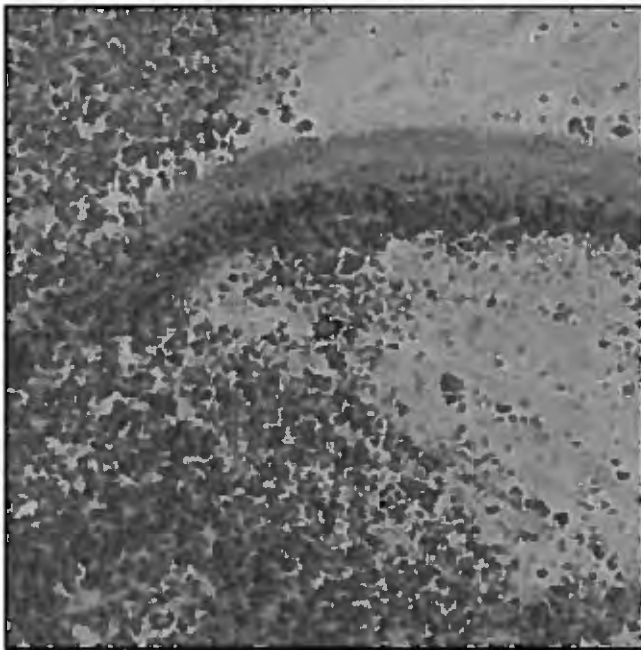
Mtn Lion Springs RA 29
Terminus

264° W

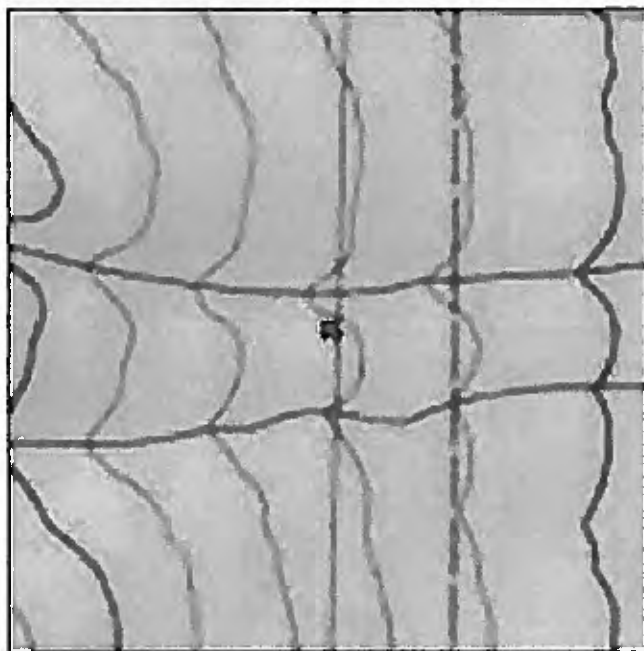
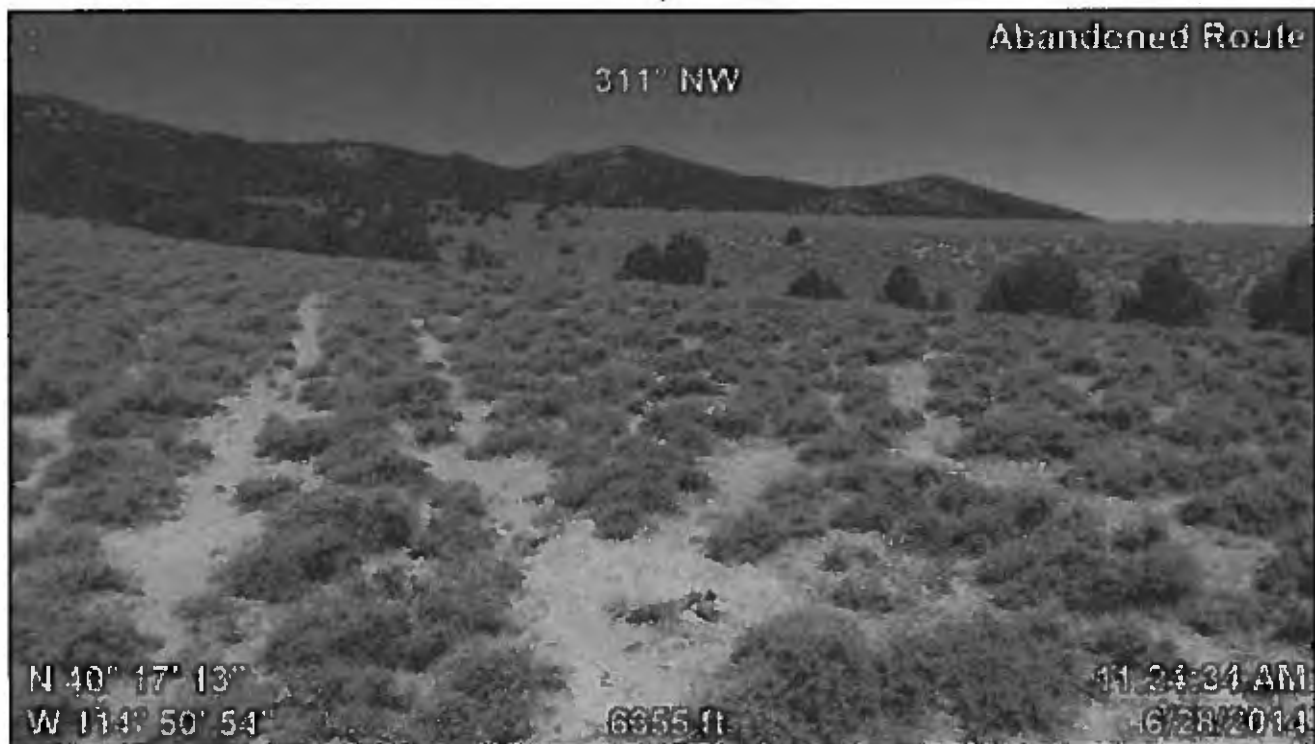
N 40° 17' 14"
W 113° 51' 17"

6575 ft

11:16:56 AM
6/28/2014

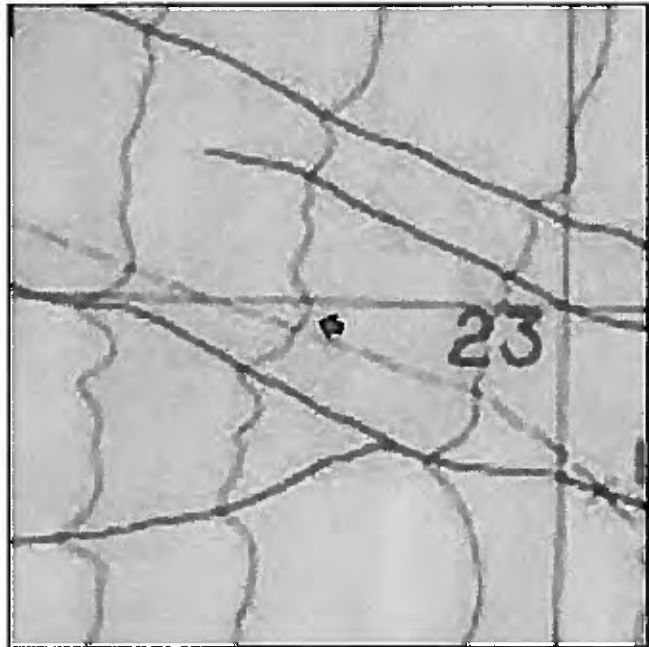


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Subject	
Comment	
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Latitude	N 40° 17' 14"
Longitude	W 114° 51' 17"
Time Stamp	11:16:56 AM
Date Stamp	6/28/2014
Elevation	6575 ft
Photo Direction	264° W
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	29
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



Min Lion Springs RA: 27
Route Detail

289° WNW



Attributes	
File Name	GeoJot+ 2014-06-28 10_30_04.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 17' 23"
Longitude	W 114° 50' 22"
Time Stamp	11:29:45 AM
Date Stamp	6/28/2014
Elevation	6273 ft
Photo Direction	289° WNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	27
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	NW

Min Lion Springs RA 31
Route Detail

283° WNW

N 40° 17' 39"
W 114° 50' 06"

6237 ft

11:34:29 AM
6/28/2014



Attributes	
File Name	GeoJot+ 2014-06-28 10_34_48.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 17' 39"
Longitude	W 114° 50' 06"
Time Stamp	11:34:29 AM
Date Stamp	6/28/2014
Elevation	6237 ft
Photo Direction	283° WNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	31
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	Inconclusive
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	W

Min Lion Springs RA 30
Route Detail

218 SW

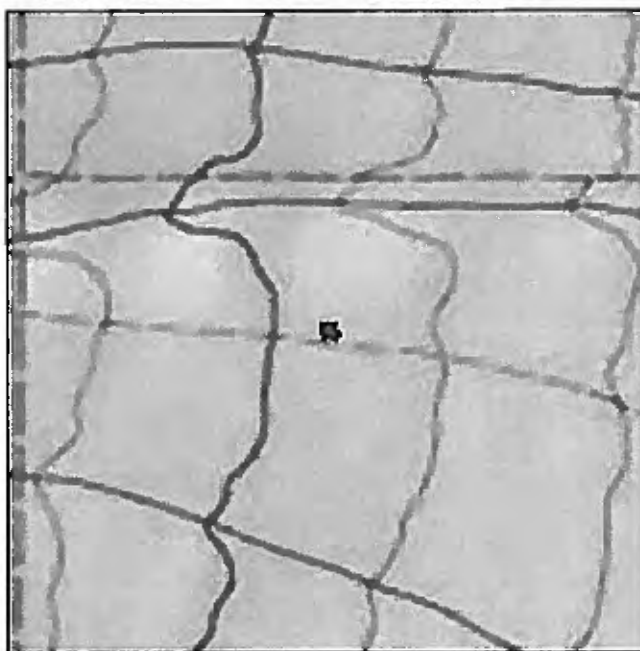
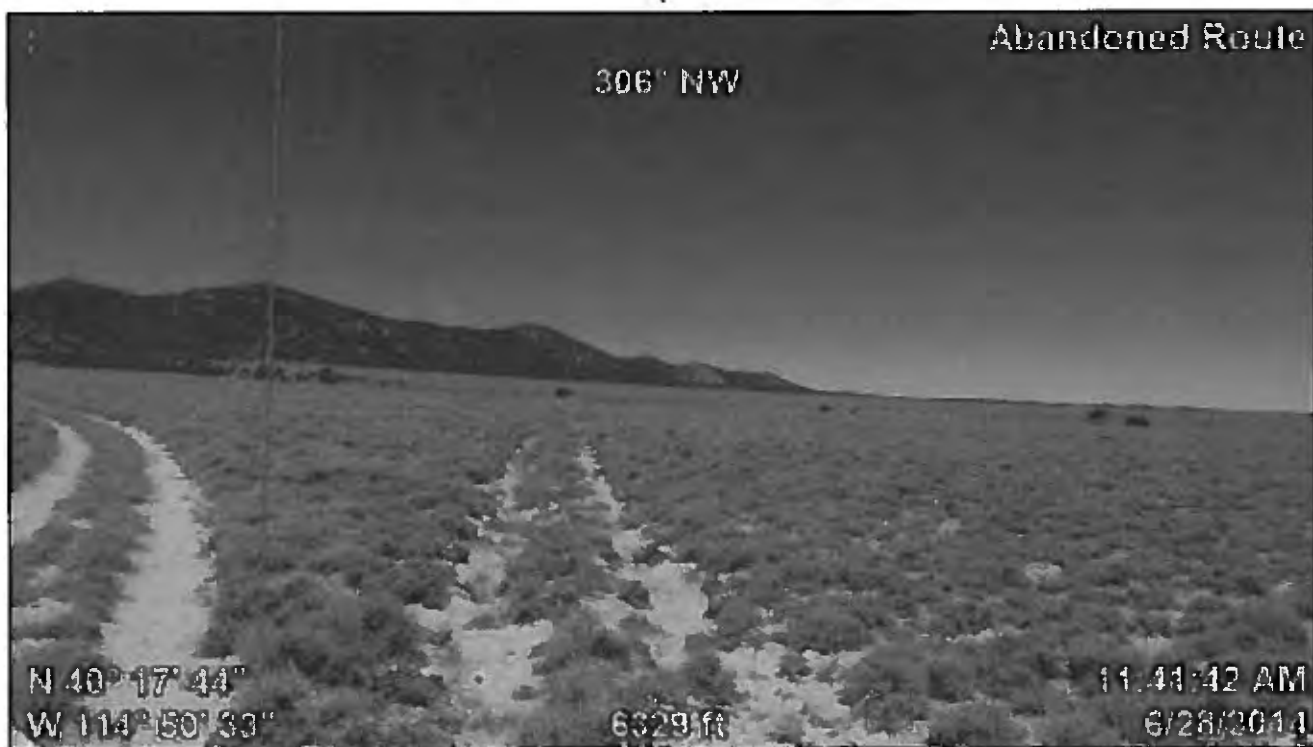
N 40° 17' 39"
W 114° 50' 06"

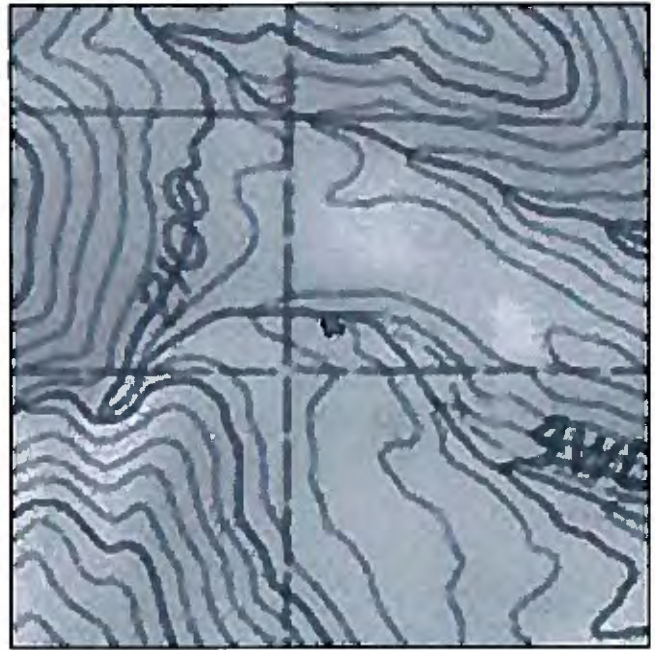
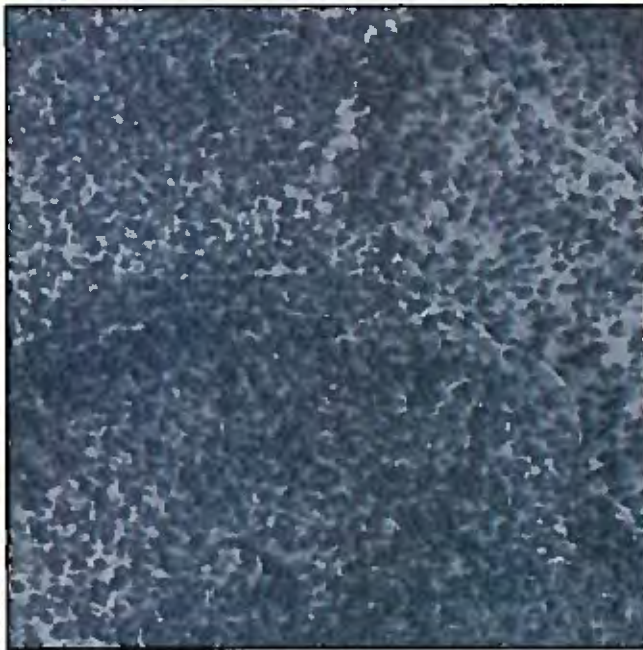
6257 ft

11/30/15 AM
11/6/2014

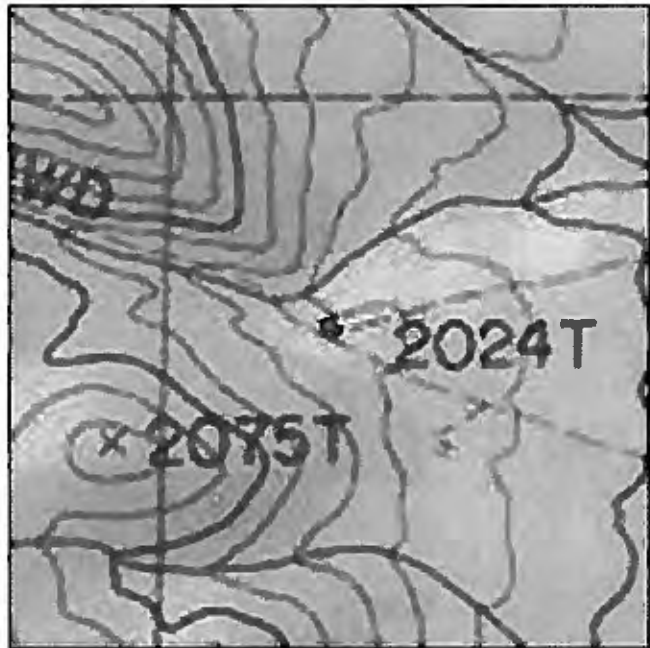
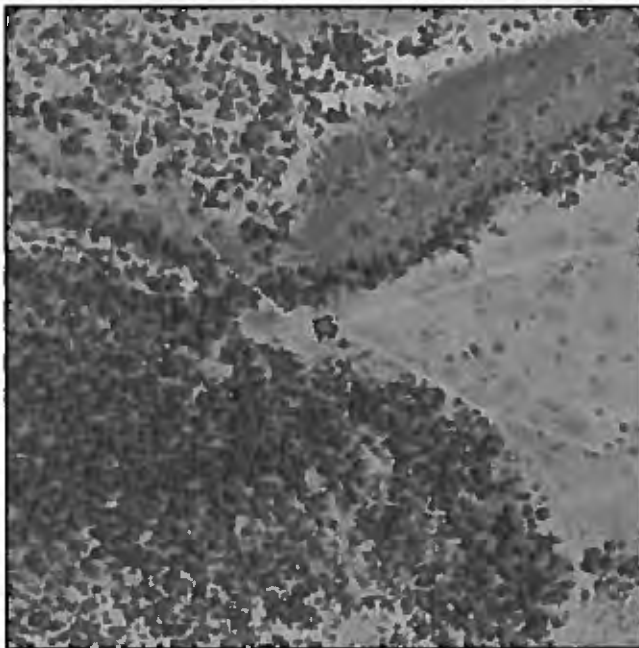


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Comment	
Description	
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Longitude	W 114° 50' 06"
Time Stamp	11:36:15 AM
Date Stamp	6/28/2014
Elevation	6257 ft
Photo Direction	218° SW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	30
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	Revegetated to ne
Photo Direction	SW

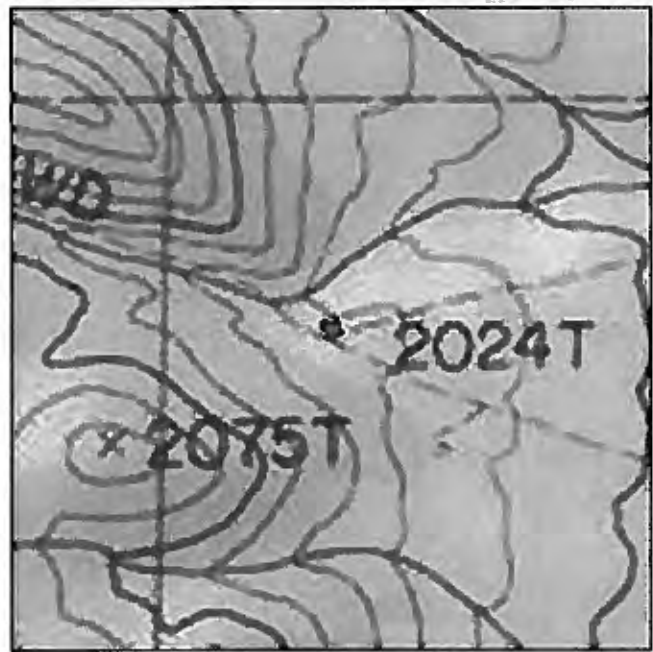
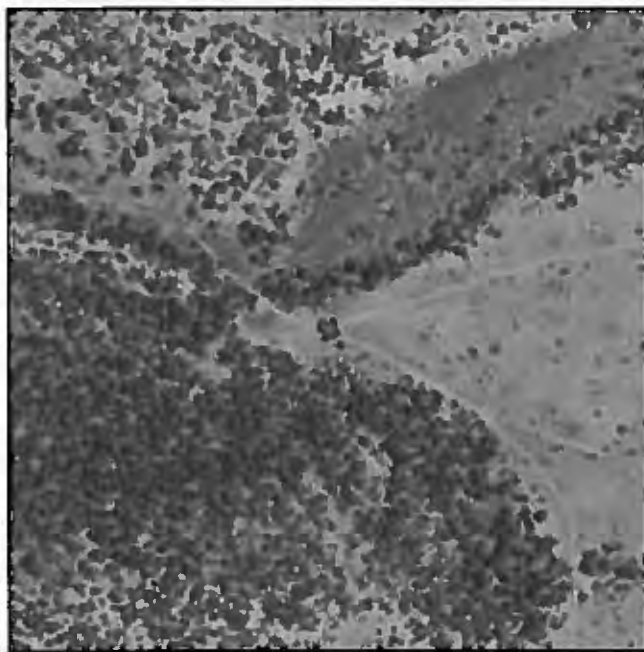
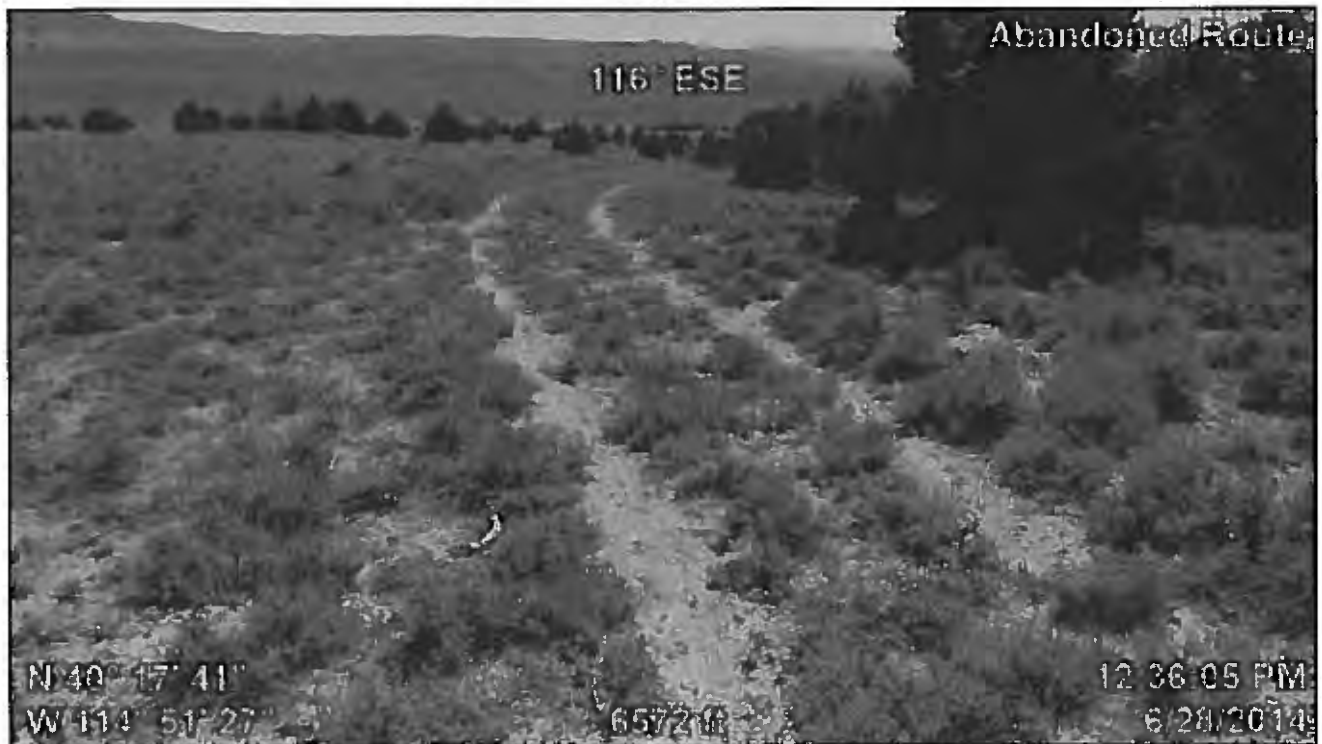




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Subject	
Comment	
Description	
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Latitude	N 40° 17' 51"
Longitude	W 114° 51' 53"
Time Stamp	12:01:08 PM
Date Stamp	6/28/2014
Elevation	6654 ft
Photo Direction	294° WNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	31
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



Attributes	
File Name	GeoJot+ 2014-06-28 11_33_13.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 17' 41"
Longitude	W 114° 51' 27"
Time Stamp	12:32:54 PM
Date Stamp	6/28/2014
Elevation	6503 ft
Photo Direction	298° WNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	31
Route Reference	Route Detail
II Route Context-Historic	Access to fossil site and canyon
II Route Context-Contemporary	Motorized Hunting Tracks
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	By Hand Tools
III B Evidence of Maintenance	Vegetation Cutting
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Route forks at good campsite and turnaround. Closure recommended
Detail	Closure point
Photo Direction	W



31

Route Reference: Origin

Min Lion Springs RA 31
Origin

313' NW

N 40° 17' 26"
W 114° 49' 15"

6119 ft

1:47:10 PM
6/28/2014



Attributes	
File Name	GeoJot+ 2014-06-28 12_47_29.jpg
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Subject	
Comment	
Description	
Tags	
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Longitude	W 114° 49' 15"
Time Stamp	1:47:10 PM
Date Stamp	6/28/2014
Elevation	6119 ft
Photo Direction	313° NW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	31
Route Reference	Origin
II Route Context-Historic	Wood Cutting
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	Low
Recommendations/Comments	Leads to fossil site
Detail	
Photo Direction	NW

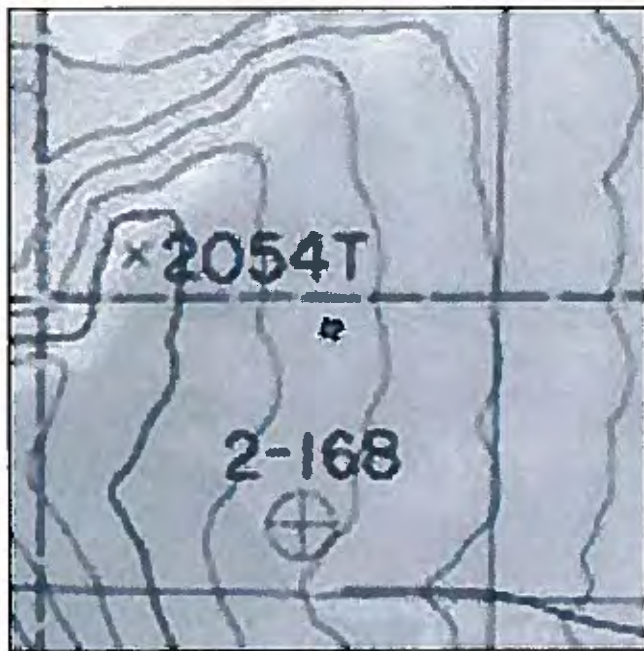
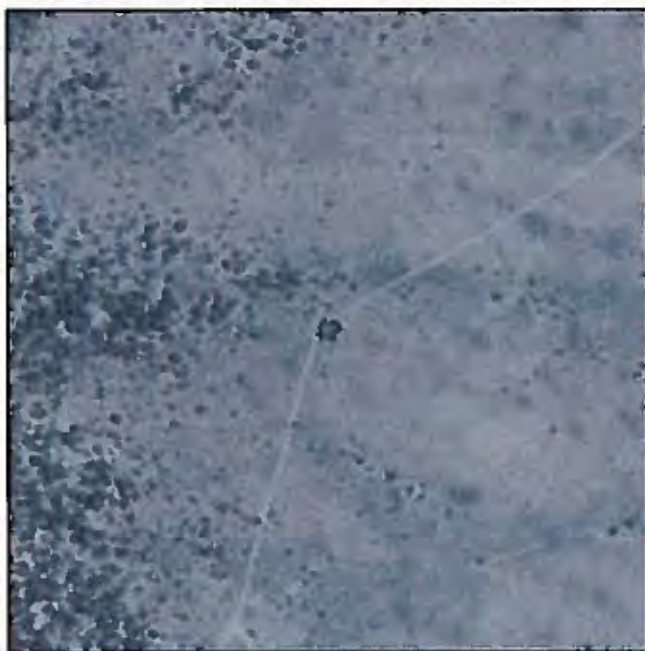
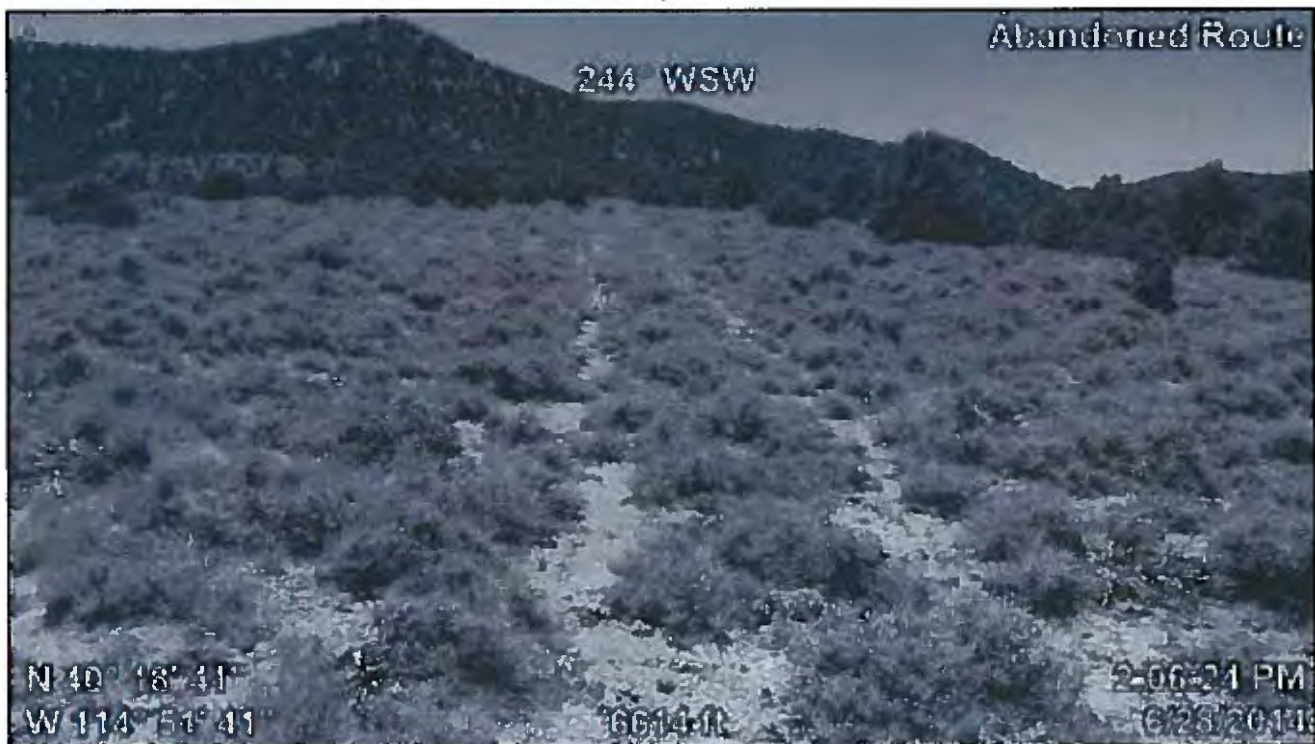
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Route Reference: Origin

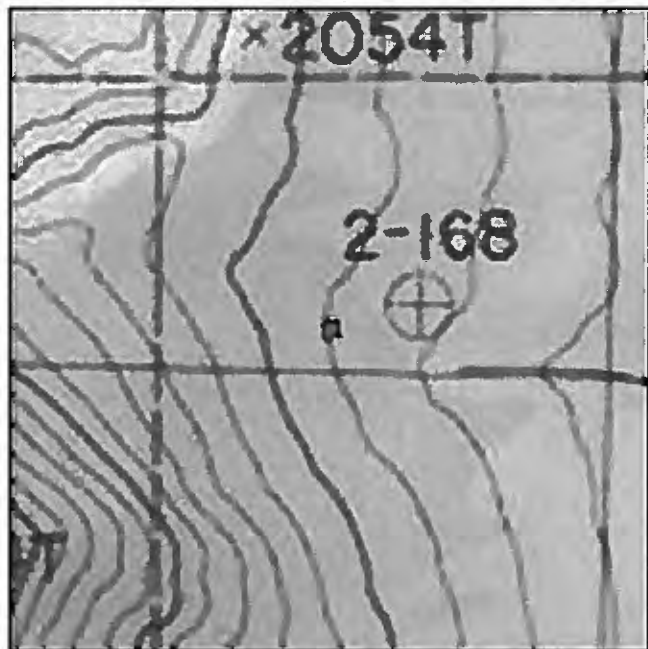
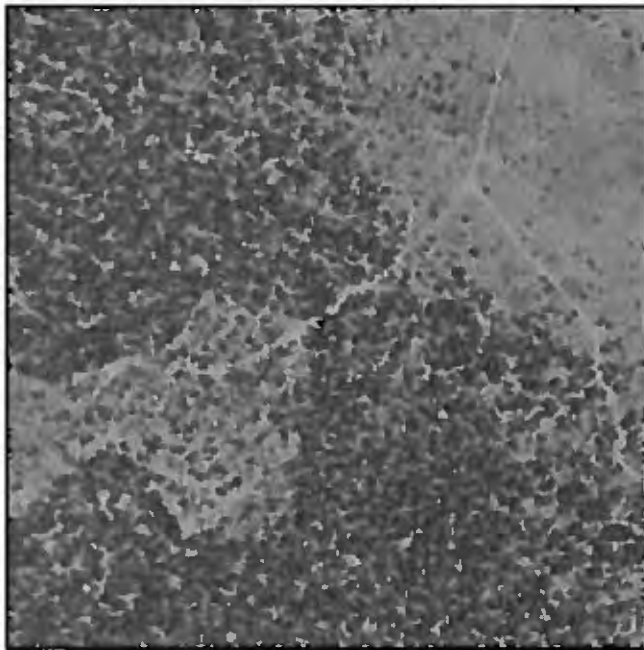


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File Name	GeoJot+ 2014-06-28 12_52_05.jpg
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Subject	
Comment	
Description	
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Latitude	N 40° 18' 11"
Longitude	W 114° 49' 34"
Time Stamp	1:51:46 PM
Date Stamp	6/28/2014
Elevation	6171 ft
Photo Direction	207° SSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	30
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SW



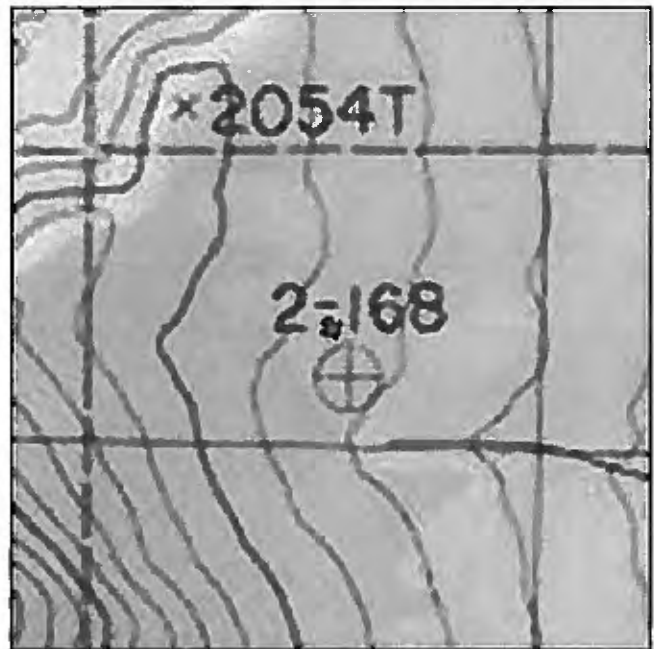
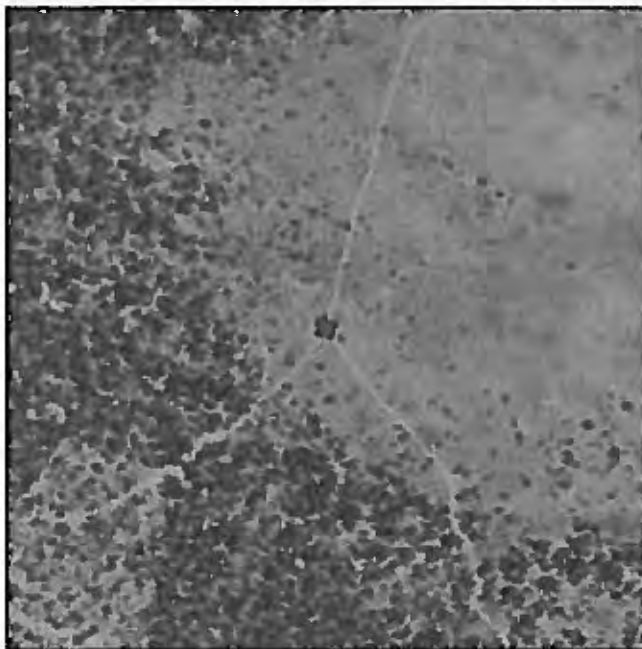
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Comment	
Description	
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Latitude	N 40° 19' 03"
Longitude	W 114° 50' 49"
Time Stamp	2:00:06 PM
Date Stamp	6/28/2014
Elevation	6391 ft
Photo Direction	223° SW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	32
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Access to Wood Cutting/campsite
III Evidence of Const/Improve	Inconclusive
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Medium
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	W



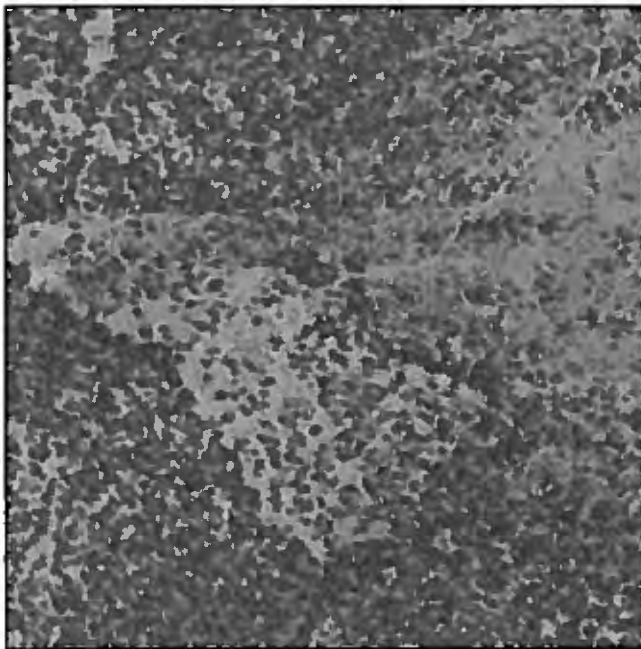


Attributes	
File Name	GeoJot+ 2014-06-28 13_10_22.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 18' 32"
Longitude	W 114° 51' 47"
Time Stamp	2:10:03 PM
Date Stamp	6/28/2014
Elevation	6588 ft
Photo Direction	34° NE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	32
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Wood Cutting/Campsite
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Low
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	NE

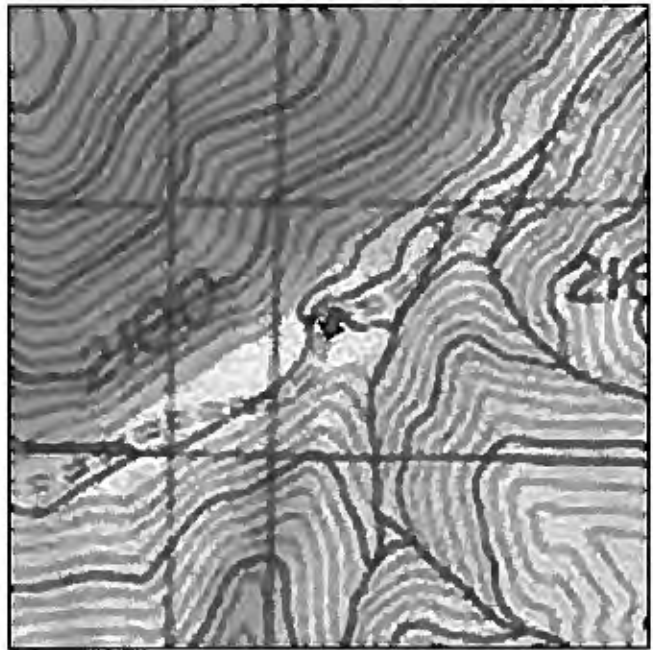
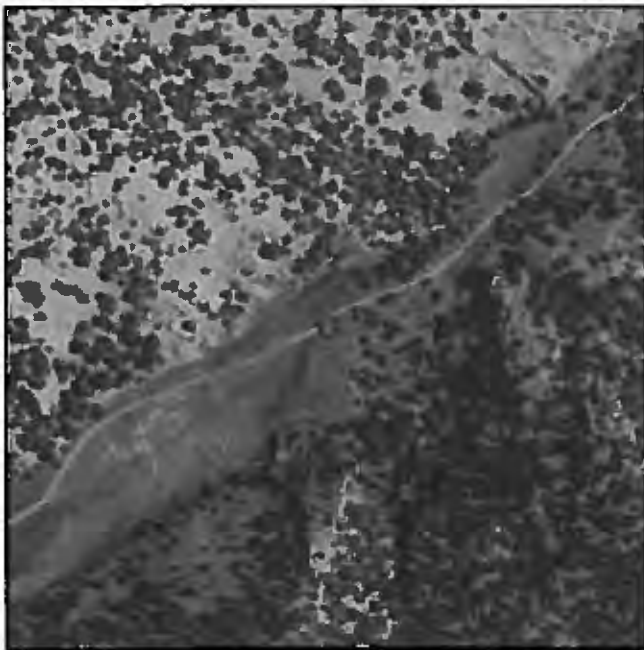
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Route Reference: Origin

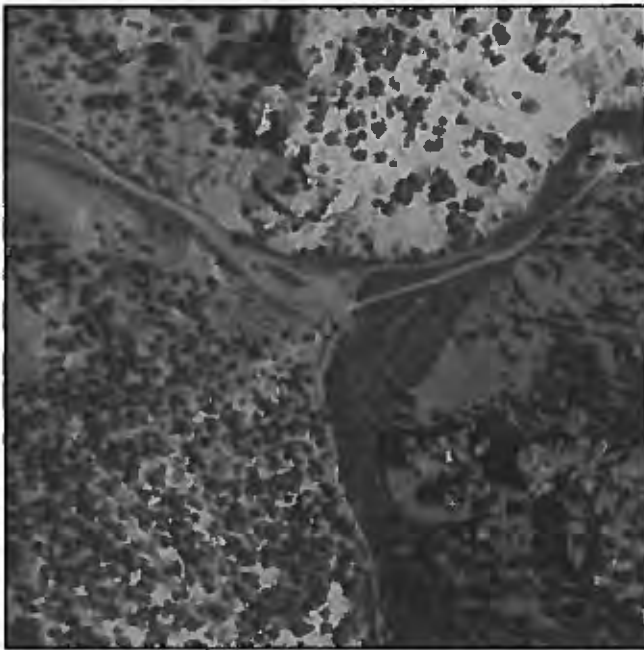


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Subject	
Comment	
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Longitude	W 114° 51' 43"
Time Stamp	2:12:22 PM
Date Stamp	6/28/2014
Elevation	6598 ft
Photo Direction	150° SSE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	33
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Low
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	SE

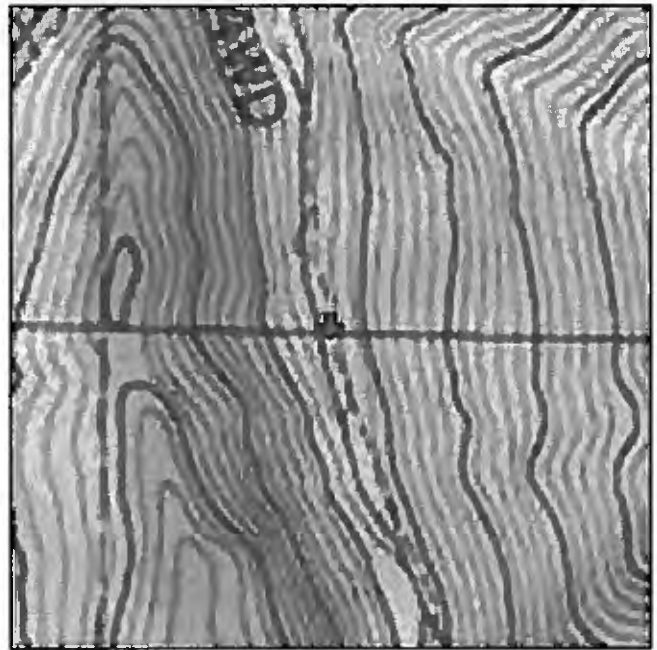
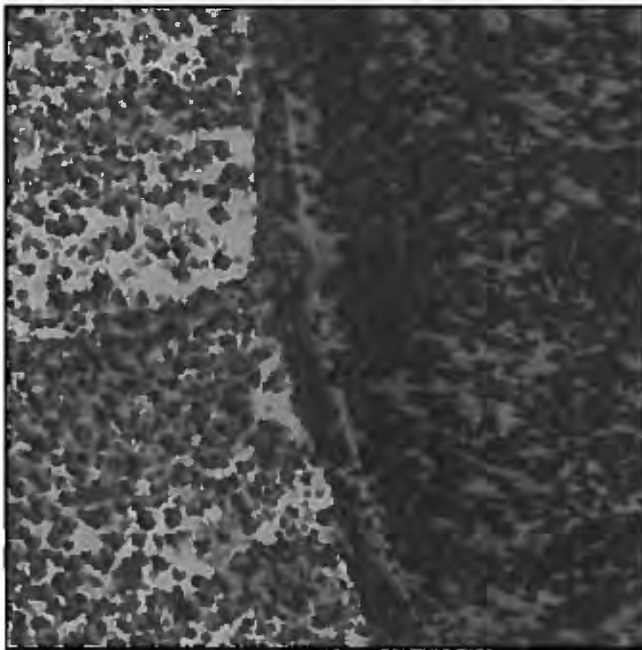


Attributes	
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Subject	
Comment	
Description	
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Longitude	W 114° 51' 45"
Time Stamp	2:18:03 PM
Date Stamp	6/28/2014
Elevation	6660 ft
Photo Direction	115° ESE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	33
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Wood Cutting?
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Low
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	S

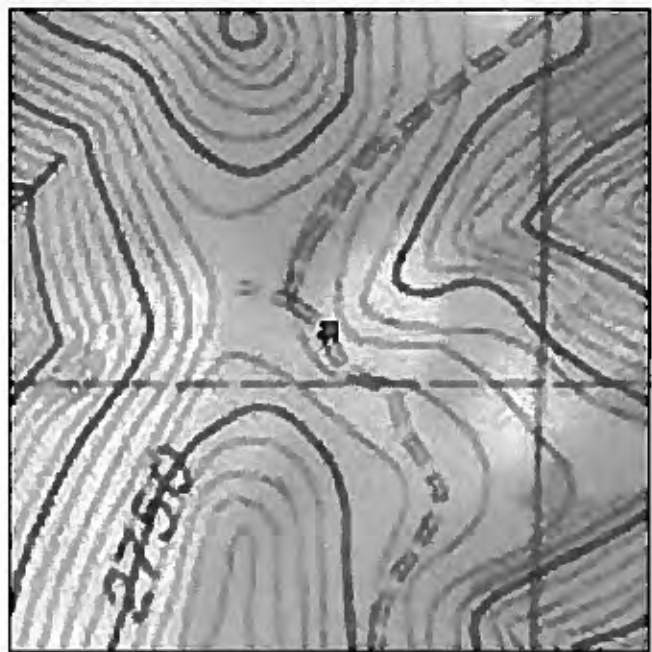
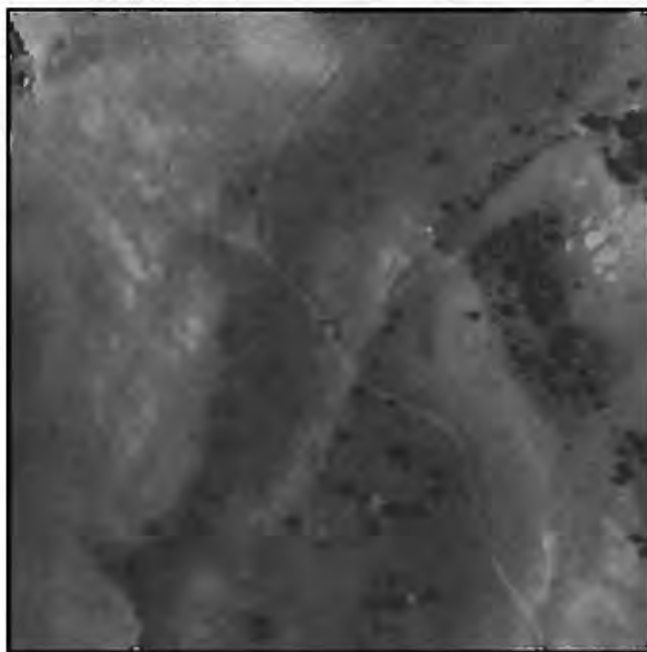
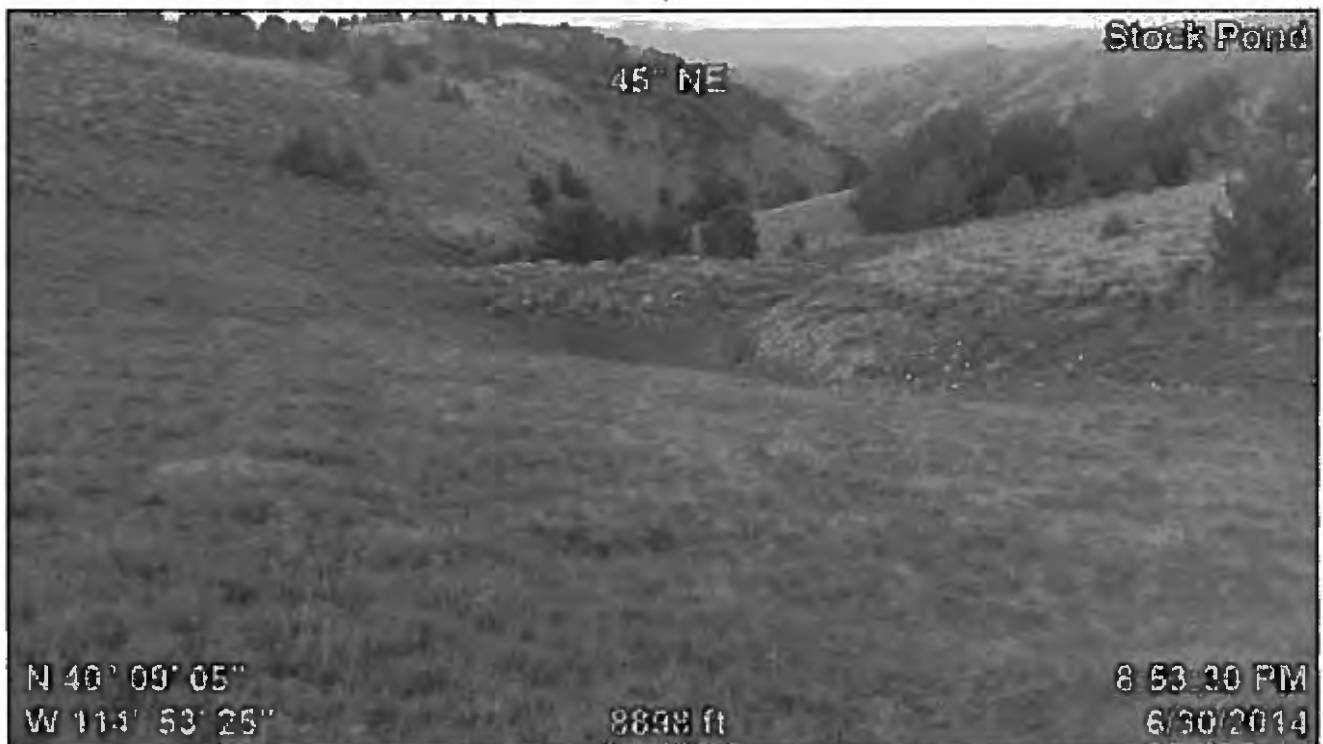


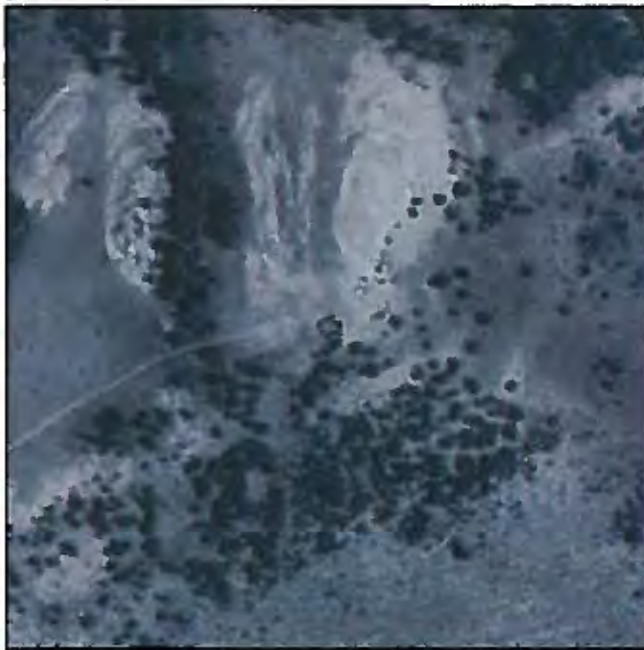


Attributes	
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Subject	
Comment	
Description	
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Longitude	W 114° 54' 03"
Time Stamp	3:00:04 PM
Date Stamp	6/28/2014
Elevation	6811 ft
Photo Direction	177° S
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	34
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Access to Spring
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	Medium
Recommendations/Comments	Rehabilitation/Naturalize the Route. Easily closed
Detail	Revegetated
Photo Direction	S

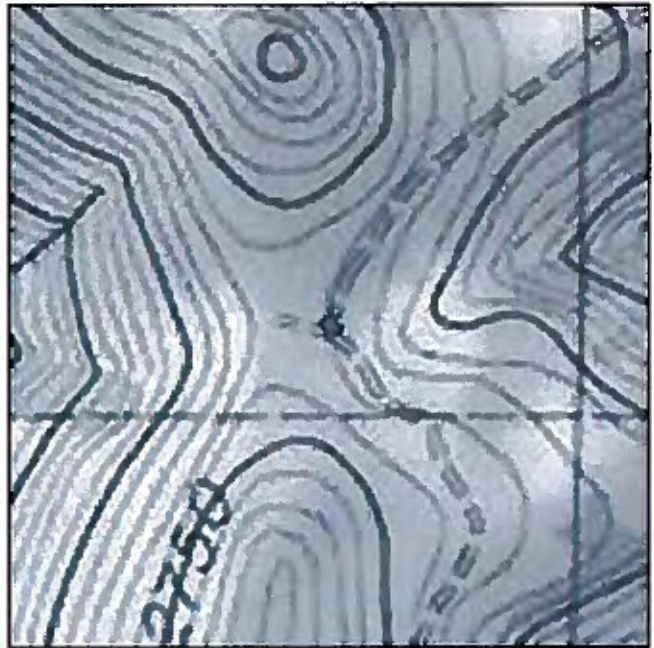


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Subject	
Comment	
Description	
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Longitude	W 114° 53' 60"
Time Stamp	3:07:58 PM
Date Stamp	6/28/2014
Elevation	6860 ft
Photo Direction	180° S
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	34
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Access to Spring
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	Medium
Recommendations/Comments	Rehabilitation/Naturalize the Route/Mainly used by stock
Detail	Abandoned Route
Photo Direction	S

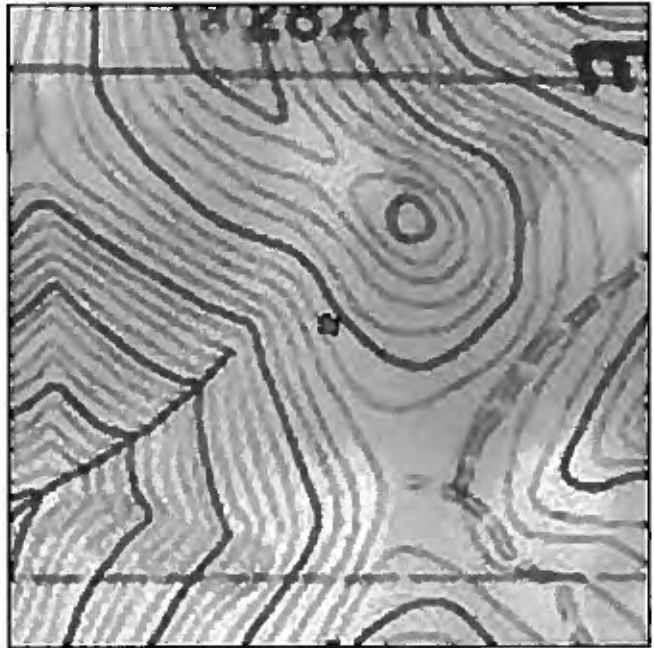
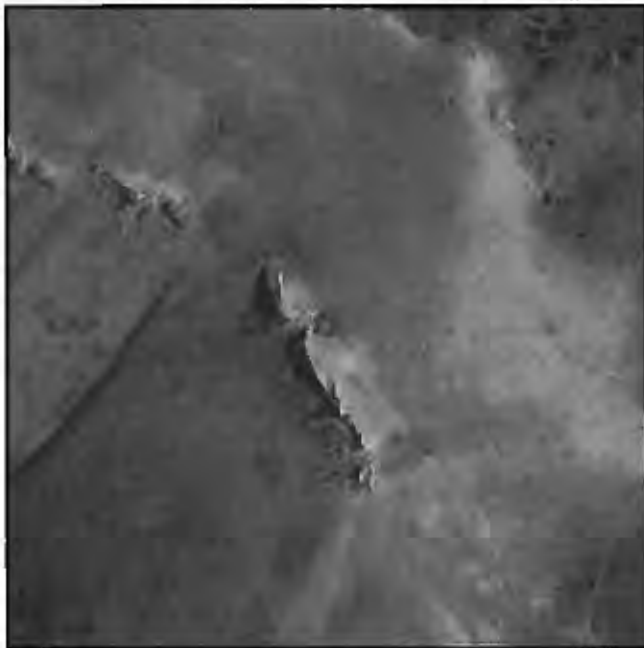
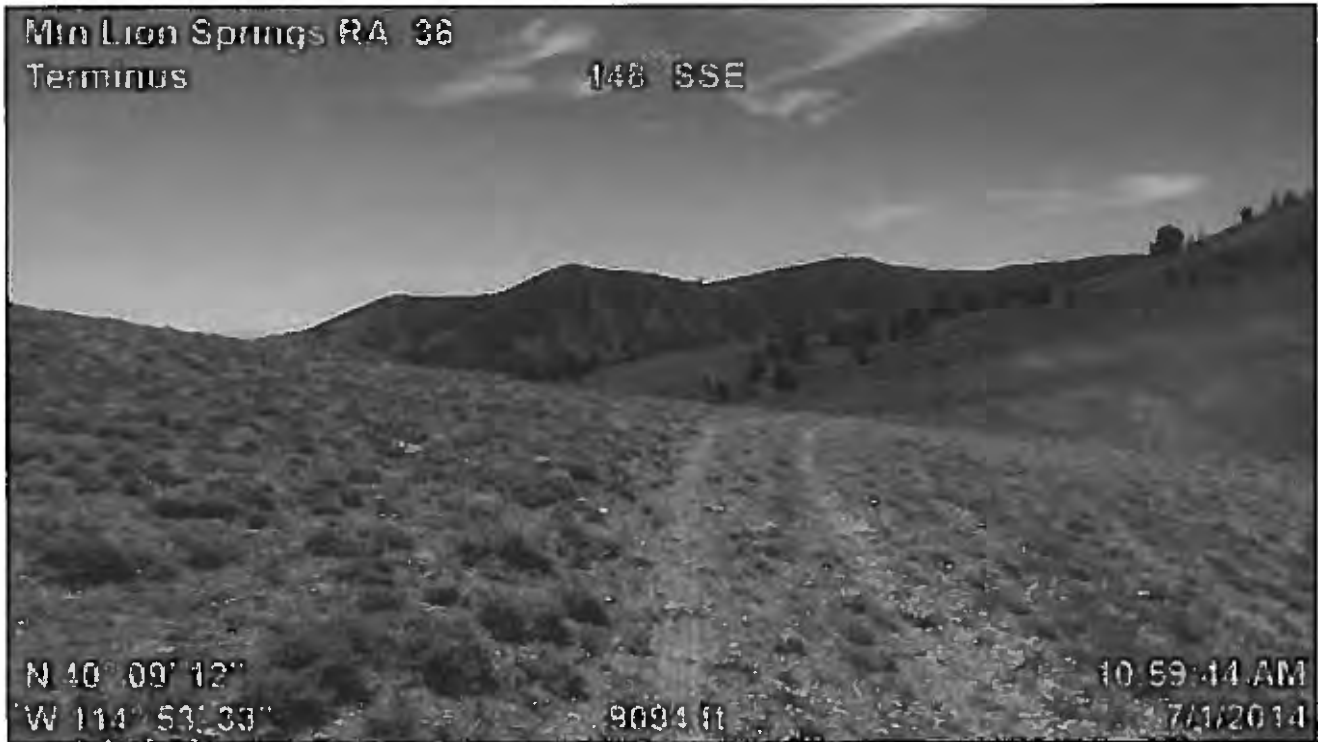




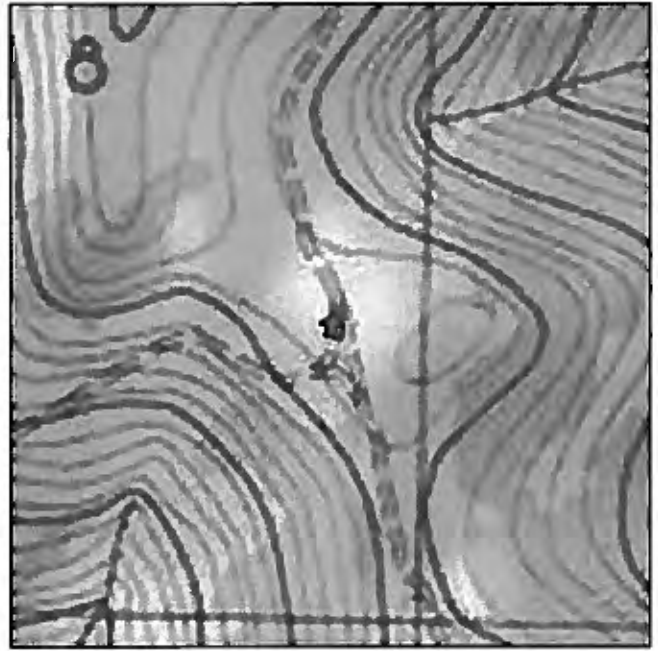
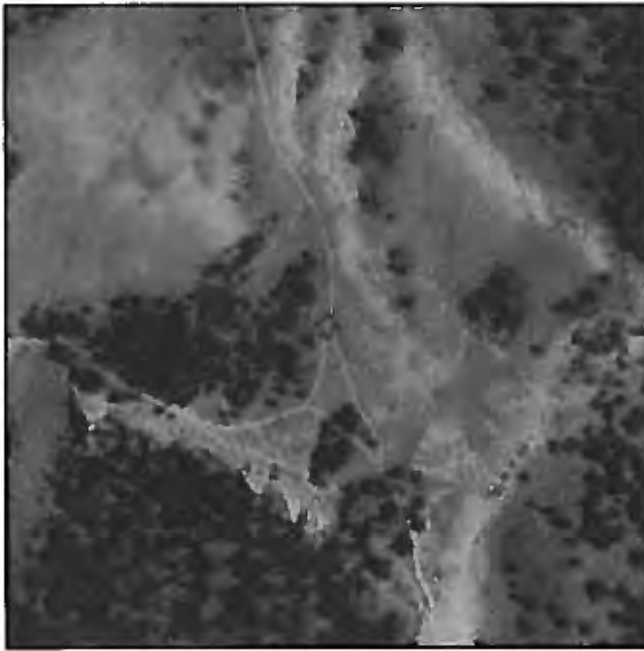
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Subject	
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Latitude	N 40° 09' 19"
Longitude	W 114° 53' 08"
Time Stamp	10:48:52 AM
Date Stamp	7/1/2014
Elevation	8780 ft
Photo Direction	281° W
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	35
Route Reference	Terminus
II Route Context-Historic	Access to Private Property
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	Inconclusive
III A1 Construction	Bladed?
III A2 Improvements	By Hand Tools
III B Evidence of Maintenance	By Hand Tools
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	W



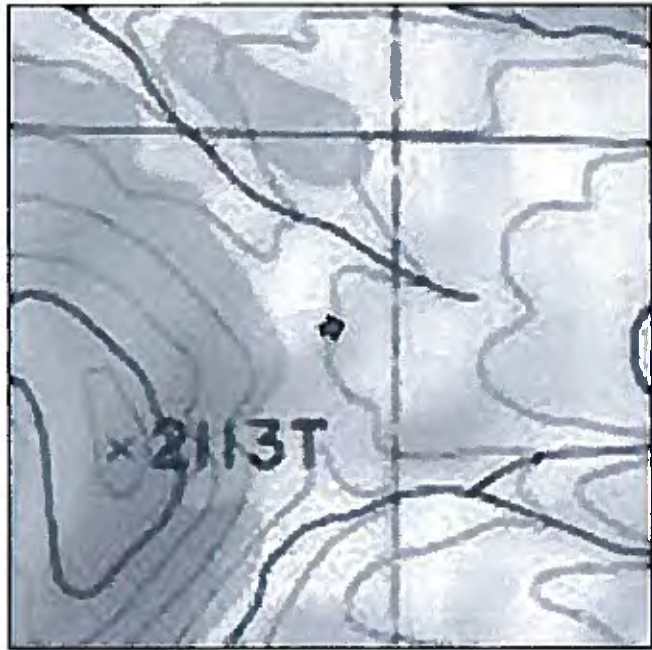
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Title	
Subject	
Comment	
Description	
Tags	
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Longitude	W 114° 53' 27"
Time Stamp	10:56:23 AM
Date Stamp	7/1/2014
Elevation	9072 ft
Photo Direction	298° WNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	36
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W



Attributes	
File Name	GeoJot+ 2014-07-01 10_00_05.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 09' 12"
Longitude	W 114° 53' 33"
Time Stamp	10:59:44 AM
Date Stamp	7/1/2014
Elevation	9094 ft
Photo Direction	148° SSE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	36
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	E



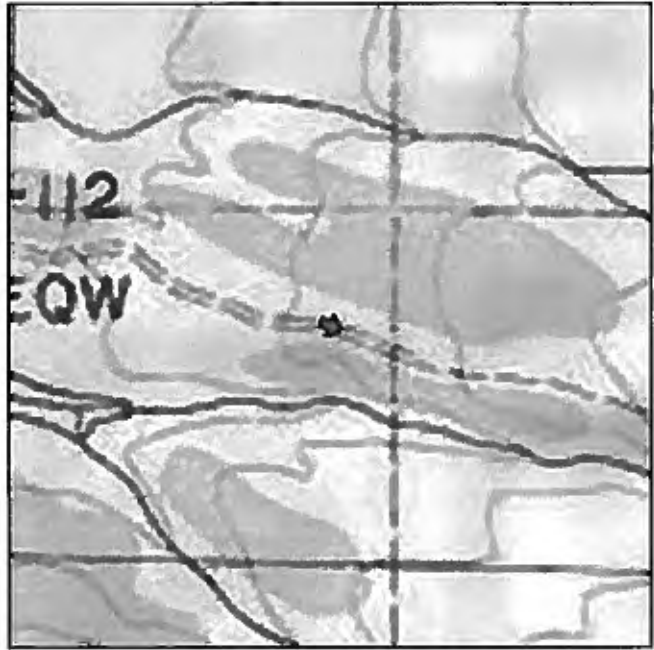
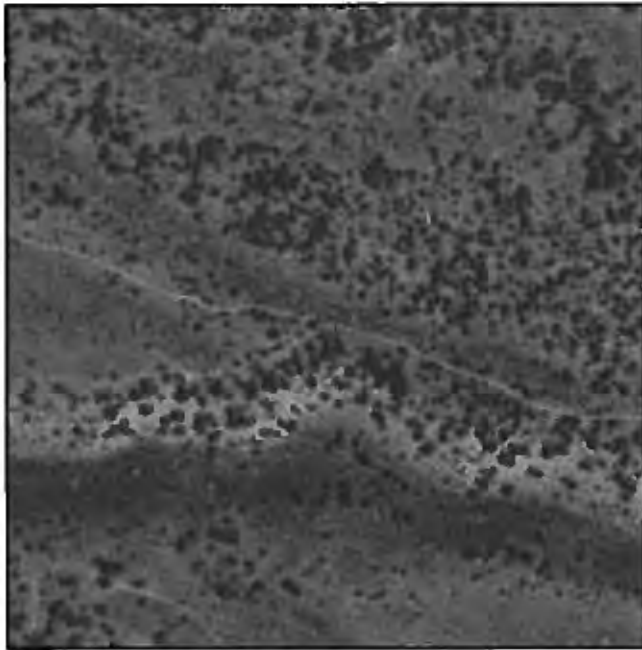
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Subject	
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Latitude	N 40° 08' 27"
Longitude	W 114° 53' 21"
Time Stamp	11:20:31 AM
Date Stamp	7/1/2014
Elevation	8904 ft
Photo Direction	11° N
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	35
Route Reference	Origin
II Route Context-Historic	Access to stock pond/private property
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	Yes
III A1 Construction	Bladed?
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	Low
Recommendations/Comments	Cstem this
Detail	
Photo Direction	N



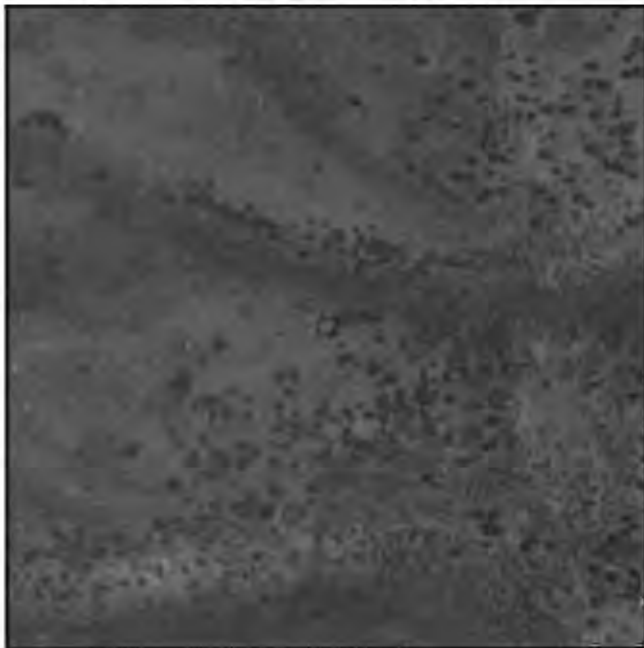
Attributes	
File Name	GeoJot+ 2014-07-01 11_33_10.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 08' 45"
Longitude	W 114° 56' 31"
Time Stamp	12:32:49 PM
Date Stamp	7/1/2014
Elevation	6762 ft
Photo Direction	75° ENE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	37
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Did not follow route to the terminus/rehab
Detail	
Photo Direction	E

Mountain Lion Springs RA 38
Route Detail/Origin

111° ESE



Attributes	
File Name	Geojot+ 2014-07-01 11_54_33.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 09' 01"
Longitude	W 114° 56' 31"
Time Stamp	12:54:12 PM
Date Stamp	7/1/2014
Elevation	6759 ft
Photo Direction	111° ESE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	38
Route Reference	Route Detail/Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	Enters Proposal
Photo Direction	E



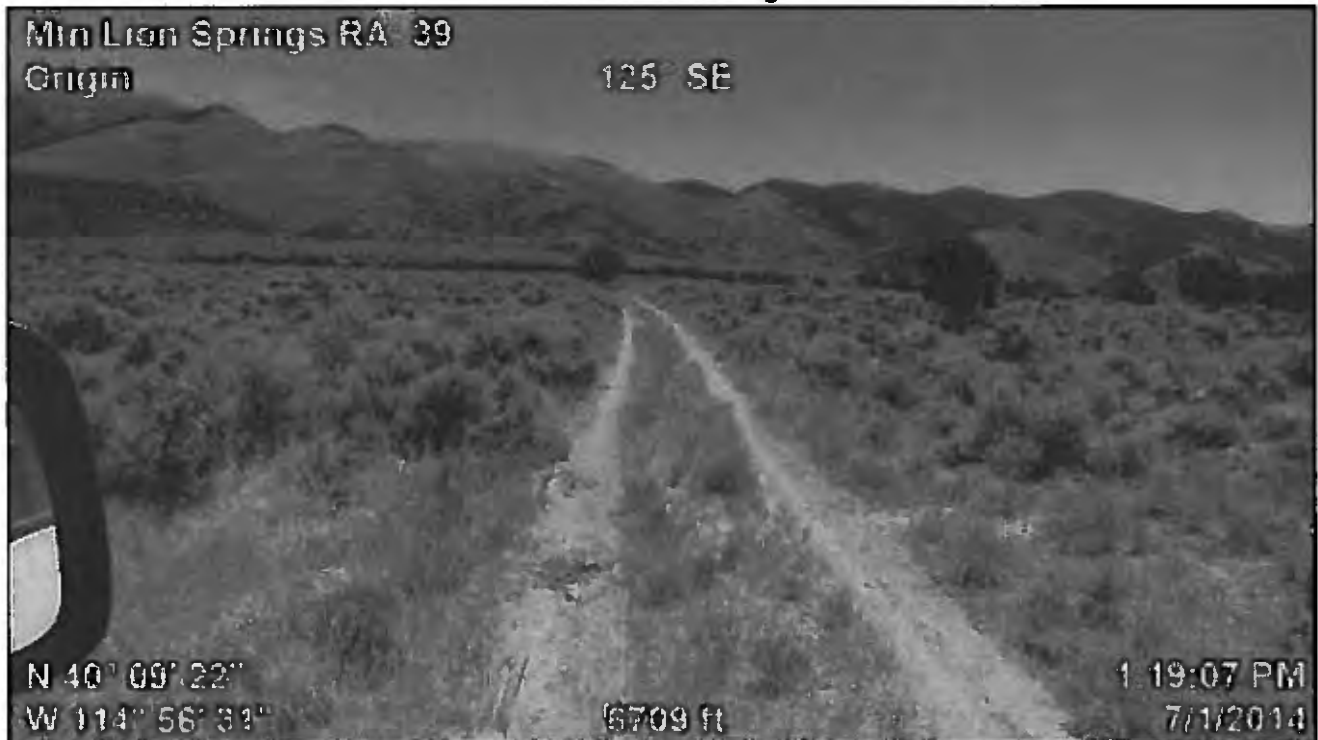
Attributes	
File Name	GeoJot+ 2014-07-01 12_06_02.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 09' 02"
Longitude	W 114° 55' 01"
Time Stamp	1:05:41 PM
Date Stamp	7/1/2014
Elevation	7425 ft
Photo Direction	242° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	38
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	NW

39

Route Reference: Origin

Min Lion Springs RA 39
Origin

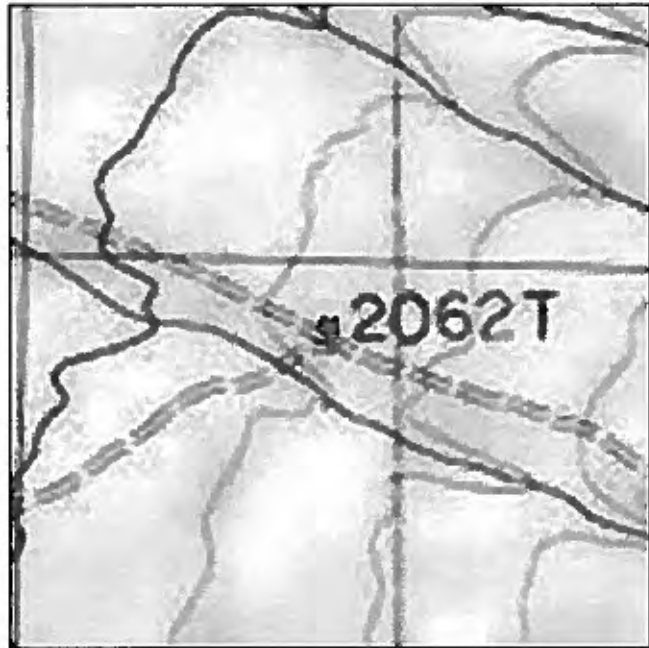
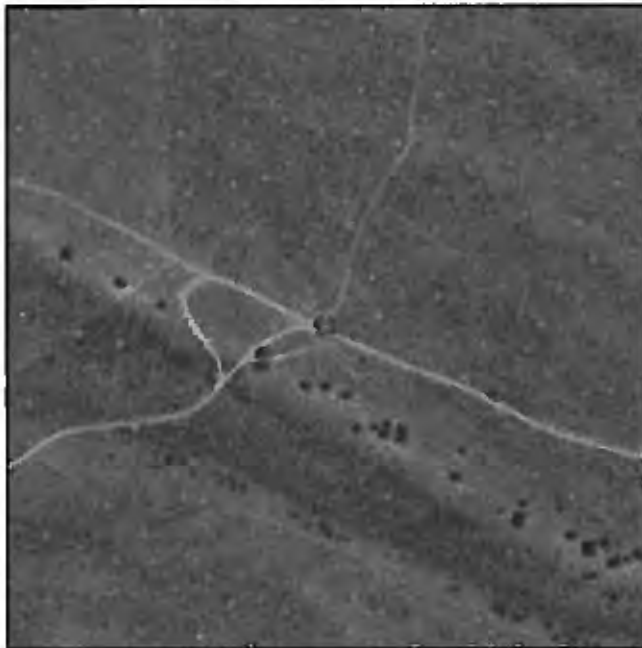
125 SE



N 40° 09' 22"
W 114° 56' 31"

6709 ft

1 19:07 PM
7/1/2014



Attributes	
File Name	GeoJot+ 2014-07-01 12_19_27.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 09' 22"
Longitude	W 114° 56' 31"
Time Stamp	1:19:07 PM
Date Stamp	7/1/2014
Elevation	6709 ft
Photo Direction	125° SE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	39
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	Yes
III A1 Construction	Bladed
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Low
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	E

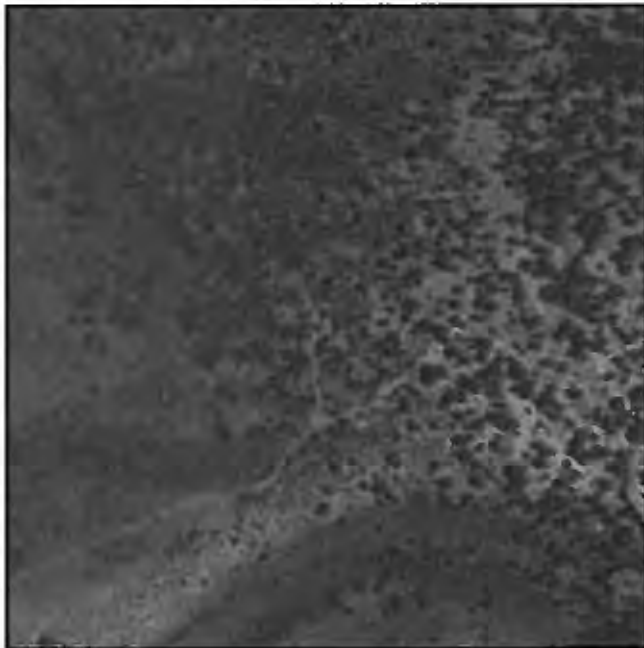
Min Lion Springs RA 39
Terminus

185 S

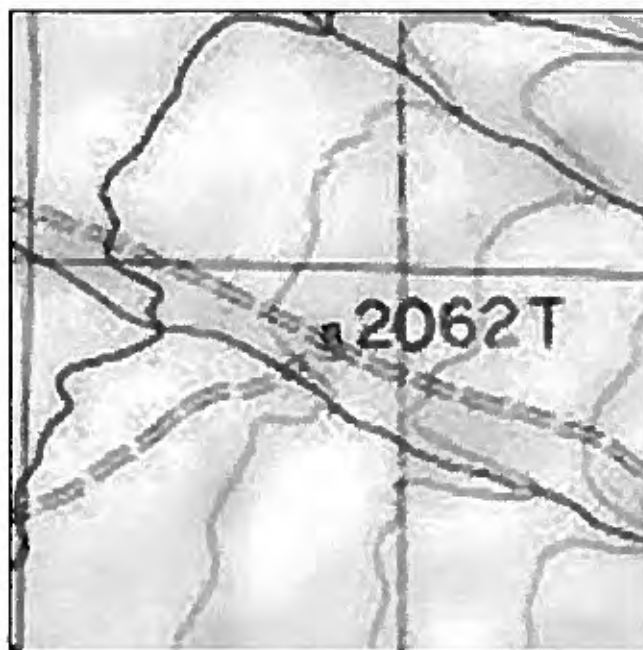
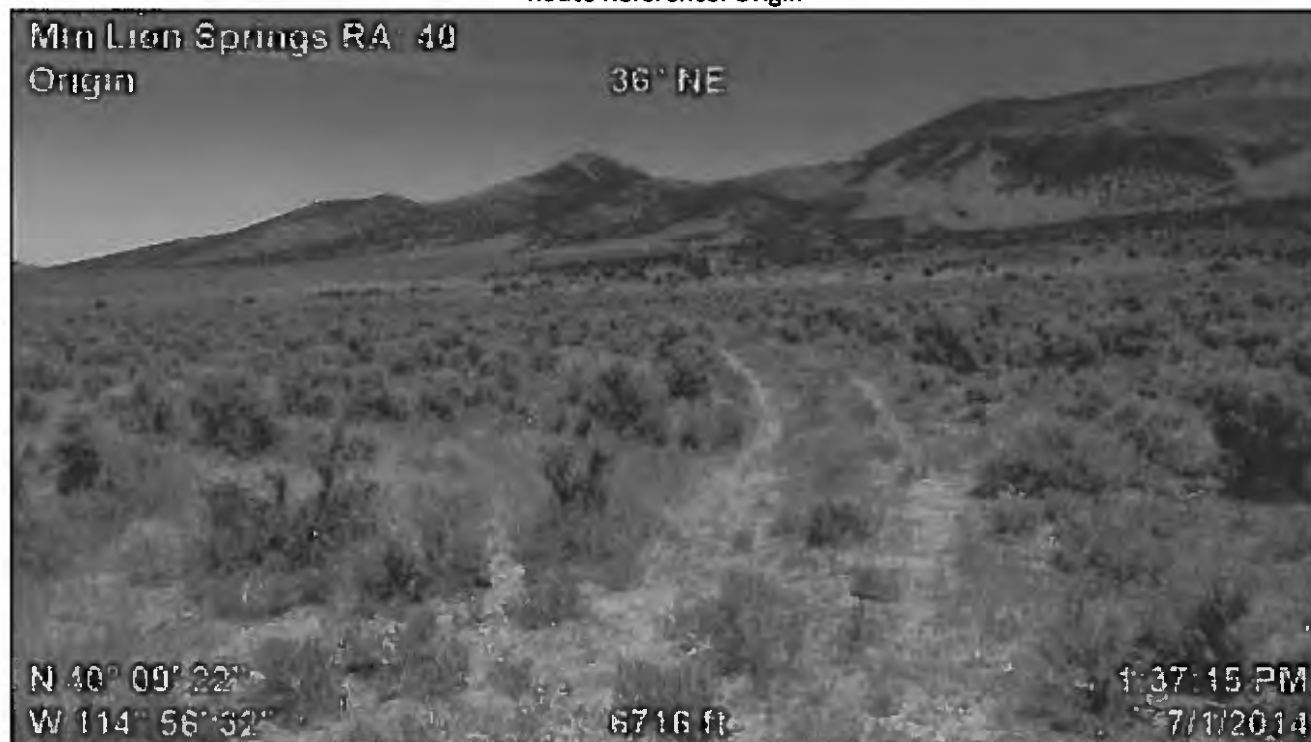
N 40° 09' 19"
W 114° 55' 04"

7208 ft

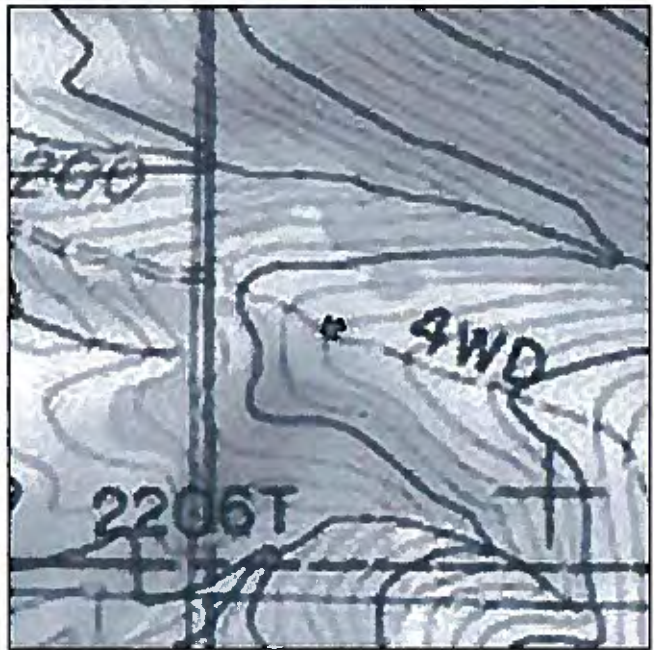
1:27:15 PM
7/1/2014



Attributes	
File Name	GeoJot+ 2014-07-01 12_27_35.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 09' 19"
Longitude	W 114° 55' 04"
Time Stamp	1:27:15 PM
Date Stamp	7/1/2014
Elevation	7208 ft
Photo Direction	185° S
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	39
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	Bladed
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	S



Attributes	
File Name	GeoJot+ 2014-07-01 12_37_36.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 09' 22"
Longitude	W 114° 56' 32"
Time Stamp	1:37:15 PM
Date Stamp	7/1/2014
Elevation	6716 ft
Photo Direction	36° NE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	40
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	NE



Attributes	
File Name	GeoJot+ 2014-07-01 12_54_15.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 10' 06"
Longitude	W 114° 55' 14"
Time Stamp	1:53:54 PM
Date Stamp	7/1/2014
Elevation	7405 ft
Photo Direction	250° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	40
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W

41

Route Reference: Terminus



Attributes	
File Name	GeoJot+ 2014-07-01 12_58_56.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 10' 03"
Longitude	W 114° 55' 02"
Time Stamp	1:58:35 PM
Date Stamp	7/1/2014
Elevation	7513 ft
Photo Direction	117° ESE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	41
Route Reference	Terminus
II Route Context-Historic	Mining Exploration Activity
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	Bladed
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SE

Sheep Camp

Stock Pond

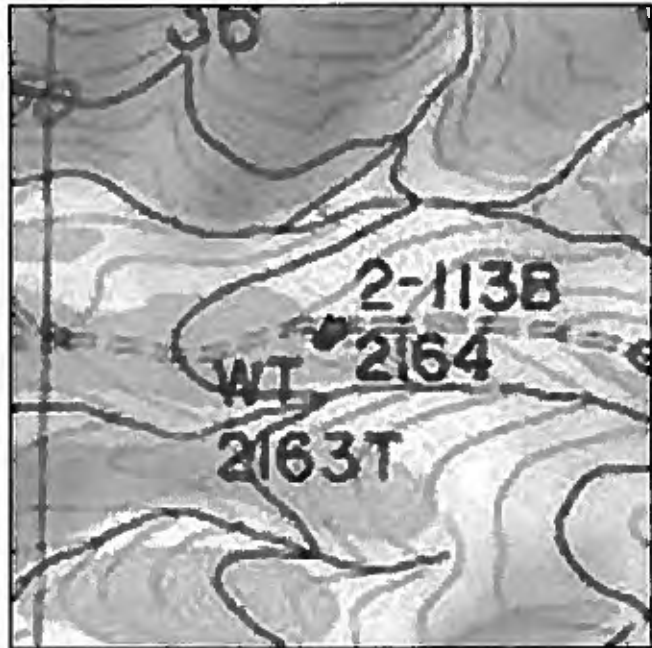
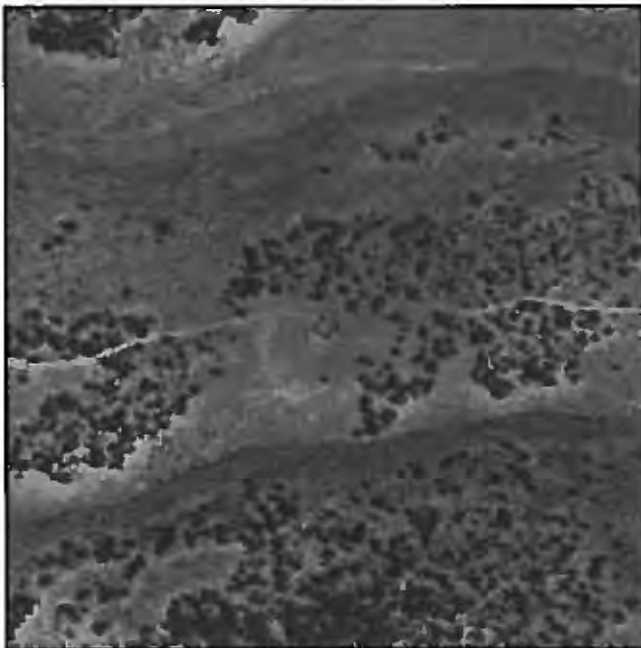
255 WSW



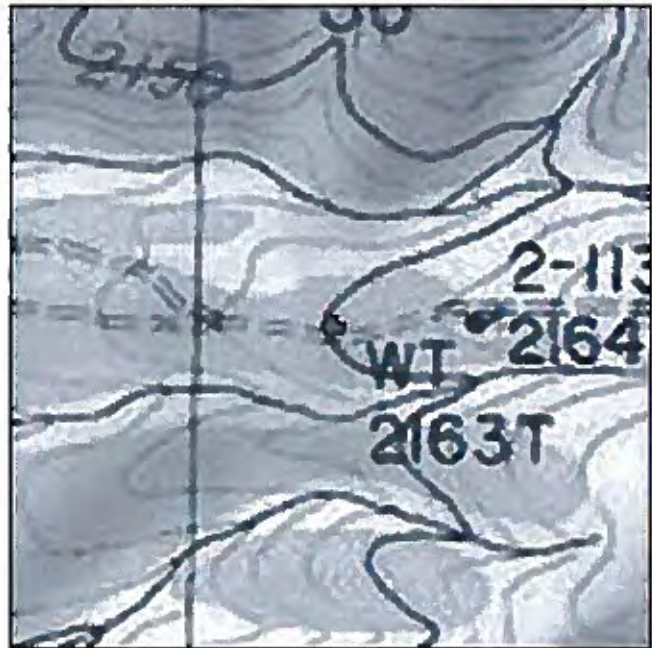
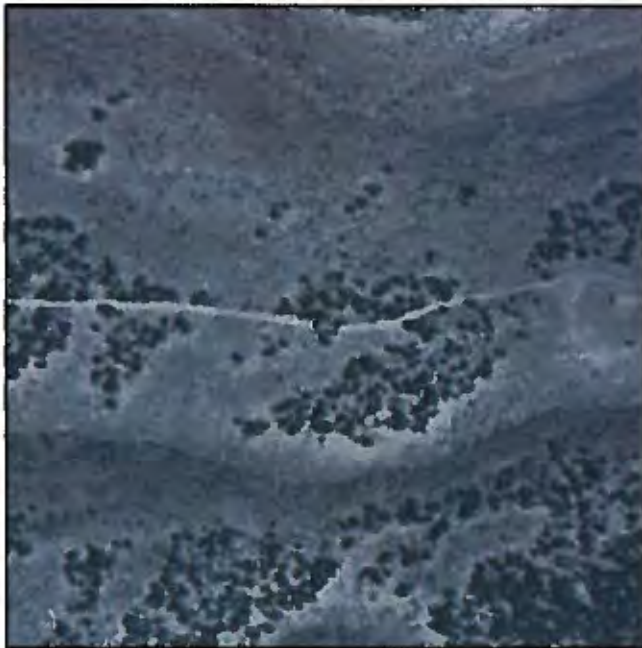
N 40° 10' 12"
W 114° 55' 49"

7028 ft

2-10-01 PM
7/1/2014



[illegible]



Attributes	
File Name	GeoJot+ 2014-07-01 13_13_23.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 10' 12"
Longitude	W 114° 55' 56"
Time Stamp	2:13:02 PM
Date Stamp	7/1/2014
Elevation	7018 ft
Photo Direction	282° WNW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	41
Route Reference	Route Detail
II Route Context-Historic	Mining Exploration Activity
II Route Context-Contemporary	Access to sheep camp and water
III Evidence of Const/Improve	Yes
III A1 Construction	Bladed
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Medium
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Cherry stem
Detail	Heavy increase in use below sheep camp/rehab above camp
Photo Direction	W

Mountain Lion Springs RA: 42
Origin

35° NE

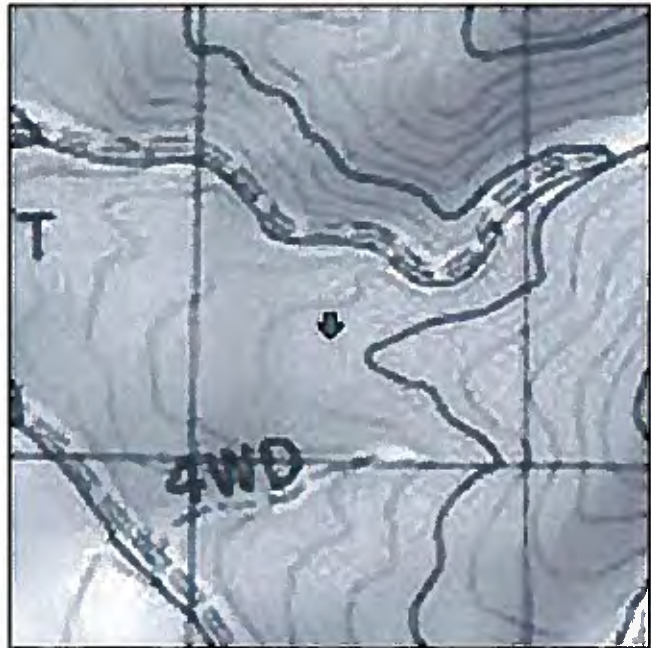
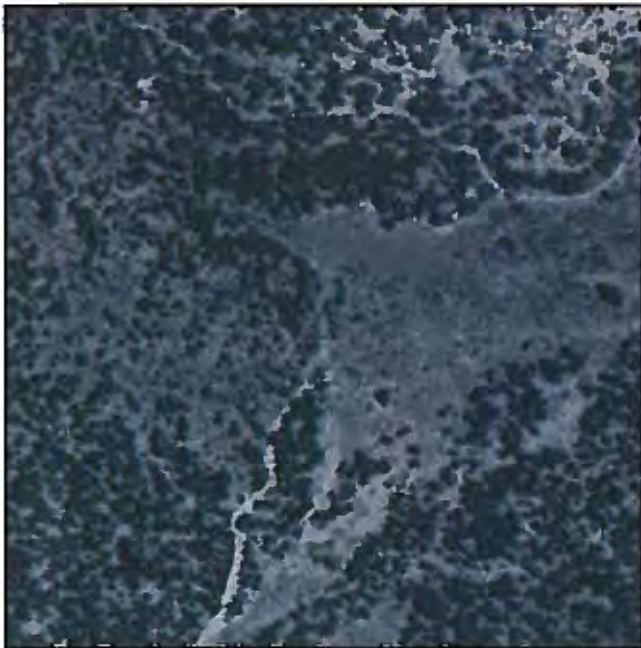
N 40° 10' 27"
W 114° 56' 46"

6696 ft

2:23:18 PM
7/1/2014



Attributes	
File Name	GeoJot+ 2014-07-01 13_23_39.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 10' 27"
Longitude	W 114° 56' 46"
Time Stamp	2:23:18 PM
Date Stamp	7/1/2014
Elevation	6696 ft
Photo Direction	35° NE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	42
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	Yes
III A1 Construction	Bladed
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	NE



Attributes	
File Name	GeoJot+ 2014-07-01 13_27_05.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 10' 35"
Longitude	W 114° 56' 38"
Time Stamp	2:26:44 PM
Date Stamp	7/1/2014
Elevation	6798 ft
Photo Direction	179° S
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	42
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	Yes
III A1 Construction	Bladed
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	N

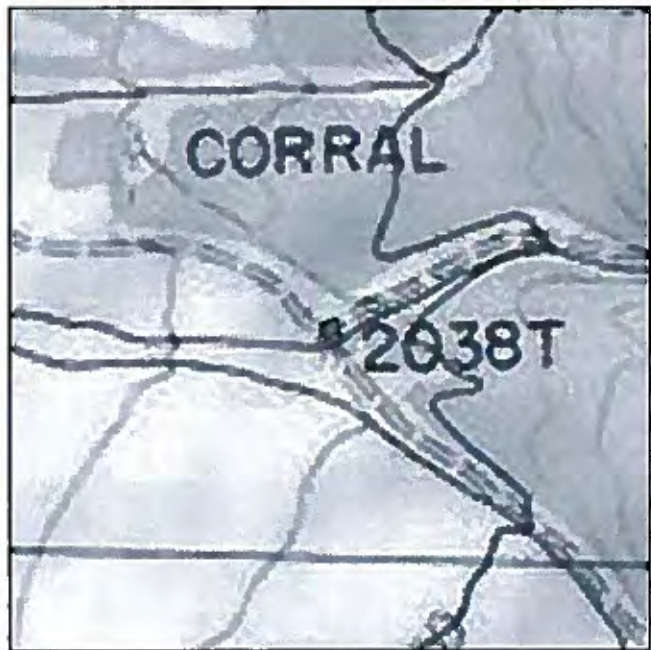
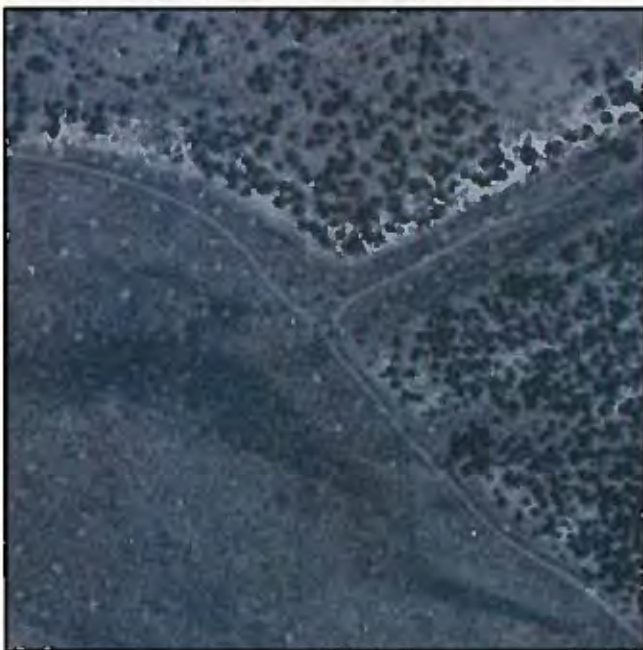
Mountain Lion Springs RA: 43
Origin

33° NINE

N 40° 10' 38"
W 114° 57' 02"

6640 ft

12:33:23 PM
7/1/2014



Attributes	
File Name	Geojot+ 2014-07-01 13_33_44.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 10' 38"
Longitude	W 114° 57' 02"
Time Stamp	2:33:23 PM
Date Stamp	7/1/2014
Elevation	6640 ft
Photo Direction	33° NNE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	43
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	NE

Min Lion Springs RA 43
Terminus

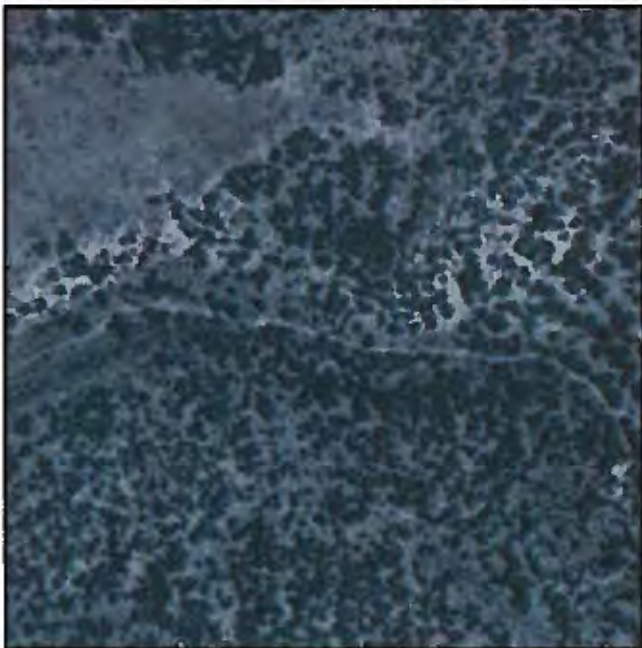
115 ESE



N 40° 10' 42"
W 114° 56' 49"

6582 ft

2 36:55 PM
7/1/2014



Attributes	
File Name	Geolot+ 2014-07-01 13_37_16.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 10' 42"
Longitude	W 114° 56' 49"
Time Stamp	2:36:55 PM
Date Stamp	7/1/2014
Elevation	6683 ft
Photo Direction	115° ESE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	43
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	Route becomes impassible beyond this point
Photo Direction	E

Mountain Lion Springs RA 44
Origin

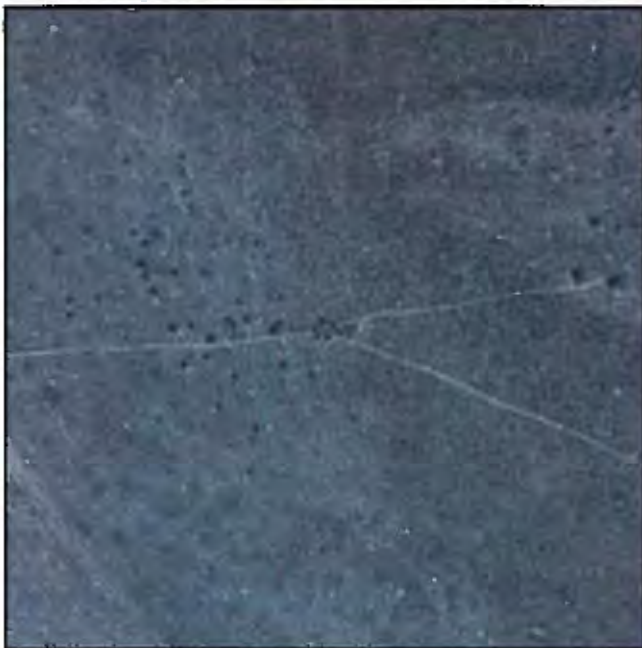
69° ENE



N 10° 10' 49"
W 114° 57' 35"

6532 ft

2:41:11 PM
7/1/2014



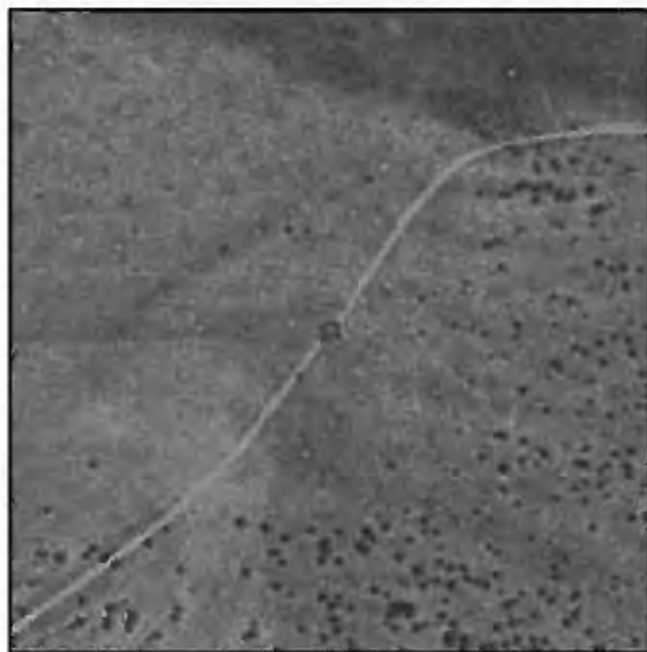
Attributes	
File Name	GeoJot+ 2014-07-01 13_44_31.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 10' 49"
Longitude	W 114° 57' 35"
Time Stamp	2:44:11 PM
Date Stamp	7/1/2014
Elevation	6532 ft
Photo Direction	69° ENE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	44
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	E

45

Route Reference: Origin

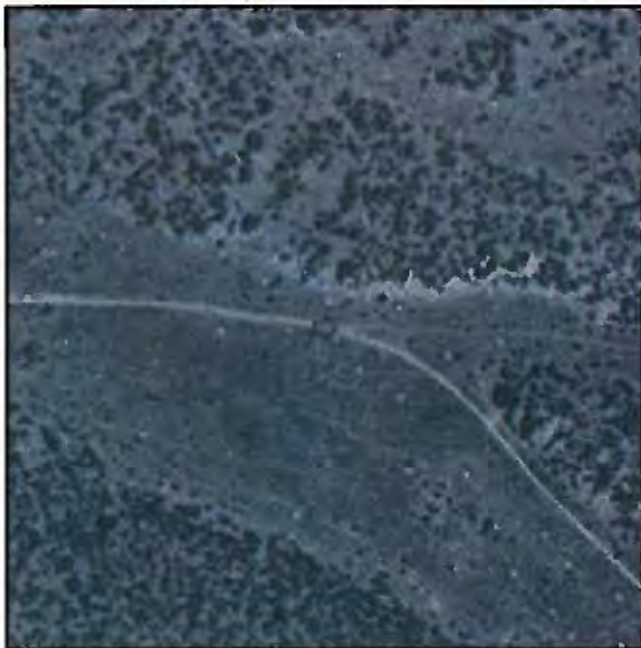
Min Lion Springs RA: 45
Origin

33° NNE

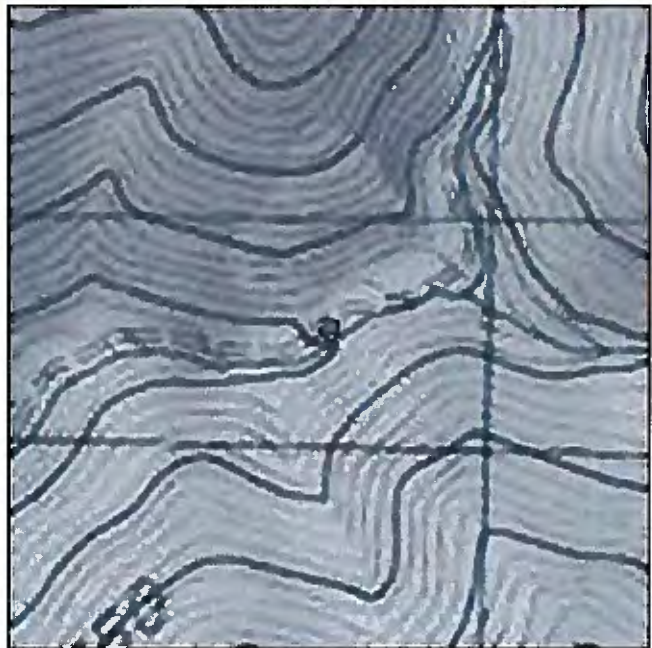


Attributes	
III Evidence of Const/Improve	Yes
III A1 Construction	Bladed
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Medium
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	E
File Name	GeoJot+ 2014-07-01 14_00_04.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 11' 47"
Longitude	W 114° 58' 07"
Time Stamp	2:59:44 PM
Date Stamp	7/1/2014
Elevation	6476 ft
Photo Direction	33° NNE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	45
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Access to Water development

Abandoned Route



Attributes	
File Name	GeoJot+ 2014-07-01 14_05_32.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 11' 50"
Longitude	W 114° 57' 44"
Time Stamp	3:05:11 PM
Date Stamp	7/1/2014
Elevation	6558 ft
Photo Direction	95° E
Make	ASUS
Model	ASUS Transformer Pad TF300T
Sign Type	
Possible Stewardship	Naturalize Route
Notes	
Fence Purpose	



Attributes	
File Name	GeoJot+ 2014-07-01 14_17_59.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 11' 38"
Longitude	W 114° 56' 08"
Time Stamp	3:17:38 PM
Date Stamp	7/1/2014
Elevation	7126 ft
Photo Direction	51° NE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	45
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Access to water development
III Evidence of Const/Improve	Yes
III A1 Construction	Bladed
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Low
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	NE

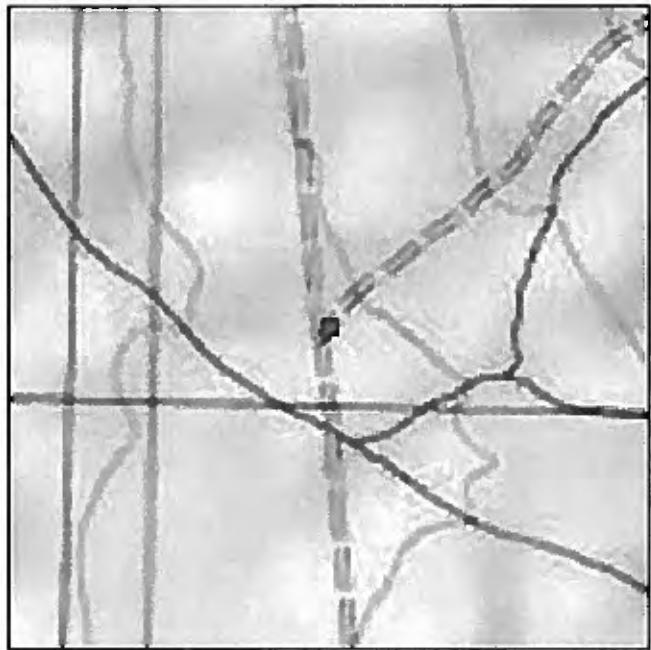
Mtn Lion Springs RA 46
Origin

41° NE

N 40° 12' 12"
W 114° 58' 36"

6375 ft

4:19:17 PM
7/1/2014



Attributes	
File Name	GeoJot+ 2014-07-01 15_19_38.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 12' 12"
Longitude	W 114° 58' 36"
Time Stamp	4:19:17 PM
Date Stamp	7/1/2014
Elevation	6375 ft
Photo Direction	41° NE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	46
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	NE

Mtn Lion Springs RA 46
Terminus

247 WSW



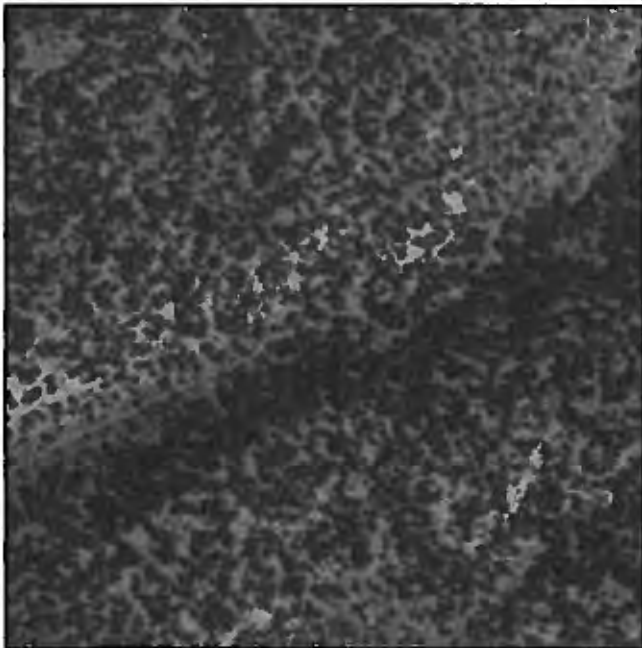
N 40° 12' 42"

W 114° 57' 43"

6591 ft

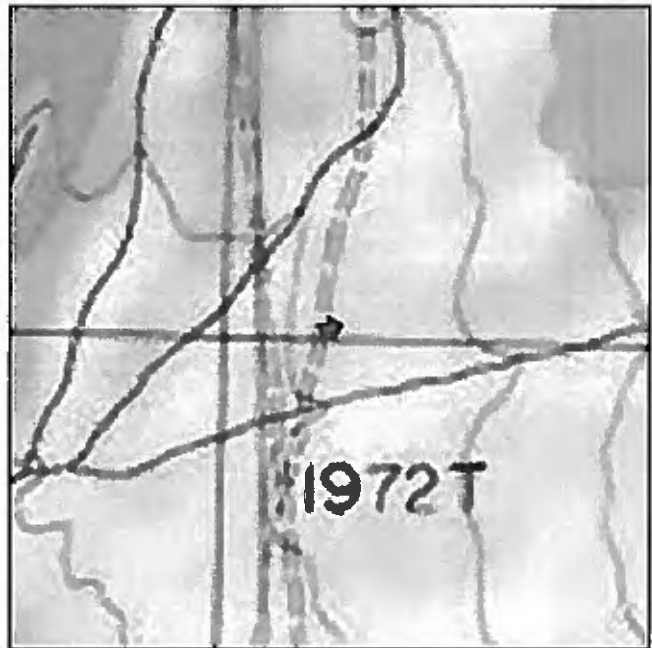
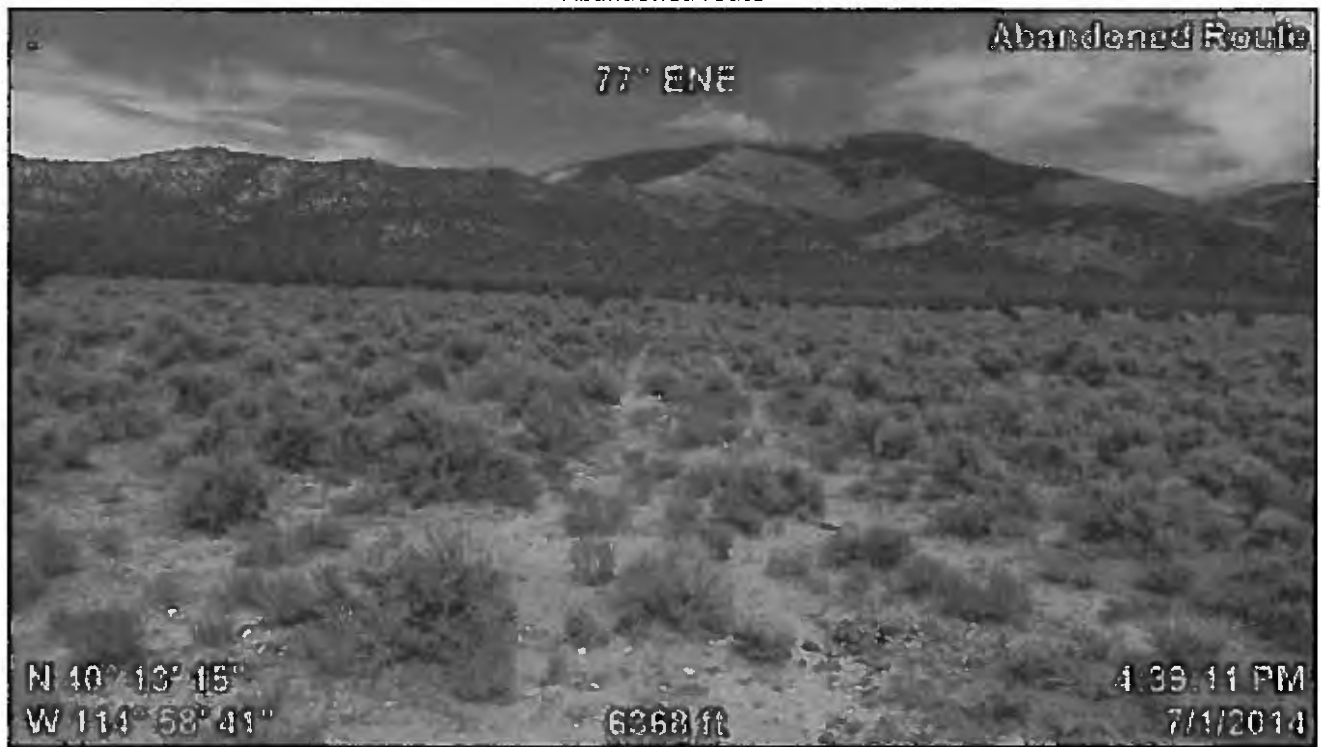
4:27:07 PM

7/1/2014



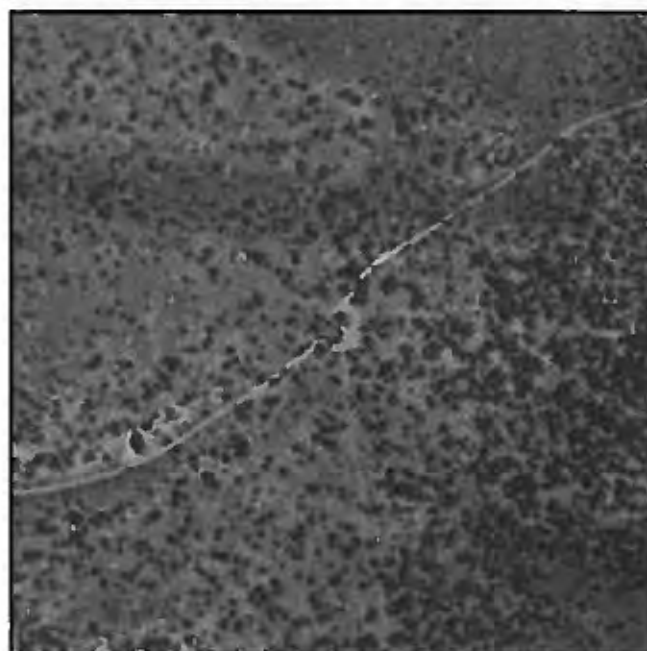
Attributes	
Description	
Tags	
Latitude	N 40° 12' 42"
Longitude	W 114° 57' 43"
Time Stamp	4:27:07 PM
Date Stamp	7/1/2014
Elevation	6591 ft
Photo Direction	247° WSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	46
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	W
File Name	Geolot+ 2014-07-01 15_27_28.jpg
Title	
Subject	
Comment	

Abandoned route



[illegible]

Campsite



[illegible]

47

Route Reference: Origin

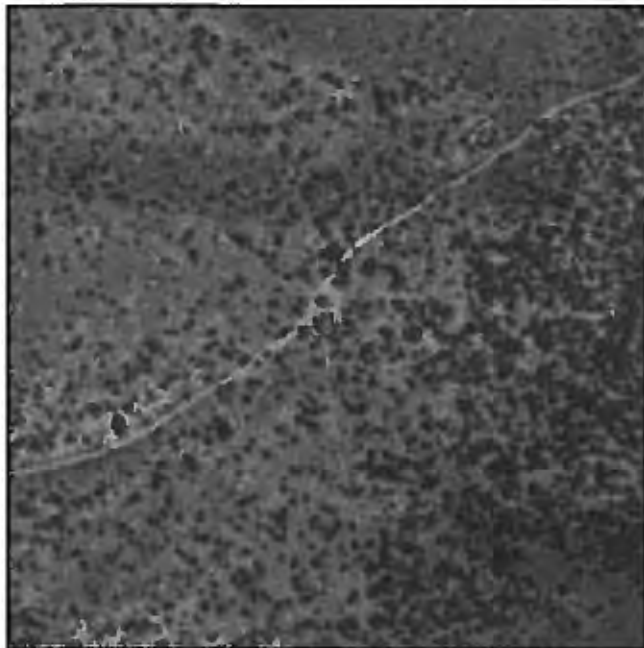
Mtn Lion Springs RA: 47
Origin

179° S

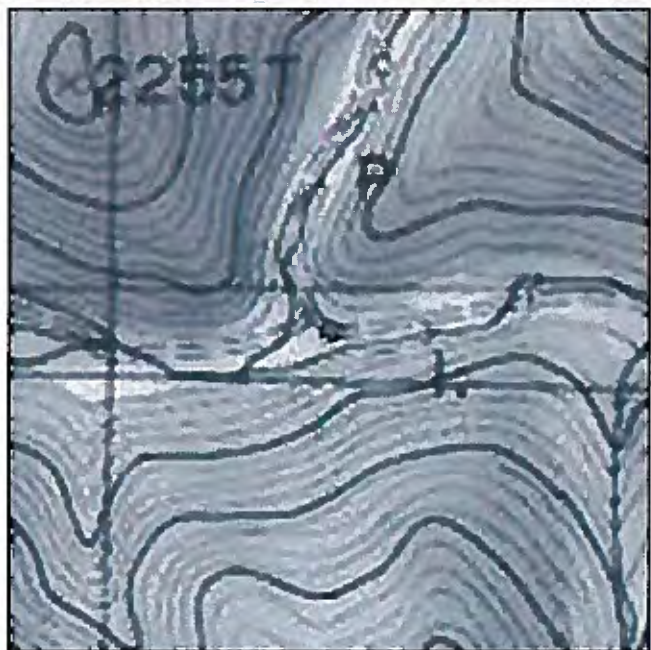
N 40° 14' 22"
W 114° 57' 54"

6713 ft

4 49 13 PM
7/1/2014



Attributes	
File Name	GeoJot+ 2014-07-01 15_49_33.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 14' 22"
Longitude	W 114° 57' 54"
Time Stamp	4:49:13 PM
Date Stamp	7/1/2014
Elevation	6713 ft
Photo Direction	179° S
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	47
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	Yes
Use- Vehicular	Rare
Use- ATV/MC	Low
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	S

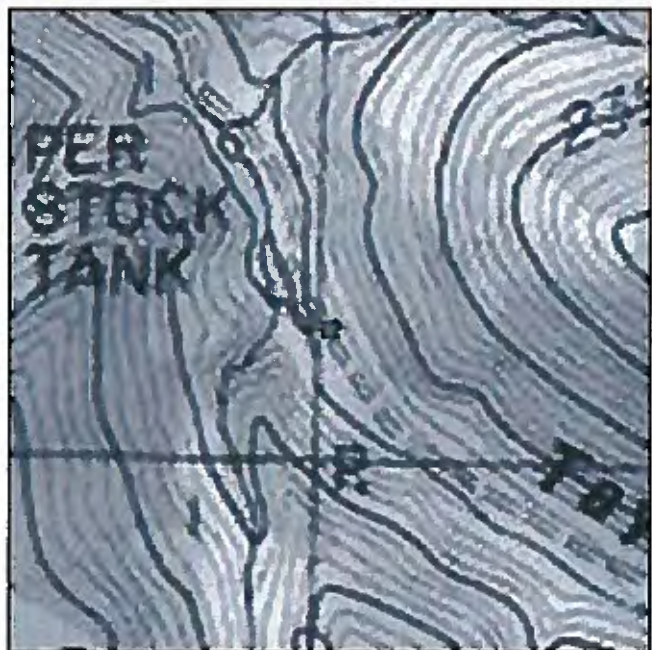


[illegible]

Water Development

Stock Pond

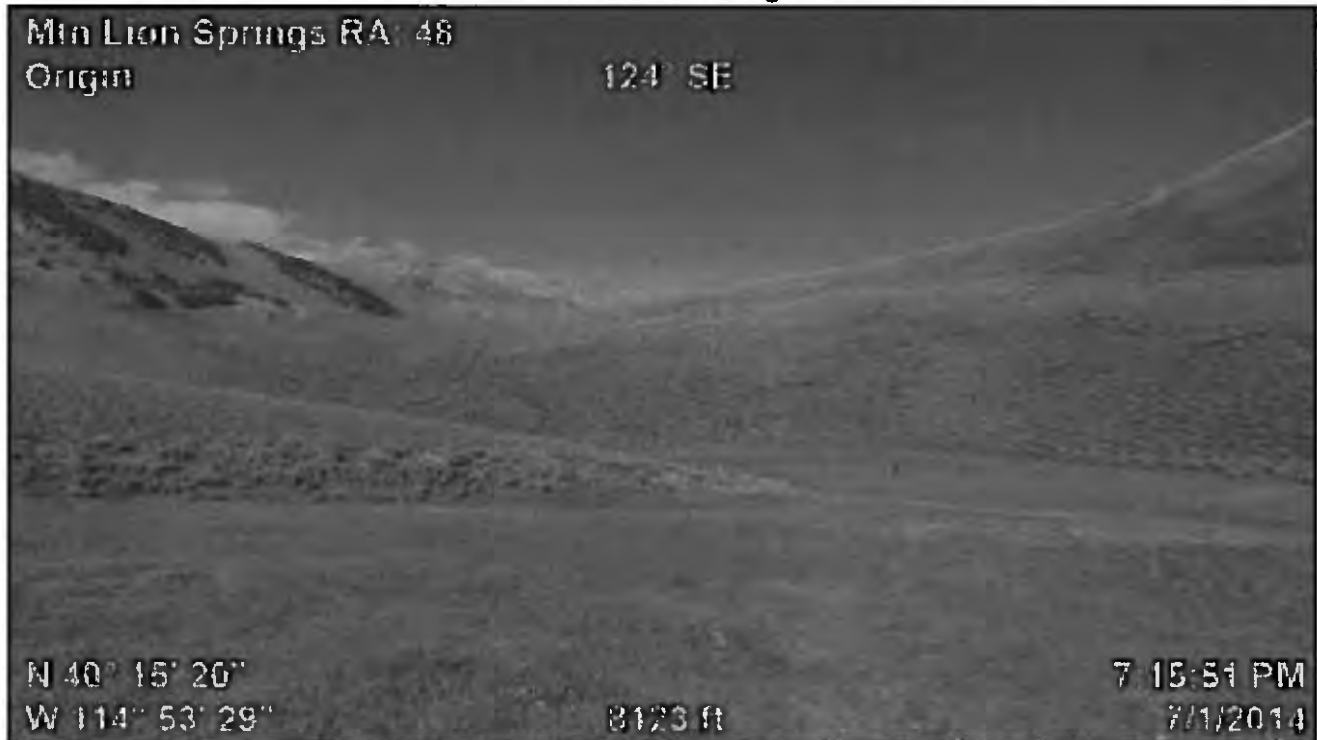
223° SW



Attributes	
File Name	GeoJot+ 2014-07-01 17_02_57.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 13' 47"
Longitude	W 114° 54' 31"
Time Stamp	6:02:36 PM
Date Stamp	7/1/2014
Elevation	7175 ft
Photo Direction	228° SW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Sign Type	
Possible Stewardship	
Notes	
Fence Purpose	

Mtn Lion Springs RA: 48
Origin

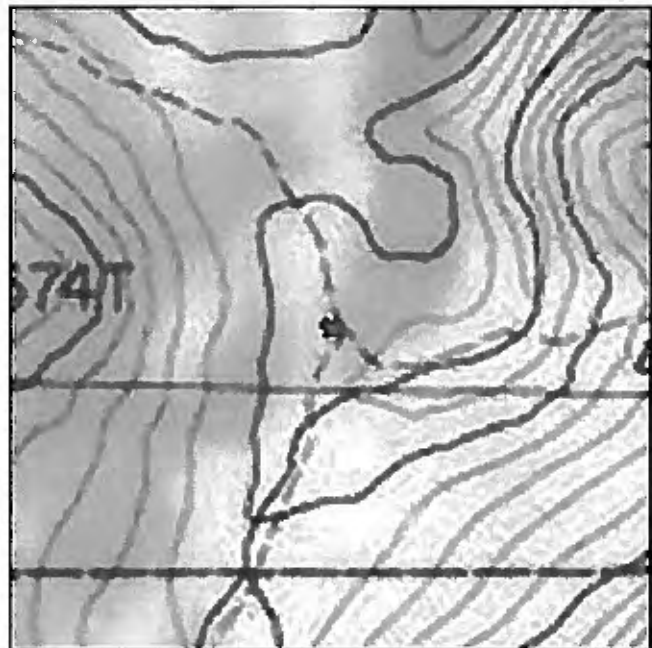
124° SE



N 40° 15' 20"
W 114° 53' 29"

8123 ft

7:15:51 PM
7/1/2014



Attributes	
File Name	GeoJot+ 2014-07-01 18_16_12.jpg
Title	
Subject	
Comment	
Description	
Tags	
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Longitude	W 114° 53' 29"
Time Stamp	7:15:51 PM
Date Stamp	7/1/2014
Elevation	8123 ft
Photo Direction	124° SE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	48
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	NE

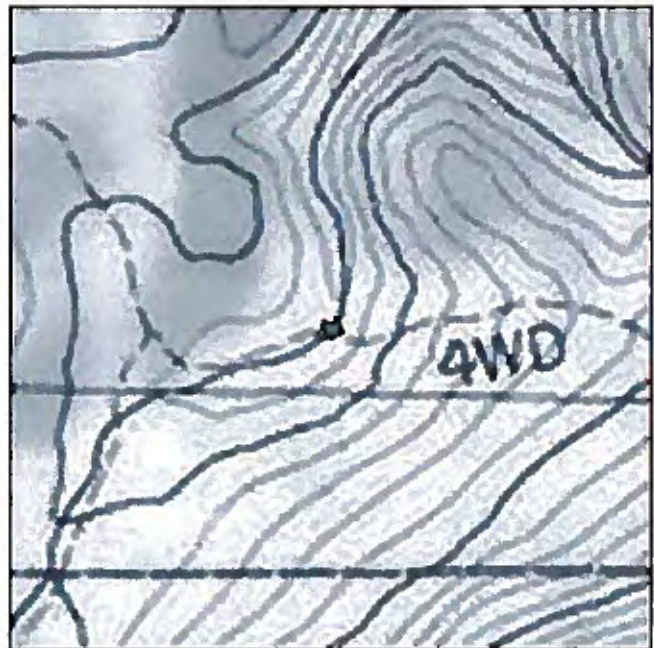
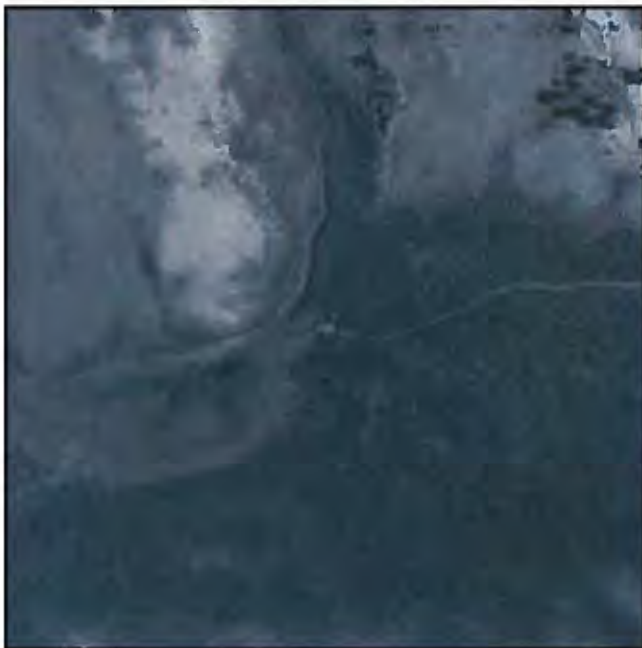
Mtn Lion Springs RA: 48
Route Detail

108° ESE

N 40° 15' 20"
W 114° 53' 20"

8123 ft

7:19:01 PM
7/1/2014



Attributes	
File Name	GeoJot+ 2014-07-01 18_19_22.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 15' 20"
Longitude	W 114° 53' 20"
Time Stamp	7:19:01 PM
Date Stamp	7/1/2014
Elevation	8123 ft
Photo Direction	108° ESE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	48
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	Erosion
Photo Direction	E

Min Lion Springs RA: 48
Route Detail

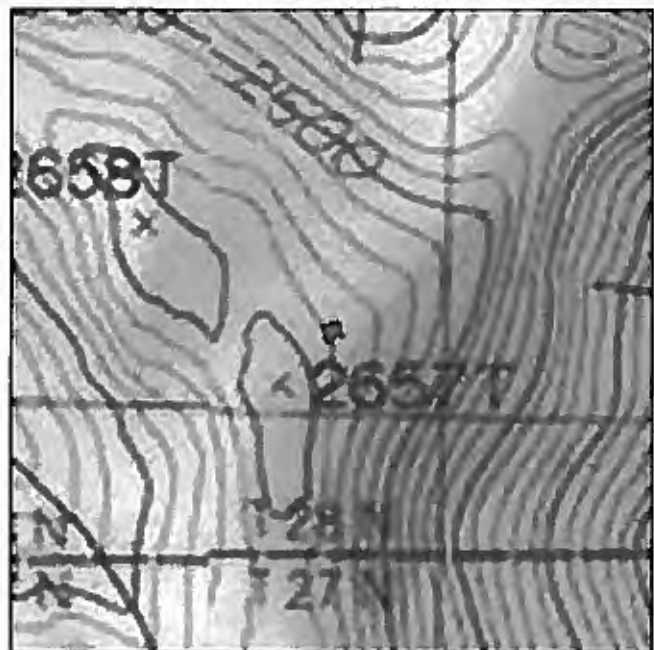
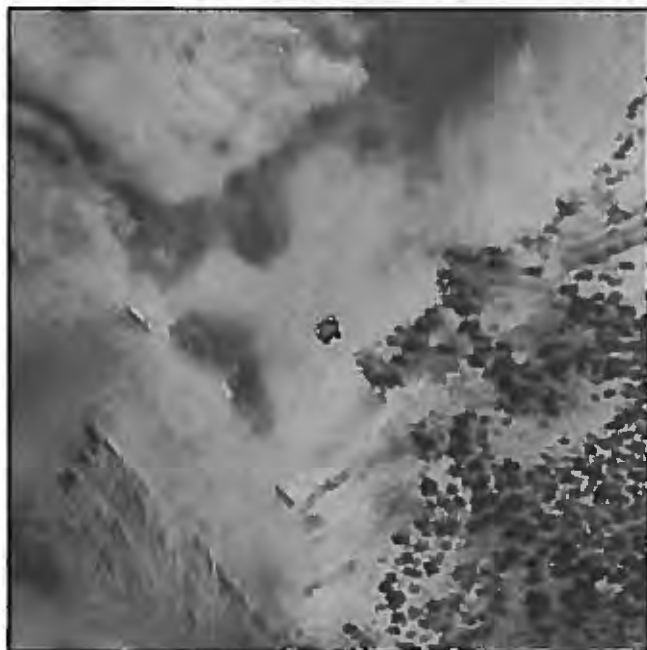
63° ENE



Attributes	
File Name	GeoJot+ 2014-07-01 18_29_42.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 14' 51"
Longitude	W 114° 52' 37"
Time Stamp	7:29:21 PM
Date Stamp	7/1/2014
Elevation	8816 ft
Photo Direction	63° ENE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	48
Route Reference	Route Detail
II Route Context-Historic	Unknown
II Route Context-Contemporary	Motorized Hunting Tracks
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Campsite too
Detail	Route becomes much fainter/ Rehabilitation/Naturalize the Route
Photo Direction	NE

Mtn Lion Springs RA: 48
Route Detail

30° NNE



Attributes	
File Name	GeoJot+ 2014-07-01 18_37_04.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 15' 20"
Longitude	W 114° 52' 27"
Time Stamp	7:36:43 PM
Date Stamp	7/1/2014
Elevation	8583 ft
Photo Direction	30° NNE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	48
Route Reference	Route Detail
II Route Context-Historic	None
II Route Context-Contemporary	Recreation
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route. Barely a track
Detail	Abandoned Route
Photo Direction	N

Min Lion Springs RA: 48
Terminus

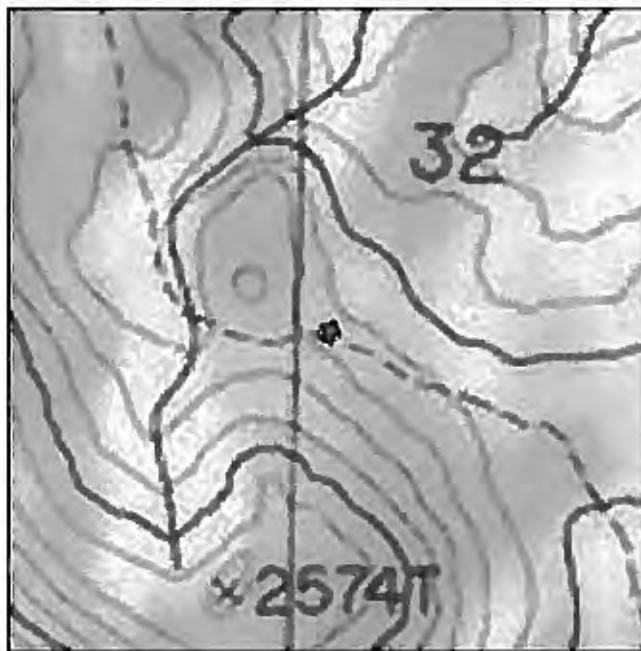
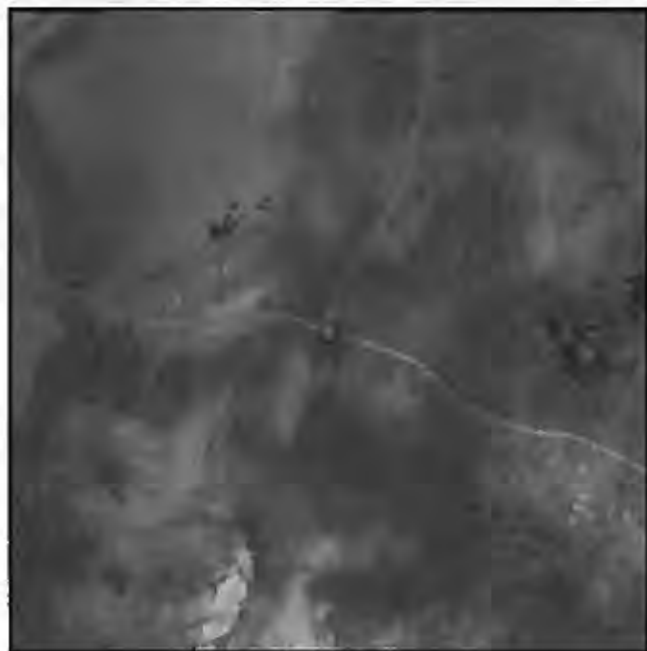
22° NINE



N 40° 15' 31"
W 114° 53' 44"

8202 ft

7:54:12 PM
7/1/2014



Attributes	
File Name	Geolot+ 2014-07-01 18_54_33.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 15' 31"
Longitude	W 114° 53' 44"
Time Stamp	7:54:12 PM
Date Stamp	7/1/2014
Elevation	8202 ft
Photo Direction	22° NNE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	48
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	NE

Mountain Lion Springs RA: 49
Origin

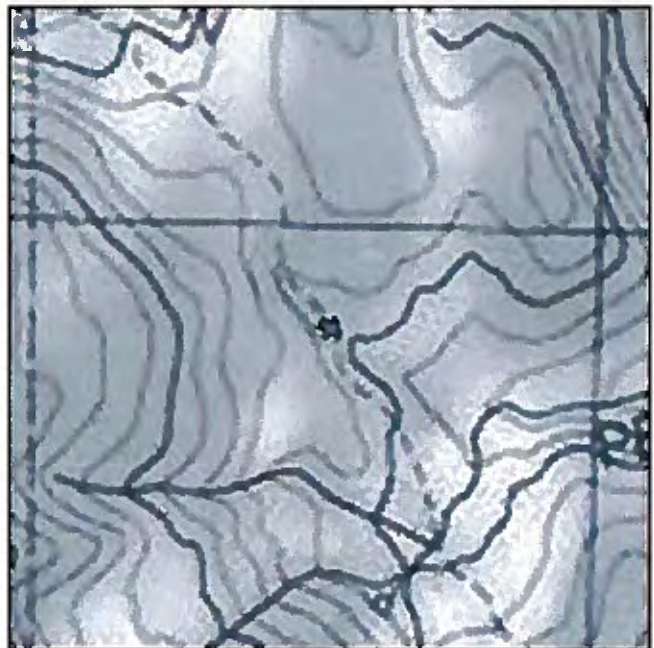
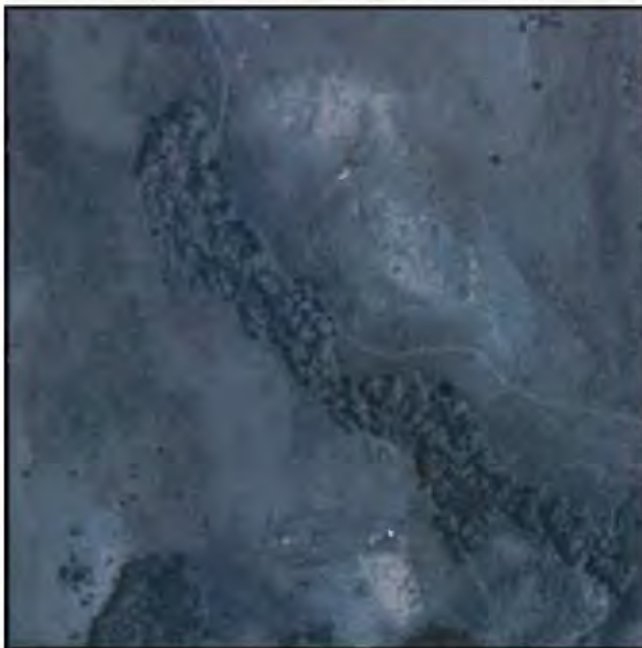
118° ESE



N 40° 16' 20"
W 114° 53' 57"

7835 ft

8:11:33 PM
7/1/2014



Attributes	
File Name	GeoJot+ 2014-07-01 19_11_59.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 16' 20"
Longitude	W 114° 53' 57"
Time Stamp	8:11:39 PM
Date Stamp	7/1/2014
Elevation	7835 ft
Photo Direction	118° ESE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	49
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SE

50

Route Reference: Origin

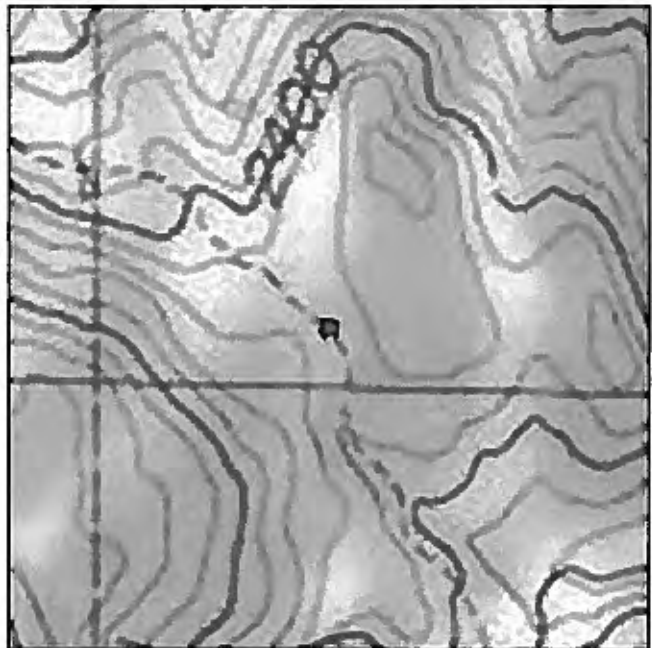
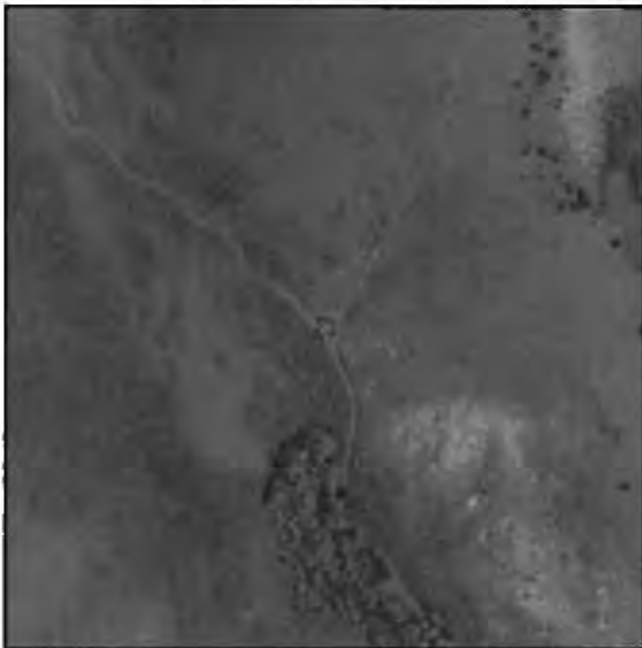
Mtn Lion Springs RA: 50
Origin

52° NE

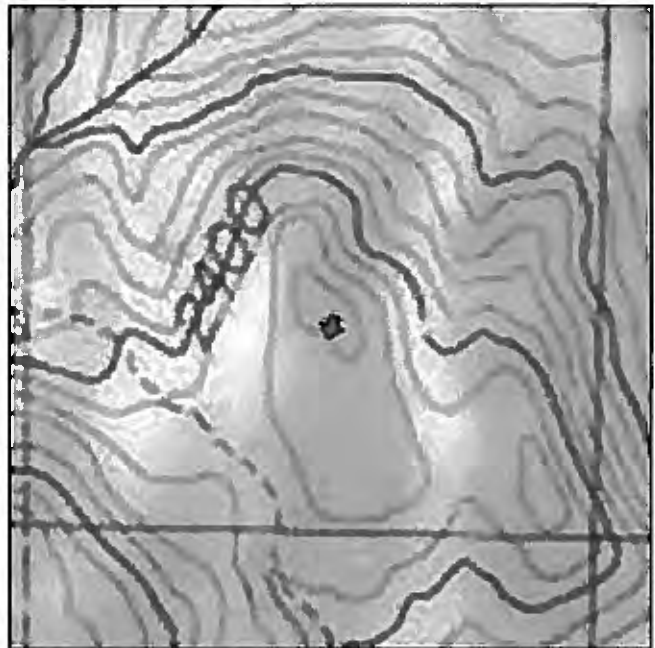
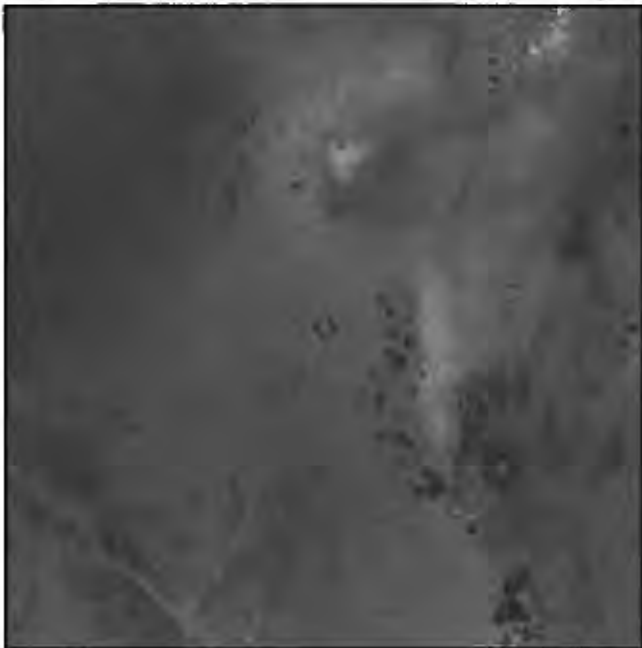
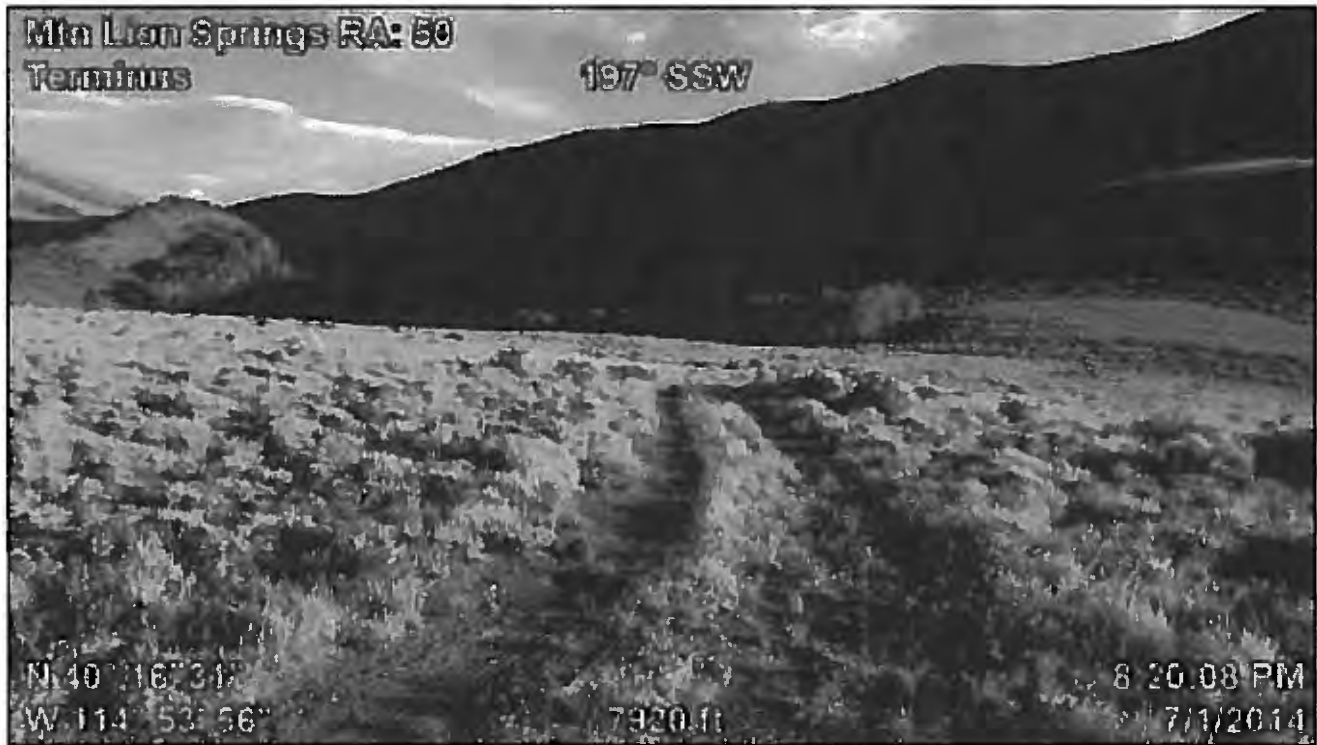
N 40° 16' 26"
W 114° 53' 60"

7687 ft

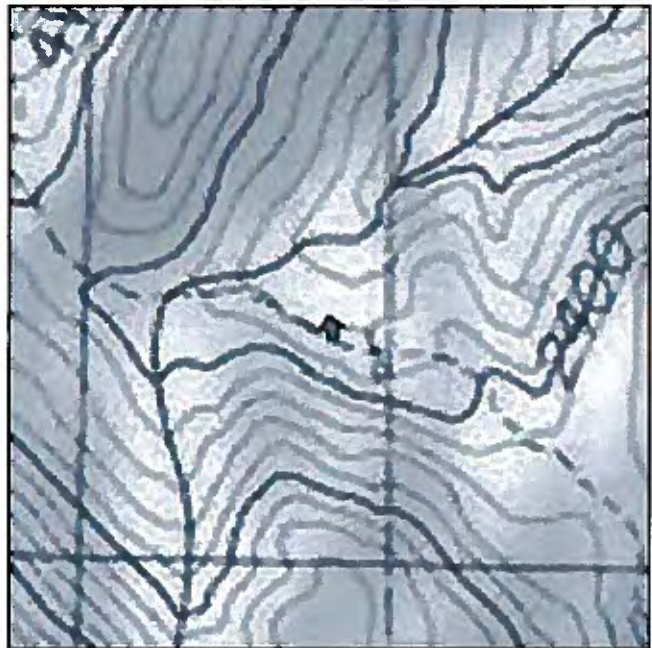
8:17:23 PM
7/1/2014



Attributes	
File Name	GeoJot+ 2014-07-01 19_17_44.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 16' 26"
Longitude	W 114° 53' 60"
Time Stamp	8:17:23 PM
Date Stamp	7/1/2014
Elevation	7887 ft
Photo Direction	52° NE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	50
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	N/A
Detail	
Photo Direction	NE



Attributes	
File Name	GeoJot+ 2014-07-01 19_20_29.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 16' 31"
Longitude	W 114° 53' 56"
Time Stamp	8:20:08 PM
Date Stamp	7/1/2014
Elevation	7920 ft
Photo Direction	197° SSW
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	50
Route Reference	Terminus
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	Rare
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	SE



[illegible]

51

Route Reference: Origin

Mtn Lion Springs RA: 51
Origin

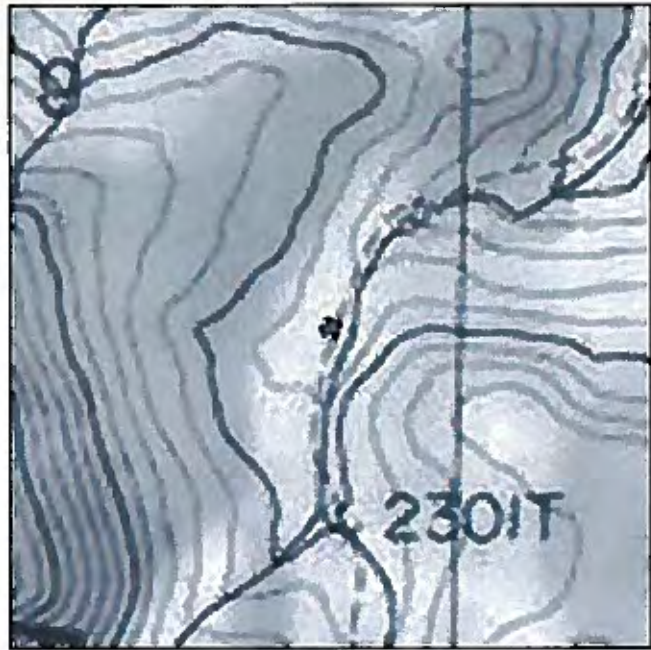
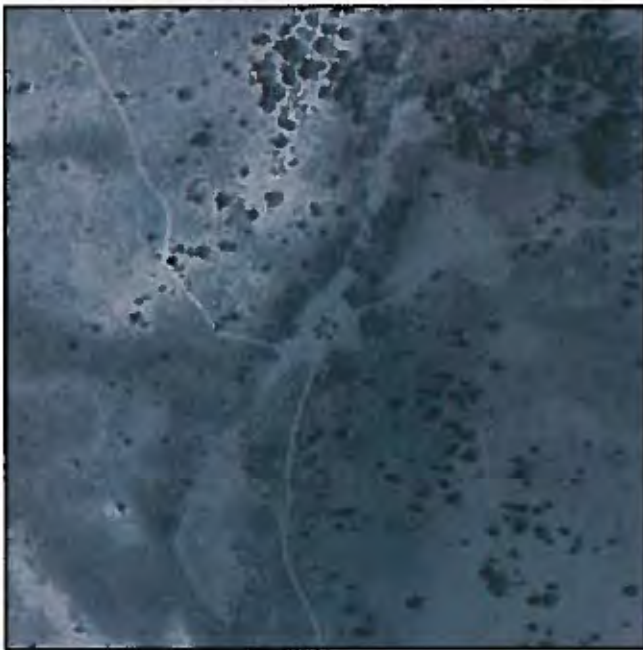
67° ENE



N 40° 17' 14"
W 114° 54' 31"

7420 ft

8:47:49 PM
7/1/2014



Attributes	
File Name	GeoJot+ 2014-07-01 19_48_09.jpg
Title	
Subject	
Comment	
Description	
Tags	
Latitude	N 40° 17' 14"
Longitude	W 114° 54' 31"
Time Stamp	8:47:49 PM
Date Stamp	7/1/2014
Elevation	7480 ft
Photo Direction	67° ENE
Make	ASUS
Model	ASUS Transformer Pad TF300T
Mtn Lion Springs RA	51
Route Reference	Origin
II Route Context-Historic	Unknown
II Route Context-Contemporary	Unknown
III Evidence of Const/Improve	None
III A1 Construction	None
III A2 Improvements	None
III B Evidence of Maintenance	None
III Regular and Continuous Use	No
Use- Vehicular	Rare
Use- ATV/MC	
Use- Mountain Bike	
Use Stock/Wildlife	
Recommendations/Comments	Rehabilitation/Naturalize the Route
Detail	
Photo Direction	E

EXHIBIT 3

MOUNTAIN LION SPRINGS COMPLEX OVERVIEW CHERRY CREEK RANGE, ELKO COUNTY, NEVADA

**Friends of Nevada Wilderness Inventory
Julien Pellegrini**

MOUNTAIN LION SPRINGS COMPLEX DESCRIPTION:

The Mountain Lion Springs complex is a conglomerate of wild mountainous lands consisting of four sub-units (Rocky Point, Goshute Canyon WSA, and two Goshute Canyon additions). During the summer field season of 2014, in August of that year Will Boyer and myself inventoried this complex consisting of two primary components, the Mountain Lion Springs unit on the east consisting of 51,000 acres and Rocky Point unit to the northwest consisting of 20,500 acres, as well as Goshute Canyon Wilderness addition subunit to the southwest consisting of 2,100 acres and the Goshute Canyon WSA consisting of 377 acres, which serves as an addition to the eastern unit. The Mountain Lion Springs, Goshute Canyon Wilderness Additions, Goshute Canyon WSA units are each contiguous with the Goshute Canyon Wilderness and adjacent with each other. The White Pine County Line has thus far served as a northern boundary for the Goshute Canyon Wilderness; however the qualities of wilderness do not end with county lines. Upon entering this beautiful mountainous region of southern Elko County, Nevada we found wilderness characteristics, primarily biological and archaeological richness abounding in all corners of the aforementioned region. The Rocky Point unit is adjacent with both the Goshute Canyon Wilderness Additions and the Mountain Lion Springs units.



Goshute Canyon, East face of the Cherry Creek Range, Elk, Nevada – Aug. 2014 – photo by J. Pellegrini

Mountain lion Springs, located halfway up Corral Canyon, eastern face of the Cherry Creek Range, is nestled deep within a dense old growth pinion/juniper forest. Besides the obvious connotation of the name, the area itself conjures the vision of one of the Great Basin's most celebrated, elusive, and magnificent mammals. The area is beautiful habitat for the mountain lion and its prey. This area is of pristine deer and elk habitat, and in fact, we encountered a small mule deer herd at the spring. Above the spring is a view that the very term "wilderness" conjures in us all. Tall barren peaks bathed in alpenglow afternoon bronze light where small bands of elk can be found meandering in the hour before night seizes the region and gives safe passing to the host of nocturnal mammals

and birds. Within the pinion and juniper trees one can hear the roaring hiss of silence broken by an occasional breeze that comes to animate the trees.

The ecological richness of this area is fantastic. Plant communities range from low land foothills clothed in *Artemisia* and bitterbrush, the ground under which is foliated in a rich diversity of native forbs. In the upper portion from the foothills is the necessary cover for deer and elk, the pinion and juniper community which expands from about 6,000 feet to about 8,500 feet above sea level. There is a transitional zone within the last 500 feet or so of pinion/juniper where spruce and aspen groves begin their long peak-worshiping sprawl upward toward subalpine rocky ridges draped in native bunch grasses and flowering forbs.



Array of flowering plants including, *Penstemon speciosus*, *Castaleya* Sp., *Opuntia arancilla*, – photos by J. Pellegrini

I have been a bird enthusiast since I was about 8 years old, studying the subject of ornithology at the University of Nevada, Reno, and holding a license to practice falconry since before my sophomore year in high school, yet in all the areas such as this in which I have ventured in search of prairie falcon nests, I have never encountered the density of falcon nests as I did in the ten days I spent looking within this complex of proposed wilderness areas and additions. In nearly every canyon we entered we encountered recently fledged falcons learning the magnificence of their new wings. We encountered in total four nests still holding young and an innumerable number of juvenile birds winging down the canyons we entered as well as over the peaks we climbed. I know from my own observations as well as from my formal education that in order to find an active falcon nest, one must first find themselves within a biologically sound and rich environment that can thus support the varied range of prey species upon which these beautiful desert falcons depend. We did, indeed find ourselves within such a place.



**At left: three prairie falcon chicks in cliff nest; at right: recently fledged prairie falcon newly on the wing.
– Photos by J. Pellegrini**

We located numerous caves (small caves, only little more than elaborate rock shelters) and rock shelters within the described units. Upon examination we found them all to have been inhabited at one point in time by the native peoples who once lived in this area, most likely the Western Shoshone. Fire blackened ceilings and cryptocrystalline rock debitage scattered before the entrance of each such rock structure were immediately obvious. We located more rare artifacts in some of these sites occasionally as well, such as one bone implement that was found to have been ground down on one end (the other end was broken long ago). This tool may have been used as an awl for punching holes in leather, basket making, or perhaps as a flint knapping tool. The tool had been fire blackened suggesting that the tool had been made after it was considered a meal, or perhaps it was evidence of a burial. Burials often are sites deemed as such due to evidence of burning and breakage. Tools and possessions belonging to a deceased individual within Great Basin cultures were never kept by anyone; in fact, the deceased persons' name was never again directly spoken. These implements were most certainly disposed of with the body in the deceased's lodging. Ground stone tools were even broken as well as other tools, perhaps such as our ground bone tool. We left the roomy rock shelter and its burned tools to the silence it knows best. We left the rock shelter, now actively sheltering a large mountain lion with tracks in its dust six inches wide.



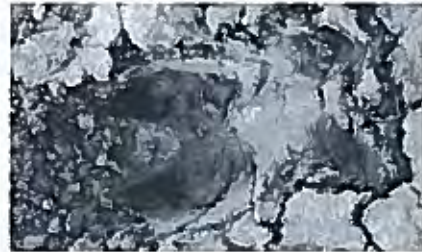
Top row (L-R): Broken end of bone tool; Ground end of bone tool; Overview of bone tool; Rock shelter in front of which the bone tool was found; stone projectile point found within the area – this artifact was most likely used as a knife or a Paleo-Indian hunting point used with an atlatl. The length of the point is approximately 4 cm in length and 2 cm in width.

– Photos by J. Pellegrini

Species that were observed within the Mountain Lion Complex were varied across multiple genera and orders. A list of mammalian and avian species documented within a ten day period includes the following list:

MAMMALS: Mountain Lion (tracks, dens & scat)
Coyote
Grey Fox (tracks & scat)
Badger
Mule deer
Elk
Feral horse
Black-tailed jackrabbit
Cottontail rabbit
White-tailed antelope ground squirrel
Least chipmunk

BIRDS: Golden eagle
Red-tailed hawk
Swainson's hawk
Ferruginous hawk
Prairie falcon
American kestrel
Great-horned owl
Turkey Vulture
Sage sparrow
Sage thrasher
Common poor will
Common nighthawk
Mourning dove
Black-shinned hummingbird
Sage grouse
Blue grouse
Clark's nutcracker
Common Raven
Northern (red-shafted) flicker
Western kingbird
Say's phoebe
Horned lark



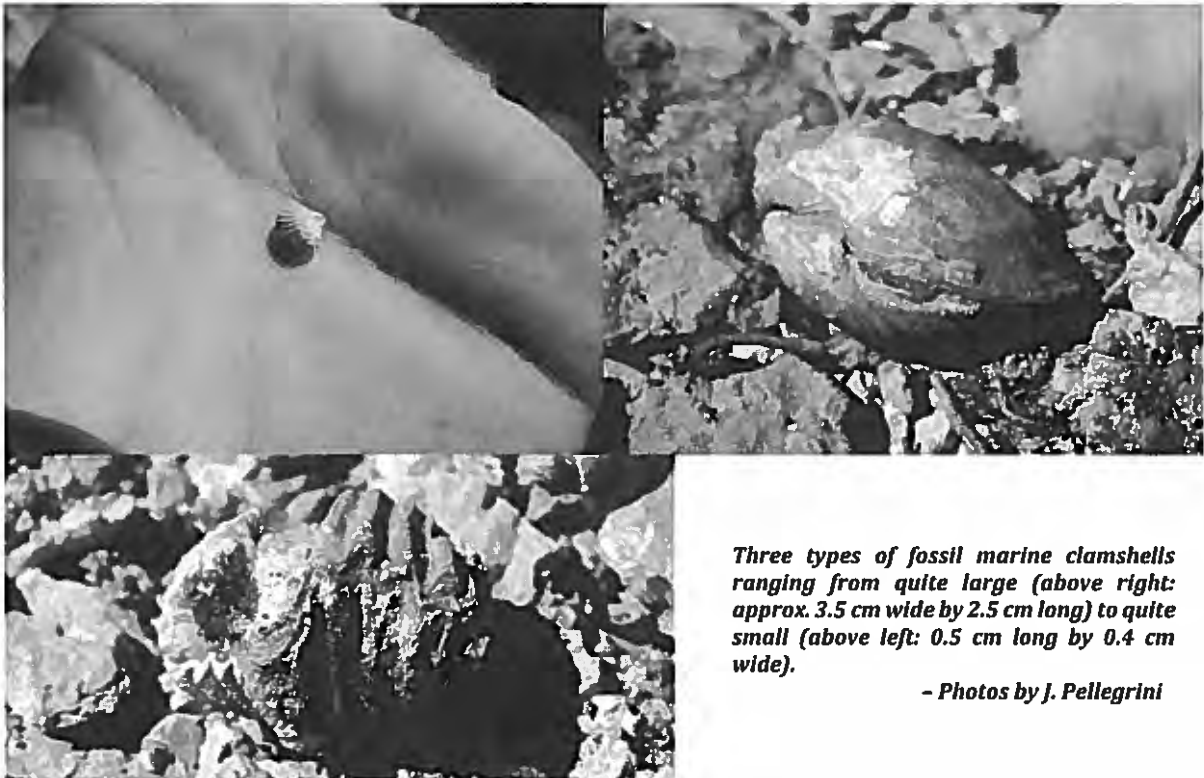
Bull elk track in dried mud in the Cherry Creek Range. Photo by J. Pellegrini

Violet-green swallow
Scrub jay
Pinyon jay
Black-billed magpie
Plain titmouse
Mountain chickadee
Bushtit
Rock wren
Mountain bluebird
Hermit thrush
American robin
Loggerhead shrike
Yellow-rumped (Audubon's) warbler
(Western) Spotted towhee
Vesper sparrow
Lark sparrow
Black-throated sparrow
Chipping sparrow
Brewer's sparrow
Western meadowlark
Northern (Bullock's) oriole
Cassin's finch
Chukar



Blue grouse observed and photographed near the crest on the west face of the Cherry Creek Range. Photo by J. Pellegrini

A fascinating fossil bed was also observed throughout the east face of the Cherry Creek Range within the area here described. Within the areas we located as holding fossils, such specimens were observed as corals, various clam shells and mollusks which indicate the fossils were marine, the age of which could range from 200 million years old or older.



Three types of fossil marine clamshells ranging from quite large (above right: approx. 3.5 cm wide by 2.5 cm long) to quite small (above left: 0.5 cm long by 0.4 cm wide).

- Photos by J. Pellegrini

**WILDERNESS CHARACTERISTICS INVENTORY
INVENTORY AREA EVALUATION (FORM 2)
Submitted by Friends of Nevada Wilderness (FNW)**

Current Conditions: Presence or Absence of Wilderness Characteristics
Area Unique Identifier: Goshute Canyon Wilderness Additions (NV-010-015B)
Acreage: 2,100 (a portion of the unit)

(If the inventory area consists of subunits, list the acreage of each and evaluate each separately).
In completing steps (1)-(5), use additional space as necessary.



(1) Is the area of sufficient size? (If the area meets one of the exceptions to the size criterion, check "Yes" and describe the exception in the space provided below),

YES [as the area is contiguous with the Goshute Canyon Wilderness, there is no minimum requirement for a size requirement]

Description (describe the boundaries of the area--wilderness inventory roads, property lines, etc): The west boundary of this unit begins where a road intersects the Elko/White Pine county line near the southwest corner of Section 13; T 26N; R 62 E. From here the boundary follows the above mentioned road in a northwesterly to the intersection of Sections 11, 12, 13, & 14, T 26N, R 62 E. From this point, the north boundary turns east to follow a route up an unnamed canyon to the top of the range, then turns south to follow this route south (stepping west briefly to exclude a parcel

of private property) to join the boundary of the Goshute Canyon Wilderness. The eastern ½ of southern boundary is contiguous with the Goshute Canyon Wilderness, the western ½ of the southern boundary follows the county line back to the starting point as described above. (See the KML file of the Goshute Canyon Wilderness Additions unit included with this report for more information on boundaries and inventoried roads.)

NOTE: The 2014 FNW Inventory found that many of the “routes” marked on maps and in GIS layers simply do not exist on the ground. Field checking is required before using these non-existent “routes” in management decisions.

(2) Does the area appear to be natural?
YES

Note: If “No” is checked the area does not have wilderness characteristics; check “NA” for the remaining questions below.

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

All of the unit as describe by the FNW inventory is comprised of public lands administered by the BLM. There are no routes of any kind within the unit described, therefore no route analysis was completed. The Goshute Canyon Wilderness additions are wildly scenic, and contain the same natural values as the nearby wilderness. Incredibly lush with a variety of vegetation, these mountains are a welcome escape from the stark and dusty surrounding desert. Forested mountainsides are punctuated by the occasional limestone cliff, and clear areas give reign to countless wildflowers. Sage is prolific throughout the region and can be found at nearly all elevations. Pinion Pines and Juniper trees are also prevalent, although they yield to mahogany, limber pines, and white fir forest at higher altitudes. A number of small desert shrubs and grasses can be found throughout the area as well, helping to provide an excellent habitat for many animals. This ecosystem is rich in life, and plants are not its only inhabitants. Many small rodents, reptiles, birds, insects, and other animals find a home within these vast and desolate lands, taking refuge in the numerous plants and bushes. Although smaller animals are most commonly seen, there are also a variety of larger creatures in this ecosystem. Numerous birds of prey roost and nest in the many cliffs and trees of these lands, finding plentiful food in the smaller birds and rodents of the area. Sage grouse, blue grouse, chukar, and other moderate sized birds are also common and round out the spectrum. Large mammals can be found here as well, including both herbivores and predators. Elk, deer, and antelope frequent these mountains and make up the bulk of the herbivore contingent. Their scat and trails can be found throughout the region. Mountain lions, bobcats, coyotes, and other large predators are also present here, but much more elusive. Signs of their presence are scarce, but obvious to those with a well-trained eye. It is clear that nature is in control here, and these lands are a beautiful example of wild scenery.

No human disturbances were discovered within this unit during the 2014 FNW Inventory. As noted, the unit is partially bounded by several minor routes, but these do little to upset the natural

feel of this area. The lands under consideration are predominantly natural, and offer spectacular wilderness that is indistinguishable from that which has been already designated.

(See the Mountain Lion Springs Complex Overview document included with this report for more details on the native flora and fauna of this unit.)

(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

Description (describe the area's outstanding opportunities for solitude): This entire unit offers multiple outstanding opportunities for solitude. Located in an isolated portion of the state and difficult to access due to rough roads, this LWC certainly offers opportunities for solitude. As a unit contiguous with a designated wilderness, solitude of that wilderness flows unimpeded into these additions. These mountains are an excellent place for solitude, and the Goshute Canyon Additions are no exception. Dense forests, deep canyons, and vast amounts of land combine to create an incredibly remote and desolate feel for this area. After stepping off the major routes of travel, one immediately feels alone and is overcome with a sense of isolation. In some instances this feeling can be overwhelming or even slightly hair-raising. It is uncanny to be able to step in the woods and know that you are the only person within a reasonable distance. In some instances, it could even be difficult to retrace your steps without diligent route finding. These lands are simply that remote and uninhabited. Out here one has time to take a step back from the busy modern world, and enter an alternate reality. This reality is devoid of people and background noise, free from societal concerns, and welcoming to all. It is the reality of the natural world, and in this region is truly spectacular.

(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

Description (describe the area's outstanding opportunities for primitive and unconfined recreation): This unit offers outstanding opportunities for primitive and unconfined recreation. This area is not easy to explore, however, nearly every inch of this unit is accessible to the visitor with the determination and skills to traverse trackless wilderness. As a unit contiguous with a designated wilderness, outstanding opportunities for primitive and unconfined recreation of that wilderness flow unimpeded into these additions. Opportunities for recreation are plentiful here, accommodating many different visitors and different activities. Hiking, backpacking, and camping are at the forefront of this, and opportunities to wander these mountains are vast and spectacular. Horseback riding and horse packing are also viable recreation opportunities here,

and would be an enjoyable way to explore the lands. Extensive limestone in the area serves a dual purpose. It creates beautiful and rugged scenery, as well as providing recreation opportunities. Rock climbing on this tough rock is possible, and it is also highly likely that caves exist within these lands. If that is the case, then spelunking could also be a recreational attraction here. Numerous other recreation opportunities exist including hunting, bird watching, wildflower viewing, photography, and rock hounding. In addition, winter recreation here could potentially include cross country skiing, snowshoeing, backcountry skiing, and snowboarding. High elevations and plentiful moisture combine to provide the right environment for such activities. (See the Mountain Lion Springs Complex Overview document included with this report for more details on the game species and fishing possibilities within this unit.)

The 2014 FNW Inventory found this area has outstanding opportunities for primitive and unconfined recreation in hiking, natural studies and appreciation, rock scrambling, canyoneering, exploration, and photography. The 2014 FWN Inventory also found that this area has a wide diversity of recreation opportunities.

This unit is within one of the darkest regions of the United States. The opportunities for star gazing and night sky photography are truly outstanding.

(5) Does the area have supplemental values (ecological, geological, or other features of scientific, educational, scenic or historical value)?

YES

Description:

The wildness, remoteness, and natural integrity of this unit provide unparalleled opportunities for studies in natural history, mining history, geology, and ecology. Numerous caves and shelters throughout the area show signs of past inhabitation. This is evidenced by fire blackening, carved pieces of bone, shards and points, and other indicators. It is almost certain that ancient peoples lived within these lands.

This area is also an excellent sage grouse habitat. Plentiful sage and water combine to form a nearly perfect environment. Sagebrush is prolific throughout the area, and numerous springs exist throughout these mountains, especially in the Goshute Canyon Additions. Several grouse were spotted within these lands at the time of inventory. (See the Mountain Lion Springs Complex Overview document included with this report for more details supplemental values within this unit.)

Friends of Nevada Wilderness (FNW)
Citizen-Submitted Wilderness Characteristics Inventory Information

CITIZEN NAME: Goshute Canyon Additions

BLM UNIT NAME: Goshute Canyon (portion)

BLM UNIT NUMBER: NV-040-015B

Narrative documentation of how the Citizen-Submitted information substantially differs from the information in the BLM inventory of the area's wilderness characteristics (as per BLM Manual 6310; .06; B; 1; b; ii.)

The 2014 FNW Inventory looked at an area that all of Unit 015B. The only information from the BLM that Friends of Nevada Wilderness (FNW) could locate about the wilderness characteristics for this unit was in the BLM 1980 Wilderness Study Area Decisions. This BLM information document is summarized below.

SUMMARY OF BLM 1980 WILDERNESS STUDY AREAS DECISIONS

UNIT NUMBER: NV-040-015B

UNIT NAME: Goshute Canyon [subunit]

AREA DESCRIPTION: The unit is in the northern and central end of the Cherry Creek Range. The topography ranges from the rugged mountains and foothills of the Cherry Creek Range to relatively flat portions of Butte and Steptoe Valleys. Major vegetative types range from white fir, bristlecone pine, mountain mahogany, and pinyon-juniper on the higher elevations to cottonwood, willow, and sagebrush in the canyons and valley portions. The Goshute Canyon Natural Area, established by Executive Order in 1970, is within the inventory unit.

CHARACTERISTICS INVENTORIED:

1. Size: The unit contains 190,680 acres of public land.

2. Naturalness: The unnatural portions, containing many roads, ways, water tanks, developed springs, corrals, and other intrusions related to ranching and mining activities, total 64,720 acres. The remaining 125,960 acres are substantially natural and are divided into five natural portions (NV-040-015 of 35,100 acres, NV-Q40-015B of 64,000 acres [the Goshute Canyon Wilderness Additions are a portion of this unit], NV-040-015C of 16,460 acres, NV-040-015D and NV-040-015E of 5,200 acres each).

3. Outstanding Opportunities for:

A. Solitude: In subunit 015, physical characteristics such as size, screening, and configuration combine to provide outstanding opportunities for solitude. In the remaining subunits, these characteristics do not support an evaluation of outstanding solitude.

B. A Primitive and Unconfined Type of Recreation: In subunit 015, good to excellent opportunities for nature study, hunting, photography, rock climbing, hiking, winter sports, and spelunking are all possible. Considered together the quality and diversity of primitive and unconfined recreation are outstanding in this subunit. In the remaining subunits, opportunities for other activities range from good to poor, but none could be considered of outstanding quality or diversity.

4. Supplemental Values: Archaeological, natural, and geological values were noted in the area. The Goshute Canyon Natural Area is also within the unit. This natural area is under special management guidelines to protect an endangered fish species.

Friends of Nevada Wilderness (FNW)
Citizen-Submitted Wilderness Characteristics Inventory Information

5. Rehabilitation: An unauthorized access route was bladed by a mining company into subunit NV-040-015 in violation of the Bureau's Interim Management Policy for wilderness. The Bureau will take steps to rehabilitate the area to its natural condition by whatever means necessary.

ORIGINAL RECOMMENDATION:

31,000 acres are recommended for Wilderness Study Area status.

159,680 acres should be dropped from further wilderness consideration,

SUMMARY OF PUBLIC COMMENTS: BLM received 16 specific comments on this unit.

Four comments suggested a boundary change. Most mentioned natural condition and outstanding opportunities. Many comments noted intrusions and lack of outstanding opportunities. Two comments stated the unit lacks wilderness criteria. A substantial number noted supplemental values and other resource values. Also received were 2,326 general comments stating the unit meets the wilderness criteria.

FINAL DECISION:

35,100 acres are designated as a Wilderness Study Area.

155,580 acres are dropped from further wilderness consideration.

RATIONALE FOR DECISION: Even though public comments were received both supporting and opposing WSA designation, the evidence available to the Bureau indicates that a portion of the area does possess the necessary criteria for WSA designation. The portion eliminated from WSA consideration was found not to possess the necessary criteria for WSA designation.

FNW FINDINGS for NV-050-0304

CHARACTERISTICS INVENTORIED:

1. Size: The BLM 1980 Wilderness Study Areas Decisions documented Unit 015B as being 64,000 acres, the portion describe as the Goshute Canyon Wilderness Additions are as a 2,100 acre portion of the 015B unit, which is contiguous with the Goshute Canyon Wilderness and separated from the remainder of the 015B by a route. The 2014 FNW Inventory describes this roadless area as 2,000 acres. (See Appendix C: Route Analysis and GIS data for more information on routes and boundaries.) FNW also discovered that the boundary between subunits 015 and 015B is arbitrary and capricious and is based on nothing more that the administrative boundary between the Elko and Ely district office jurisdictions. Current guidelines from Manual 6310 state that boundaries *"should be determined largely on the basis of wilderness inventory roads and naturalness."*

2. Naturalness: The BLM 1980 Wilderness Study Areas Decisions, under Category (2) [Does the area appear to be natural?] the report states: *"(t)he remaining 125,960 acres are substantially natural."* [This includes all 64,000 acres of unit 015B.] The FNW 2014 inventory concurs with this evaluation of the unit.

3. Outstanding Opportunities for:

Goshute Canyon Additions Differs-2

Friends of Nevada Wilderness (FNW)
Citizen-Submitted Wilderness Characteristics Inventory Information

A. Solitude: The BLM 1980 Wilderness Study Areas Decisions stated for unit 015B that although the *"In the remaining subunits, these characteristics do not support an evaluation of outstanding solitude."* The 2014 FNW inventory of this unit found multiple outstanding opportunities for solitude throughout the unit. The 2,000-acre Goshute Canyon Wilderness Additions unit includes incredibly steep terrain, rugged canyons and heavy vegetation, all of which contribute to outstanding opportunities for solitude. The basis for this FNW finding of solitude is included within the Wilderness Characteristics Form 2 provided with the FNW Inventory of this unit. The FNW inventory based these findings for solitude on the current BLM Manual 6310 guidelines. Two of the more significant changes in these current guidelines since the initial decisions were made are: *"[o]utstanding opportunities for solitude can be found in areas lacking vegetation or topographic screening;"* and *"[a]n area can have wilderness characteristics even though every acre within the area may not meet all the criteria. The boundary should be determined largely on the basis of wilderness inventory roads and naturalness rather than being constricted on the basis of opportunity for solitude or primitive and unconfined recreation."* Additionally the entire southern boundary is contiguous with Goshute Canyon Designated Wilderness. Several BLM offices within the state of Nevada have found that since *"opportunities for solitude do not stop at the administrative boundary"* [in this case the boundary between the Elko and Ely district offices], contiguous areas meeting the naturalness criteria also meet the outstanding opportunities for solitude by nature of being contiguous with an area recognized as possessing the attributes of solitude. (See Wilderness Characteristics Form 2 provided with the FNW Inventory of this unit for more information about the outstanding opportunities for solitude of this unit.)

B. Primitive and Unconfined Type of Recreation: The BLM 1980 Wilderness Study Areas Decisions stated for subunits 015 & 015B that *"(i)n subunit 015, good to excellent opportunities for nature study, hunting, photography, rock climbing, hiking, winter sports, and spelunking are all possible. Considered together the quality and diversity of primitive and unconfined recreation are outstanding in this subunit. In the remaining subunits [including 015B], opportunities for other activities range from good to poor, but none could be considered of outstanding quality or diversity."* This is a preposterous statement inferring that the recreational opportunities within the same mountain range degenerate from *"outstanding"* to *"good to poor"* at the point where the range crosses a BLM district office administrative boundary. The 2014 FNW inventor found that the outstanding opportunities for primitive recreational opportunities described for the 015 sub unit, can also be found in the 015B sub unit. The basis for these findings of primitive and unconfined type of recreation is included within the Wilderness Characteristics Form 2 provided with the FNW Inventory of this unit. The FNW inventory based these findings for primitive and unconfined type of recreation on the current BLM Manual 6310 guidelines.

FNW is providing the BLM with New Information about Unit NV-040-015B:

The wilderness characteristics generated from the FNW 2014 Inventory for the unit substantially differ from the information in the BLM 1980 Wilderness Study Areas Decisions. Under current 6310 guidelines, FNW recommends that this unit should be re-considered for LWC status.

