

From: [Neff, Brandon D](#)
To: [Dale Lamborn](#)
Subject: Re: [EXTERNAL]
Date: Wednesday, December 20, 2023 12:02:20 PM
Attachments: [GrazingSchedule 4130-001.pdf](#)

Hello Dale,

To answer your questions:

We have not sent out this years invoice yet. Our range clerk that was to work on it has not been able to get it out yet. I will go ahead and finish it today, so we can get it out the door by tomorrow, I will have it mailed to Bart and Patti's PO Box in Randolph.

Yes, we will need a grazing schedule filled out for Dan's sheep with dates and numbers. I'll attach a Grazing Schedule form to this email in case you don't have one.

Yes we are still on to meet at the Randolph Field Station on February 22, 2024 @ 10am.

Merry Christmas to you too!

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Dale Lamborn <dlamborn@richschool.org>
Sent: Tuesday, December 19, 2023 5:47 PM
To: Neff, Brandon D <bneff@blm.gov>
Subject: [EXTERNAL]

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Brandon:

A couple of questions for you:

1. Have you sent the invoice for us to pay-- I may have missed it, but Patti doesn't remember getting it and neither do I .

2. Do we need to do any paperwork to make us legal for Dan's sheep for the winter usage? We have done the one-year submittal in the past.

We are still planning to meet on February 22 with Mike and the others. Is that still on for you?

Merry Christmas.

(Form 4130-1)

TERMS AND CONDITIONS

(See 43 CFR 4100)

1. Grazing permit or lease terms and conditions and the fees charged for grazing use are established in accordance with all the provisions of the grazing regulations now or hereafter approved by the Secretary of the Interior.
2. They are subject to cancellation, in whole or in part, at any time because of:
 - a. Noncompliance by the permittee/lessee with rules and regulations.
 - b. Loss of control by the permittee/lessee of all or a part of the property upon which it is based.
 - c. A transfer of grazing preference by the permittee/lessee to another party.
 - d. A decrease in the lands administered by the Bureau of Land Management within the allotment(s) described.
 - e. Repeated willful unauthorized grazing use.
3. They are subject to the terms and conditions of allotment management plans if such plans have been prepared. Allotment management plans must be incorporated in permits or leases when completed.
4. Those holding permits or leases must own or control and be responsible for the management of livestock authorized to graze.
5. The BLM may require counting and/or additional or special marking or tagging of the livestock authorized to graze.
6. The permittee's/lessee's grazing case file is available for public inspection as required by the Freedom of Information Act.
7. Grazing permits or leases are subject to the nondiscrimination clauses set forth in Executive Order 11246 of September 24, 1964, as amended. A copy of this order may be obtained from the BLM.
8. Livestock grazing use that is different from that authorized by a permit or lease must be applied for prior to the grazing period and must be filed with and approved by the BLM before grazing use can be made.
9. Billing notices are issued which specify fees due. Billing notices, when paid, become a part of the grazing permit or lease. Grazing use cannot be authorized during any period of delinquency in the payment of amounts due, including settlement for unauthorized use.
10. The holder of this authorization must notify the authorized officer immediately upon the discovery of human remains, funerary objects, sacred objects, or objects of cultural patrimony (cultural items), stop the activity in the area of the discovery and make a reasonable effort to protect the remains and/or cultural items.
11. Grazing fee payments are due on the date specified on the billing notice and must be paid in full within 15 days of the due date, except as otherwise provided in the grazing permit or lease. If payment is not made within that time frame, a late fee (the greater of \$25 or 10 percent of the amount owed but not more than \$250) will be assessed.
12. Members of Congress may not enter into a grazing permit or lease. 41 U.S.C. 6306 (2014). Further, no officer, agent, or employee of the Department of the Interior, other than members of Advisory committees appointed in accordance with the Federal Advisory Committee Act (5 U.S.C. App. 1) and Sections 309 of the Federal Land Policy and Management Act of 1976 (42 U.S.C. 1701 et. seq.) shall be admitted to any share or part in a permit or lease for grazing or derive any benefit to arise from a permit or lease for grazing.

NOTICES

The Privacy Act and 43 CFR 2.48(d) require that you be furnished with the following information in connection with information requested by this form.

AUTHORITY: 43 U.S.C. 315b, 315m, 1181d, 1732, 1752, and 1903, and 43 CFR part 4100.

PRINCIPAL PURPOSE: The BLM will use the information you provide to process your application to graze livestock or request a change in grazing use on the public lands.

ROUTINE USES: In accordance with the Bureau of Land Management's (BLM) System of Records Notice published in the Federal Register on December 29, 2010 [Bureau of Land Management's Range Management System—Interior, LLM-2; Notice To Amend an Existing System of Records; Privacy Act of 1974; as Amended], names and addresses provided by the applicant on this form will be publically available in reports on the BLM public website.

EFFECT OF NOT PROVIDING INFORMATION: Disclosure of the information is required to obtain or retain a benefit. Failure to submit all of the requested information or to complete this form may result in delay or the rejection and/or denial of your application.

The Paperwork Reduction Act requires that you be furnished with the following information in connection with the information requested by this form: BLM collects this information to authorize livestock grazing on public lands. Response to this request is required in order to obtain or retain a benefit. You do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 15 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to: U.S. Department of the Interior, Bureau of Land Management (1004-0041), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Room 2134LM, Washington, D.C. 20240.

From: [Neff, Brandon D](#)
To: [Patricia Argyle](#)
Subject: Re: [EXTERNAL] Actual use reports
Date: Thursday, November 9, 2023 11:55:10 AM

Hi Patti,

Don't panic! Everything looks good that I can tell, and I know you are tasked with doing a lot of interpretation and compiling of all the move dates that get turned in to you. I know that you do your best in filling out the Actual Use on Three Creeks. I appreciate you getting this to me. I will calculate the use and get a bill sent out in the coming days.

Thank You

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Patricia Argyle <bartnpattiargyle@gmail.com>
Sent: Wednesday, November 8, 2023 2:43 PM
To: Neff, Brandon D <bneff@blm.gov>
Subject: [EXTERNAL] Actual use reports

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Brandon here they are the forms. I've had a lot of permittees give me lots of numbers and dates. I would have to write a whole book to do each separate. So I've done the best I could. Of course you know they open the gates on the days they're supposed to and it takes a few days to get it cleaned up. I just panic because I want it right. let me know if there's something i should do different.
thanks Patti

From: [Neff, Brandon D](#)
To: [Patricia Argyle](#)
Subject: Re: [EXTERNAL] Actual use reports
Date: Thursday, November 9, 2023 11:55:10 AM

Hi Patti,

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Thank You

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Patricia Argyle <bartnpattiargyle@gmail.com>
Sent: Wednesday, November 8, 2023 2:43 PM
To: Neff, Brandon D <bneff@blm.gov>
Subject: [EXTERNAL] Actual use reports

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Brandon here they are the forms. I've had a lot of permittees give me lots of numbers and dates. I would have to write a whole book to do each separate. So I've done the best I could. Of course you know they open the gates on the days they're supposed to and it takes a few days to get it cleaned up. I just panic because I want it right. let me know if there's something i should do different.
thanks Patti

From: [Williams, Nancy N](#)
To: [Neff, Brandon D](#)
Subject: Re: [EXTERNAL] All pipe sucker rod fence
Date: Tuesday, June 20, 2023 3:04:12 PM

Cool....thanks!

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, June 20, 2023 3:00 PM
To: Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: [EXTERNAL] All pipe sucker rod fence

Yes, I believe so. See Chancey's email below, he says:

Brandon,

I've attached some pictures of the sucker rod fence we've done. This is a location with lots of pressure, in a corral - so we would do your fence different, we'd have the sucker rod spaced with the wildlife friendly spacing and it'd be 42 inches tall.

To do a top rail at 42" and then three sucker rod spaced below that would be about \$21.92 per foot. That's for labor and all material.

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
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From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Tuesday, June 20, 2023 2:56 PM
To: Neff, Brandon D <bneff@blm.gov>
Subject: Re: [EXTERNAL] All pipe sucker rod fence

Could we cut down on the number of "rails" and change the spacing? It doesn't look too

pronghorn friendly.

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, June 20, 2023 10:45 AM
To: Williams, Nancy N <nwilliam@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>
Cc: Davis, Jordan R <jordandavis@blm.gov>; Puttere, Jennifer M <jputtere@blm.gov>
Subject: Fw: [EXTERNAL] All pipe sucker rod fence

Hello,

I am forwarding this email from Chancey Hoffman to you two, it explains what sucker and rod fence is and the pricing on it. This is the type of fence I would like to propose we replace the old exclosure fencing with in RC. Chancey told me we could modify the fencing/spacing in order to meet our needs in accordance with wildlife. He said this fence is nearly indestructible and in fact the Wyoming BLM has been using it on some of their stuff lately. Also, it is cheaper than I had originally figured for. Attached are pictures of the fencing from Chancey.

Thank You

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: bandcfencing.utah@yahoo.com <bandcfencing.utah@yahoo.com>
Sent: Monday, June 19, 2023 9:13 PM
To: Neff, Brandon D <bneff@blm.gov>
Subject: [EXTERNAL] All pipe sucker rod fence

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Brandon,

I've attached some pictures of the sucker rod fence we've done. This is a location with lots of pressure, in a corral - so we would do your fence different, we'd have the sucker rod spaced with the wildlife friendly spacing and it'd be 42 inches tall.

To do a top rail at 42" and then three sucker rod spaced below that would be about \$21.92 per foot. That's for labor and all material.

Chancey

From: [Chante Lundskog](#)
To: [Jencso, Emily D](#)
Cc: [Rose, Marcus F](#); [Mallon, Cassie D](#)
Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek
Date: Friday, June 9, 2023 11:13:38 AM

I didn't attach the pictures.



On Fri, Jun 9, 2023 at 11:00 AM Chante Lundskog <clundskog@utah.gov> wrote:
Lower Rocky Pass, Keg Spring, Cluster Spring, and I believe Red Knolls all have a cattail problem (see attached pictures from this week, minus Red Knolls).

I know Cassie and I chatted about this in the email thread, but just throwing it out there for everyone.

In some cases (e.g., Keg Spring & Lower Rocky Pass) a burn would be very beneficial; large portions of these ponds are primarily dead cattails that need to be removed. While in other cases, spraying may be the most viable option I just need to do some research to ensure that it will not harm the amphibians present (I believe Chance has done some research thus far and there aren't any dire consequences to fish health).

Thanks for the help everyone, and see you in a few weeks.

On Fri, Jun 9, 2023 at 10:23 AM Chante Lundskog <clundskog@utah.gov> wrote:
The 20th works for me as well. Thanks.

On Thu, Jun 8, 2023 at 3:35 PM Jencso, Emily D <ejencso@blm.gov> wrote:
I would like to be back NLT 5.

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Rose, Marcus F <mrose@blm.gov>

Sent: Thursday, June 8, 2023 2:58 PM
To: Jencso, Emily D <ejencso@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>
Cc: Chante Lundskog <clundskog@utah.gov>
Subject: RE: [EXTERNAL] Cattails LC/BT sites Grouse Creek

The 20th works for me as long as we can make it back to the office by around 6:00.

Thanks,

Marcus Rose
Rangeland Management Specialist
Bureau of Land Management
Salt Lake Field Office
Office: 801-320-8352
Cell: 385-600-1049

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Thursday, June 8, 2023 2:44 PM
To: Mellon, Cassie D <cmellon@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Chante Lundskog <clundskog@utah.gov>
Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek

The 20th works for me. Marcus and Chante?

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

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491 N John Glenn Road
Salt Lake City, UT 84116

From: Mellon, Cassie D <cmellon@blm.gov>
Sent: Thursday, June 8, 2023 8:41 AM
To: Jencso, Emily D <ejencso@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Chante Lundskog <clundskog@utah.gov>
Subject: RE: [EXTERNAL] Cattails LC/BT sites Grouse Creek

I could go out sometime the week of June 20, the 28th or 29th.

Cassie Mellon
Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Thursday, June 8, 2023 8:29 AM
To: Mellon, Cassie D <cmellon@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Chante Lundskog <clundskog@utah.gov>
Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek

Chante and Cassie

Let's schedule a site visit. I can start the NEPA this summer. Hopefully we could do it under a CX. A site visit would help me wrap my mind around the project.

Best,
Em

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Mellon, Cassie D <cmellon@blm.gov>
Sent: Wednesday, June 7, 2023 3:53 PM
To: Jencso, Emily D <ejencso@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Chante Lundskog <clundskog@utah.gov>
Subject: FW: [EXTERNAL] Cattails LC/BT sites Grouse Creek

Emily and Marcus, see the email between me and Chante below. Chante is the native aquatics biologist for UDWR northern region. She was asking me about options for dealing with some of the build-up of cattails in some of the sites in west Box Elder (Keg allotment) where we have least chub and boreal toad populations. I shared some initial thoughts but wanted to connect you all since it's a field office decision on what the best option might be.

Chante, Emily is our wildlife biologist who covers the west half of the field office and Marus is the range specialist who covers west Box Elder.

I'm not sure how familiar either of you are with these sites, I'd be happy to go out there with you all to show you and look at some of these things together as well if that would be helpful.

Cassie Mellon
Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Chante Lundskog <clundskog@utah.gov>
Sent: Wednesday, June 7, 2023 3:38 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek

That would be great if you could connect me with them. I am sure you already have a thousand times already, so sorry about that. I don't think we had our regular BLM meeting this past spring like we usually do.

On Wed, Jun 7, 2023 at 3:35 PM Mellon, Cassie D <cmellon@blm.gov> wrote:

We would want to talk with the field office, but any of those actions would require NEPA and/or some coordination with the field office specialists

The spraying would be the easiest since that is covered under a programmatic weeds EA and would just be a coordination effort. Dredging I think we've done as a maintenance activity before so that also wouldn't be too difficult, the challenge there is coming up with funds for the equipment. A burn we would likely need to do a new NEPA process for so that would take more time to go through that process.

Did your office have a coordination meeting with the BLM Salt Lake Field office yet this year? It's usually in the spring and would be one place where you could bring up those ideas and get some feedback from them. If that already happened, I think the range specialist and wildlife bio would be good places to start. I can get you in touch with them if you'd like.

Cassie Mellon
Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Chante Lundskog <clundskog@utah.gov>
Sent: Wednesday, June 7, 2023 3:27 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek

I am wondering (if permitted through BLM) if it would be plausible to burn and spray at these sites perhaps once a year for the next couple of years to see if that would help deter some of the cattail growth. I would need to do some more research about spraying obviously because we wouldn't want to harm any inhabitants of the ponds, but I think a burn would be a viable option especially for Keg Springs since a lot of those cattails are dead and there appears to be a thin layer of new growth towards the center of the pond.

Also, if we timed when we did spray we may be able to prevent harm to any inhabitants in the event it is early spring/late summer.

On Wed, Jun 7, 2023 at 3:07 PM Mellon, Cassie D <cmellon@blm.gov> wrote:

I think with all of those sites there's been periodic dredging – by hand at Cluster and w/ equipment at the others to remove some of the vegetation build up. That's part of the challenge with these artificial and small sites that don't have any disturbance. We did do a prescribed burn out at Gandy Marsh which was pretty successful in re-establishing open water habitat. Cattails weren't the main problem there so I don't know if fire would be as effective on cattails and it also would not be a one-time fix. I think Chance was considering some chemical treatment at Pilot Pond, but we didn't try it and I don't recall if that was something he was considering only if the fish were being salvaged first.

Cassie Mellon

Fisheries and Riparian Program Lead

BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Chante Lundskog <clundskog@utah.gov>
Sent: Wednesday, June 7, 2023 2:40 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Subject: [EXTERNAL] Cattails LC/BT sites Grouse Creek

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Sorry for another email, but quick question - is there anything we can do about cattails? I am slightly concerned about our cattail encroachment at the LC/BT sites in the Grouse Creek area.

Keg Springs, Lower Rocky Pass, and Cluster Springs are looking quite overgrown (at least the worst I've ever seen these sites), and I am worried they may completely overrun these shallow ponds.

Let me know your thoughts, and I can also send some pictures.

--

Chanté Lundskog

Native Aquatic Biologist

M: (385) 333-2560

E: clundskog@utah.gov

Utah Department of Natural Resources

Division of Wildlife Resources

wildlife.utah.gov

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--

Chanté Lundskog

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Chanté Lundslog
Native Aquatic Biologist
M: (385) 333-2560
E: clundslog@utah.gov

Utah Department of Natural Resources
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From: [Mellon, Cassie D](#)
To: [Chante Lundskog](#); [Rose, Marcus F](#)
Cc: [Jencso, Emily D](#)
Subject: RE: [EXTERNAL] Cattails LC/BT sites Grouse Creek
Date: Wednesday, June 14, 2023 3:07:05 PM

Sounds good. See you at Keg at 10.

Cassie Mellon
Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Chante Lundskog <clundskog@utah.gov>
Sent: Wednesday, June 14, 2023 1:53 PM
To: Rose, Marcus F <mrose@blm.gov>
Cc: Mellon, Cassie D <cmellon@blm.gov>; Jencso, Emily D <ejencso@blm.gov>
Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek

Let's meet at Keg Springs at 10 am? I think that gives everyone adequate time to get there from where we will all be coming from.

On Wed, Jun 14, 2023 at 1:25 PM Rose, Marcus F <mrose@blm.gov> wrote:

That all sounds good to me!

Marcus Rose
Rangeland Management Specialist
Bureau of Land Management
Salt Lake Field Office
Office: 801-320-8352
Cell: 385-600-1049

From: Mellon, Cassie D <cmellon@blm.gov>
Sent: Wednesday, June 14, 2023 1:11 PM
To: Jencso, Emily D <ejencso@blm.gov>; Chante Lundskog <clundskog@utah.gov>
Cc: Rose, Marcus F <mrose@blm.gov>
Subject: RE: [EXTERNAL] Cattails LC/BT sites Grouse Creek

I am happy to have 15 minutes more of sleep. Let's do 6:45

Cassie Mellon

Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Wednesday, June 14, 2023 1:05 PM
To: Mellon, Cassie D <cmellon@blm.gov>; Chante Lundskog <clundskog@utah.gov>
Cc: Rose, Marcus F <mrose@blm.gov>
Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek

Good call Cassie. I should be able to make 630 work. 645 would be better for me so I nurse the lil dude before leaving the house. Would that be ok with folks? So meeting at the intersection at 945. We could take your old truck Cassie, unless Nancy let's us borrow hers.

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Mellon, Cassie D <cmellon@blm.gov>
Sent: Wednesday, June 14, 2023 11:24 AM
To: Chante Lundskog <clundskog@utah.gov>; Jencso, Emily D <ejencso@blm.gov>
Cc: Rose, Marcus F <mrose@blm.gov>
Subject: RE: [EXTERNAL] Cattails LC/BT sites Grouse Creek

Just wanted to see when and where we should plan on meeting Tuesday. Emily, your calendar invite has 6:30. Can I get a ride with you and Marcus from the field office? I can be there and ready to go by then. Chante, I'm assuming it doesn't make sense to carpool since you're coming from Ogden. I was thinking it might be easiest to meet at the HWY 30, Grouse Creek Road intersection. If we do leave at 6:30 we would be there by 9:30.

Open to other suggestions, just putting something out there so we have a plan before the end of the week since Monday is a holiday for us.

Thanks

Cassie Mellon

Fisheries and Riparian Program Lead

BLM Utah

801-539-4073 (office)

385-443-1621 (cell)

cmellon@blm.gov

From: Chante Lundskog <clundskog@utah.gov>

Sent: Friday, June 9, 2023 11:01 AM

To: Jencso, Emily D <ejencso@blm.gov>

Cc: Rose, Marcus F <mrose@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>

Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek

Lower Rocky Pass, Keg Spring, Cluster Spring, and I believe Red Knolls all have a cattail problem (see attached pictures from this week, minus Red Knolls).

I know Cassie and I chatted about this in the email thread, but just throwing it out there for everyone.

In some cases (e.g., Keg Spring & Lower Rocky Pass) a burn would be very beneficial; large portions of these ponds are primarily dead cattails that need to be removed. While in other cases, spraying may be the most viable option I just need to do some research to ensure that it will not harm the amphibians present (I believe Chance has done some research thus far and there aren't any dire consequences to fish health).

Thanks for the help everyone, and see you in a few weeks.

On Fri, Jun 9, 2023 at 10:23 AM Chante Lundskog <clundskog@utah.gov> wrote:

The 20th works for me as well. Thanks.

On Thu, Jun 8, 2023 at 3:35 PM Jencso, Emily D <ejencso@blm.gov> wrote:

I would like to be back NLT 5.

Emily Jencso

SLFO Wildlife Biologist CWB®

Cell: (801) 599-0954

Office: 801-320-8300

Salt Lake Field Office BLM

**491 N John Glenn Road
Salt Lake City, UT 84116**

From: Rose, Marcus F <mrose@blm.gov>

Sent: Thursday, June 8, 2023 2:58 PM

To: Jencso, Emily D <ejencso@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>

Cc: Chante Lundskog <clundskog@utah.gov>

Subject: RE: [EXTERNAL] Cattails LC/BT sites Grouse Creek

The 20th works for me as long as we can make it back to the office by around 6:00.

Thanks,

Marcus Rose

Rangeland Management Specialist

Bureau of Land Management

Salt Lake Field Office

Office: 801-320-8352

Cell: 385-600-1049

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Thursday, June 8, 2023 2:44 PM
To: Mellon, Cassie D <cmellon@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Chante Lundskog <clundskog@utah.gov>
Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek

The 20th works for me. Marcus and Chante?

Emily Jencso

SLFO Wildlife Biologist CWB®

Cell: (801) 599-0954

Office: 801-320-8300

Salt Lake Field Office BLM

491 N John Glenn Road
Salt Lake City, UT 84116

From: Mellon, Cassie D <cmellon@blm.gov>
Sent: Thursday, June 8, 2023 8:41 AM
To: Jencso, Emily D <ejencso@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Chante Lundskog <clundskog@utah.gov>
Subject: RE: [EXTERNAL] Cattails LC/BT sites Grouse Creek

I could go out sometime the week of June 20, the 28th or 29th.

Cassie Mellon

Fisheries and Riparian Program Lead

BLM Utah

801-539-4073 (office)

385-443-1621 (cell)

cmellon@blm.gov

From: Jencso, Emily D <ejencso@blm.gov>

Sent: Thursday, June 8, 2023 8:29 AM

To: Mellon, Cassie D <cmellon@blm.gov>; Rose, Marcus F <mrose@blm.gov>

Cc: Chante Lundskog <clundskog@utah.gov>

Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek

Chante and Cassie

Let's schedule a site visit. I can start the NEPA this summer. Hopefully we could do it under a CX. A site visit would help me wrap my mind around the project.

Best,
Em

Emily Jencso

SLFO Wildlife Biologist CWB®

Cell: (801) 599-0954

Office: 801-320-8300

Salt Lake Field Office BLM

**491 N John Glenn Road
Salt Lake City, UT 84116**

From: Mellon, Cassie D <cmellon@blm.gov>

Sent: Wednesday, June 7, 2023 3:53 PM
To: Jencso, Emily D <ejencso@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Chante Lundskog <clundskog@utah.gov>
Subject: FW: [EXTERNAL] Cattails LC/BT sites Grouse Creek

Emily and Marcus, see the email between me and Chante below. Chante is the native aquatics biologist for UDWR northern region. She was asking me about options for dealing with some of the build-up of cattails in some of the sites in west Box Elder (Keg allotment) where we have least chub and boreal toad populations. I shared some initial thoughts but wanted to connect you all since it's a field office decision on what the best option might be.

Chante, Emily is our wildlife biologist who covers the west half of the field office and Marus is the range specialist who covers west Box Elder.

I'm not sure how familiar either of you are with these sites, I'd be happy to go out there with you all to show you and look at some of these things together as well if that would be helpful.

Cassie Mellon

Fisheries and Riparian Program Lead

BLM Utah

801-539-4073 (office)

385-443-1621 (cell)

cmellon@blm.gov

From: Chante Lundskog <clundskog@utah.gov>
Sent: Wednesday, June 7, 2023 3:38 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek

That would be great if you could connect me with them. I am sure you already

have a thousand times already, so sorry about that. I don't think we had our regular BLM meeting this past spring like we usually do.

On Wed, Jun 7, 2023 at 3:35 PM Mellon, Cassie D <cmellon@blm.gov> wrote:

We would want to talk with the field office, but any of those actions would require NEPA and/or some coordination with the field office specialists

The spraying would be the easiest since that is covered under a programmatic weeds EA and would just be a coordination effort. Dredging I think we've done as a maintenance activity before so that also wouldn't be too difficult, the challenge there is coming up with funds for the equipment. A burn we would likely need to do a new NEPA process for so that would take more time to go through that process.

Did your office have a coordination meeting with the BLM Salt Lake Field office yet this year? It's usually in the spring and would be one place where you could bring up those ideas and get some feedback from them. If that already happened, I think the range specialist and wildlife bio would be good places to start. I can get you in touch with them if you'd like.

Cassie Mellon

Fisheries and Riparian Program Lead

BLM Utah

801-539-4073 (office)

385-443-1621 (cell)

cmellon@blm.gov

From: Chante Lundskog <clundskog@utah.gov>

Sent: Wednesday, June 7, 2023 3:27 PM

To: Mellon, Cassie D <cmellon@blm.gov>

Subject: Re: [EXTERNAL] Cattails LC/BT sites Grouse Creek

I am wondering (if permitted through BLM) if it would be plausible to burn and spray at these sites perhaps once a year for the next couple of years to see if that would help deter some of the cattail growth. I would need to do some more research about spraying obviously because we wouldn't want to

harm any inhabitants of the ponds, but I think a burn would be a viable option especially for Keg Springs since a lot of those cattails are dead and there appears to be a thin layer of new growth towards the center of the pond.

Also, if we timed when we did spray we may be able to prevent harm to any inhabitants in the event it is early spring/late summer.

On Wed, Jun 7, 2023 at 3:07 PM Mellon, Cassie D <cmellon@blm.gov> wrote:

I think with all of those sites there's been periodic dredging – by hand at Cluster and w/ equipment at the others to remove some of the vegetation build up. That's part of the challenge with these artificial and small sites that don't have any disturbance. We did do a prescribed burn out at Gandy Marsh which was pretty successful in re-establishing open water habitat. Cattails weren't the main problem there so I don't know if fire would be as effective on cattails and it also would not be a one-time fix. I think Chance was considering some chemical treatment at Pilot Pond, but we didn't try it and I don't recall if that was something he was considering only if the fish were being salvaged first.

Cassie Mellon

Fisheries and Riparian Program Lead

BLM Utah

801-539-4073 (office)

385-443-1621 (cell)

cmellon@blm.gov

From: Chante Lundskog <clundskog@utah.gov>

Sent: Wednesday, June 7, 2023 2:40 PM

To: Mellon, Cassie D <cmellon@blm.gov>

Subject: [EXTERNAL] Cattails LC/BT sites Grouse Creek

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Sorry for another email, but quick question - is there anything we can do about cattails? I am slightly concerned about our cattail encroachment at the LC/BT sites in the Grouse Creek area.

Keg Springs, Lower Rocky Pass, and Cluster Springs are looking quite overgrown (at least the worst I've ever seen these sites), and I am worried they may completely overrun these shallow ponds.

Let me know your thoughts, and I can also send some pictures.

--

Chanté Lundskog

Native Aquatic Biologist

M: (385) 333-2560

E: clundskog@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources

_____|_____|_____|_____|

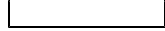
wildlife.utah.gov

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--

Chanté Lundskog
Native Aquatic Biologist

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From: [Helmick, Darcy](#)
To: [Rose, Marcus F](#)
Cc: [Satterwhite, Lori](#)
Subject: RE: [EXTERNAL] data question
Date: Thursday, May 25, 2023 2:46:10 PM

Great thanks – looks like they might be working! Would be fun to go check them out!

From: Rose, Marcus F <mrose@blm.gov>
Sent: Thursday, May 25, 2023 2:42 PM
To: Helmick, Darcy <darcy.helmick@simplot.com>
Cc: Satterwhite, Lori <lori.satterwhite@simplot.com>
Subject: RE: [EXTERNAL] data question

Hi Darcy,

That is a good question. I don't have any other notes or the location for those. I will check with some of the people that did the PFC assessments on Red Butte to see if they know where that is and if they have any more information.

From: Helmick, Darcy <darcy.helmick@simplot.com>
Sent: Thursday, May 25, 2023 1:49 PM
To: Rose, Marcus F <mrose@blm.gov>
Cc: Satterwhite, Lori <lori.satterwhite@simplot.com>
Subject: [EXTERNAL] data question

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Hi Marcus,

I'm going through your data and had a question.

In the Red Butte Riparian folder, there are 3 pictures of what looks to be a small headcut project – where is that located and do you have any associated notes or write up about it?

Thank you!

Darcy Helmick
Land Manager
Simplot Land and Livestock
Office – 208-834-5152
Cell – 208-761-9378

From: [Rose, Marcus F](#)
To: [Mellon, Cassie D](#); [Davis, Jordan R](#); [Tucker, Dylan W](#)
Subject: RE: [EXTERNAL] data question
Date: Tuesday, May 30, 2023 7:45:00 AM

Thanks for getting back to me Dylan and Cassie! Was that spring included in the PFC assessment for upper North Bedke spring then?

From: Mellon, Cassie D <cmellon@blm.gov>
Sent: Friday, May 26, 2023 8:27 AM
To: Rose, Marcus F <mrose@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Tucker, Dylan W <dwtucker@blm.gov>
Subject: RE: [EXTERNAL] data question

Marcus I don't have access to the P drive so I can only see the picture you attached. That one is in the N Bedke area like Dylan mentioned, but that one is on a very small spring. The structure is not to prevent a head cut but it is something that Hugh Hurlow from UGS installed as a weir to measure discharge from the spring. He has a number of spring and groundwater monitoring sites set up in this area of West Box Elder as part of a study on the hydrologic response to juniper removal. I always have a hard time finding this site on the map but believe it is at the point I attached.

Cassie Mellon
Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Rose, Marcus F <mrose@blm.gov>
Sent: Thursday, May 25, 2023 3:36 PM
To: Davis, Jordan R <jordandavis@blm.gov>; Tucker, Dylan W <dwtucker@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>
Subject: FW: [EXTERNAL] data question

Hello,
Would any of you happen to know where this spring is in Red Butte allotment? There are three pictures showing what appears to be a small dam holding a headcut back near a spring. There are three pictures, but they were too large to send all of them in an email. They are saved in the Salt Lake NEPA folder P:\NEPA\EAs\FY23\WBE_Permit_Renewal\Data\Red Butte\Red Butte Riparian\2021. Since you three were part of the group doing PFC assessments on Red Butte in 2021, I figure I would test your minds to see if you remember anything about this.
Thanks!

Marcus

From: Helmick, Darcy <darcy.helmick@simplot.com>
Sent: Thursday, May 25, 2023 2:46 PM
To: Rose, Marcus F <mrose@blm.gov>
Cc: Satterwhite, Lori <lori.satterwhite@simplot.com>
Subject: RE: [EXTERNAL] data question

Great thanks – looks like they might be working! Would be fun to go check them out!

From: Rose, Marcus F <mrose@blm.gov>
Sent: Thursday, May 25, 2023 2:42 PM
To: Helmick, Darcy <darcy.helmick@simplot.com>
Cc: Satterwhite, Lori <lori.satterwhite@simplot.com>
Subject: RE: [EXTERNAL] data question

Hi Darcy,

That is a good question. I don't have any other notes or the location for those. I will check with some of the people that did the PFC assessments on Red Butte to see if they know where that is and if they have any more information.

From: Helmick, Darcy <darcy.helmick@simplot.com>
Sent: Thursday, May 25, 2023 1:49 PM
To: Rose, Marcus F <mrose@blm.gov>
Cc: Satterwhite, Lori <lori.satterwhite@simplot.com>
Subject: [EXTERNAL] data question

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Hi Marcus,

I'm going through your data and had a question.

In the Red Butte Riparian folder, there are 3 pictures of what looks to be a small headcut project – where is that located and do you have any associated notes or write up about it?

Thank you!

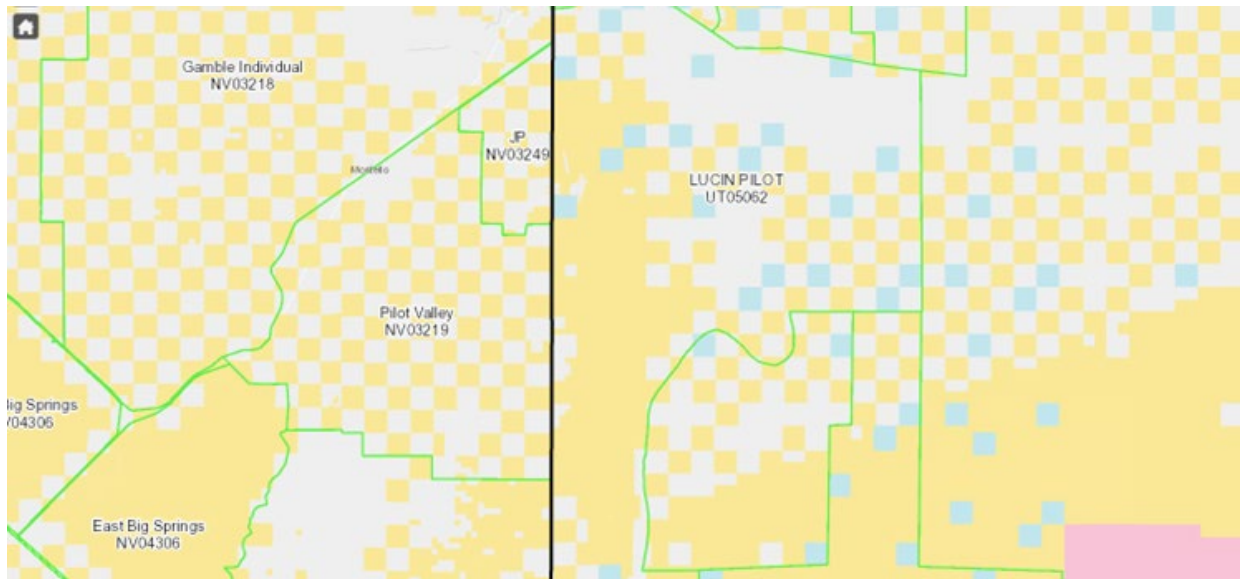
Darcy Helmick
Land Manager
Simplot Land and Livestock
Office – 208-834-5152
Cell – 208-761-9378

From: [Rose, Marcus F](#)
To: [Davis, Jordan R](#); [Mellon, Cassie D](#)
Subject: RE: [EXTERNAL] Fwd: Dead Cows in Springs
Date: Wednesday, June 7, 2023 5:04:00 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)

I haven't heard anything about this either.

From: Davis, Jordan R <jordandavis@blm.gov>
Sent: Wednesday, June 7, 2023 2:33 PM
To: Mellon, Cassie D <cmellon@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Subject: Re: [EXTERNAL] Fwd: Dead Cows in Springs

I haven't heard anything about this. It looks like a sad situation. It is difficult to really tell where they are but in the second photo it looks like the Grouse Creek Mtns in the foreground and the highway to Montello goes between the break in the mountain ranges which tells me they are on the NV side of the Pilots. The Lucin Pilot allotment doesn't extend into Nevada.



Jordan Davis

Assistant Field Manager

Salt Lake Field Office | Bureau of Land Management -Utah

p: (385) 278-3618

w: www.blm.gov

From: Mellon, Cassie D <cmellon@blm.gov>
Sent: Wednesday, June 7, 2023 1:55 PM
To: Davis, Jordan R <jordandavis@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Subject: FW: [EXTERNAL] Fwd: Dead Cows in Springs

Have either of you heard anything about this? Sounds like these are in Nevada but on the Utah side of the Pilots and very close to Utah. I'm thinking in UT this is the Pilot/Lucin allotment, right. Is that an allotment that extends into Nevada?

Cassie Mellon
Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Chante Lundskog <clundskog@utah.gov>
Sent: Wednesday, June 7, 2023 1:39 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Subject: [EXTERNAL] Fwd: Dead Cows in Springs

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Hey Cassie,

Eric Miskow NV sent me this email about a month ago (see pics attached). These sites are about 3 miles from Halls Meadow. Have there been any reports of dead cows on the Utah side? Also, would this area fall under one grazing allotment if it was grazed?

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

From: **Eric Miskow** <emiskow@heritage.nv.gov>
Date: Mon, May 8, 2023 at 3:45 PM
Subject: Re: Dead Cows in Springs
To: Chante Lundskog <clundskog@utah.gov>

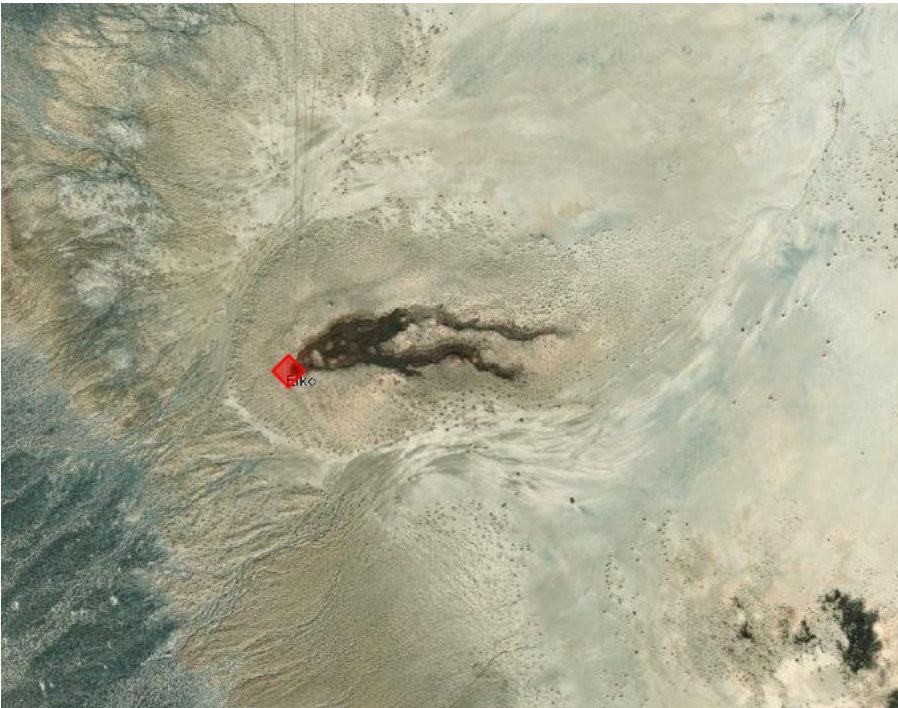
Hey Chante,

Check this out. These two "incidents" were found last week.....two springs near the NV/UT border....on the Bonneville drainage side of the Pilot Mtns. Springs at the "red diamonds"



Lat. 40.9247 Long. -114.0593

Second spring



Lat. 40.9082 Long. -114.0770

I have been out here before, a few years ago and these springs are pretty hammered, no snails. I found Pyrugs up slope on the Pilot's on the east side but nothing in the NV

springs below the road that skirts the lower slopes going north. The springs are a little over 1 km from the NV/UT border.

Seems like these cattle may have been poisoned perhaps. You know much about this area?

Hope all is well.

Cheers,

Eric

Eric Miskow
Aquatic Biologist/Data Manager
Nevada Division of Natural Heritage
Department of Conservation and Natural Resources
901 S. Stewart Street, Suite 5002
Carson City, NV 89701
emiskow@heritage.nv.gov
(O) 775-684-2905 | (C) 775-830-4311



"Counting fish is like counting trees,
except they are invisible and they keep moving."

John Shepherd

--

Chanté Lundskog
Native Aquatic Biologist

M: (385) 333-2560
E: clundskog@utah.gov

Utah Department of Natural Resources
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wildlife.utah.gov

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From: [Moore, Jeffrey D](#)
To: [Rose, Marcus F](#)
Subject: RE: [EXTERNAL] Fwd: Dead Cows in Springs
Date: Wednesday, June 28, 2023 7:57:25 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)

Thanks Marcus. Things are chaotic as always and seem to be getting more so.

We got an alert about the second spring, the one full of carcasses, from a science group out of one of the Utah universities that have been pulling core samples from it over the last year or two, I'm pretty certain based on my site visit that the cows were trying to take shelter from the wind during one of the big storms this past winter and simply could not get out, or possibly even got snowed over. Simplot pulled about 40 bodies from that spring three or so weeks ago and buried them on some private nearby. We did not get any other reports on that second spring until this, I'll pass that along. We had significant death loss of those operators with winter permits that got caught out on the range this year, some with losses upwards of 30%.

Hope all is well with you, and many thanks. Jeff.

From: Rose, Marcus F <mrose@blm.gov>
Sent: Wednesday, June 28, 2023 6:35 AM
To: Moore, Jeffrey D <j2moore@blm.gov>
Subject: FW: [EXTERNAL] Fwd: Dead Cows in Springs

Hello Jeff!

I hope all is well over there in Elko these days. I imagine you have seen these already, but I thought I would send them over to you just in case.

Thanks,
Marcus

From: Mellon, Cassie D <cmellon@blm.gov>
Sent: Wednesday, June 7, 2023 1:55 PM
To: Davis, Jordan R <jordandavis@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Subject: FW: [EXTERNAL] Fwd: Dead Cows in Springs

Have either of you heard anything about this? Sounds like these are in Nevada but on the Utah side of the Pilots and very close to Utah. I'm thinking in UT this is the Pilot/Lucin allotment, right. Is that an allotment that extends into Nevada?

Cassie Mellon
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Sent: Wednesday, June 7, 2023 1:39 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Subject: [EXTERNAL] Fwd: Dead Cows in Springs

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Hey Cassie,

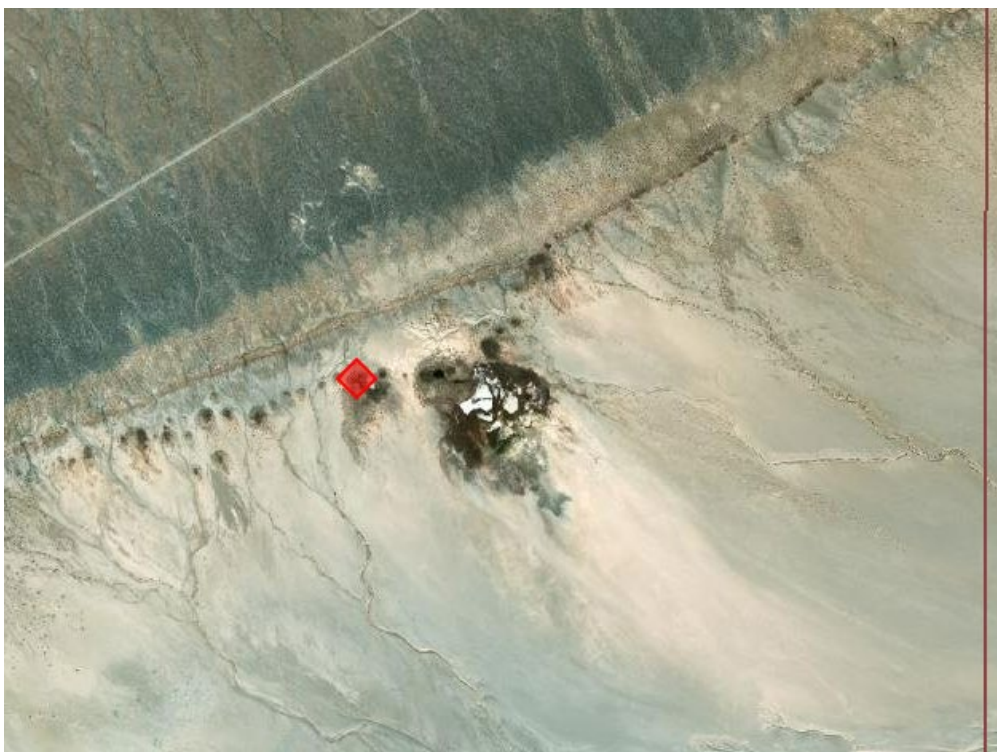
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Date: Mon, May 8, 2023 at 3:45 PM
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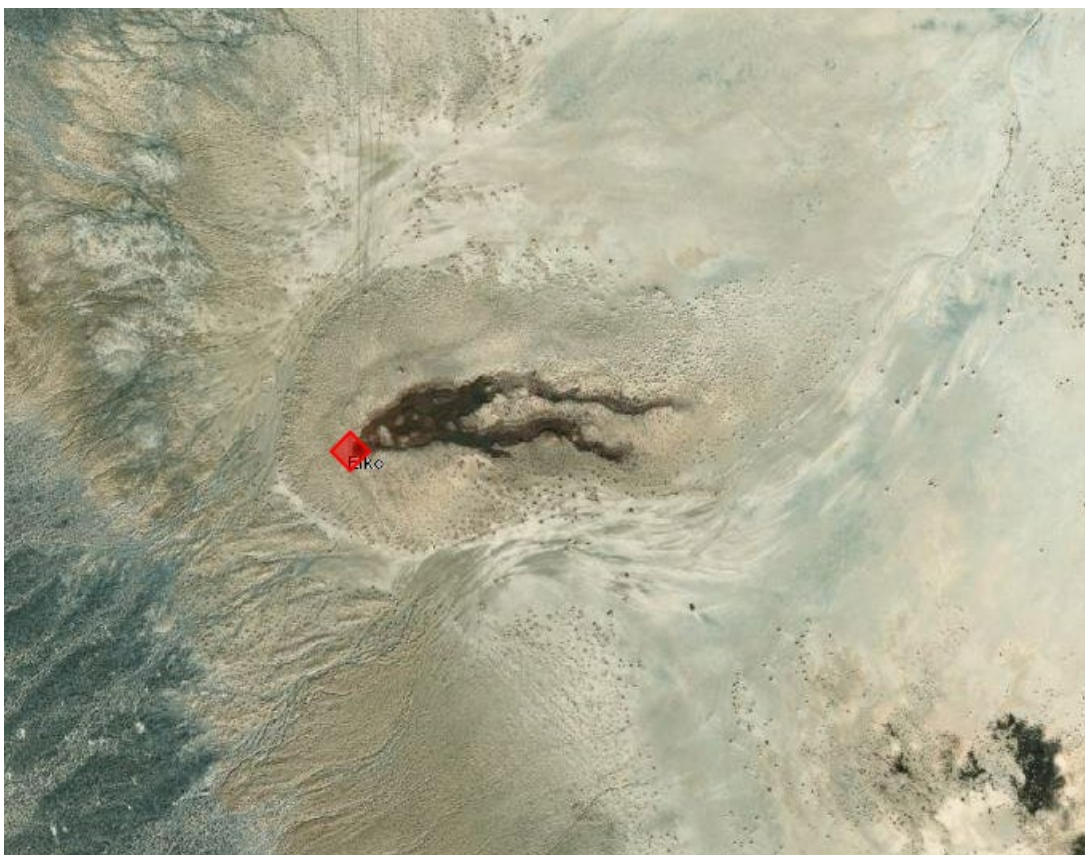
Check this out. These two "incidents" were found last week.....two springs near the NV/UT border....on the Bonneville drainage side of the Pilot Mtns. Springs at the "red diamonds"



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Long. -114.0593

Second spring



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Cheers,

Eric

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"Counting fish is like counting trees,
except they are invisible and they keep moving."

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From: [Daniel Sallee](#)
To: [Rose, Marcus F](#)
Subject: Re: [EXTERNAL] Domestic Sheep in the Leppy Hills/Silver Islands
Date: Monday, May 15, 2023 9:13:30 AM

Awesome, thank you. I looked at a trail camera photo that was sent to me and it looks more like a spring box than an actual guzzler. We don't have a guzzler there in our database, so I am thinking it's likely a piped spring. Sometimes sportsmen call any water source a guzzler so it can get confusing locking down a location.

On Mon, May 15, 2023 at 9:01 AM Rose, Marcus F <mrose@blm.gov> wrote:

Yes, Burt Kunzler is the sheep permittee on that allotment. His number is 435-279-7399. I sent him the location this morning that you gave me last week. He said that he was looking more to the west when he was there and didn't know there was a guzzler there.

Thanks,

From: Daniel Sallee <dsallee@utah.gov>
Sent: Monday, May 15, 2023 8:51 AM
To: Rose, Marcus F <mrose@blm.gov>
Subject: Re: [EXTERNAL] Domestic Sheep in the Leppy Hills/Silver Islands

Hey Marcus,

Would it be possible to get contact information for the permittee? I'd like to follow up with him to find out if he found the sheep and offer to go look for them with him if he hasn't located them yet.

Thank you,

On Fri, May 12, 2023 at 1:40 PM Daniel Sallee <dsallee@utah.gov> wrote:

I just got a trail cam photo from that guzzler from yesterday. The domestic sheep are still right there.

Sent from my iPhone

On May 12, 2023, at 1:22 PM, Rose, Marcus F <mrose@blm.gov> wrote:

That would be great. I spoke with the permittee and he said that he has been looking for those sheep for the last 2-3 weeks, but hasn't been able to track them down. So any other information as far as specific location or water development they are on would be very helpful.

Thanks,

From: Daniel Sallee <dsallee@utah.gov>

Sent: Thursday, May 11, 2023 7:42 AM

To: Rose, Marcus F <mrose@blm.gov>

Cc: Jencso, Emily D <ejencso@blm.gov>

Subject: Re: [EXTERNAL] Domestic Sheep in the Leppy Hills/Silver Islands

Thanks Marcus. If I hear any updates on where the sheep are I'll let you know.

On Wed, May 10, 2023 at 5:52 PM Rose, Marcus F <mrose@blm.gov> wrote:

Hello,

That looks like it is on the Lucin Pilot allotment. The permitted dates for sheep on that allotment are 11/1 to 3/20. I can get a hold of the permittee for that allotment and let them know that there are some sheep that got left in that area.

Thanks for the information!

Marcus Rose

Rangeland Management Specialist

Bureau of Land Management

Salt Lake Field Office

Office: 801-320-8352

Cell: 385-600-1049

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Wednesday, May 10, 2023 9:31 AM
To: Daniel Sallee <dsallee@utah.gov>; Rose, Marcus F
<mrose@blm.gov>
Subject: Re: [EXTERNAL] Domestic Sheep in the Leppy Hills/Silver Islands

Hi Daniel,

Sorry for the slow reply, I was on AL. I have included Marcus Rose on this email. He is the Range Specialist for Box Elder and can help us figure out whose allotment that is.

Marcus - see Daniel's message below regarding domestic sheep on the Silver Islands.

Emily Jencso

SLFO Wildlife Biologist CWB®

Cell: (801) 599-0954

Office: 801-320-8300

Salt Lake Field Office BLM

**491 N John Glenn Road
Salt Lake City, UT 84116**

From: Daniel Sallee <dsallee@utah.gov>
Sent: Monday, May 8, 2023 8:45 AM
To: Jencso, Emily D <ejencso@blm.gov>
Subject: [EXTERNAL] Domestic Sheep in the Leppy Hills/Silver Islands

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Hello Emily,

Last week I received a report of a couple domestic sheep just north of Wendover on a water development off the Leppy Pass Road. I know there is a domestic sheep grazing allotment out there, but I do not know when it starts and ends. Can you please give me a bit of info on who grazes sheep out that way and when they enter/exit the area. If all the domestic sheep are supposed to be out of the area by now I would like to reach out to the grazer to coordinate removing the stray domestics to minimize any risk of disease transmission this summer when bighorn start to key in on the water developments.

Thank you,

--

<~WRD0001.jpg>

Daniel Sallee

Box Elder District Biologist

M: (385) 315-3651

E: dsallee@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources

[<~WRD0001.jpg>](#)

[<~WRD0001.jpg>](#)

[<~WRD0001.jpg>](#)

[<~WRD0001.jpg>](#)

wildlife.utah.gov

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--

<~WRD0001.jpg>

Daniel Sallee
Box Elder District Biologist

M: (385) 315-3651
E: dsallee@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources

[<~WRD0001.jpg>](#)

[<~WRD0001.jpg>](#)

[<~WRD0001.jpg>](#)

[<~WRD0001.jpg>](#)

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From: [Rose, Marcus F](#)
To: [Helmick, Darcy](#)
Subject: RE: [EXTERNAL] fall application
Date: Thursday, August 24, 2023 7:12:00 AM

Okay, thanks!
Marcus

From: Helmick, Darcy <darcy.helmick@simplot.com>
Sent: Wednesday, August 23, 2023 2:08 PM
To: Rose, Marcus F <mrose@blm.gov>
Subject: [EXTERNAL] fall application

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Hi Marcus –
We don't need to make any changes to the grazing application that was sent over.
We will be utilizing our allotments with full numbers and full dates so please bill accordingly.
Thanks!

Darcy Helmick
Land Manager
Simplot Land and Livestock
Office – 208-834-5152
Cell – 208-761-9378

From: [Davis, Jordan R](#)
To: [Sherie Goring](#)
Cc: [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] Goring Actual Grazing Reports
Date: Wednesday, April 19, 2023 3:40:21 PM
Attachments: [Outlook-tlvadtdb.png](#)

Received, thank you.



Jordan Davis

Assistant Field Manager

Salt Lake Field Office | Bureau of Land Management -Utah

p: (385) 278-3618

w: www.blm.gov

From: Sherie Goring <sheriegoring13@gmail.com>

Sent: Tuesday, April 18, 2023 7:58 PM

To: Davis, Jordan R <jordandavis@blm.gov>

Subject: [EXTERNAL] Goring Actual Grazing Reports

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I have attached the actual grazing reports. Please call me if you have questions,
Jr.
435-452-1152

From: [Rose, Marcus F](#)
To: [Helmick, Darcy](#); [Clint Hill](#)
Cc: [Thomas, Ike](#); ryanchawker@gmail.com
Subject: RE: [EXTERNAL] Keg Springs
Date: Thursday, May 25, 2023 11:39:00 AM

Darcy,

Thank you for taking the time to meet up yesterday. That plan sounds great. We will plan on you using Keg Springs, and Cactus Ranch using the lower and upper pastures in Dry Canyon after the fuels treatments next winter.

Thanks for getting back so quickly!

Marcus

From: Helmick, Darcy <darcy.helmick@simplot.com>
Sent: Thursday, May 25, 2023 10:53 AM
To: Rose, Marcus F <mrose@blm.gov>; Clint Hill <clhill@utah.gov>
Cc: Thomas, Ike <ike.thomas@simplot.com>
Subject: [EXTERNAL] Keg Springs

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Hi Marcus,

Thank you for meeting with us yesterday, it was great to meet face to face.

I visited with Ike, we agreed it would be easiest if we utilized Keg Springs while the fuels reduction project is going on in the Dry Canyon Allotment.

Looking forward to continuing working together –

Thanks,

Darcy Helmick
Land Manager
Simplot Land and Livestock
Office – 208-834-5152
Cell – 208-761-9378

From: [Sheehan, Michael S](#)
To: [Arie Leeftang](#); [Seiders, Erin S](#)
Cc: [Lindsay Fenner](#)
Subject: Re: [EXTERNAL] Fwd: Young Brothers Pipeline Archaeological Survey - Check In 6-5-23
Date: Tuesday, June 6, 2023 8:06:20 AM

Hey Arie,

I'm inclined to agree with you. I think the consultant is a good one (which counts for something in my mind), and more importantly cancelling the contract and starting over might involve a more extensive time delay than simply offering an extension. Any extension though ought to have caveats attached. For example, the time-frame should be conditioned by broader project needs and it should be made clear that additional extensions are off the table. That's my thinking anyway...

Happy Tuesday all!

Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Arie Leeftang <aleeftang@utah.gov>
Sent: Tuesday, June 6, 2023 7:57 AM
To: Seiders, Erin S <eseiders@blm.gov>
Cc: Lindsay Fenner <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>
Subject: [EXTERNAL] Fwd: Young Brothers Pipeline Archaeological Survey - Check In 6-5-23

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Hi Erin-

I hope things are well. I reached out to the cultural resource contractor for the Young Brothers Pipeline project for a status update. The project is due on the 15th and it sounds like it hasn't started yet (ugh). Are you open to an extension on the project schedule?

It's definitely a sticky moment- I can cancel the contract if needed for poor performance, but we'd be back to square one on contracting and we'd probably lose more time. I personally

would recommend retaining the contractor and providing an extension. But this is a BLM project (if I remember correctly) and I'm just running the contract - so I defer to you needs. When you have a moment, let me know what you think. (Mike and Lindsay, please feel free to jump in as well).

Thanks,

Arie



Arie LeeFlang
Archaeologist

M: (801) 635-8897

E: aleeflang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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

From: lynnaneal@outlook.com <lynnaneal@outlook.com>

Date: Mon, Jun 5, 2023 at 4:42 PM

Subject: RE: Young Brothers Pipeline Archaeological Survey - Check In 6-5-23

To: Arie LeeFlang <aleeflang@utah.gov>

Hi Arie,

Wow, time has flown by for me in general and definitely since this project's inception. My sincerest apologies for not getting in touch with you much sooner. I had planned to contact you last week, but the gist of it is that I need to request more time for completion of this project. I was hoping to get into the field to complete the fieldwork later this month and to work on the report through July.

Let me know what kind of time you can give me; I'll take as much as I can get yet also try to condense the schedule wherever possible.

I will reach out to Michael and Lindsay with revised FW Authorization Requests after I hear back from you.

Thank you for reaching out and rattling my cage; I needed it. Have been beyond slammed with life and work, and actually looking forward to getting into the field.

Respectfully, Lynn

Lynn A Neal, RPA/M.A. (*she/her/Ms.*)
Sr. Archaeologist/Historic Preservation Specialist
Environmental Compliance Consultant

LA Neal Consulting, LLC
3038 Shonto Trail
Flagstaff, AZ 86005
lneal@npgcable.com
928/606-2258

From: Arie LeeFlang <aleeflang@utah.gov>
Sent: Monday, June 5, 2023 2:36 PM
To: lneal@npgcable.com
Cc: Sheehan, Michael S <msheehan@blm.gov>; Lindsay Fenner <lfenner@utah.gov>;
Seiders, Erin S <eseiders@blm.gov>
Subject: Re: Young Brothers Pipeline Archaeological Survey - Kickoff Mtg 3-30-23
Complete

Hi Lynn-

I hope things are going well. I wanted to check in on the Young Brothers Pipeline project and see how things are progressing. Were you able to finish up the fieldwork and are on to the report?

Thanks in advance. Best wishes,

Arie



Arie LeeFlang
Archaeologist
M: (801) 635-8897
E: aleeflang@utah.gov
Utah Department of Natural Resources
Division of Wildlife Resources

wildlife.utah.gov

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From: [Neff, Brandon D](#)
To: [Taylor Payne](#); [Dale Lamborn](#)
Cc: [Davis, Jordan R](#)
Subject: Re: [EXTERNAL] Permission Letter for Three Creeks project
Date: Tuesday, August 8, 2023 3:07:31 PM

Taylor,

Yes, let's go ahead and maintain the broken pipeline between Dead Moose Trough and the intersection of the North Fork Otter Creek Rd.

I will coordinate with BLM wildlife on the addition of three new troughs in the Twin Peaks Pasture to see what wildlife clearances may or may not be needed depending on the time of year the work would be done.

Thank You

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Taylor Payne <taylorpayne@utah.gov>
Sent: Tuesday, June 20, 2023 11:27 AM
To: Neff, Brandon D <bneff@blm.gov>; Dale Lamborn <dlamborn@richschool.org>
Subject: [EXTERNAL] Permission Letter for Three Creeks project

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Brandon,

Three Creeks is funded to put in pipeline down the left hand fork of Otter Creek road to fix the issue of the broken pipeline that is there now. This project should be a maintenance project like the others where we are fixing the issue by installing a new pipeline in place of the other one between the Dead Moose trough down to the intersection of the North Fork Otter Creek road. I have attached a map to show you where I'm talking about. I need to have written permission like we've done before to complete this job from BLM since it is on BLM lands.

I also have 3 new troughs that would be right on the existing pipeline that should be covered by the previous Three Creeks EA and archeology clearances since it would be within the

pipeline footprint.

Can you write me a short email with permission to complete this maintenance so I can get the GIP contract going? I could get another letter after we have full clearances for the troughs.

Thanks Brandon,

-- Taylor



Taylor Payne | NW Region GIP Coordinator

435-757-6115 mobile

[Website](#) | [Twitter](#) | [Facebook](#) | [Instagram](#)

From: [Neff, Brandon D](#)
To: [Taylor Payne](#); [Dale Lamborn](#)
Cc: [Davis, Jordan R](#)
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Date: Tuesday, August 8, 2023 3:07:31 PM

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Thank You

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Taylor Payne <taylorpayne@utah.gov>
Sent: Tuesday, June 20, 2023 11:27 AM
To: Neff, Brandon D <bneff@blm.gov>; Dale Lamborn <dlamborn@richschool.org>
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Thanks Brandon,

-- Taylor



Taylor Payne | NW Region GIP Coordinator

435-757-6115 mobile

[Website](#) | [Twitter](#) | [Facebook](#) | [Instagram](#)

From: [Lindsay Fenner](#)
To: [Sheehan, Michael S](#)
Cc: lneal@npgcable.com; [Arie Leeflang](#); [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg
Date: Wednesday, March 29, 2023 10:53:41 AM

I'm open to that also -- I am in-office and available Thursday afternoon.

Although it's fairly common for me to need to participate in kick-offs or status calls from the field, I appreciate the offer and flexibility Lynn. And for you too, Mike! Thanks everyone.

On Wed, Mar 29, 2023 at 10:49 AM Sheehan, Michael S <msheehan@blm.gov> wrote:
Tomorrow would work better for me...Friday is kind of a "no go". I can do almost any time all day...

Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lynn A Neal <lneal@npgcable.com>
Sent: Wednesday, March 29, 2023 10:42 AM
To: 'Lindsay Fenner' <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>
Cc: 'Arie Leeflang' <aaleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

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With Lindsay in the field next week, would you two prefer to meet tomorrow or Friday of this week? I'm available tomorrow afternoon and open Friday if either day works for you.

Cheers, Lynn

From: Lindsay Fenner <lfenner@utah.gov>
Sent: Wednesday, March 29, 2023 7:29 AM
To: Sheehan, Michael S <msheehan@blm.gov>
Cc: Arie LeeFlang <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>;
lneal@npgcable.com
Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff

Hello Lynn,

I can make virtually any time work for a call next week, I will just need to dial in as I expect to be in the field Monday — Thursday.

Glad to have you aboard.

Lindsay

On Wed, Mar 29, 2023 at 6:23 AM Sheehan, Michael S <msheehan@blm.gov> wrote:

Hi Lynn,

Good to hear from you...my schedule for next week is fairly (except Friday), so I can probably have a conversation almost any day/time that work for others.

Happy Wednesday!

Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lynn A Neal <lneal@npgcable.com>
Sent: Tuesday, March 28, 2023 5:07 PM
To: 'Arie LeeFlang' <aleeflang@utah.gov>
Cc: Sheehan, Michael S <msheehan@blm.gov>; 'Lindsay Fenner' <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff

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Hi Arie, Mike, Lindsay, and Erin,
Yes, it has been a minute! The melt in northern AZ has begun and spring has sprung, so I'm ready (or will be soon) to get my boots on the ground.
I did indeed receive the PO this morning and have the files from the solicitation, but thanks for sending anyway.

Let me know when you are both available for a meeting, Mike and Lindsay. Perhaps some time next week?
I will have questions outlined/be seeking clarifications and intend to be efficient with your time.
Looking forward to working with you all, Lynn

Lynn A Neal, RPA/M.A. (*she/her/Ms.*)
Sr. Archaeologist/Historic Preservation Specialist
Environmental Compliance Consultant
LA Neal Consulting, LLC
[3038 Shonto Trail](#)
[Flagstaff, AZ 86005](#)
lneal@npgcable.com
[928/606-2258](tel:9286062258)

From: Arie LeeFlang <aleeflang@utah.gov>
Sent: Tuesday, March 28, 2023 2:09 PM
To: lneal@npgcable.com
Cc: msheehan@blm.gov; Lindsay Fenner <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: Young Brothers Pipeline Archaeological Survey - Kickoff

Hi Lynn-

It's been a while, I hope things are fantastic down in Arizona. Thank you for your bid on the Young Brothers Pipeline project. I trust you saw the PO that was generated this morning by State Purchasing, officially awarding you the project. If not, please see attached (AS23-112 Documents for Signature_completed.pdf). I've cc'ed the pertinent project personnel on this email:

Mike Sheehan, BLM Archaeologist, msheehan@blm.gov
Lindsay Fenner, SITLA Archaeologist, lfenner@utah.gov
Erin Seiders, BLM Range Technician and project manager, eseiders@blm.gov

My role is to handle the solicitation, contracting and invoicing. Please send any invoices directly to me.

Next steps on the project will be to schedule a kickoff meeting with Mike and Lindsay and to get BLM and SITLA FWA requests submitted (one per each agency). I'm assuming you have the project data, but if not, please find the relevant files attached. If there are any initial questions on these documents, please let us know.

Beyond that, we're pleased to have you on this project!

Arie



Arie Leeflang
Archaeologist
M: (801) 635-8897
E: aleeflang@utah.gov
Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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--

Lindsay A. Fenner, M.A., RPA

Archaeologist

State of Utah, School and Institutional Trust Lands Administration

675 East 500 South, Suite 500

Salt Lake City, Utah 84102

801-538-5168

lfenner@utah.gov

--

Lindsay A. Fenner, M.A., RPA

Archaeologist

State of Utah, School and Institutional Trust Lands Administration

675 East 500 South, Suite 500

Salt Lake City, Utah 84102

801-538-5168

lfenner@utah.gov

From: [Sheehan, Michael S](#)
To: ["Lindsay Fenner"](#); lneal@npgcable.com
Cc: ["Arie Leeflang"](#); [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg
Date: Wednesday, March 29, 2023 10:49:05 AM

Tomorrow would work better for me...Friday is kind of a "no go". I can do almost any time all day...

Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
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Cc: Arie Leeflang <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>; lneal@npgcable.com
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From: Lynn A Neal <lnéal@npgcable.com>

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To: 'Arie Leeflang' <aleeflang@utah.gov>

Cc: Sheehan, Michael S <msheehan@blm.gov>; 'Lindsay Fenner' <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>

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Looking forward to working with you all, Lynn

Lynn A Neal, RPA/M.A. (*she/her/Ms.*)
Sr. Archaeologist/Historic Preservation Specialist
Environmental Compliance Consultant

LA Neal Consulting, LLC
[3038 Shonto Trail](#)
[Flagstaff, AZ 86005](#)
lnal@npgcable.com
928/606-2258

From: Arie Leeflang <aleeflang@utah.gov>
Sent: Tuesday, March 28, 2023 2:09 PM
To: lnal@npgcable.com
Cc: msheehan@blm.gov; Lindsay Fenner <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: Young Brothers Pipeline Archaeological Survey - Kickoff

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Arie Leeflang
Archaeologist
M: (801) 635-8897
E: aleeflang@utah.gov
Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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Lindsay A. Fenner, M.A., RPA

Archaeologist

State of Utah, School and Institutional Trust Lands Administration

675 East 500 South, Suite 500

Salt Lake City, Utah 84102

801-538-5168

lfenner@utah.gov

From: [Sheehan, Michael S](#)
To: [Lindsay Fenner](#)
Cc: [lneal@npgcable.com](#); [Arie Leeflang](#); [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg
Date: Wednesday, March 29, 2023 10:57:29 AM

You bet...

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lindsay Fenner <lfeffer@utah.gov>
Sent: Wednesday, March 29, 2023 10:53 AM
To: Sheehan, Michael S <msheehan@blm.gov>
Cc: lneal@npgcable.com <lneal@npgcable.com>; Arie Leeflang <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
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From: Lynn A Neal <lnaal@npgcable.com>
Sent: Wednesday, March 29, 2023 10:42 AM
To: 'Lindsay Fenner' <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>
Cc: 'Arie LeeFlang' <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
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From: [Rose, Marcus F](#)
To: [Jason Williams](#)
Subject: RE: [EXTERNAL] Re: Grazing application for Buckskin and Red Butte
Date: Monday, May 8, 2023 1:52:00 PM

I got the signed application, thanks!
Marcus

From: Jason Williams <shortywilliams38@yahoo.com>
Sent: Monday, May 8, 2023 1:39 PM
To: Rose, Marcus F <mrose@blm.gov>
Subject: [EXTERNAL] Re: Grazing application for Buckskin and Red Butte

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On May 8, 2023, at 1:33 PM, Rose, Marcus F <mrose@blm.gov> wrote:

From: [Hugh Hurlow](#)
To: [Chante Lundskog](#); [Chris Spangenberg](#)
Cc: [Emily D Jensen](#); [Cassie D Mellon](#); [Emily D Jensen](#); [Emily D Jensen](#)
Subject: Re: [EXTERNAL] Re: Keg Pond update
Date: Thursday, June 22, 2023 3:25:58 PM
Attachments: [image.png](#)

Hi

The pond water level decreased over the winter and has not increased the way we expected after this winter. However, flow at Lower Rocky Pass Spring is also down. We suspect that the soil was so dry before this winter, and perhaps the area did not receive as much as precipitation as the Wasatch Front, that much of the snowmelt translate to soil moisture but not to spring flow and groundwater levels.

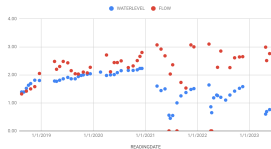
We have been quickly checking the overflow pipes of the new troughs for signs of leaking but have not seen anything concerning. However we will check carefully as well as looking at the troughs to see if any water is flowing into them.

Here is the link to a shared google sheet I set up a while back.

https://docs.google.com/spreadsheets/d/1Y7a65hu8yDkq0387rvcvX_PSLM-Xv7U3UmA40t9r/edit?gid=2172232921

Here is the plot. We should annotate the Keg Pan fire, and the implementation of the new plumbing. I don't recall those dates but can check back in our notes.

WATERLEVEL and FLOW



On Thu, Jun 22, 2023 at 2:16 PM Chante Lundskog <clundskog@utah.gov> wrote:

Hi Hugh,

See the previous convo. Have you been out to Keg Spring lately and noticed anything unusual? We were out there on Tuesday and the gauge read 0.89-0.90.

We are thinking there must be some leak in the line downstream.

On Thu, Jun 22, 2023 at 1:28 PM Mellon, Cassie D <cmellon@blm.gov> wrote:

Yes. We talked with Hugh about this as well. That is definitely a possibility that they didn't recapture the spring very well and are losing water from that. May be good to loop him into this convo.

Get [Dadlook for J06](#)

From: Chante Lundskog <clundskog@utah.gov>
Sent: Thursday, June 22, 2023 12:23:57 PM

To: Jensen, Emily D <emjensen@blm.gov>

Cc: Mellon, Cassie D <cmellon@blm.gov>; Rose, Marcus F <marose@blm.gov>

Subject: Re: Keg [EXTERNAL] Re: Keg Pond update

Is it possible that there is something wrong with the plumbing after the troughs were installed? Downstream of the pond? Some kind of leak?

On Thu, Jun 22, 2023 at 12:16 PM Jensen, Emily D <emjensen@blm.gov> wrote:

I thought I would forward this old email chain for you Marcus and Chante. I also went back and looked at the EA and Decision. The water levels are supposed to be maintained at 1.4. Looks like they were down to .45 when the troughs were first installed. I am a little nervous because this is a wet year and the level from the other day is .89.

Thought??

From the EA/Decision under RDE: "Water levels in Keg Springs would be monitored during and after water development activities and should not drop below 1.4 feet as measured on the staff gauge. Inflow rates should not drop below 1.5 gallons per minute as measured by the flume to maintain fish and amphibian habitat. These levels are considered base flow measured in August 2018. If inflow or pond levels drop below minimum levels, livestock water use from this source would be deferred."



Emily Jensen
BLPO Wildlife Biologist CWBP
Cell: (801) 399-0984
Office: 801-330-4300

Salt Lake Field Office BLM
491 N. Lake Glenn Road
Salt Lake City, UT 84119

From: Graham, Stephanie E <sgraham@blm.gov>
Sent: Wednesday, July 7, 2021 3:26 PM

To: Chance Broderius <cbroderius@utah.gov>

Cc: Mellon, Cassie D <cmellon@blm.gov>; Hugh Hurlow <hhurflow@utah.gov>; Claire Spangenberg <cspangenberg@utah.gov>; Jensen, Emily D <emjensen@blm.gov>; Wade, Jessica A <jwade@blm.gov>; Russell, Jordan S <jorussell@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Chante Lundskog <clundskog@utah.gov>

Subject: RE: [EXTERNAL] Re: Keg Pond update

Thanks Chance. Can you chat on the phone at about 4:15? I'd like to hear your thoughts about using well water and if temperature or other factors play a role in water that is added to the pond. I haven't heard from Jordan yet today, but he is chatting with Shorby about filling troughs as well.

Stephanie Graham

Assistant Field Manager-Renewable Resources

West Desert District, Bureau of Land Management

2370 S. Decker Lake Boulevard

West Valley City, UT 84119

Cell: (365) 235-0608

From: Chance Broderius <cbroderius@utah.gov>
Sent: Wednesday, July 7, 2021 3:17 PM

To: Graham, Stephanie E <sgraham@blm.gov>

Cc: Mellon, Cassie D <cmellon@blm.gov>; Hugh Hurlow <hhurflow@utah.gov>; Claire Spangenberg <cspangenberg@utah.gov>; Jensen, Emily D <emjensen@blm.gov>; Wade, Jessica A <jwade@blm.gov>; Russell, Jordan S <jorussell@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Chante Lundskog <clundskog@utah.gov>

Subject: Re: [EXTERNAL] Re: Keg Pond update

All,

I was out there today and installed a Temperature/Dissolved Oxygen sensor in the deepest part of the pond. I will try to get out there and collect the data off of the sensor every two weeks but may have to let it go for up to a month depending on my schedule. Additionally as water begins to (hopefully) come back up I'll need to change the depth on it or I'll never get it back without scuba gear, so I will be out there fairly frequently. If for some reason anyone notices the depth changing rapidly please let me know so I can make sure to get out there and move the probe.

Water level on the staff gauge was 0.55 ft today but water was not running while I was there.

Sorry I missed your call Stephanie, I was driving out to keg. I did try to call back but got no answer. To answer your question about hauling water, I do not see a problem hauling water to the pond as long as the water does not come from another pond. If the permittee would like to fill his water truck with a clean well water source or culinary water then that would be fine. I would recommend hauling water from another pond out there though. That is just asking for either a disease issue (Chytrid Fungus) or an invasive species issue (Northern Crayfish, Big eared Radix snails, New Zealand Mud Snails... etc.)

Additionally I've cc'd Chante/ Lundskog, another Native Aquatics biologist in the region, as I'd like to keep her in the loop on this issue as well.

Thanks,

Chance

On Wed, Jul 7, 2021 at 8:31 AM Graham, Stephanie E <sgraham@blm.gov> wrote:

Hi all,

We went to the pond yesterday and water level was at 0.53 ft. Water was flowing in the pond, not through the UGS flume. I left a message for Chance to discuss potential water transport. Jordan is meeting with Shorby today to discuss potential movement of cattle or hauling or water to troughs (until we figure out if hauling to the pond is feasible/recommended by DWR). We also spoke with Shorby about some options last week and he mentioned that he has a water truck. He was instructed not to use it to transport water directly to the pond at that time based on Cassie's comment about the fungus. We still need to get water levels back up to the 1.4 ft level. I took some pics yesterday (attached). It's difficult to see the water flowing in the pond in the pics, but there was a constant stream. We did see least chub in the pond.

Thanks,

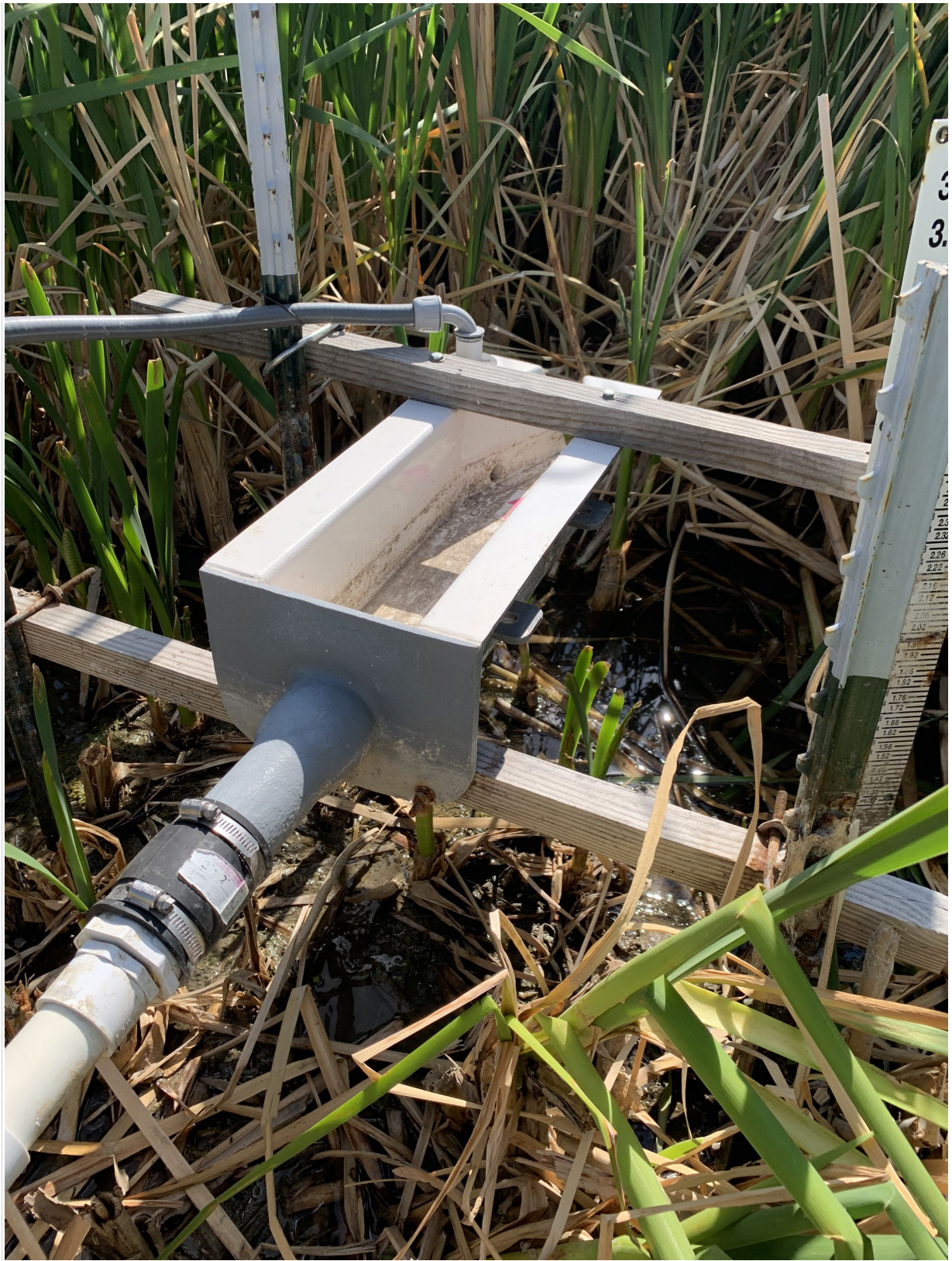
Stephanie Graham

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BLM Salt Lake Field Office

(385) 235-0608











From: Chance Broderius <cbroderius@blm.gov>
Sent: Thursday, July 1, 2021 6:17:11 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Cc: Hugh Harlow <hharlow@blm.gov>; Claire Spungenberg <cspungenberg@blm.gov>; Jencso, Emily D <ejencso@blm.gov>; Graham, Stephanie E <segraham@blm.gov>; Wade, Jessica A <jawade@blm.gov>; Rosell, Jordan S <jrosell@blm.gov>
Subject: Re: [EXTERNAL] Re: Keg Pond update

I have a temperature/oxygen logger that I can deploy next week some time if we want to monitor the oxygen level as well. Probably a good idea as it likely won't be temp alone that kills the fish if something does happen. I'll try to get on that next tuesday after the holiday.

Chance

On Thu, Jul 1, 2021 at 2:11 PM Mellon, Cassie D <cmellon@blm.gov> wrote:

Jordan, do you think there would be any difference (greater) flow to the pond if the valve is turned completely off rather than just not filling the trough due to the float? My understanding is that it is turning the water off at a different point so it wouldn't make a difference, but I do agree it would be helpful to verify and make sure there's not a leak or something.

I have some temp loggers as well and intended to put one out earlier this week but was having some technical difficulties. If you are able to get one out the week of the 12th Hugh, that would be great. Otherwise I can get one out the following week. Chance might have some good thoughts on best locations.

Cassie Mellon
Aquatic Ecologist
Salt Lake Field Office - West Desert District BLM
801-977-4378

From: Hugh Harlow <hughharlow@utah.gov>
Sent: Thursday, July 1, 2021 9:10 AM
To: Mellon, Cassie D <cmellon@blm.gov>;
Cc: Chance Broderius <cbroderius@utah.gov>; Claire Spangenberg <cspangenberg@utah.gov>; Jencso, Emily D <ejencso@blm.gov>; Graham, Stephanie E <segraham@blm.gov>; Wade, Jessica A <jawade@blm.gov>; Rosell, Jordan S <jrosell@blm.gov>
Subject: [EXTERNAL] Re: Keg Pond update

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Thanks Cassie!

I have been wondering what the flow to the pond would be if the valve to the tanks was turned off for about an hour or even overnight. Wondering if we can do that during July at a time the cattle would not normally be drinking.

If you all think temperature monitoring would be important we can install tidbits next time out, or someone can stop by to pick them up if you will be out there before 7/12. Just let us know the best places (shade, open water, south exposure etc...). We will be able to download and report.

On Wed, Jun 30, 2021 at 3:00 PM Mellon, Cassie D <cmellon@blm.gov> wrote:

Chance and Hugh, I wanted to update you on where we are at with Keg Springs. I think you both know that I went to the pond Monday evening 6/28. Water levels were still at 0.45. Water was flowing when I arrived and turned off a couple minutes after I arrived.

We've had some internal discussions about what to do and wanted to update you on that. We are pursuing options of having the permittee push his cows further south in the allotment - towards lower Rocky -- for a couple weeks to see if this will help water rebound in the pond by reducing the use at the troughs. We are also looking into hauling water to the trough. I think these are our two best options for now that may allow for a compromise between all the resources. I expect that by tomorrow we will know which of the first two options we are able to pursue and when. We're open to input and hearing other ideas from you though.

Chance, one thing that was brought up was if we could haul water directly to the pond. I said this would be a significant risk of introducing chytrid or other diseases, but I wanted to check with you to see if this could be an option what we would need to do for UDWR to feel comfortable that we have addressed this risk.

Also wanted to let you know that I will be on leave and without cell service from July 2 - July 13. Emily (our wildlife biologist for the area) and Stephanie (my supervisor) are both familiar with UGS and UDWR's interests in Keg and the importance of getting water levels back up. They are both included on this email so please include them on any response to me and let them know if there are any questions or concerns while I'm gone. Also Stephanie and Jordan will be visiting the pond on Tuesday the 6th and will share the water level and condition they see with the group. Someone else from our office will be in the area the week of the 12th and has told me he'll check on water levels when he is there.

I will be around tomorrow and will provide any updates we have before I head out.

Thanks for your help with this

Cassie Mellon
Aquatic Ecologist
Salt Lake Field Office - West Desert District BLM
801-977-4378

--
Hugh Harlow, Ph.D., P.G.
Groundwater Program Senior Scientist
Utah Geological Survey
1594 W North Temple
Salt Lake City UT 84114
801-537-3385
hughharlow@utah.gov

--
Chance Broderius
Northern Region Native Aquatics Biologist
Utah Division of Wildlife Resources
515 E 5300 S
Ogden, UT 84405
(801) 315-4676

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Charles Lundberg
Native Aquatic Biologist
M: (801) 333-2960
E: clundberg@utah.gov
Utah Department of Natural Resources
Division of Wildlife Resources
utah@utah.gov

The content of this email is confidential and intended for the recipient specified in the message only. It is strictly forbidden to share any part of this message with any third party without the written consent of the sender. If you received this message by mistake, please reply to this message and follow with its deletion so that we can ensure such a mistake does not occur in the future.



Charles Lundberg
Native Aquatic Biologist
M: (801) 333-2960
E: clundberg@utah.gov
Utah Department of Natural Resources
Division of Wildlife Resources
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--
Hugh Harlow (he, his)
Senior Scientist/Program Manager
Groundwater and Wetlands Program
M: (801) 537-3385
E: hughharlow@utah.gov
Utah Department of Natural Resources
Utah Geological Survey
hughharlow@utah.gov

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From: [Chante Landklog <clandklog@utah.gov>](#)
To: [Claire Spangenberg <csspang@utah.gov>](#), [Jenico Emily D <jenico@utah.gov>](#)
Cc: [Stephane E <segraham@utah.gov>](#)
Subject: Re: [EXTERNAL] Re: Keg Pond update
Date: Thursday, June 22, 2023 1:27:22 PM
Attachments: [image001.png](#)

Yes. We talked with Hugh about this as well. That is definitely a possibility that they didn't recapture the spring very well and are losing water from that. May be good to loop him into this convo.

Get Outlook for CES

From: Chante Landklog <clandklog@utah.gov>
Sent: Thursday, June 22, 2023 12:23:57 PM
To: Jenico, Emily D <jenico@utah.gov>
Cc: Mellon, Cassie D <cmellon@utah.gov>; Rosa, Marcus F <mrosa@utah.gov>
Subject: Re: [EXTERNAL] Re: Keg Pond update

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Thoughts??

From the EA/Decision under RDE: "Water levels in Keg Springs would be monitored during and after water development activities and should not drop below 1.4 feet as measured on the staff gauge. Inflow rates should not drop below 1.5 gallons per minute as measured by the flume to maintain fish and amphibian habitat. These levels are considered base flow measured in August 2018. If inflow or pond levels drop below minimum levels, livestock water use from this source would be deferred."



Emily Zanco
SFO Wildlife Biologist CWSP
Cell: (801) 589-0594
Office: 801-320-8300

Salt Lake Field Office BLM
491 N. Yale Street Road
Salt Lake City, UT 84116

From: Graham, Stephanie E <segraham@utah.gov>
Sent: Wednesday, July 7, 2021 3:26 PM
To: Chance Broderius <cbroderius@utah.gov>
Cc: Mellon, Cassie D <cmellon@utah.gov>; Hugh Hurlow <hhurlow@utah.gov>; Claire Spangenberg <csspangenberg@utah.gov>; Jenico, Emily D <jenico@utah.gov>; Wade, Jessica A <jawade@utah.gov>; Rosell, Jordan S <jrosell@utah.gov>; Davis, Jordan R <jordandavis@utah.gov>; Chante Landklog <clandklog@utah.gov>
Subject: RE: [EXTERNAL] Re: Keg Pond update

Thanks Chance. Can you chat on the phone at about 4:15? I'd like to hear your thoughts about using well water and if temperature or other factors play a role in water that is added to the pond. I haven't heard from Jordan yet today, but he is chatting with Shorty about filling troughs as well.

Stephanie Graham
Assistant Field Manager-Renewable Resources
West Desert District, Bureau of Land Management
2370 S. Decker Lake Boulevard
West Valley City, UT 84119
Cell: (385) 235-0608

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Cc: Mellon, Cassie D <cmellon@utah.gov>; Hugh Hurlow <hhurlow@utah.gov>; Claire Spangenberg <csspangenberg@utah.gov>; Jenico, Emily D <jenico@utah.gov>; Wade, Jessica A <jawade@utah.gov>; Rosell, Jordan S <jrosell@utah.gov>; Davis, Jordan R <jordandavis@utah.gov>; Chante Landklog <clandklog@utah.gov>
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All,

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Sorry I missed your call Stephanie, I was driving out to keg. I did try to call back but got no answer. To answer your question about hauling water, I do not see a problem hauling water to the pond as long as the water does not come from another pond. If the permittee would like to fill his water truck with a clean well water source or culinary water then that would be fine. I wouldn't recommend hauling water from another pond out there though. That is just asking for either a disease issue (Chytrid Fungus) or an invasive species issue (Northern Crayfish, Big eared Radix snails, New Zealand Mud Snails... etc.)

Additionally I've cc'd Chante/ Landklog, another Native Aquatics biologist in the region, as I'd like to keep her in the loop on this issue as well.

Thanks,
Chance

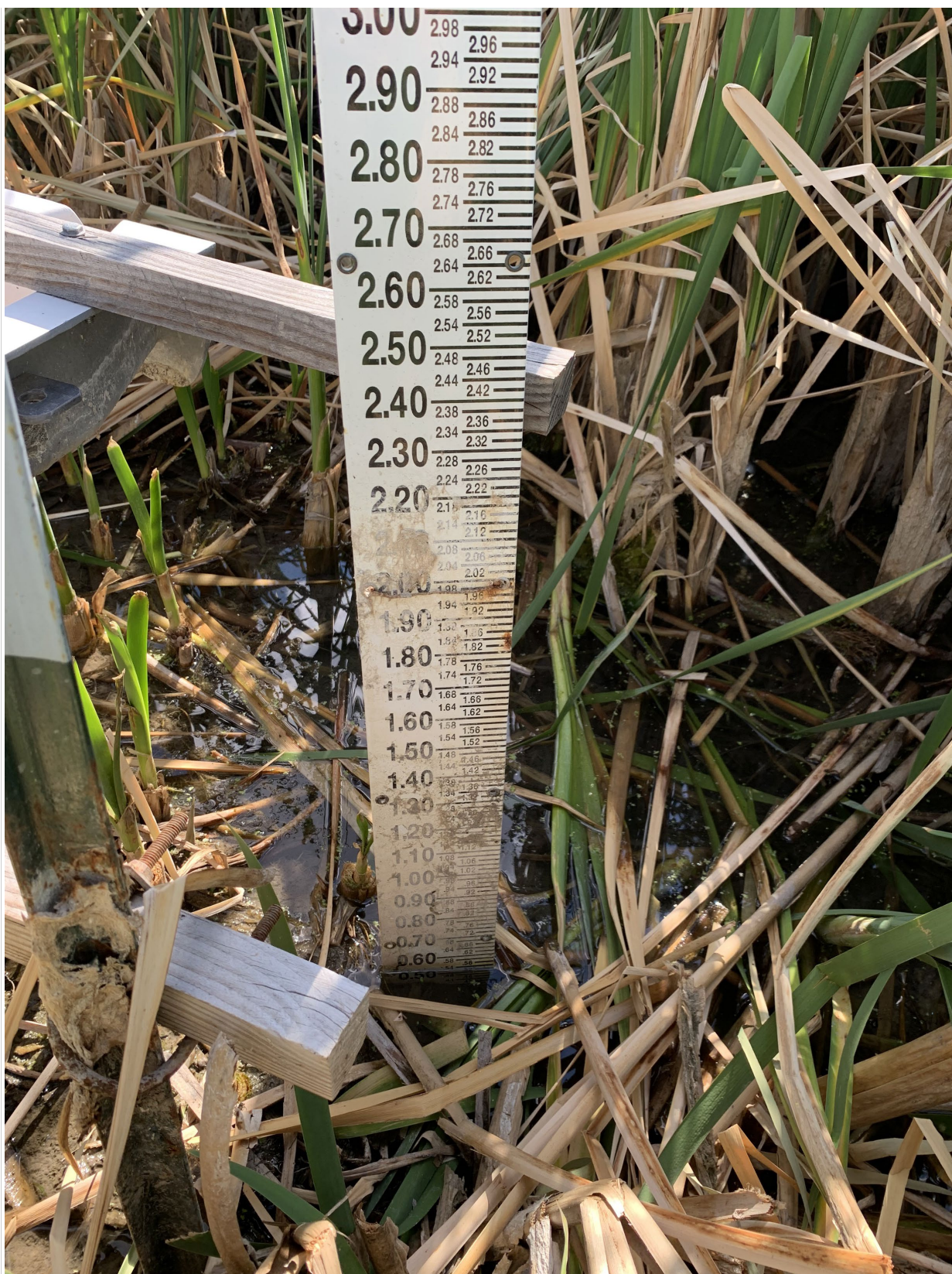
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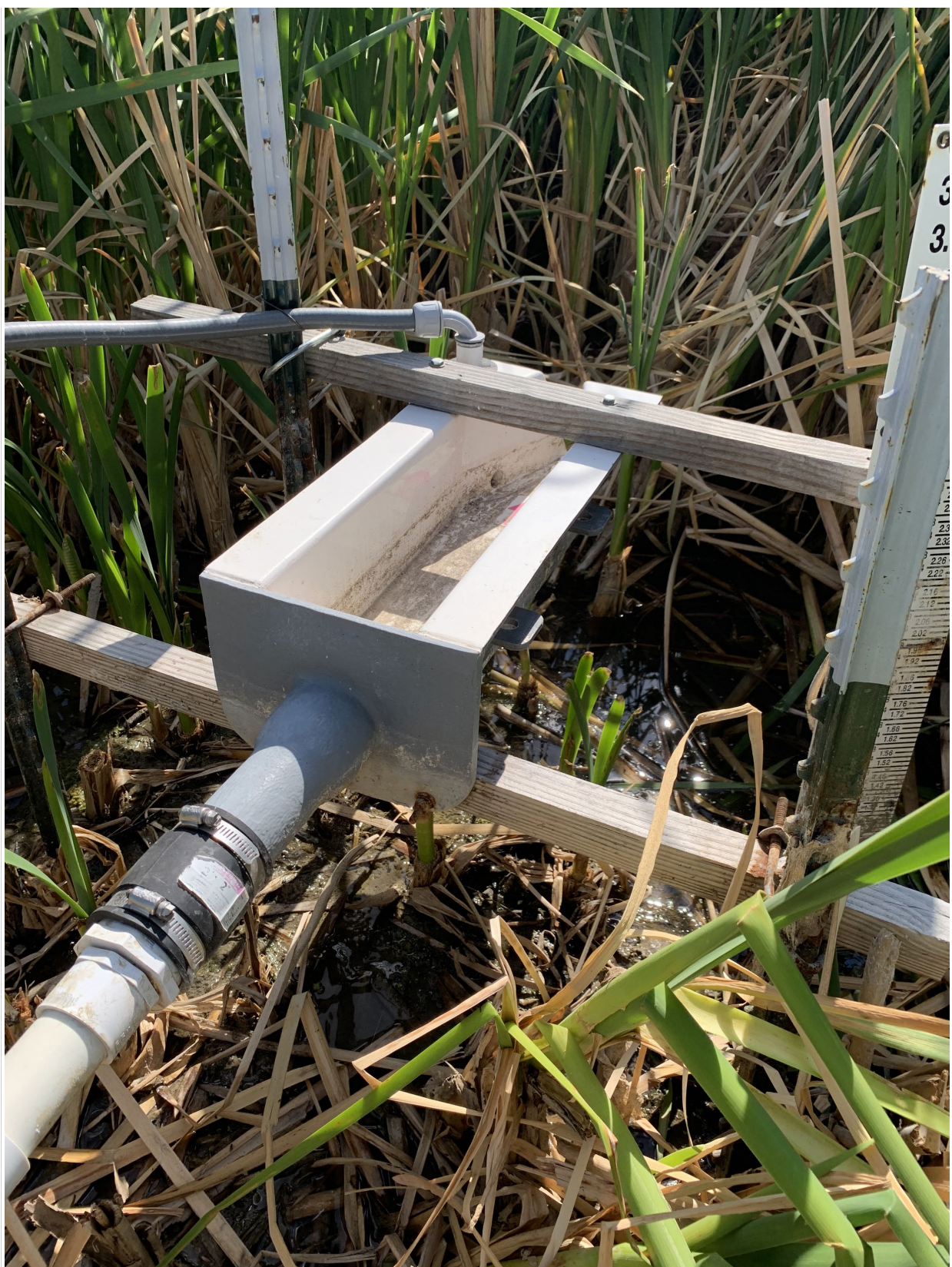
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Thanks,

Stephanie Graham
Assistant Field Manager-Renewable Resources
BLM Salt Lake Field Office
(385) 235-0608











From: Chance Broderick <cbroderick@utah.gov>
Sent: Thursday, July 1, 2021 6:17:11 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Cc: Hugh Harlow <hughharlow@utah.gov>; Claire Spangenberg <cspangenberg@utah.gov>; Jencos, Emily D <ejencos@blm.gov>; Graham, Stephanie E <stephgraham@blm.gov>; Wade, Jessica A <jawade@blm.gov>; Rosell, Jordan S <jrosell@blm.gov>
Subject: Re: [EXTERNAL] Re: Krig Pond update

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I have some temp loggers in well and intended to put one out earlier this week but was having some technical difficulties. If you are able to get one out the week of the 12th Hugh, that would be great. Otherwise I can get one out the following week. Chance might have some good thoughts on best locations.

Cassie Mellon
Aquatic Ecologist
Salt Lake Field Office - West Desert District BLM
801-977-4378

From: Hugh Hurlow <hughhurlow@utah.gov>
Sent: Thursday, July 1, 2021 9:10 AM
To: Mellon, Cassie D <cmellon@blm.gov>
Cc: Chance Broderius <cbroderius@utah.gov>; Claire Spangenberg <cspangenberg@utah.gov>; Jensen, Emily D <ejensen@blm.gov>; Graham, Stephanie E <segraham@blm.gov>; Wade, Jessica A <jwade@blm.gov>; Rosell, Jordan S <jrosell@blm.gov>
Subject: [EXTERNAL] Re: Keg Pond update

[This email has been received from outside of BLM. Use caution before clicking on links, opening attachments, or responding.]

Thanks Cassie!

I have been wondering what the flow to the pond would be if the valve to the tanks was turned off for about an hour or even overnight. Wondering if we can do that during July at a time the cattle would not normally be drinking.

If you all think temperature monitoring would be important we can install tidthis next time out, or someone can stop by to pick them up if you will be out there before 7/12. Just let us know the best places (shade, open water, south exposure etc...). We will be able to download and report.

On Wed, Jun 30, 2021 at 3:00 PM Mellon, Cassie D <cmellon@blm.gov> wrote:

Chance and Hugh, I wanted to update you on where we are at with Keg Springs. I think you both know that I went to the pond Monday evening 6/28. Water levels were still at 0.45. Water was flowing when I arrived and turned off a couple minutes after I arrived.

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Salt Lake Field Office - West Desert District BLM
801-977-4378

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Hugh Hurlow, Ph.D., P.G.
Groundwater Program Senior Scientist
Utah Geological Survey
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Salt Lake City UT 84114
801-537-3385
geology.utah.gov

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Chance Broderius
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Christi Lundberg
Native Aquatic Biologist
PH: (801) 315-2700
E: clundberg@dnr.utah.gov
Utah Department of Natural Resources
Division of Wildlife Resources
dnr.utah.gov

From: [Emily Jensen](#)
To: [Bryan Swartz](#), [Cassie D](#)
Cc: [Chante Lundskog](#), [Claire Spangenberg](#), [Jenico](#), [Emily D](#), [Jenico](#), [Rose](#), [Marcus F](#)
Subject: [Re: \[EXTERNAL\] Re: Keg Pond update](#)
Date: Monday, June 26, 2023 1:20:42 PM
Attachments: [\[image.png\]](#)

After reading the history of Keg Springs this morning, I had a crazy thought. Is it possible the bentonite seal on the pond has been damaged from deer/elk, cattle, over the past 20 years and that is contributing to water loss. Would it be worth dredging and adding in bentonite again? Thoughts?

Emily Jensen
SLP Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Hugh Hurlow <hughhurlow@utah.gov>
Sent: Friday, June 23, 2023 3:52 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Cc: Chante Lundskog <clundskog@utah.gov>, Claire Spangenberg <csparenberg@utah.gov>, Jenico, Emily D <ejenico@blm.gov>, Rose, Marcus F <mrrose@blm.gov>
Subject: Re: [EXTERNAL] Re: Keg Pond update

Great to hear from you Cassie! We'll keep the shared spreadsheet up to date.

On Fri, Jun 23, 2023 at 3:46 PM Mellon, Cassie D <cmellon@blm.gov> wrote:

I think for sharing this Hugh, that is interesting that both sites dropped over the winter and have not increased as we would have expected from this good snow year. That does make me feel a bit better that it isn't a leak in the system since Lower Rocky is responding the same way as Keg. We did check both troughs off of the Keg pipeline and they are both dry and not in use.

Cassie Mellon
Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
353-443-1621 (cell)
cmellon@blm.gov

From: Hugh Hurlow <hughhurlow@utah.gov>
Sent: Thursday, June 22, 2023 3:31 PM
To: Chante Lundskog <clundskog@utah.gov>, Claire Spangenberg <csparenberg@utah.gov>
Cc: Mellon, Cassie D <cmellon@blm.gov>, Jenico, Emily D <ejenico@blm.gov>, Rose, Marcus F <mrrose@blm.gov>
Subject: Re: [EXTERNAL] Re: Keg Pond update

Hi

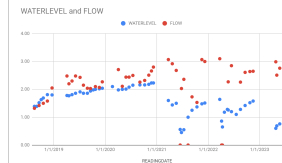
The pond water level decreased over the winter and has not increased the way we expected after this winter. However, flow at Lower Rocky Pass Spring is also down. We suspect that the soil was so dry before this winter, and perhaps the area did not receive as much as precipitation as the Wasatch Front, that much of the snowmelt translate to soil moisture but not to spring flow and groundwater levels.

We have been quickly checking the overflow pipes of the new troughs for signs of leaking but have not seen anything concerning. However we will check carefully as well as looking at the troughs to see if any water is flowing into them.

Here is the link to a shared google sheet I set up a while back.

https://docs.google.com/spreadsheets/d/1Y7a85b8yDdp0287DvcsX_E2NLM_Xv7U1DmAD808/edit#gid=217232023

Here is the plot. We should annotate the Keg Pass fire, and the implementation of the new plumbing. I don't recall those dates but can check in our notes.



On Thu, Jun 22, 2023 at 2:16 PM Chante Lundskog <clundskog@utah.gov> wrote:

Hi Hugh,

See the previous convo. Have you been out to Keg Spring lately and noticed anything unusual? We were out there on Tuesday and the gauge read 0.89-0.90.

We are thinking there must be some leak in the line downstream.

On Thu, Jun 22, 2023 at 1:28 PM Mellon, Cassie D <cmellon@blm.gov> wrote:

Yes. We talked with Hugh about this as well. That is definitely a possibility that they didn't recapture the spring very well and are losing water from that. May be good to loop him into this convo.

Get [Dinklog for JLS](#)

From: Chante Lundskog <clundskog@utah.gov>
Sent: Thursday, June 22, 2023 12:23:57 PM
To: Jenico, Emily D <ejenico@blm.gov>, Rose, Marcus F <mrrose@blm.gov>
Cc: Mellon, Cassie D <cmellon@blm.gov>, Hugh Hurlow <hughhurlow@utah.gov>
Subject: Re: Fw: [EXTERNAL] Re: Keg Pond update

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To: Chante Broderius <cbroderius@utah.gov>
Cc: Mellon, Cassie D <cmellon@blm.gov>, Hugh Hurlow <hughhurlow@utah.gov>, Claire Spangenberg <csparenberg@utah.gov>, Jenico, Emily D <ejenico@blm.gov>, Wade, Jessica A <jawade@blm.gov>, Rosell, Jordan S <jrosell@blm.gov>, Davis, Jordan R <jrdavis@blm.gov>, Chante Lundskog <clundskog@utah.gov>
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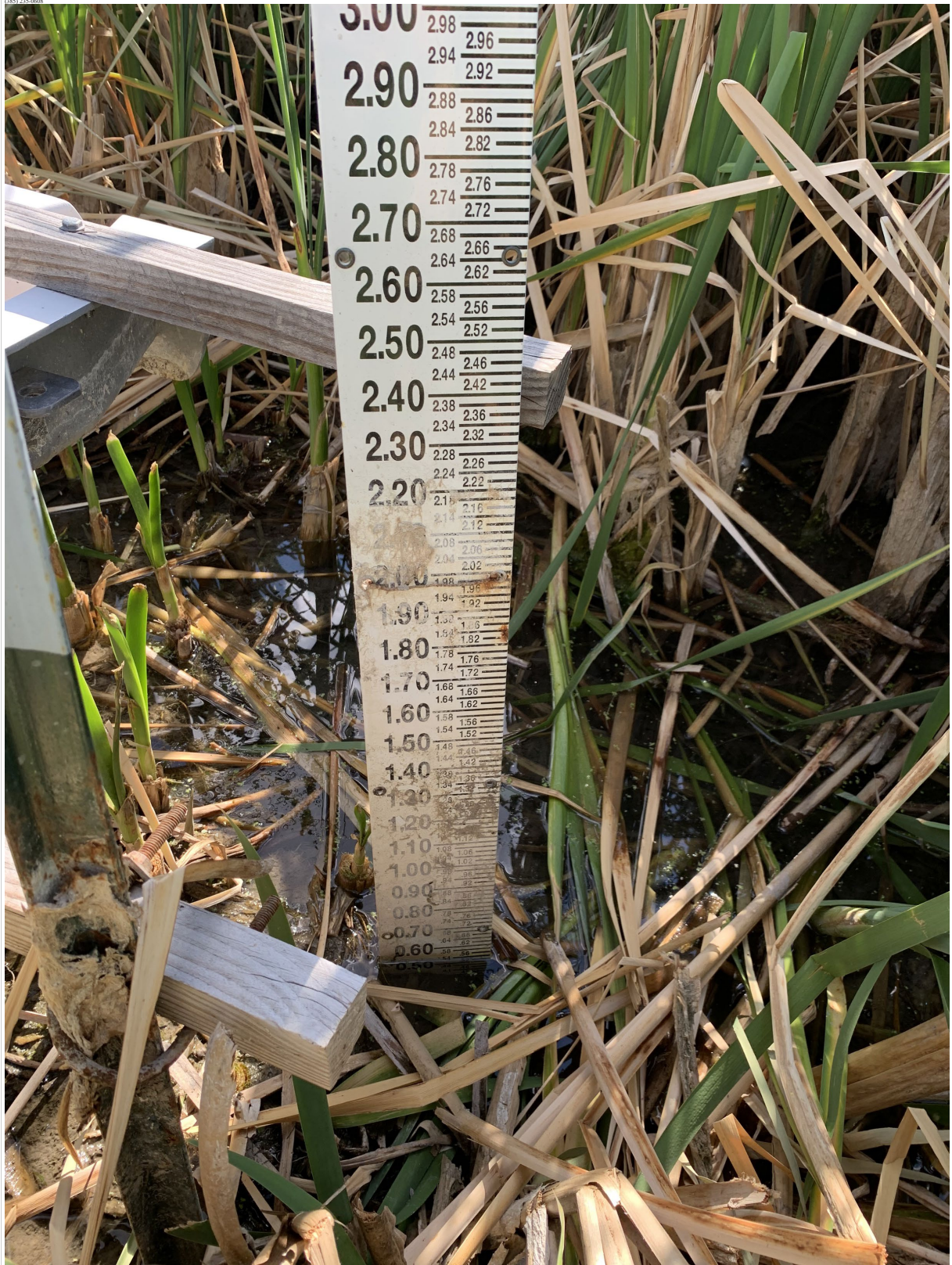
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Chante

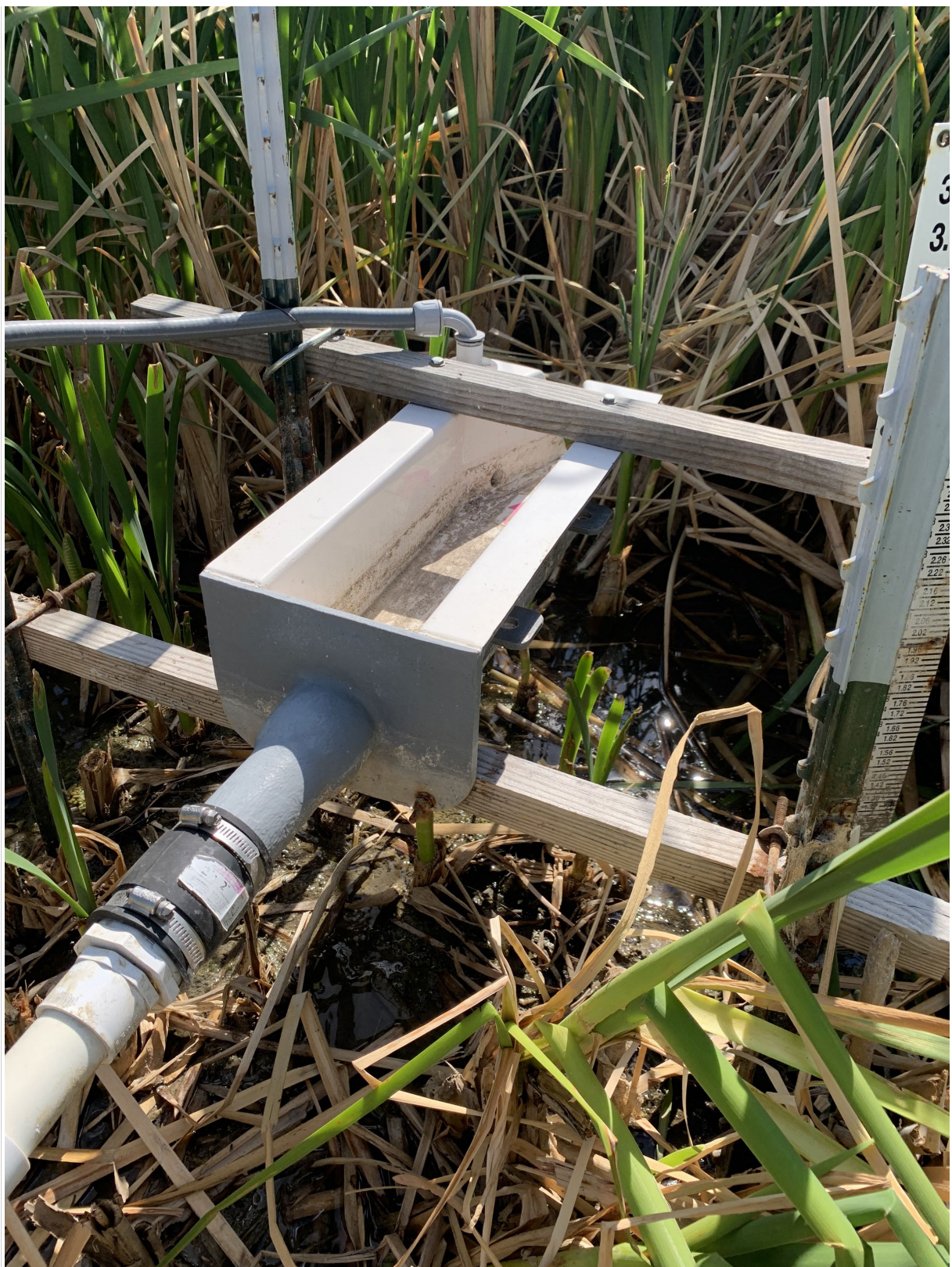
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From: Chance Broderius <cbroderius@nwrh.gov>
Sent: Thursday, July 1, 2021 6:37:11 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Cc: Hugh Harlow <hharlow@nwrh.gov>; Claire Spangenberg <cspangenberg@nwrh.gov>; Jencso, Emily D <ejencso@blm.gov>; Graham, Stephanie E <steph@blm.gov>; Wade, Jessica A <jwade@blm.gov>; Rosell, Jordan S <jrosell@blm.gov>
Subject: Re: [EXTERNAL] Re: King Pond update

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Cc: Chance Broderies <cbroderies@utah.gov>
Subject: [EXTERNAL] Re: Keg Pond update

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Thanks Cassie!

I have been wondering what the flow to the pond would be if the valve to the tanks was turned off for about an hour or even overnight. Wondering if we can do that during July at a time the cattle would not normally be drinking.

If you all think temperature monitoring would be important we can install tidbits next time out, or someone can stop by to pick them up if you will be out there before 7:12. Just let us know the best places (shade, open water, south exposure etc...). We will be able to download and report.

On Wed, Jun 30, 2021 at 3:00 PM Mellon, Cassie D <cmellon@blm.gov> wrote:

Chance and Hugh, I wanted to update you on where we are at with Keg Springs. I think you both know that I went to the pond Monday evening 6/28. Water levels were still at 0.45. Water was flowing when I arrived and turned off a couple minutes after I arrived.

We've had some internal discussions about what to do and wanted to update you on that. We are pursuing options of having the permittee push his cows further south in the allotment – towards lower Rocky – for a couple weeks to see if this will help water rebound in the pond by reducing the use at the troughs. We are also looking into hauling water to the trough. I think these are our two best options for now that may allow for a compromise between all the resources. I expect that by tomorrow we will know which of the first two options we are able to pursue and when. We're open to input and hearing other ideas from you though.

Chance, one thing that was brought up was if we could haul water directly to the pond. I said this would be a significant risk of introducing chytrid or other diseases, but I wanted to check with you to see if this could be an option what we would need to do for UDWR to feel comfortable that we have addressed this risk.

Also wanted to let you know that I will be on leave and without cell service from July 2 – July 13. Emily (our wildlife biologist for the area) and Stephanie (my supervisor) are both familiar with UGS and UDWR's interests in Keg and the importance of getting water levels back up. They are both included on this email so please include them on any response to me and let them know if there are any questions or concerns while I'm gone. Also Stephanie and Jordan will be visiting the pond on Tuesday the 6th and will share the water level and condition they see with the group. Someone else from our office will be in the area the week of the 12th and has told me he'll check on water levels when he is there.

I will be around tomorrow and will provide any updates we have before I head out.

Thanks for your help with this

Cassie Mellon
Aquatic Ecologist
Salt Lake Field Office – West Desert District BLM
801-977-4378

Hugh Hurlow, Ph.D., P.G.
Groundwater Program Senior Scientist
Utah Geological Survey
1504 W North Temple
Salt Lake City UT 84114
801-537-3385
hugh@utah.gov

Chance Broderies
Northern Region Native Aquatics Biologist
Utah Division of Wildlife Resources
513 E. 3300 S
Ogden, UT 84403
(801) 315-4676

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(801) 315-4676

Cheryl Lundberg
Native Aquatic Biologist
M: (801) 315-3385
E: clundberg@utah.gov
Utah Department of Natural Resources
Division of Wildlife Resources
wildlife@utah.gov

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Cheryl Lundberg
Native Aquatic Biologist
M: (801) 315-3385
E: clundberg@utah.gov
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Hugh Hurlow (he, his)
Senior Scientist/Program Manager
Groundwater and Wetlands Program
M: (801) 537-3385
E: hugh@utah.gov
Utah Department of Natural Resources
Utah Geological Survey
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From: [Rose, Marcus F](#)
To: [Clint Hill](#)
Subject: RE: [EXTERNAL] Re: Muddy Creek Pipeline Extension and others from West box Elder Range Improvement EA
Date: Friday, May 12, 2023 1:15:00 PM

I will have to talk with Jared Redington a bit in our office to get his thoughts on it, because Brent said that he thought that BLM was going to do a lot of it and it was associated with the fire around 2021. But As far as I knew, this pipeline wasn't associated with a fire.

However, Brent did say that they would be willing to put in for funding with it and maybe pipe from the grazing board could be used. Brent says that some water has been put in that area recently, but there is not much water where that pipeline is planned, so it would be beneficial.

From: Clint Hill <clhill@utah.gov>
Sent: Thursday, May 11, 2023 1:52 PM
To: Rose, Marcus F <mrose@blm.gov>
Subject: [EXTERNAL] Re: Muddy Creek Pipeline Extension and others from West box Elder Range Improvement EA

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Marcus,

Yeah I don't remember that location being completed either. It does seem like there has been some water ran out in that same location / nearby area, but I could be mistaken. Did he act like it was still needed or wanted? Maybe we should go tour around with him and check it out sometime and see what the needs are and if he wants to sign it up for funding.

Thanks Clint

CLINT HILL | GRAZING IMPROVEMENT PROGRAM
435.257.5402 OFFICE | 435.230.4492 MOBILE
UTAH DEPARTMENT OF AGRICULTURE AND FOOD

On Wed, May 10, 2023 at 5:10 PM Rose, Marcus F <mrose@blm.gov> wrote:

Hello Clint,

Here is a map showing the Muddy Creek pipeline extension that we talked about in the meeting last week. It has not yet been completed from conversations with Brent Rose.

Thanks,

Marcus Rose
Rangeland Management Specialist
Bureau of Land Management
Salt Lake Field Office
Office: 801-320-8352
Cell: 385-600-1049

From: [Rose, Marcus F](#)
To: [Clint Hill](#)
Subject: RE: [EXTERNAL] Re: Muddy Creek Pipeline Extension and Rosebud Range Improvement Projects
Date: Monday, November 27, 2023 8:28:00 AM

Yes.

From: Clint Hill <clhill@utah.gov>
Sent: Monday, November 20, 2023 10:27 AM
To: Rose, Marcus F <mrose@blm.gov>
Subject: [EXTERNAL] Re: Muddy Creek Pipeline Extension and Rosebud Range Improvement Projects

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Thanks,
I assume we will want a solar pump and trough near the well for Kunzler Ranch?

CLINT HILL | GRAZING IMPROVEMENT PROGRAM
435.257.5402 OFFICE | 435.230.4492 MOBILE
UTAH DEPARTMENT OF AGRICULTURE AND FOOD

How was your experience with the Utah Department of Agriculture and Food? Tell us about your experience through this 2-minute survey!

Follow this link to the survey:

[Take the Survey](#)

On Wed, Nov 8, 2023 at 3:28 PM Rose, Marcus F <mrose@blm.gov> wrote:

Clint,
Here is some information for the Rosebud well and Muddy Creek pipeline extension. I haven't been able to find the shapefile for the Muddy Creek pipeline extension, but I attached the map from the EA. I also attached the West Box Elder RIPs EA that analyzed that and multiple other projects in Box Elder County in case you wanted more information about it.
The allocated AUMs for the Rosebud and Muddy Creek allotments are as follows:
Rosebud allotment:
Arimo Corp-15 BLM AUMs
Kunzler Ranch-336 BLM AUMs
Ingham Springs LLC-352 BLM AUMs and 122 Exchange of use AUMs

Muddy Creek allotment:

440 BLM AUMs (Muddy Creek pasture only)

1636 total BLM AUMs and 1351 exchange of use AUMs across the Muddy Creek allotment (all held by Ingham Springs LLC)

Once I am able to find the shapefile for the Muddy pipeline extension I will send it over.

Thanks,

Marcus Rose

Rangeland Management Specialist

Bureau of Land Management

Salt Lake Field Office

Office: 801-320-8352

Cell: 385-600-1049

From: [Arie Leeflang](#)
To: lynnaneal@outlook.com
Cc: [Lindsay Fenner](#); [Seiders, Erin S](#); [Sheehan, Michael S](#)
Subject: Re: [EXTERNAL] Re: Young Bros Water Infrastructure Arch Survey - Report Update
Date: Friday, September 1, 2023 8:09:12 AM

Hi Lynn-

I know you are juggling a bunch of projects right now - but could you please give us an update and expected timeline for draft deliverables for the Young Brothers project? At this point we're a couple of weeks past the final deadline but I'm assuming you're close?

Thank you,

Arie



Arie Leeflang
Archaeologist

M: (801) 635-8897
E: aleeflang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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On Wed, Aug 2, 2023 at 8:27 AM Sheehan, Michael S <msheehan@blm.gov> wrote:

I guess I should have read further up the email chain! LOL!

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Arie Leeflang <aleeflang@utah.gov>
Sent: Monday, July 31, 2023 11:21 AM
To: lynnaneal@outlook.com <lynnaneal@outlook.com>
Cc: Sheehan, Michael S <msheehan@blm.gov>; Lindsay Fenner <lfenner@utah.gov>

Subject: [EXTERNAL] Re: Young Bros Water Infrastructure Arch Survey - Report Update

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Hi Lynn-

Happy to help. For some reason it was giving me some trouble, but I finally got it figured out. Here are the stats:

BLM: 127.43
SITLA: 30.79
Private: 131.36

I hope that helps!

A



Arie LeeFlang
Archaeologist

M: (801) 635-8897

E: aleeflang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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On Mon, Jul 31, 2023 at 10:39 AM lynnaneal@outlook.com <lynnaneal@outlook.com> wrote:

Hi all,

I am working as quickly as I can to complete the draft report for the Young Brothers survey, and realize I'm missing some information that hopefully one or more of you has already calculated. I am looking for the project APE acreage breakdown by landowner. Is this something one of you could provide or do I need to go ahead and calculate these

acreages?

Thank you, Lynn

Lynn A Neal, RPA/M.A. (*she/her/Ms.*)

Sr. Archaeologist/Historic Preservation Specialist

Environmental Compliance Consultant

LA Neal Consulting, LLC

3038 Shonto Trail

Flagstaff, AZ 86005

lynnaneal@outlook.com

928/606-2258

From: [Sheehan, Michael S](#)
To: ["Lindsay Fenner"; lneal@npgcable.com](#)
Cc: ["Arie Leeflang"; Seiders, Erin S](#)
Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff Mtg 3-30-23
Date: Wednesday, March 29, 2023 3:38:05 PM

Mine came up 3:00 pm...all's good I do believe!

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lynn A Neal <lneal@npgcable.com>
Sent: Wednesday, March 29, 2023 3:02 PM
To: 'Lindsay Fenner' <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>
Cc: 'Arie Leeflang' <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff Mtg 3-30-23

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I emailed you both a Zoom invite. Note that the meeting timeframe may reflect AZ time (2:00-2:45 pm) rather than Utah/Mtn time (3:00-3:45 pm).

Thanks, Lynn

From: Lindsay Fenner <lfenner@utah.gov>
Sent: Wednesday, March 29, 2023 10:57 AM
To: Sheehan, Michael S <msheehan@blm.gov>
Cc: lneal@npgcable.com; Arie Leeflang <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

Same here.

On Wed, Mar 29, 2023 at 11:53 AM Sheehan, Michael S <msheehan@blm.gov> wrote:

| Sure...that's fine.

| Michael S. Sheehan, Ph.D.

Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lynn A Neal <lneal@npgcable.com>
Sent: Wednesday, March 29, 2023 11:40 AM
To: Sheehan, Michael S <msheehan@blm.gov>; 'Lindsay Fenner' <lfenner@utah.gov>
Cc: 'Arie Leeflang' <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

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If and when possible, you should be able to enjoy your field time, Lindsay.
So is Thursday, March 30 at 3:00 pm good? If so, should I set up a Zoom meeting and send you both an invite?

From: Sheehan, Michael S <msheehan@blm.gov>
Sent: Wednesday, March 29, 2023 9:57 AM
To: Lindsay Fenner <lfenner@utah.gov>
Cc: lneal@npgcable.com; Arie Leeflang <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: Re: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

You bet...

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lindsay Fenner <lfenner@utah.gov>
Sent: Wednesday, March 29, 2023 10:53 AM
To: Sheehan, Michael S <msheehan@blm.gov>
Cc: lneal@npgcable.com <lneal@npgcable.com>; Arie Leeflang <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: Re: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

I'm open to that also -- I am in-office and available Thursday afternoon.

Although it's fairly common for me to need to participate in kick-offs or status calls from the field, I appreciate the offer and flexibility Lynn. And for you too, Mike! Thanks everyone.

On Wed, Mar 29, 2023 at 10:49 AM Sheehan, Michael S <msheehan@blm.gov> wrote:

Tomorrow would work better for me...Friday is kind of a "no go". I can do almost any time all day...

Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lynn A Neal <lneal@npgcable.com>
Sent: Wednesday, March 29, 2023 10:42 AM
To: 'Lindsay Fenner' <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>
Cc: 'Arie LeeFlang' <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

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With Lindsay in the field next week, would you two prefer to meet tomorrow or Friday of this week? I'm available tomorrow afternoon and open Friday if either day works for you. Cheers, Lynn

From: Lindsay Fenner <lfenner@utah.gov>
Sent: Wednesday, March 29, 2023 7:29 AM
To: Sheehan, Michael S <msheehan@blm.gov>
Cc: Arie LeeFlang <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>; lneal@npgcable.com
Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff

Hello Lynn,

I can make virtually any time work for a call next week, I will just need to dial in as I expect to be in the field Monday — Thursday.

Glad to have you aboard.
Lindsay

On Wed, Mar 29, 2023 at 6:23 AM Sheehan, Michael S <msheehan@blm.gov> wrote:

Hi Lynn,
Good to hear from you...my schedule for next week is fairly (except Friday), so I can probably have a conversation almost any day/time that work for others.

Happy Wednesday!
Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lynn A Neal <lneal@npgcable.com>
Sent: Tuesday, March 28, 2023 5:07 PM
To: 'Arie Leeflang' <aleeflang@utah.gov>
Cc: Sheehan, Michael S <msheehan@blm.gov>; 'Lindsay Fenner' <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff

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Hi Arie, Mike, Lindsay, and Erin,
Yes, it has been a minute! The melt in northern AZ has begun and spring has sprung, so I'm ready (or will be soon) to get my boots on the ground.
I did indeed receive the PO this morning and have the files from the solicitation, but thanks for sending anyway.

Let me know when you are both available for a meeting, Mike and Lindsay. Perhaps some time next week?
I will have questions outlined/be seeking clarifications and intend to be efficient with your time.
Looking forward to working with you all, Lynn

Lynn A Neal, RPA/M.A. (*she/her/Ms.*)
Sr. Archaeologist/Historic Preservation Specialist
Environmental Compliance Consultant
LA Neal Consulting, LLC
[3038 Shonto Trail](#)
[Flagstaff, AZ 86005](#)
lneal@npgcable.com
[928/606-2258](tel:9286062258)

From: Arie Leeflang <aleeflang@utah.gov>
Sent: Tuesday, March 28, 2023 2:09 PM
To: lneal@npgcable.com
Cc: msheehan@blm.gov; Lindsay Fenner <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: Young Brothers Pipeline Archaeological Survey - Kickoff

Hi Lynn-

It's been a while, I hope things are fantastic down in Arizona. Thank you for your bid on the Young Brothers Pipeline project. I trust you saw the PO that was generated this morning by State Purchasing, officially awarding you the project. If not, please see attached (AS23-112 Documents for Signature_completed.pdf). I've cc'ed the pertinent project personnel on this email:

Mike Sheehan, BLM Archaeologist, msheehan@blm.gov

Lindsay Fenner, SITLA Archaeologist, lfenner@utah.gov

Erin Seiders, BLM Range Technician and project manager, eseiders@blm.gov

My role is to handle the solicitation, contracting and invoicing. Please send any invoices directly to me.

Next steps on the project will be to schedule a kickoff meeting with Mike and Lindsay and to get BLM and SITLA FWA requests submitted (one per each agency). I'm assuming you have the project data, but if not, please find the relevant files attached. If there are any initial questions on these documents, please let us know.

Beyond that, we're pleased to have you on this project!

Arie



Arie Leeflang
Archaeologist

M: (801) 635-8897

E: aleeflang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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--

Lindsay A. Fenner, M.A., RPA

Archaeologist

State of Utah, School and Institutional Trust Lands Administration

675 East 500 South, Suite 500

Salt Lake City, Utah 84102

801-538-5168

lfenner@utah.gov

From: [Lindsay Fenner](#)
To: [Sheehan, Michael S](#)
Cc: lneal@npgcable.com; [Arie Leeflang](#); [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg
Date: Wednesday, March 29, 2023 11:57:31 AM

Same here.

On Wed, Mar 29, 2023 at 11:53 AM Sheehan, Michael S <msheehan@blm.gov> wrote:
Sure...that's fine.

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

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Subject: Re: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

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Michael S. Sheehan, Ph.D.
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491 North John Glenn Rd.
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Michael S. Sheehan, Ph.D.
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BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
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Michael S. Sheehan, Ph.D.

Cultural Resources Program Lead

BLM-Salt Lake Field Office

491 North John Glenn Rd.

Salt Lake City, UT 84116

Ph: 801-320-8373

From: Lynn A Neal <lneal@npgcable.com>

Sent: Tuesday, March 28, 2023 5:07 PM

To: 'Arie Leeflang' <aleeflang@utah.gov>

Cc: Sheehan, Michael S <msheehan@blm.gov>; 'Lindsay Fenner' <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>

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I will have questions outlined/be seeking clarifications and intend to be efficient with your time.

Looking forward to working with you all, Lynn

Lynn A Neal, RPA/M.A. (*she/her/Ms.*)

Sr. Archaeologist/Historic Preservation Specialist

Environmental Compliance Consultant

LA Neal Consulting, LLC

[3038 Shonto Trail](#)

[Flagstaff, AZ 86005](#)

lneal@npgcable.com

928/606-2258

From: Arie LeeFlang <aleeflang@utah.gov>

Sent: Tuesday, March 28, 2023 2:09 PM

To: lneal@npgcable.com

Cc: msheehan@blm.gov; Lindsay Fenner <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>

Subject: Young Brothers Pipeline Archaeological Survey - Kickoff

Hi Lynn-

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morning by State Purchasing, officially awarding you the project. If not, please see attached (AS23-112 Documents for Signature_completed.pdf). I've cc'ed the pertinent project personnel on this email:

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Lindsay Fenner, SITLA Archaeologist, lfenner@utah.gov

Erin Seiders, BLM Range Technician and project manager, eseiders@blm.gov

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Arie



Arie Leeftang
Archaeologist

M: (801) 635-8897

E: aleeftang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources

wildlife.utah.gov



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Lindsay A. Fenner, M.A., RPA

Archaeologist

State of Utah, School and Institutional Trust Lands Administration

675 East 500 South, Suite 500

Salt Lake City, Utah 84102

801-538-5168

lfenner@utah.gov

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801-538-5168

lfenner@utah.gov

From: [Sheehan, Michael S](#)
To: ["Lindsay Fenner"; lneal@npgcable.com](#)
Cc: ["Arie Leeflang"; Seiders, Erin S](#)
Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg
Date: Wednesday, March 29, 2023 11:53:11 AM

Sure...that's fine.

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lynn A Neal <lneal@npgcable.com>
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So is Thursday, March 30 at 3:00 pm good? If so, should I set up a Zoom meeting and send you both an invite?

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You bet...

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BLM-Salt Lake Field Office
491 North John Glenn Rd.

Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lindsay Fenner <lfenner@utah.gov>
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Cc: lineal@npgcable.com <lineal@npgcable.com>; Arie Leeftang <aleeftang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: Re: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

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Mike

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Subject: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

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With Lindsay in the field next week, would you two prefer to meet tomorrow or Friday of this week? I'm available tomorrow afternoon and open Friday if either day works for you.
Cheers, Lynn

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Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff

Hello Lynn,

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Glad to have you aboard.
Lindsay

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I will have questions outlined/be seeking clarifications and intend to be efficient with your time.

Looking forward to working with you all, Lynn

Lynn A Neal, RPA/M.A. (she/her/Ms.)

Sr. Archaeologist/Historic Preservation Specialist
Environmental Compliance Consultant
LA Neal Consulting, LLC
[3038 Shonto Trail](#)
[Flagstaff, AZ 86005](#)
lneal@npgcable.com
[928/606-2258](tel:9286062258)

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Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff
Date: Wednesday, March 29, 2023 6:23:17 AM

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Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg
Date: Wednesday, March 29, 2023 11:57:31 AM

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Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff Mtg 3-30-23 Complete
Date: Thursday, March 30, 2023 4:49:11 PM

Happy to help Lynn...have a good evening!

Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
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Ph: 801-320-8373

From: Lynn A Neal <lneal@npgcable.com>
Sent: Thursday, March 30, 2023 4:37 PM
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Cc: 'Arie Leeflang' <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff Mtg 3-30-23 Complete

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Thanks Mike and Lindsay for your time and for being quick on your feet. Zoom did indeed hang up on us, and you didn't miss a beat signing in again to the meeting extension. I'll be in touch with fieldwork authorizations soon.
Cheers, Lynn

From: Sheehan, Michael S <msheehan@blm.gov>
Sent: Thursday, March 30, 2023 2:41 PM
To: Seiders, Erin S <eseiders@blm.gov>; Arie Leeflang <aleeflang@utah.gov>; lneal@npgcable.com
Cc: Lindsay Fenner <lfenner@utah.gov>
Subject: Re: [EXTERNAL] Re: Young Brothers Pipeline Archaeological Survey - Kickoff Mtg 3-30-23

I think "Zoom" hung up on us!

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Sent: Thursday, March 30, 2023 9:27 AM
To: Arie Leeftang <aleeftang@utah.gov>; lneal@npgcable.com <lneal@npgcable.com>
Cc: Lindsay Fenner <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>
Subject: Re: [EXTERNAL] Re: Young Brothers Pipeline Archaeological Survey - Kickoff Mtg 3-30-23

Thank you everyone, please reach out to me if you need any more information.

Sincerely,
Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

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Thanks all - if anything comes up in your kickoff that involves me, please let me know. I'm off on a quick family vacation, so unfortunately I won't be able to attend. Sending my best,

Aroie



Arie Leeftang
Archaeologist
M: (801) 635-8897
E: aleeftang@utah.gov
Utah Department of Natural Resources
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If and when possible, you should be able to enjoy your field time, Lindsay.
So is Thursday, March 30 at 3:00 pm good? If so, should I set up a Zoom meeting and send you both an invite?

From: Sheehan, Michael S <msheehan@blm.gov>

Sent: Wednesday, March 29, 2023 9:57 AM

To: Lindsay Fenner <lfenner@utah.gov>

Cc: lneal@npgcable.com; Arie Leeftang <aleeftang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>

Subject: Re: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

You bet...

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lindsay Fenner <lfenner@utah.gov>

Sent: Wednesday, March 29, 2023 10:53 AM

To: Sheehan, Michael S <msheehan@blm.gov>

Cc: lneal@npgcable.com <lneal@npgcable.com>; Arie Leeftang <aleeftang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>

Subject: Re: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

I'm open to that also -- I am in-office and available Thursday afternoon.

Although it's fairly common for me to need to participate in kick-offs or status calls from the field, I appreciate the offer and flexibility Lynn. And for you too, Mike! Thanks everyone.

On Wed, Mar 29, 2023 at 10:49 AM Sheehan, Michael S <msheehan@blm.gov> wrote:

Tomorrow would work better for me...Friday is kind of a "no go". I can do almost any time all day...

Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lynn A Neal <lneal@npgcable.com>

Sent: Wednesday, March 29, 2023 10:42 AM

To: 'Lindsay Fenner' <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>

Cc: 'Arie Leeftang' <aleeftang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>

Subject: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Setting Kickoff Mtg

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links, opening attachments, or responding.

With Lindsay in the field next week, would you two prefer to meet tomorrow or Friday of this week? I'm available tomorrow afternoon and open Friday if either day works for you.

Cheers, Lynn

From: Lindsay Fenner <lfenner@utah.gov>

Sent: Wednesday, March 29, 2023 7:29 AM

To: Sheehan, Michael S <msheehan@blm.gov>

Cc: Arie Leeflang <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>; lnéal@npgcable.com

Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff

Hello Lynn,

I can make virtually any time work for a call next week, I will just need to dial in as I expect to be in the field Monday — Thursday.

Glad to have you aboard.

Lindsay

On Wed, Mar 29, 2023 at 6:23 AM Sheehan, Michael S <msheehan@blm.gov> wrote:

Hi Lynn,

Good to hear from you...my schedule for next week is fairly (except Friday), so I can probably have a conversation almost any day/time that work for others.

Happy Wednesday!

Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Lynn A Neal <lnéal@npgcable.com>

Sent: Tuesday, March 28, 2023 5:07 PM

To: 'Arie Leeflang' <aleeflang@utah.gov>

Cc: Sheehan, Michael S <msheehan@blm.gov>; 'Lindsay Fenner' <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>

Subject: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Kickoff

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Hi Arie, Mike, Lindsay, and Erin,

Yes, it has been a minute! The melt in northern AZ has begun and spring has sprung, so I'm ready (or will be soon) to get my boots on the ground.
I did indeed receive the PO this morning and have the files from the solicitation, but thanks for sending anyway.

Let me know when you are both available for a meeting, Mike and Lindsay. Perhaps some time next week?
I will have questions outlined/be seeking clarifications and intend to be efficient with your time.
Looking forward to working with you all, Lynn

Lynn A Neal, RPA/M.A. (*she/her/Ms.*)
Sr. Archaeologist/Historic Preservation Specialist
Environmental Compliance Consultant
LA Neal Consulting, LLC
[3038 Shonto Trail](#)
[Flagstaff, AZ 86005](#)
lneal@npgcable.com
[928/606-2258](tel:9286062258)

From: Arie LeeFlang <aleeflang@utah.gov>
Sent: Tuesday, March 28, 2023 2:09 PM
To: lneal@npgcable.com
Cc: msheehan@blm.gov; Lindsay Fenner <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: Young Brothers Pipeline Archaeological Survey - Kickoff

Hi Lynn-

It's been a while, I hope things are fantastic down in Arizona. Thank you for your bid on the Young Brothers Pipeline project. I trust you saw the PO that was generated this morning by State Purchasing, officially awarding you the project. If not, please see attached (AS23-112 Documents for Signature_completed.pdf). I've cc'ed the pertinent project personnel on this email:

Mike Sheehan, BLM Archaeologist, msheehan@blm.gov
Lindsay Fenner, SITLA Archaeologist, lfenner@utah.gov
Erin Seiders, BLM Range Technician and project manager, eseiders@blm.gov

My role is to handle the solicitation, contracting and invoicing. Please send any invoices directly to me.

Next steps on the project will be to schedule a kickoff meeting with Mike and Lindsay and to get BLM and SITLA FWA requests submitted (one per each agency). I'm assuming you have the project data, but if not, please find the relevant files attached. If there are any initial questions on these documents, please let us know.

Beyond that, we're pleased to have you on this project!

Arie

Arie LeeFlang

Photo



Archaeologist

M: (801) 635-8897

E: aleeflang@utah.gov

Utah Department of Natural Resources

Division of Wildlife Resources



wildlife.utah.gov

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--

Lindsay A. Fenner, M.A., RPA

Archaeologist

State of Utah, School and Institutional Trust Lands Administration

675 East 500 South, Suite 500

Salt Lake City, Utah 84102

801-538-5168

lfenner@utah.gov

From: [Arie Leeflang](#)
To: [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] Re: Young Pipeline Bid
Date: Monday, March 20, 2023 2:42:22 PM

Thanks Erin - I've asked State Purchasing to award the work. We'll keep you posted as the project progresses.

Arie



Arie Leeflang
Archaeologist

M: (801) 635-8897
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On Mon, Mar 20, 2023 at 8:21 AM Seiders, Erin S <eseiders@blm.gov> wrote:

Arie,

I talked to my supervisor Jordan Davis, and he is okay with the bid amount. Thanks again for all your hard work with this project.

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Arie Leeflang <aleeflang@utah.gov>
Sent: Friday, March 17, 2023 10:44 AM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: [EXTERNAL] Re: Young Pipeline Bid

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links, opening attachments, or responding.

No problem - I'll resend it. Happy Friday to you too



Arie Leeflang
Archaeologist

M: (801) 635-8897

E: aleeflang@utah.gov

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On Fri, Mar 17, 2023 at 10:17 AM Seiders, Erin S <eseiders@blm.gov> wrote:

Hey Arie, I accidently deleted the email you sent with all the bid information. Could you please

resend that to me ? Thanks a bunch. Happy Friday !!!

Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: [Arie Leeftang](#)
To: [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] Re: Young Pipeline Cultural Report
Date: Thursday, October 26, 2023 11:33:50 AM

Thanks Erin - I finally heard back from the contractor that she is going to dive back into things and provide us with a new due date. I'll keep you posted. Sorry this is such a boondoggle!

A



Arie Leeftang
Cultural Resources Program Specialist

M: (801) 635-8897
E: aleeftang@utah.gov

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On Tue, Oct 24, 2023 at 8:26 AM Seiders, Erin S <eseiders@blm.gov> wrote:

Okay great Arie, thank you !!!!!

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Arie Leeftang <aleeftang@utah.gov>
Sent: Tuesday, October 24, 2023 8:24 AM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: Re: [EXTERNAL] Re: Young Pipeline Cultural Report

Hey Erin - thanks for all that info. I have an email to the contractor and I'm just waiting to hear back. I'll keep you posted!



Arie Leeftang
Cultural Resources Program Specialist

M: (801) 635-8897
E: aleeftang@utah.gov

Utah Department of Natural Resources



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On Thu, Oct 19, 2023 at 3:06 PM Seiders, Erin S <eseiders@blm.gov> wrote:

Hey Arie,

I do have some wiggle room for the time being since they won't probably be actually starting construction until July. I do however, need those reports so that I can get the paperwork finished up on my end, UGIP won't fund the project for my permittee without first having the cultural clearances done. Always lots of paperwork to be finished before anything can begin as you know...I really appreciate you getting back to me, please let me know when you hear of any progress.

Sincerely,
Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Arie Leeflang <aleeflang@utah.gov>
Sent: Thursday, October 19, 2023 2:46 PM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: [EXTERNAL] Re: Young Pipeline Cultural Report

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Hey Erin-

I admittedly haven't heard or followed up. I've been swamped and I have let this slide - my apologies. She has three projects with me right now and she's behind on all of them. I've

been pushing her on one that is super pressing - but I imagine yours is pressing too!
What's your timeline on the project? I can definitely push her.

Arie



Arie Leeflang
Archaeologist

M: (801) 635-8897

E: aleeflang@utah.gov

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On Thu, Oct 19, 2023 at 12:42 PM Seiders, Erin S <eseiders@blm.gov> wrote:

Hi Arie, I was wondering if you have received word from Lynn about the finished reports for the Young Pipeline ?

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: [Arie Leeflang](#)
To: [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] Re: Young Pipeline Cultural Report
Date: Tuesday, October 24, 2023 8:24:55 AM

Hey Erin - thanks for all that info. I have an email to the contractor and I'm just waiting to hear back. I'll keep you posted!



Arie Leeflang
Cultural Resources Program Specialist

M: (801) 635-8897
E: aleeflang@utah.gov

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From: Arie Leeflang <aleeflang@utah.gov>
Sent: Thursday, October 19, 2023 2:46 PM
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Hey Erin-

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Arie



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Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: [Arie Leeflang](#)
To: [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] Re: Young Pipeline Cultural Report
Date: Tuesday, November 28, 2023 12:55:03 PM

Hey Erin-

I wanted to quickly check in - since it's been a while. Since we last emailed, I've been pushing the contractor to finish up a different project that is super high priority. Unfortunately the contractor keeps delaying and we are considering terminating that project. Things are a bit fluid right now, but once that project is resolved, I'll be pushing on yours. I don't know what the worst case scenario is, but I'm doing my best to get the project completed. I've never had a contractor so delinquent and this is all new to me. I'll do my best to keep you posted - please reach out at any time. Sorry for the trouble! This is definitely unexpected.

Arie



Arie Leeflang
Cultural Resources Program Specialist

M: (801) 635-8897
E: aleeflang@utah.gov

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On Mon, Oct 30, 2023 at 7:42 AM Seiders, Erin S <eseiders@blm.gov> wrote:

Okay Arie, thanks for letting me know.

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Arie Leeflang <aleeflang@utah.gov>
Sent: Thursday, October 26, 2023 11:32 AM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: Re: [EXTERNAL] Re: Young Pipeline Cultural Report

Thanks Erin - I finally heard back from the contractor that she is going to dive back into things and provide us with a new due date. I'll keep you posted. Sorry this is such a

boondoggle!

A



Arie Leeftang
Cultural Resources Program Specialist

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From: Arie Leeftang <aleeftang@utah.gov>

Sent: Tuesday, October 24, 2023 8:24 AM

To: Seiders, Erin S <eseiders@blm.gov>

Subject: Re: [EXTERNAL] Re: Young Pipeline Cultural Report

Hey Erin - thanks for all that info. I have an email to the contractor and I'm just waiting to hear back. I'll keep you posted!



Arie Leeftang
Cultural Resources Program Specialist

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E: aleeftang@utah.gov

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Sincerely,
Erin

Erin Seiders, Range Technician

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From: Arie Leeflang <aleeflang@utah.gov>
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Arie

Photo



Arie Leeflang
Archaeologist

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Erin Seiders, Range Technician

BLM Salt Lake Field Office

2370 S. Decker Lake Blvd

West Valley City, UT 84119

Desk: 801-977-4334

From: [Arie Leeflang](#)
To: [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] Re: Young Pipeline WRI Funding
Date: Tuesday, December 19, 2023 7:05:00 AM

Hi Erin-

I heard back from the contractor and she says she's planning to have everything wrapped up in the second week of January. She says she's going to have one of the other projects I have contracted with her wrapped up this week (it's an easy one) - so that will be somewhat of a test case. I'll keep you posted and keep pushing. Thanks for your patience - this is definitely a weird one! Happy Holidays :)

Arie



Arie Leeflang
Cultural Resources Program Specialist

M: (801) 635-8897
E: aleeflang@utah.gov

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On Thu, Dec 14, 2023 at 11:08 AM Seiders, Erin S <eseiders@blm.gov> wrote:

Hi Arie,

Thanks for getting back to me on this, I was talking to my supervisor about this yesterday and there were concerns about losing money. It's sounding like things are going to start moving forward soon, (hopefully) I really appreciate your attention on this project with trying to get things finished up.

Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Arie Leeflang <aleeflang@utah.gov>

Sent: Thursday, December 14, 2023 6:35 AM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: [EXTERNAL] Re: Young Pipeline WRI Funding

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Hi Erin-

Thanks for checking in and that all makes sense. To date, we have indeed spent \$11,865.10. That covers the fieldwork portion of the project and now we're just waiting on the reporting. The reporting portion of the project will be invoiced at \$7,910.00 for a project total of \$ \$19,775.10 for the archaeology. The full amount should be invoiced well in advance of the end of June. Does that provide you the information you need?

As a further update - I reached out to the contractor yesterday asking for another update. They finally got me the reporting for a different project last week (equally far behind schedule) that was a serious priority. Young Brothers is next in the priority list. Good news is that they provided a good product. Bad news is that things are obviously crazy behind schedule. I'll let you know when I hear back from them.

I'm sorry for the trouble! I've never had an issue like this before.

Arie



Arie Leeftang
Cultural Resources Program Specialist

M: (801) 635-8897
E: aleeftang@utah.gov

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On Wed, Dec 13, 2023 at 2:44 PM Seiders, Erin S <eseiders@blm.gov> wrote:

Hey Arie,

We received an email from WRI in regards to funding not being drawn for existing projects. The WRI agreement shows that the Invoice amount is \$11,865.10 with a balance remaining of \$13,134.90. I was wondering how much will be paid to the contractor once the final reports are submitted ? I attached the spreadsheet with these totals from the email. The totals in peach represent the funds that could be lost if not used by June 2024. I really appreciate you checking this for me.

Sincerely,

Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: [Arie Leeflang](#)
To: [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] Re: Young Pipeline WRI Funding
Date: Tuesday, December 19, 2023 7:05:00 AM

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Arie



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Cultural Resources Program Specialist

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Hi Arie,

Thanks for getting back to me on this, I was talking to my supervisor about this yesterday and there were concerns about losing money. It's sounding like things are going to start moving forward soon, (hopefully) I really appreciate your attention on this project with trying to get things finished up.

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From: Arie Leeflang <aleeflang@utah.gov>

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Hi Erin-

Thanks for checking in and that all makes sense. To date, we have indeed spent \$11,865.10. That covers the fieldwork portion of the project and now we're just waiting on the reporting. The reporting portion of the project will be invoiced at \$7,910.00 for a project total of \$ \$19,775.10 for the archaeology. The full amount should be invoiced well in advance of the end of June. Does that provide you the information you need?

As a further update - I reached out to the contractor yesterday asking for another update. They finally got me the reporting for a different project last week (equally far behind schedule) that was a serious priority. Young Brothers is next in the priority list. Good news is that they provided a good product. Bad news is that things are obviously crazy behind schedule. I'll let you know when I hear back from them.

I'm sorry for the trouble! I've never had an issue like this before.

Arie



Arie Leeftang
Cultural Resources Program Specialist

M: (801) 635-8897
E: aleeftang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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On Wed, Dec 13, 2023 at 2:44 PM Seiders, Erin S <eseiders@blm.gov> wrote:

Hey Arie,

We received an email from WRI in regards to funding not being drawn for existing projects. The WRI agreement shows that the Invoice amount is \$11,865.10 with a balance remaining of \$13,134.90. I was wondering how much will be paid to the contractor once the final reports are submitted ? I attached the spreadsheet with these totals from the email. The totals in peach represent the funds that could be lost if not used by June 2024. I really appreciate you checking this for me.

Sincerely,

Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: [Mellon, Cassie D](#)
To: [Neff, Brandon D](#)
Subject: RE: [EXTERNAL] Sage Creek Road Crossing
Date: Thursday, August 31, 2023 2:57:03 PM

Sounds good. That's what I've done (notify Jared and managers) and a similar response that I've gotten on other road issues that I've brought up in the past. That bridge has been sketchy for a while so I'm not surprised to see it blew out.

Cassie Mellon
Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Neff, Brandon D <bneff@blm.gov>
Sent: Thursday, August 31, 2023 2:14 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Subject: Re: [EXTERNAL] Sage Creek Road Crossing

Hi Cassie,

I have seen this. Jessie from WLC sent me an email with the same pictures. I forwarded it on to Jared Reddington and Jordan Davis. I have not heard anything back on any of it yet. I forwarded it on the day or maybe one day after I received it from Jessie. But, Jordan and Jared should be aware. Do you recommend I do anything more with it?

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Mellon, Cassie D <cmellon@blm.gov>
Sent: Thursday, August 31, 2023 12:56 PM
To: Neff, Brandon D <bneff@blm.gov>
Subject: FW: [EXTERNAL] Sage Creek Road Crossing

Hi Brandon, did you see this road wash out? This is the bridge over Sage Creek – just off of the highway. I'm not sure if this is something for operations but thought you should know at least.

Cassie Mellon
Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Kleimeyer, Mitch <Mitchell.Kleimeyer@colostate.edu>
Sent: Thursday, August 31, 2023 12:51 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Subject: [EXTERNAL] Sage Creek Road Crossing

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Hi Cassie,

Forwarding these bridge photos to you in case you haven't received them yet. This is the crossing at 41.768690, -111.174216 just off of the paved road and the damage occurred during a flash/storm event the evening of 8/17/2023.

Thanks,

Mitch

Mitchell Kleimeyer
Aquatic Ecology Research Associate
Colorado Natural Heritage Program
Colorado State University
Mitchell.Kleimeyer@colostate.edu

From: David Fleshman <dflesh5@gmail.com>
Sent: Wednesday, August 30, 2023 9:37 AM
To: Kleimeyer, Mitch <Mitchell.Kleimeyer@colostate.edu>
Subject:

**** Caution: EXTERNAL Sender ****

From: [Neff, Brandon D](#)
To: [Mellon, Cassie D](#)
Subject: Re: [EXTERNAL] Sage Creek Road Crossing
Date: Thursday, August 31, 2023 2:13:47 PM

Hi Cassie,

I have seen this. Jessie from WLC sent me an email with the same pictures. I forwarded it on to Jared Reddington and Jordan Davis. I have not heard anything back on any of it yet. I forwarded it on the day or maybe one day after I received it from Jessie. But, Jordan and Jared should be aware. Do you recommend I do anything more with it?

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Mellon, Cassie D <cmellon@blm.gov>
Sent: Thursday, August 31, 2023 12:56 PM
To: Neff, Brandon D <bneff@blm.gov>
Subject: FW: [EXTERNAL] Sage Creek Road Crossing

Hi Brandon, did you see this road wash out? This is the bridge over Sage Creek – just off of the highway. I'm not sure if this is something for operations but thought you should know at least.

Cassie Mellon
Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Kleimeyer, Mitch <Mitchell.Kleimeyer@colostate.edu>
Sent: Thursday, August 31, 2023 12:51 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Subject: [EXTERNAL] Sage Creek Road Crossing

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Hi Cassie,

Forwarding these bridge photos to you in case you haven't received them yet. This is the crossing at 41.768690, -111.174216 just off of the paved road and the damage occurred during a flash/storm event the evening of 8/17/2023.

Thanks,

Mitch

Mitchell Kleimeyer
Aquatic Ecology Research Associate
Colorado Natural Heritage Program
Colorado State University
Mitchell.Kleimeyer@colostate.edu

From: David Fleshman <dflesh5@gmail.com>
Sent: Wednesday, August 30, 2023 9:37 AM
To: Kleimeyer, Mitch <Mitchell.Kleimeyer@colostate.edu>
Subject:

**** Caution: EXTERNAL Sender ****

From: [Arie Leeftang](#)
To: [Lynn Neal](#)
Cc: [Seiders, Erin S](#); [Lindsay Fenner](#); [Sheehan, Michael S](#)
Subject: Re: [EXTERNAL] Young Bros Water Infrastructure Arch Survey - Report Update
Date: Wednesday, September 13, 2023 6:48:02 AM

Thanks Lynn - the update is appreciated.

Arie



Arie Leeftang
Archaeologist

M: (801) 635-8897
E: aleeftang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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On Tue, Sep 12, 2023 at 10:01 AM Lynn Neal <lynnaneal@outlook.com> wrote:

Hi everyone,

I'm working to wrap up the report in the next couple of days.

I very much appreciate you all bearing with me to make submittal.

Respectfully, Lynn

From: Seiders, Erin S <eseiders@blm.gov>
Sent: Tuesday, September 5, 2023 9:19 AM
To: Arie Leeftang <aleeftang@utah.gov>; Lynn Neal <lynnaneal@outlook.com>
Cc: Lindsay Fenner <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>
Subject: Re: [EXTERNAL] Re: EXTERNAL Young Bros Water Infrastructure Arch Survey - Report Update

Arie,

Yes that timeline should work okay, thank you.

Sincerely,

Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office

2370 S. Decker Lake Blvd

West Valley City, UT 84119

Desk: 801-977-4334

From: Arie LeeFlang <aleeflang@utah.gov>

Sent: Tuesday, September 5, 2023 9:55 AM

To: Lynn Neal <lynnaneal@outlook.com>

Cc: Lindsay Fenner <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>; Sheehan, Michael S <msheehan@blm.gov>

Subject: [EXTERNAL] Re: EXTERNAL Young Bros Water Infrastructure Arch Survey - Report Update

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Thanks for the update Lynn - I hope you had a great weekend as well.

Erin - I trust that timeline will work. If not, please let us know.

Best wishes,

Arie

Arie LeeFlang
Archaeologist



M: (801) 635-8897
E: aleeflang@utah.gov

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On Fri, Sep 1, 2023 at 1:47 PM Lynn Neal <lynnaneal@outlook.com> wrote:

Thanks for checking in about this report and closing out the project, Arie.

The report and associated deliverables are relatively close to complete, and obviously I need to refocus and get them done.

I will get back to the reporting next week and hopefully wrap it up by week's end (9/8–9) and off to you all.

Have a nice holiday weekend, Lynn

From: Arie LeeFlang <aleeflang@utah.gov>

Sent: Friday, September 1, 2023 7:08 AM

To: lynnaneal@outlook.com

Cc: Lindsay Fenner <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>; Sheehan, Michael S <msheehan@blm.gov>

Subject: Re: [EXTERNAL] Re: Young Bros Water Infrastructure Arch Survey - Report Update

Hi Lynn-

I know you are juggling a bunch of projects right now - but could you please give us an update and expected timeline for draft deliverables for the Young Brothers project? At this point we're a couple of weeks past the final deadline but I'm assuming you're close?

Thank you,

Arie



Arie Leeftang
Archaeologist

M: (801) 635-8897
E: aleeftang@utah.gov

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On Wed, Aug 2, 2023 at 8:27 AM Sheehan, Michael S <msheehan@blm.gov> wrote:

I guess I should have read further up the email chain! LOL!

Michael S. Sheehan, Ph.D.

Cultural Resources Program Lead

BLM-Salt Lake Field Office

491 North John Glenn Rd.

Salt Lake City, UT 84116

Ph: 801-320-8373

From: Arie Leeftang <aleeftang@utah.gov>

Sent: Monday, July 31, 2023 11:21 AM

To: lynnaneal@outlook.com <lynnaneal@outlook.com>

Cc: Sheehan, Michael S <msheehan@blm.gov>; Lindsay Fenner <lfenner@utah.gov>

Subject: [EXTERNAL] Re: Young Bros Water Infrastructure Arch Survey - Report Update



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Hi Lynn-

Happy to help. For some reason it was giving me some trouble, but I finally got it figured out. Here are the stats:

BLM: 127.43

SITLA: 30.79

Private: 131.36

I hope that helps!

A



Arie LeeFlang
Archaeologist

M: (801) 635-8897

E: aleeflang@utah.gov

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On Mon, Jul 31, 2023 at 10:39 AM lynnaneal@outlook.com <lynnaneal@outlook.com> wrote:

Hi all,

I am working as quickly as I can to complete the draft report for the Young Brothers survey, and realize I'm missing some information that hopefully one or more of you has already calculated. I am looking for the project APE acreage breakdown by landowner. Is this something one of you could provide or do I need to go ahead and calculate these acreages?

Thank you, Lynn

Lynn A Neal, RPA/M.A. (*she/her/Ms.*)

Sr. Archaeologist/Historic Preservation Specialist

Environmental Compliance Consultant

LA Neal Consulting, LLC

3038 Shonto Trail

Flagstaff, AZ 86005

lynnaneal@outlook.com

928/606-2258

From: [Lynn Neal](#)
To: [Seiders, Erin S](#); [Arie Leeflang](#)
Cc: [Lindsay Fenner](#); [Sheehan, Michael S](#)
Subject: RE: [EXTERNAL] Young Bros Water Infrastructure Arch Survey - Report Update
Date: Tuesday, September 12, 2023 10:02:02 AM

Hi everyone,
I'm working to wrap up the report in the next couple of days.
I very much appreciate you all bearing with me to make submittal.
Respectfully, Lynn

From: Seiders, Erin S <eseiders@blm.gov>
Sent: Tuesday, September 5, 2023 9:19 AM
To: Arie Leeflang <aleeflang@utah.gov>; Lynn Neal <lynnaneal@outlook.com>
Cc: Lindsay Fenner <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>
Subject: Re: [EXTERNAL] Re: EXTERNAL Young Bros Water Infrastructure Arch Survey - Report Update

Arie,

Yes that timeline should work okay, thank you.

Sincerely,
Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Arie Leeflang <aleeflang@utah.gov>
Sent: Tuesday, September 5, 2023 9:55 AM
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Cc: Lindsay Fenner <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>; Sheehan, Michael S <msheehan@blm.gov>
Subject: [EXTERNAL] Re: EXTERNAL Young Bros Water Infrastructure Arch Survey - Report Update

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Thanks for the update Lynn - I hope you had a great weekend as well.

Erin - I trust that timeline will work. If not, please let us know.

Best wishes,

Arie



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Archaeologist

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Thank you,

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Archaeologist

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E: aleeftang@utah.gov

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Michael S. Sheehan, Ph.D.

Cultural Resources Program Lead

BLM-Salt Lake Field Office

491 North John Glenn Rd.

Salt Lake City, UT 84116

Ph: 801-320-8373

From: Arie LeeFlang <aleeflang@utah.gov>

Sent: Monday, July 31, 2023 11:21 AM

To: lynnaneal@outlook.com <lynnaneal@outlook.com>

Cc: Sheehan, Michael S <msheehan@blm.gov>; Lindsay Fenner <lfenner@utah.gov>

Subject: [EXTERNAL] Re: Young Bros Water Infrastructure Arch Survey - Report Update

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SITLA: 30.79

Private: 131.36

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A



Arie LeeFlang
Archaeologist

M: (801) 635-8897

E: aleeflang@utah.gov

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Division of Wildlife Resources

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Thank you, Lynn

Lynn A Neal, RPA/M.A. (*she/her/Ms.*)

Sr. Archaeologist/Historic Preservation Specialist

Environmental Compliance Consultant

LA Neal Consulting, LLC

3038 Shonto Trail

Flagstaff, AZ 86005

lynnaneal@outlook.com

928/606-2258

From: lynnaneal@outlook.com
To: [Seiders, Erin S](#)
Subject: RE: [EXTERNAL] Young Brothers Pipeline Archaeological Survey - Directions to PA
Date: Tuesday, June 20, 2023 10:44:52 AM

We're planning to be traveling to/from and in the field June 23–28.

From: Seiders, Erin S <eseiders@blm.gov>
Sent: Tuesday, June 20, 2023 7:05 AM
To: lynnaneal@outlook.com
Subject: Re: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Directions to PA

No problem Lynn, glad I could help. Do you know what date you'll be starting ?

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: lynnaneal@outlook.com <lynnaneal@outlook.com>
Sent: Friday, June 16, 2023 12:34 PM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: [EXTERNAL] RE: EXTERNAL Young Brothers Pipeline Archaeological Survey - Directions to PA

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This is very helpful and confirms what I was seeing as the best route online. Also confirms that Tremonton is the closet place to stay, and a nice heads up about gassing up in Snowville before heading off highway!

Thanks so much, Erin, and Happy long weekend to you, Lynn

From: Seiders, Erin S <eseiders@blm.gov>
Sent: Friday, June 16, 2023 9:47 AM
To: lynnaneal@outlook.com
Subject: Re: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Directions to PA

Hi Lynn,

To get to the project area you would take Highway 30 from Snowville UT. Follow signs for Park Valley and Montello NV. Once you take a left and start and start heading south it should be about nine miles and you should see a sign on the left for Kelton/Terrace. You go about 6 miles and take a right where the road splits. From there you should be able to navigate to the project area with your

GPS. The closest town for Hotel and Emergency Facilities would be Tremonton. Snowville does have a few gas stations and a couple restaurants also. I would definitely recommend topping off your gas in Snowville, no gas stations on Park Valley or Rosette. Hope this helps, I'm going to be off the rest of today but will be back in the office next Tuesday if you have any more questions. Thanks again for taking on this project.

Sincerely,

Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: lynnaneal@outlook.com <lynnaneal@outlook.com>

Sent: Friday, June 16, 2023 9:41 AM

To: Seiders, Erin S <eseiders@blm.gov>

Subject: [EXTERNAL] RE: Young Brothers Pipeline Archaeological Survey - Directions to PA

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Hey Erin,

I'm guessing you may be the best person to ask regarding the most direct directions to the project area from the interstate/highway (we will be coming into the general area from the south on I-15/I-84), and also the closest town for a place to stay and emergency services.

Thanks in advance for your input, Lynn

From: Seiders, Erin S <eseiders@blm.gov>

Sent: Thursday, June 8, 2023 9:05 AM

To: Lindsay Fenner <lfenner@utah.gov>; Arie LeeFlang <aleeflang@utah.gov>

Cc: lynnaneal@outlook.com; Sheehan, Michael S <msheehan@blm.gov>

Subject: Re: [EXTERNAL] Re: Young Brothers Pipeline Archaeological Survey - Extension

Lynn,

Thank you for accepting the extension, were looking forward to having the Young Pipeline project move forward.

Sincerely,

Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Lindsay Fenner <lfenner@utah.gov>

Sent: Thursday, June 8, 2023 9:53 AM

To: Arie Leeflang <aleeflang@utah.gov>

Cc: lynnaneal@outlook.com <lynnaneal@outlook.com>; Sheehan, Michael S <msheehan@blm.gov>;
Seiders, Erin S <eseiders@blm.gov>

Subject: [EXTERNAL] Re: Young Brothers Pipeline Archaeological Survey - Extension

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Same here. Thanks Lynn.

Lindsay

On Thu, Jun 8, 2023 at 8:52 AM Arie Leeflang <aleeflang@utah.gov> wrote:

Thanks Lynn- we appreciate your services. Best wishes,

Arie



Arie Leeflang
Archaeologist

M: (801) 635-8897
E: aleeflang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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On Thu, Jun 8, 2023 at 8:26 AM lynnaneal@outlook.com <lynnaneal@outlook.com> wrote:

Thank you so much for the deadline extension. I am very grateful.

This timeframe is doable.

I will be in touch shortly, Mike and Lindsay.

Respectfully, Lynn

Lynn A Neal, RPA/M.A. (*she/her/Ms.*)
Sr. Archaeologist/Historic Preservation Specialist
Environmental Compliance Consultant
LA Neal Consulting, LLC

3038 Shonto Trail
Flagstaff, AZ 86005
lneal@npgcable.com
928/606-2258

From: Arie Leeflang <aleeflang@utah.gov>
Sent: Wednesday, June 7, 2023 9:40 AM
To: lynnaneal@outlook.com
Cc: msheehan@blm.gov; Lindsay Fenner <lfenner@utah.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: Young Brothers Pipeline Archaeological Survey - Extension

Hi Lynn-

I've emailed with the project manager (Erin - cc'ed) and with Mike and Lindsay and we are able to make a deadline extension work (thanks Erin, Lindsay and Mike!). I'd like to propose the following deadlines to match the overall project needs:

- Fieldwork completion: 6/30/2023
- Draft deliverables submitted: 7/28/2023
- Final deliverables submitted: 8/15/2023

We'll do our best to provide a quick review on the draft deliverables. The 8/15 deadline would be a hard deadline that we'll need to adhere to.

If that works for you, please let us know. Then, please move forward with adjusting the FWAs to match the fieldwork timing. If the deadlines don't work, also please let us know and we can discuss further internally.

We appreciate your work on this project and we can definitely appreciate the challenges of running a small business! Please keep us in the loop if you run into any challenges or issues during fieldwork. Thanks,

Arie



Arie Leeflang
Archaeologist

M: (801) 635-8897
E: aleeflang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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Utah Trustlands Logo

Lindsay A. Fenner, M.A., RPA

ARCHAEOLOGIST

O: [801-538-5168](tel:8015385168)

lfenner@utah.gov

102 South 200 East, #600, SLC UT 84111 trustlands.utah.gov



• PLEASE NOTE OUR NEW OFFICE LOCATION •

From: [Arie Leeflang](#)
To: [Seiders, Erin S](#)
Cc: [Lindsay Fenner](#); [Sheehan, Michael S](#)
Subject: Re: [EXTERNAL] Young Brothers Pipeline Update
Date: Wednesday, January 17, 2024 11:18:56 AM

Hello again everyone-

I appreciate everyone's feedback and general agreement to stay the course. Yesterday I received the draft deliverables from her for another project (also significantly overdue) that were [most recently] promised last week. Good news is the report for that project was super clean and no revisions were needed. So I'm hopeful we'll get a good product on our project.

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Arie



Arie Leeflang
Cultural Resources Program Specialist

M: (801) 635-8897
E: aleeflang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Lindsay Fenner <lfenner@utah.gov>
Sent: Thursday, January 11, 2024 11:34 AM

To: Sheehan, Michael S <msheehan@blm.gov>

Cc: Arie Leeflang <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>

Subject: Re: [EXTERNAL] Young Brothers Pipeline Update

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Happy Thursday all!

Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
Salt Lake City, UT 84116
Ph: 801-320-8373

From: Arie Leeflang <aleeflang@utah.gov>

Sent: Thursday, January 11, 2024 10:39 AM

To: Lindsay Fenner <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>; Seiders, Erin S <eseiders@blm.gov>

Subject: [EXTERNAL] Young Brothers Pipeline Update

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[Utah Trustlands Logo](#)



Lindsay A. Fenner | M.A., RPA

ARCHAEOLOGIST

O: 801-538-5168

lfenner@utah.gov

102 South 200 East, #600, SLC UT 84111

trustlands.utah.gov



• PLEASE NOTE OUR NEW OFFICE LOCATION •

From: [Lindsay Fenner](#)
To: [Seiders, Erin S](#)
Cc: [Arie Leeflang](#); [Sheehan, Michael S](#)
Subject: Re: [EXTERNAL] Young Brothers Pipeline Update
Date: Wednesday, January 17, 2024 11:43:02 AM

Thanks for the update. Really glad to hear she's still plugging along on other projects and is providing a good product.

On Wed, Jan 17, 2024 at 11:40 AM Seiders, Erin S <eseiders@blm.gov> wrote:

Arie,

Thank you for the update...

Sincerely,
Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Arie Leeflang <aleeflang@utah.gov>
Sent: Wednesday, January 17, 2024 11:17 AM
To: Seiders, Erin S <eseiders@blm.gov>
Cc: Lindsay Fenner <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>
Subject: Re: [EXTERNAL] Young Brothers Pipeline Update

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To: [Arie Leeflang](#); [Seiders, Erin S](#)
Cc: [Lindsay Fenner](#)
Subject: Re: [EXTERNAL] Young Brothers Pipeline Update
Date: Wednesday, January 17, 2024 11:37:51 AM

No worries...thanks for the update Arie.

Happy Wednesday all!
Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.
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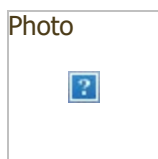
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To: [Arie Leeflang](#); [Lindsay Fenner](#); [Seiders, Erin S](#)
Subject: Re: [EXTERNAL] Young Brothers Pipeline Update
Date: Thursday, January 11, 2024 11:09:47 AM

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From: [Williams, Nancy N](#)
To: [Neff, Brandon D](#)
Subject: Re: Bear River fences
Date: Wednesday, September 13, 2023 2:36:30 PM

Yes, that was the 28 miles I mentioned in the first email.

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: Neff, Brandon D <bneff@blm.gov>
Sent: Wednesday, September 13, 2023 2:32 PM
To: Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Bear River fences

Also, were you able to get the mileage of the fence lines we discussed in the meeting?

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Tuesday, September 12, 2023 3:14 PM
To: Neff, Brandon D <bneff@blm.gov>
Subject: Fw: Bear River fences

I forgot to mention that we need to mark fences in high risk areas for grouse and if we are going to use those wood fence stays we need to mitigate for those as raptor perches as well. I can do a clip and identify the sections that need to be marked.

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road

Salt Lake City, UT 84116
(801) 320-8357

From: Williams, Nancy N <nwilliam@blm.gov>

Sent: Tuesday, September 12, 2023 2:52 PM

To: Neff, Brandon D <bneff@blm.gov>

Subject: Bear River fences

Brandon -

Attached are a pdf and shapefiles for the Bear River Fences. The fences we agreed to in the meeting yesterday are in dark green with a priority of "high". They only totaled ~28 miles, so I chose ~14 more miles of fence that I would like to see modified, which is light green with a priority of "wild". That totals ~42 miles of fence. What do you think?

[FYI - The other categories include my original highest priorities 1 purple and 2 blue, the fences I prioritized lower (low - brown), and the Stuart fence that is being removed (gray - remov)].

Nancy

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From: [Neff, Brandon D](#)
To: [Williams, Nancy N](#)
Subject: Re: Bear River fences
Date: Wednesday, September 13, 2023 2:12:06 PM

Thanks Nancy! I have a couple questions.

What does 1 & 2 mean on the legend?

What does Wild mean on the legend?

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From: [Williams, Nancy N](#)
To: [Neff, Brandon D](#)
Subject: Re: Bear River fences
Date: Wednesday, September 13, 2023 2:40:33 PM

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Brandon -

Attached are a pdf and shapefiles for the Bear River Fences. The fences we agreed to in the meeting yesterday are in dark green with a priority of "high". They only totaled ~28 miles, so I chose ~14 more miles of fence that I would like to see modified, which is light green with a priority of "wild". That totals ~42 miles of fence. What do you think?

[FYI - The other categories include my original highest priorities 1 purple and 2 blue, the fences I prioritized lower (low - brown), and the Stuart fence that is being removed (gray - remov)].

Nancy

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: [Neff, Brandon D](#)
To: [Davis, Jordan R](#); [Williams, Nancy N](#)
Subject: Re: Bear River wildlife priority fences for modification/replacement
Date: Tuesday, August 29, 2023 11:45:28 AM
Attachments: [Outlook-wjceg4kv.png](#)

I can do that. I will start the conversation with UGIP and Three Creeks to confirm whether that fence is needed or not.

Thank You

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Davis, Jordan R <jordandavis@blm.gov>
Sent: Tuesday, August 29, 2023 11:43 AM
To: Neff, Brandon D <bneff@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Bear River wildlife priority fences for modification/replacement

Thanks all, Kevin is tied in with the fence shape Nancy sent and has added it to our list for inspection.

Brandon,

Would you get with Kevin and look over a fence line in Three Creeks, Stuart Pasture and next to the Woodruff allotment. I am not seeing a purpose for the fence there and Nancy has it flagged on the shape file for modification. If it isn't needed we may just added it to the contract for removal. But please verify if it is or isn't needed.

Take care,



Jordan Davis
Assistant Field Manager
Salt Lake Field Office | Bureau of Land Management -Utah
p: (385) 278-3618
w: www.blm.gov

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, August 29, 2023 11:02 AM
To: Williams, Nancy N <nwilliam@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Re: Bear River wildlife priority fences for modification/replacement

Thank You Nancy, this will be a big help. We will be coordinating with you as the project gets further along.

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Tuesday, August 29, 2023 10:46 AM
To: Davis, Jordan R <jordandavis@blm.gov>; Neff, Brandon D <bneff@blm.gov>
Subject: Bear River wildlife priority fences for modification/replacement

I've attached the shapefile for the fences that I prioritized for replacement/modification in the Bear River area. This shapefile probably does include some fences in the Woodruff Pastures area that you have already upgraded and can therefore be removed from the project.

The total mileage of fence that I have prioritized was 102 miles (based on \$10,000 per mile). I can go back and review and narrow this down more if needed.

Nancy

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: [Davis, Jordan R](#)
To: [Neff, Brandon D](#); [Williams, Nancy N](#)
Subject: Re: Bear River wildlife priority fences for modification/replacement
Date: Tuesday, August 29, 2023 11:43:03 AM
Attachments: [Outlook-wjceg4kv.png](#)

Thanks all, Kevin is tied in with the fence shape Nancy sent and has added it to our list for inspection.

Brandon,

Would you get with Kevin and look over a fence line in Three Creeks, Stuart Pasture and next to the Woodruff allotment. I am not seeing a purpose for the fence there and Nancy has it flagged on the shape file for modification. If it isn't needed we may just added it to the contract for removal. But please verify if it is or isn't needed.

Take care,



Jordan Davis
Assistant Field Manager
Salt Lake Field Office | Bureau of Land Management -Utah
p: (385) 278-3618
w: www.blm.gov

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, August 29, 2023 11:02 AM
To: Williams, Nancy N <nwilliam@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Re: Bear River wildlife priority fences for modification/replacement

Thank You Nancy, this will be a big help. We will be coordinating with you as the project gets further along.

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Williams, Nancy N <nwilliam@blm.gov>

Sent: Tuesday, August 29, 2023 10:46 AM

To: Davis, Jordan R <jordandavis@blm.gov>; Neff, Brandon D <bneff@blm.gov>

Subject: Bear River wildlife priority fences for modification/replacement

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The total mileage of fence that I have prioritized was 102 miles (based on \$10,000 per mile). I can go back and review and narrow this down more if needed.

Nancy

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: [Neff, Brandon D](#)
To: [Williams, Nancy N](#); [Davis, Jordan R](#)
Subject: Re: Bear River wildlife priority fences for modification/replacement
Date: Tuesday, August 29, 2023 11:02:05 AM

Thank You Nancy, this will be a big help. We will be coordinating with you as the project gets further along.

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Tuesday, August 29, 2023 10:46 AM
To: Davis, Jordan R <jordandavis@blm.gov>; Neff, Brandon D <bneff@blm.gov>
Subject: Bear River wildlife priority fences for modification/replacement

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Nancy

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: [Neff, Brandon D](#)
To: [Davis, Jordan R](#); [Williams, Nancy N](#)
Subject: Re: Bear River wildlife priority fences for modification/replacement
Date: Tuesday, August 29, 2023 1:27:51 PM
Attachments: [Outlook-wjceg4kv.png](#)

Hi All,

I just had a conversation with Taylor Payne about the fence in the southeast corner of the Stuart Pasture. He recommended removal of the fence and stated it served no purpose and is a liability/impediment if anything. I will follow up with Dale Lamborn to make sure, but it sounds like this is a fence line we could put on the removal list.

Thanks

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Davis, Jordan R <jordandavis@blm.gov>
Sent: Tuesday, August 29, 2023 11:43 AM
To: Neff, Brandon D <bneff@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Bear River wildlife priority fences for modification/replacement

Thanks all, Kevin is tied in with the fence shape Nancy sent and has added it to our list for inspection.

Brandon,

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Take care,

Jordan Davis
Assistant Field Manager



Salt Lake Field Office | Bureau of Land Management -Utah
p: (385) 278-3618
w: www.blm.gov

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, August 29, 2023 11:02 AM
To: Williams, Nancy N <nwilliam@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Re: Bear River wildlife priority fences for modification/replacement

Thank You Nancy, this will be a big help. We will be coordinating with you as the project gets further along.

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Tuesday, August 29, 2023 10:46 AM
To: Davis, Jordan R <jordandavis@blm.gov>; Neff, Brandon D <bneff@blm.gov>
Subject: Bear River wildlife priority fences for modification/replacement

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The total mileage of fence that I have prioritized was 102 miles (based on \$10,000 per mile). I can go back and review and narrow this down more if needed.

Nancy

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road

Salt Lake City, UT 84116
(801) 320-8357

From: [Rose, Marcus F](#)
To: [Gallegos, Heather D](#); [Howell, Tami L](#)
Subject: RE: CBS Fee waivers
Date: Monday, November 13, 2023 7:41:00 AM

Okay thanks Heather. I wonder if they paid it right before we sent the late fee waivers in.

From: Gallegos, Heather D <hgallegos@blm.gov>
Sent: Thursday, November 9, 2023 10:24 AM
To: Rose, Marcus F <mrose@blm.gov>; Howell, Tami L <thowell@blm.gov>
Subject: FW: CBS Fee waivers

Marcus,

Waivers have been entered; I will work with Erica next week to do the refund.

Thank you

From: CBS_WaiveLateFee, BLM_OC <BLM_OC_CBS_WaiveLateFee@blm.gov>
Sent: Thursday, November 9, 2023 9:54 AM
To: Gallegos, Heather D <hgallegos@blm.gov>
Subject: Re: CBS Fee waivers

Hello Heather,

Your waiver requests have been completed. Summary Bill 2023027231 has an overpayment of 137.16. You will need to do a refund to the customer. thank you

From: Gallegos, Heather D <hgallegos@blm.gov>
Sent: Thursday, November 9, 2023 8:56 AM
To: CBS_WaiveLateFee, BLM_OC <BLM_OC_CBS_WaiveLateFee@blm.gov>
Cc: Rose, Marcus F <mrose@blm.gov>; Howell, Tami L <thowell@blm.gov>
Subject: CBS Fee waivers

Please see attached.

Thank you,

Heather Corona

From: [Puttere, Jennifer M](#)
To: [Gallegos, Heather D](#); [Neff, Brandon D](#)
Cc: [Wade, Jessica A](#)
Subject: RE: Dee's inc
Date: Friday, November 3, 2023 9:36:27 AM
Attachments: [Grazing Schedule 2023-2024 DeesInc BasinLL \(1\).pdf](#)
[image004.png](#)

Signed

Jennifer Puttere
Assistant Field Manager, Renewables – Salt Lake Field Office
West Desert District
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, Utah 84116
Desk Phone: 801-320-8364
Cell Phone: 385-471-1518

From: Gallegos, Heather D <hgallegos@blm.gov>
Sent: Friday, November 3, 2023 9:29 AM
To: Puttere, Jennifer M <jputtere@blm.gov>; Neff, Brandon D <bneff@blm.gov>
Subject: Dee's inc

Jennifer,

I need this signed but due to you not being in dts I was not able to add you to the routing. can you please at your soonest convenience digital sign or print, sign, and scan back to me?

I apologize for any inconvenience.

Thank you so much,

*''')

,,.' ,,.'*''') ,,.'*''')

(,.' (,.' *Heather Corona*

Administrative Support Assistant.
West Desert District
Department of the Interior
Bureau of Land Management
Work-801-320-8300



From: [Jencso, Emily D](#)
To: [Rose, Marcus F](#)
Cc: [Davis, Jordan R](#); [Howell, Tami L](#); [Atwood, Mark L](#); [Redington, Jared](#); [Mellon, Cassie D](#); [Puttere, Jennifer M](#)
Subject: Re: DLT Updates 10/2/23
Date: Wednesday, October 4, 2023 2:09:16 PM
Attachments: [jwced001.png](#)

I think having Joe run out there would be a good idea.

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Rose, Marcus F <mrose@blm.gov>
Sent: Wednesday, October 4, 2023 1:58 PM
To: Jencso, Emily D <ejencso@blm.gov>
Cc: Davis, Jordan R <jordandavis@blm.gov>; Howell, Tami L <thowell@blm.gov>; Atwood, Mark L <matwood@blm.gov>; Redington, Jared <jredingt@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>; Puttere, Jennifer M <jputtere@blm.gov>
Subject: RE: DLT Updates 10/2/23

That sounds great. Yes, I can work with them and facilitate the effort. Maybe we can have Joe run up to get an inventory of supplies needed this week or next, unless Lucas has already done that with his fence mapping effort over the summer.

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Wednesday, October 4, 2023 1:38 PM
To: Rose, Marcus F <mrose@blm.gov>
Cc: Davis, Jordan R <jordandavis@blm.gov>; Howell, Tami L <thowell@blm.gov>; Atwood, Mark L <matwood@blm.gov>; Redington, Jared <jredingt@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>; Puttere, Jennifer M <jputtere@blm.gov>
Subject: Fw: DLT Updates 10/2/23

Hi Marcus and Jordan,

The fire/fuels folks have kindly agreed to help fix the buck and pole fence out at the Kimball Creek enclosure that is currently non-functional. Can you (Marcus) help with facilitating this effort? It would be great to show in the causal factor analysis and EA that we have already taken steps to fix the primary reason for this riparian area not being in PFC.

Best,
Em

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Atwood, Mark L <matwood@blm.gov>
Sent: Wednesday, October 4, 2023 12:22 PM
To: Jencso, Emily D <ejencso@blm.gov>
Cc: Jessop, Brad D <bdjessop@blm.gov>; Chong, Jared A <jchong@blm.gov>; Hunter, Nathan S <nhunter@blm.gov>; Tateishi, Michael L <mtateishi@blm.gov>; Valdez, Erik L <evaldez@blm.gov>
Subject: RE: DLT Updates 10/2/23

Emily

I wanted to share where we have landed on assisting with some of the task requests. I have CC'd a few folks that are going to assist with coordinating this work. After working through the details this is what we have come up with:

- **Fix the Kimball Creek enclosure fence (Buck and pole)**
 - 1 day 5-6 people
 - Week of October 16-20
- **Cluster Springs - Pulling bullrush.**
 - 4-6 people couple days 2-3
 - Week of October 16-20.

Not sure that this will all line up that week but that would be a good time for us.

I am headed out on leave (After today) and as the fuel's folks have a chance to coordinate amongst themselves, they will reach out to you to iron out the details.

I hope this helps to let you know how we can help. As far as the other efforts we discussed it's not likely that we will have the folks to commit to those.



Mark Atwood
Fuels Program Lead (Detailed)
DOI-Bureau of Land Management, Utah
West Desert District
491 N John Glenn Rd
Salt Lake City, UT 84116
Office:
Cell: (970)422-2277

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Tuesday, October 3, 2023 2:33 PM
To: Atwood, Mark L <matwood@blm.gov>
Subject: Re: DLT Updates 10/2/23

Hi Mark, I can chat now if you would like. We can talk on Teams.

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954

Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Atwood, Mark L <matwood@blm.gov>
Sent: Tuesday, October 3, 2023 2:23 PM
To: Jencso, Emily D <ejencso@blm.gov>
Subject: FW: DLT Updates 10/2/23

Emily

When might you have a minute to share some details with me on the project efforts below. I will round up the information and work with Brad and Jared on what we can get done based on what I learn from you.

Thanks



Mark Atwood
Fuels Program Lead (Detailed)
DOI-Bureau of Land Management, Utah
West Desert District
491 N John Glenn Rd
Salt Lake City, UT 84116
Office:
Cell: (970)422-2277

From: Jessop, Brad D <bdjessop@blm.gov>
Sent: Tuesday, October 3, 2023 2:16 PM
To: Atwood, Mark L <matwood@blm.gov>; Valdez, Erik L <evaldez@blm.gov>; Chong, Jared A <jchong@blm.gov>
Cc: Jencso, Emily D <ejencso@blm.gov>; Puttere, Jennifer M <jputtere@blm.gov>
Subject: RE: DLT Updates 10/2/23

All,
It seems to me that the term Fuels Crew is being used to capture all fall/winter work to be done by Fire personnel and may not be specifically asking for the actual Fuels Crew. Could we get some clarification so that we can identify who needs to be included in the conversation?

Thanks,

From: Atwood, Mark L <matwood@blm.gov>
Sent: Tuesday, October 3, 2023 1:56 PM
To: Valdez, Erik L <evaldez@blm.gov>; Jessop, Brad D <bdjessop@blm.gov>; Chong, Jared A <jchong@blm.gov>
Cc: Jencso, Emily D <ejencso@blm.gov>; Puttere, Jennifer M <jputtere@blm.gov>
Subject: RE: DLT Updates 10/2/23

I have captured these two projects on out winter work fuels spreadsheet. I will have Brad and Jared get the detail on these projects and see how it can best fit into the current workload.



Mark Atwood
Fuels Program Lead (Detailed)
DOI-Bureau of Land Management, Utah
West Desert District
491 N John Glenn Rd
Salt Lake City, UT 84116
Office:
Cell: (970)422-2277

From: Valdez, Erik L <evaldez@blm.gov>
Sent: Tuesday, October 3, 2023 1:46 PM
To: Atwood, Mark L <matwood@blm.gov>; Jessop, Brad D <bdjessop@blm.gov>; Chong, Jared A <jchong@blm.gov>
Cc: Jencso, Emily D <ejencso@blm.gov>; Puttere, Jennifer M <jputtere@blm.gov>
Subject: Fw: DLT Updates 10/2/23

All,
See if there is an opportunity to help with these tasks starting next Tuesday.
Thanks,
Erik

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Tuesday, October 3, 2023 1:42 PM
To: Puttere, Jennifer M <jputtere@blm.gov>; Barth, Jonathan R <jbarth@blm.gov>; Blackhurst, Travis L <tblackhurst@blm.gov>; Cluff, Brandon M <bcluff@blm.gov>; Darby, Zachary D <zdarby@blm.gov>; Henzler, Lucas D <lhenzler@blm.gov>; Schmitz, Kevin T <kschmitz@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Rose, Marcus F <mrose@blm.gov>; Valdez, Erik L <evaldez@blm.gov>
Subject: Re: DLT Updates 10/2/23

Jennifer -

Here are a few other fuels crew requests:

1. Install escape ramps on livestock troughs. Brandon and Travis will be doing this the rest of this week so they could join in this effort.
2. Fix the Kimball Creek enclosure that is currently non functional

Thank you.

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Tuesday, October 3, 2023 12:17 PM
To: Puttere, Jennifer M <jputtere@blm.gov>; Barth, Jonathan R <jbarth@blm.gov>; Blackhurst, Travis L <tblackhurst@blm.gov>; Cluff, Brandon M <bcluff@blm.gov>; Darby, Zachary D <zdarby@blm.gov>; Henzler, Lucas D <lhenzler@blm.gov>; Schmitz, Kevin T <kschmitz@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>; Chante Lundskog <clundskog@utah.gov>; Mellon, Cassie D <cmellon@blm.gov>
Subject: Re: DLT Updates 10/2/23

We would like to utilize the Fuels crew to accomplish the restoration work we had scheduled for Public Lands Day out at Cluster Springs. When are they available?

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Puttere, Jennifer M <jputtere@blm.gov>

Sent: Tuesday, October 3, 2023 10:57 AM

To: Barth, Jonathan R <jbarth@blm.gov>; Blackhurst, Travis L <tblackhurst@blm.gov>; Cluff, Brandon M <bcluff@blm.gov>; Darby, Zachary D <zdarby@blm.gov>; Henzler, Lucas D <lhenzler@blm.gov>; Jencso, Emily D <ejencso@blm.gov>; Schmitz, Kevin T <kschmitz@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>

Subject: DLT Updates 10/2/23

Updates from DLT:

- Tech refresh will occur in November and December of this year. Operations/IT will work through individual groups.
- USA Performance is going live. The system will be used for EPAPs. DOI Talent will continue to be used for training and IDPs.
- Starting tomorrow, Concur is switching to a single sign-on. Please follow the directions in the instructions I have attached to this email. These are the same instructions sent by Shekeetah a few days ago.
- Operations is starting to look at roads that have been washed out, mainly in the northern half of the district at this time.
- Let me know if anyone in this group is interested in being part of the Safety Committee
- Let me know if anyone has fall/winter work for the Fuels crews
- You can continue to put in Authorizations into Concur; however, vouchers cannot be approved until October 17th.

Not part of the DLT meeting, just a reminder that next Tuesday, October 10th, is the new Hydrologist's first day. His name is Nathan Fish, and he will be in the cubicle across from Nancy.

Jennifer Puttere
Assistant Field Manager, Renewables – Salt Lake Field Office
West Desert District
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, Utah 84116
Desk Phone: 801-320-8364
Cell Phone: 385-471-1518

From: [Rose, Marcus F](#)
To: [Jessop, Brad D](#)
Subject: RE: Fuels treatments within West Box Elder permit renewal area
Date: Monday, October 30, 2023 3:41:00 PM

Great, thanks for looking that over!

From: Jessop, Brad D <bdjessop@blm.gov>
Sent: Monday, October 30, 2023 2:56 PM
To: Rose, Marcus F <mrose@blm.gov>
Subject: RE: Fuels treatments within West Box Elder permit renewal area

Marcus,

It looks I only found one date that was incorrect. Cook Canyon Bullhog happened in 2004 not 2007. Other than that, Badger Flat Bullhog Phase One was missing a letter. (Red highlights below).

Brad

The SLFO has completed multiple fuels projects to reduce juniper cover in sagebrush communities within the Dry Canyon, Kimball Creek, and Red Butte allotments (Figure 3).

Treatments in the Dry Canyon allotment include the North Grouse Creek Bullhog in 2008, North Grouse Creek Slashing (lop and scatter treatment) in 2011, North Grouse Creek Bullhog Phase II in 2012, and North Grouse Creek Bullhog Second Entry in 2013. Future lop and scatter and bullhog treatments in the Dry Canyon allotment are planned for 2023 and 2024.

Treatments in the Kimball Creek allotment include the Kimball Creek Bullhog in 2006, Kimball Creek HLI slashing in 2007, Kimball Creek Bullhog Maintenance in 2009, and Kimball Creek Bullhog Phase One and Two in 2010 and 2011. Additional lop and scatter treatments are planned for 2023.

Treatments in the Red Butte allotment include the Cook Canyon Bullhog in 2004, Cook Canyon Bullhog Phase Two in 2009, Badger Flat Bullhog Phase One and Badger Flat Green Strip in 2010, Grouse Creek Bullhog Phase Two in 2012, Grouse Creek Bullhog Phase Three in 2016, and Cook Canyon Bullhog in 2023.

Seedings generally took place with bullhog treatments.

From: Rose, Marcus F <mrose@blm.gov>
Sent: Monday, October 30, 2023 1:20 PM
To: Jessop, Brad D <bdjessop@blm.gov>
Subject: Fuels treatments within West Box Elder permit renewal area

Hi Brad,

The paragraph below is what I have been able to put together describing fuels treatments in the

West Box Elder permit renewal area (Dry Canyon, Kimball Creek, Lynn, Owl Springs and Red Butte allotments). Could you read through this description to make sure the dates are accurate, and I have not left out any treatments?

Thanks,

Marcus

The SLFO has completed multiple fuels projects to reduce juniper cover in sagebrush communities within the Dry Canyon, Kimball Creek, and Red Butte allotments (Figure 3). Treatments in the Dry Canyon allotment include the North Grouse Creek Bullhog in 2008, North Grouse Creek Slashing (lop and scatter treatment) in 2011, North Grouse Creek Bullhog Phase II in 2012, and North Grouse Creek Bullhog Second Entry in 2013. Future lop and scatter and bullhog treatments in the Dry Canyon allotment are planned for 2023 and 2024. Treatments in the Kimball Creek allotment include the Kimball Creek Bullhog in 2006, Kimball Creek HLI slashing in 2007, Kimball Creek Bullhog Maintenance in 2009, and Kimball Creek Bullhog Phase One and Two in 2010 and 2011. Additional lop and scatter treatments are planned for 2023. Treatments in the Red Butte allotment include the Cook Canyon Bullhog in 2007, Cook Canyon Bullhog Phase Two in 2009, Badger Flat Bullhog Phase One and Badger Flat Green Strip in 2010, Grouse Creek Bullhog Phase Two in 2012, Grouse Creek Bullhog Phase Three in 2016, and Cook Canyon Bullhog in 2023. Seedings generally took place with bullhog treatments.

Marcus Rose
Rangeland Management Specialist
Bureau of Land Management
Salt Lake Field Office
Office: 801-320-8352
Cell: 385-600-1049

From: [Arie Leeftang](#)
To: [Seiders, Erin S](#)
Cc: [Lindsay Fenner](#); [Sheehan, Michael S](#)
Subject: Re: Fw: [EXTERNAL] Fwd: Young Brothers Pipeline Archaeological Survey - Check In 6-5-23
Date: Wednesday, June 7, 2023 7:02:05 AM

Thanks Erin (and Mike and Lindsay)-

I appreciate you running it up the chain - and for Mike and Lindsay considering it. It is definitely unfortunate and disappointing things are late, but I'm glad you are able to make some room in the schedule. If we put a final due date of 8/15 would that work?

It sounds like she was aiming to do the survey this month and the report next month. We can definitely push to have things done quicker if the project schedule requires it - but if 8/15 works, I'll run with that (with tight constraints).

Arie



Arie Leeftang
Archaeologist

M: (801) 635-8897
E: aleeftang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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On Wed, Jun 7, 2023 at 6:55 AM Seiders, Erin S <eseiders@blm.gov> wrote:

Arie,

Thanks again for the update. Its unfortunate that we are going to be delayed some with the Young Pipeline project but that being said, it's sounding like its a good idea to do an extension. I talked with my supervisor and he also agrees for moving forward. I agree with Mike on getting a "locked in" timeline so that we don't have more delays. Thank you all for your insight and help on this project.

Sincerely,

Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Lindsay Fenner <lfenner@utah.gov>

Sent: Tuesday, June 6, 2023 9:20 AM

To: Sheehan, Michael S <msheehan@blm.gov>

Cc: Arie Leeflang <aleeflang@utah.gov>; Seiders, Erin S <eseiders@blm.gov>

Subject: Re: [EXTERNAL] Fwd: Young Brothers Pipeline Archaeological Survey - Check In 6-5-23

I'm on board with your thinking, Mike. We'd surely be working with a bigger time frame if we start over fresh. And I'm honestly a bit surprised, while I've never personally worked with Lynn, my impression was not of someone who would drop the ball like this. I don't have a problem sticking with her here, but how she treats the remainder of the project will make a difference moving forward.

I'm not sure what those caveats need to be, but you're right Mike, there needs to be language to help make sure this doesn't happen again. I've contacted my range manager over this project and am waiting to get his impression on an updated time frame.

Really glad you checked in with Lynn, Arie. Thank you as always for your thoughtful management of these projects.

On Tue, Jun 6, 2023 at 8:06 AM Sheehan, Michael S <msheehan@blm.gov> wrote:

Hey Arie,

I'm inclined to agree with you. I think the consultant is a good one (which counts for something in my mind), and more importantly cancelling the contract and starting over might involve a more extensive time delay than simply offering an extension. Any extension though ought to have caveats attached. For example, the time-frame should be conditioned by broader project needs and it should be made clear that additional extensions are off the table. That's my thinking anyway...

Happy Tuesday all!

Mike

Michael S. Sheehan, Ph.D.
Cultural Resources Program Lead
BLM-Salt Lake Field Office
491 North John Glenn Rd.

Salt Lake City, UT 84116
Ph: 801-320-8373

From: Arie Leeflang <aleeflang@utah.gov>
Sent: Tuesday, June 6, 2023 7:57 AM
To: Seiders, Erin S <eseiders@blm.gov>
Cc: Lindsay Fenner <lfenner@utah.gov>; Sheehan, Michael S <msheehan@blm.gov>
Subject: [EXTERNAL] Fwd: Young Brothers Pipeline Archaeological Survey - Check In 6-5-23

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Hi Erin-

I hope things are well. I reached out to the cultural resource contractor for the Young Brothers Pipeline project for a status update. The project is due on the 15th and it sounds like it hasn't started yet (ugh). Are you open to an extension on the project schedule?

It's definitely a sticky moment- I can cancel the contract if needed for poor performance, but we'd be back to square one on contracting and we'd probably lose more time. I personally would recommend retaining the contractor and providing an extension. But this is a BLM project (if I remember correctly) and I'm just running the contract - so I defer to you needs. When you have a moment, let me know what you think. (Mike and Lindsay, please feel free to jump in as well).

Thanks,

Arie



Arie Leeflang
Archaeologist

M: (801) 635-8897

E: aleeflang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



wildlife.utah.gov

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

From: lynnaneal@outlook.com <lynnaneal@outlook.com>

Date: Mon, Jun 5, 2023 at 4:42 PM

Subject: RE: Young Brothers Pipeline Archaeological Survey - Check In 6-5-23

To: Arie LeeFlang <aleeflang@utah.gov>

Hi Arie,

Wow, time has flown by for me in general and definitely since this project's inception.

My sincerest apologies for not getting in touch with you much sooner. I had planned to contact you last week, but the gist of it is that I need to request more time for completion of this project. I was hoping to get into the field to complete the fieldwork later this month and to work on the report through July.

Let me know what kind of time you can give me; I'll take as much as I can get yet also try to condense the schedule wherever possible.

I will reach out to Michael and Lindsay with revised FW Authorization Requests after I hear back from you.

Thank you for reaching out and rattling my cage; I needed it. Have been beyond slammed with life and work, and actually looking forward to getting into the field.

Respectfully, Lynn

Lynn A Neal, RPA/M.A. (*she/her/Ms.*)

Sr. Archaeologist/Historic Preservation Specialist

Environmental Compliance Consultant

LA Neal Consulting, LLC

3038 Shonto Trail

Flagstaff, AZ 86005

lneal@npgcable.com

928/606-2258

From: Arie Leeflang <aleeflang@utah.gov>
Sent: Monday, June 5, 2023 2:36 PM
To: lneal@npgcable.com
Cc: Sheehan, Michael S <msheehan@blm.gov>; Lindsay Fenner <lfenner@utah.gov>;
Seiders, Erin S <eseiders@blm.gov>
Subject: Re: Young Brothers Pipeline Archaeological Survey - Kickoff Mtg 3-30-23
Complete

Hi Lynn-

I hope things are going well. I wanted to check in on the Young Brothers Pipeline project and see how things are progressing. Were you able to finish up the fieldwork and are on to the report?

Thanks in advance. Best wishes,

Arie



Arie Leeflang
Archaeologist

M: (801) 635-8897
E: aleeflang@utah.gov

Utah Department of Natural Resources
Division of Wildlife Resources



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--

Utah Trustlands Logo



Lindsay A. Fenner, M.A., RPA

ARCHAEOLOGIST

O: 801-538-5168

lfenner@utah.gov

102 South 200 East, #600, SLC UT 84111

trustlands.utah.gov



• **PLEASE NOTE OUR NEW OFFICE LOCATION** •

From: [Shane Hill](#)
To: [Daniel Olson](#)
Cc: [Neff, Brandon D](#); [Mellon, Cassie D](#); [Davis, Jordan R](#)
Subject: Re: Fw: [EXTERNAL] Riparian Repair Invoice
Date: Tuesday, July 25, 2023 3:47:54 PM

Brandon & Cassie. As far as I can tell there was only \$2,800 allocated for this project (5983). I'm not sure we can use any funds from 5519. Do you know where we can move the extra \$1000 to cover this invoice?

On Tue, Jul 25, 2023 at 3:27 PM Daniel Olson <danielolson@utah.gov> wrote:
Sorry that didn't come through. Here is the invoice.

On Tue, Jul 25, 2023 at 3:11 PM Shane Hill <sahill@utah.gov> wrote:

I can help out. There is no invoice attached though.

Looking at the carryover request it looks like we didn't request any money be held over for #5519, we noted that it would be complete before the end of the fiscal year. There is, however, \$2,800 remaining in #5983.

On Tue, Jul 25, 2023 at 2:53 PM Daniel Olson <danielolson@utah.gov> wrote:
Thanks, Brandon! Shane, can you help Brandon process this payment?

On Mon, Jul 24, 2023 at 1:48 PM Neff, Brandon D <bneff@blm.gov> wrote:

Hi Daniel,

I am forwarding an invoice from B&C Fencing, it is for the repair work on the N Otter Creek Exclosure this year, after last year's snow load wrecked it. Please let me know if I need to do anything more to help facilitate payment. The funding is parked in WRI under Rich County Exclosure Maintenance there are two project #'s, 5519 (FY21 & 22 BIL Funding) and 5983 (FY23 BIL Funding). I am not sure if there's a specific funding year you'd rather take out of, but Cassie and I were thinking to use the 5519 first since it is older. Also, if possible, Cassie and I were thinking that it would be nice to combine the two funding sources into one, we just aren't sure of the process or stipulations that might have on the WRI side under the Good Neighbor Authority.

Thank You

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: bandcfencing.utah@yahoo.com <bandcfencing.utah@yahoo.com>
Sent: Tuesday, July 18, 2023 9:08 PM

To: Neff, Brandon D <bneff@blm.gov>
Subject: [EXTERNAL] Riparian Repair Invoice

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Brandon,

Here's the invoice for repairs on the riparian area up Otter Creek. Let us know if you need anything else to get this processed.

Chancey

--

Photo



Daniel Olson, PhD

Northern Region Habitat Program Manager

M: (385) 415-4010

E: danielolson@utah.gov

Utah Department of Natural Resources

Division of Wildlife Resources

wildlife.utah.gov



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--

Photo



Shane Hill

Habitat Restoration Biologist

M: (385) 985-7526

E: sahill@utah.gov

Utah Department of Natural Resources

Division of Wildlife Resources

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--

Photo



Daniel Olson, PhD

Northern Region Habitat Program Manager

M: (385) 415-4010

E: danielolson@utah.gov

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--

Photo



Shane Hill

Habitat Restoration Biologist

M: (385) 985-7526

E: sahill@utah.gov

Utah Department of Natural Resources

Division of Wildlife Resources

wildlife.utah.gov



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From: [Barth, Jonathan R](#)
To: [Seiders, Erin S](#); [Rose, Marcus F](#)
Subject: RE: Grazing history on ESR AIM survey plots
Date: Thursday, August 17, 2023 7:04:32 PM
Attachments: [image001.png](#)

I think there is some security blocking it. I can't even open if from the link I shared.
I see that Erin has entered some of the info. Thanks!
Please try again later. If I don't see any edits next week, I'll move it to a the Z drive and send out the path.

Thanks,
Jonathan

From: Seiders, Erin S <eseiders@blm.gov>
Sent: Thursday, August 17, 2023 3:51 PM
To: Rose, Marcus F <mrose@blm.gov>; Barth, Jonathan R <jbarth@blm.gov>
Subject: Re: Grazing history on ESR AIM survey plots

I was able to go into it a while ago, but now it won't open for me either...

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Rose, Marcus F <mrose@blm.gov>
Sent: Thursday, August 17, 2023 3:33 PM
To: Barth, Jonathan R <jbarth@blm.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: RE: Grazing history on ESR AIM survey plots

I can't open the document for some reason. I am guessing I do not have permission to open it where you have it saved.

Thanks,
Marcus

From: Barth, Jonathan R <jbarth@blm.gov>
Sent: Thursday, August 17, 2023 1:43 PM
To: Rose, Marcus F <mrose@blm.gov>; Seiders, Erin S <eseiders@blm.gov>
Subject: Grazing history on ESR AIM survey plots

Hi Marcus and Erin,

I need to enter the grazing history in the AIM surveys I'm doing on ESR sites. I have looked up the

Grazing Allotment/Pasture/Pasture# for each of the points. I have also included the GPS coordinates just in case part of a pasture or allotment was allowed to be grazed, and not the entire allotment/pasture. If known, also enter any unauthorized or accidental grazing you know of, and when.

Please open the Excel file linked to below, and enter information in the two far right columns.

- “Date Last Grazed” [for example, March 2020]
- “Projected Resumption of Grazing (if known)” [for example, March 2024]

Here is a link to the Excel file “Grazing history on ESR AIM survey plots up to 2023.xlsx”

 https://doimspp-my.sharepoint.com/:x:/g/personal/jbarth_blm_gov/ETMihgErKWdEsXnVAeCWqSQBdQi-VSh4S_mK4d6kB5G8gg?e=ZZPWgd

If these allotments are not yours, will you forward this message to your colleagues that oversee those? CC me so I know who to follow up with. Thanks for your help so far, and with this information gathering.

Thanks,
Jonathan Barth
ESR AIM

From: Jencso, Emily D
To: Davis, Jordan R; Puttere, Jennifer M; Williams, Nancy N; Rose, Marcus F; Tucker, Dylan W; Bullock, Jerry D; Neff, Brandon D
Subject: Re: Grouse and Grazing News Article
Date: Thursday, November 9, 2023 2:14:44 PM
Attachments: [D:\B00K-047\JenV4.mxd](#)

I look forward to seeing the published/peer-reviewed research on this. Do you know if they were using rotational grazing? I am glad to see long-term collaborative research in this realm. The recent paper from McGinn et al. (2022) showed non-native ungulates (horses and livestock) have a negative impact on brood-rearing habitat, specifically from year-round pressure of horses, and livestock grazing that occurs at the same time annually rather than a rotational grazing system.

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Davis, Jordan R <jordandavis@blm.gov>
Sent: Monday, November 6, 2023 9:59 AM
To: Puttere, Jennifer M <jputtere@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>; Jencso, Emily D <ejencso@blm.gov>; Rose, Marcus F <mrose@blm.gov>; Tucker, Dylan W <dwttucker@blm.gov>; Bullock, Jerry D <jdbulloc@blm.gov>; Neff, Brandon D <bneff@blm.gov>
Subject: Grouse and Grazing News Article

I am sure you have already seen this but incase you haven't below is an article on some research being completed on cattle spring grazing in GRSG nesting success in Idaho.

<https://www.uidaho.edu/news/feature-stories/sage-grouse-ten>



Grouse and Grazing

Read how a 10-year study by a team of University of Idaho scientists reveals that cattle grazing has little influence on sage grouse nests or their food sources.

www.uidaho.edu



Jordan Davis
Acting Field Manager
Price Field Office | Bureau of Land Management - Utah
p: (435) 636-3659
w: www.blm.gov

From: [Seiders, Erin S](#)
To: [Rose, Marcus F](#)
Subject: Re: Grouse Creek Allotment information
Date: Thursday, August 24, 2023 1:52:24 PM

Awesome, thanks Marcus !!!

Get [Outlook for iOS](#)

From: Rose, Marcus F <mrose@blm.gov>
Sent: Thursday, August 24, 2023 1:03:38 PM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: Grouse Creek Allotment information

Hi Erin,

Here is some information about the Grouse Creek allotment for next week. There should not be cows along Straight Fork creek on the south end of the allotment. Also if you can get a good count of how many cows there are with each brand that would be very helpful. Let me know if you have any questions.

Thanks for being willing to run up there and check things out!

Marcus Rose
Rangeland Management Specialist
Bureau of Land Management
Salt Lake Field Office
Office: 801-320-8352
Cell: 385-600-1049

From: [Rose, Marcus F](#)
To: [Bullock, Jerry D](#)
Subject: RE: Ingham and Keg Springs Trend
Date: Thursday, August 31, 2023 9:49:00 AM

Okay thanks Jerry

From: Bullock, Jerry D <jdbulloc@blm.gov>
Sent: Thursday, August 31, 2023 9:47 AM
To: Rose, Marcus F <mrose@blm.gov>
Subject: Re: Ingham and Keg Springs Trend

I may have been looking at it wrong. The new invite is 11th and 12th . Let me know if you don't have enough help. I'd rather not be out monitoring that whole week but I will if your in a bind.

Jerry Bullock
Range Management Specialist
Bureau of Land Management
Salt Lake Field Office
491 North John Glenn Road
Salt Lake City, Utah 84116
Office: (801) 320-8326
Cell: (801) 232-7551

From: Rose, Marcus F <mrose@blm.gov>
Sent: Thursday, August 31, 2023 9:36 AM
To: Bullock, Jerry D <jdbulloc@blm.gov>
Subject: RE: Ingham and Keg Springs Trend

Is it still showing as the 6th and 7th? I changed it and sent out a different invitation for the afternoon of September 11th and the 12th .

From: Bullock, Jerry D <jdbulloc@blm.gov>
Sent: Thursday, August 31, 2023 9:14 AM
To: Rose, Marcus F <mrose@blm.gov>
Subject: Re: Ingham and Keg Springs Trend

Sorry Marcus, I'd help but I told Dylan I would help him on that Wednesday.

Jerry Bullock
Range Management Specialist
Bureau of Land Management
Salt Lake Field Office

491 North John Glenn Road
Salt Lake City, Utah 84116
Office: (801) 320-8326
Cell: (801) 232-7551

From: Rose, Marcus F <mrose@blm.gov>

Sent: Thursday, August 24, 2023 7:22 AM

Cc: Neff, Brandon D <bneff@blm.gov>; Tucker, Dylan W <dwtucker@blm.gov>; Bullock, Jerry D <jdbulloc@blm.gov>; Royal, Kevin A <kroyal@blm.gov>

Subject: Ingham and Keg Springs Trend

When: Wednesday, September 6, 2023, 6:30 AM to Thursday, September 7, 2023, 6:00 PM.

Where:

Figured I would send this out to everyone in case anyone wanted to come along for some trend monitoring in Box Elder County. There is one point to visit on the Ingham allotment and two on Keg Springs. I am thinking we will stay at the Rosebud field station overnight. Thanks!

From: [Davis, Jordan R](#)
To: [Goodrich, Philip \(Chip\)](#); [Verhoef, Nicholas S](#)
Cc: [Seiders, Erin S](#); [Kurchinski, Matthew](#); [Batty, Ronald \(Keith\)](#)
Subject: Re: Land Surveyor Report for Young Brothers Pipeline - [SIGNITURE REQUIRED]
Date: Thursday, September 7, 2023 3:25:57 PM
Attachments: [LSR-YOUNG BROTHERS PIPELINE.pdf](#)
[Outlook-t2pxdmru.png](#)

Philip,

I have signed and attached the LSR for the Young Brother's Pipeline. Let me know if you need anything else.

Take care,



Jordan Davis
Assistant Field Manager
Salt Lake Field Office | Bureau of Land Management -Utah
p: (385) 278-3618
w: www.blm.gov

From: Goodrich, Philip (Chip) <pgoodrich@blm.gov>
Sent: Tuesday, September 5, 2023 4:44 PM
To: Davis, Jordan R <jordandavis@blm.gov>; Verhoef, Nicholas S <nverhoef@blm.gov>
Cc: Seiders, Erin S <eseiders@blm.gov>; Kurchinski, Matthew <mkurchin@blm.gov>; Batty, Ronald (Keith) <rbatty@blm.gov>
Subject: Land Surveyor Report for Young Brothers Pipeline - [SIGNITURE REQUIRED]

Attached to this email is a scanned copy of the Land Surveyor Report for the Young Brothers Pipeline. Jordan, as the authorizing official, when convenient, could you please review the report and attachments, fill out page 5, sign it, and return a copy for our records.

I will work with Nick to get the hardcopy of the official report to you.

If there are any additional questions or concerns, don't hesitate to reach out to either Nick V. or myself.

Thanks,

P. Chip Goodrich

*BLM - Cadastral Surveyor
Utah State Office - Salt Lake City
440 West 200 South, Suite #500
C: 801-209-4160
O: 801-539-4155
pgoodrich@blm.gov*

From: [Green, Adam W](#)
To: [Savage, Shannon L](#); [Jencso, Emily D](#)
Cc: [Burgess-Conforti, Jason R](#); [Rose, Marcus F](#); [Davis, Jordan R](#); [Kachergis, Emily J](#)
Subject: Re: Landcart
Date: Tuesday, August 29, 2023 3:30:25 PM
Attachments: [image001.png](#)
[image002.png](#)

Hi everyone,

I read the section in the LandCART User's Guide on Sen's slope test and thought I might could help refine our conversation a little. First, the guide does say it uses the median in one sentence (page 12 first paragraph) and mean in another (page 12 second paragraph). But I'm pretty sure it means that it's reporting the median Sen's value based on the mean indicator values for the AOI.

Second, it seems that the length of the time series (i.e., number of years) is the issue regarding interpreting p-values, not the size of the inference area. LandCART is just taking the mean for the AOI, no matter the size of the AOI, so the spatial area shouldn't matter. But Sen's test is essentially creating a distribution of all the observed differences between every pair of years. For example, one data point will be the slope between 2006 and 2007 (i.e., $(x_{2007} - x_{2006})/1$), and another will be the slope between 2008 and 2020 (i.e., $(x_{2020} - x_{2008})/12$). We then use the median (50th percentile) of that distribution as our "best" estimate of slope and calculate p-values based on the percentiles observed in the data. For example, if we have 105 possible year combinations (as you do from 2006-2021) and 5 pairs have a slope <0 , the p-value will be 0.048 (i.e., $5/105$). So when you have a short time series, you won't have enough data points to create a good distribution. With only 5 years, you end up with 10 pairs of years - if only 1 pair has a negative slope, your p-value would be 0.1, but if 2 have a negative slope, your p-value jumps to 0.2. Essentially with short time series, your data is too discretized to effectively represent a p-value. In your case, you have 105 year pairs, so if you go from 5 pairs with negative slopes to 6 pairs, your p-value only goes from 0.048 to 0.057. It's less sensitive to the influence of one year pair when the time series is longer.

I hope that helps. Let me know if you have any more questions.

Adam

From: Savage, Shannon L <ssavage@blm.gov>
Sent: Monday, August 28, 2023 12:01 PM
To: Jencso, Emily D <ejencso@blm.gov>; Green, Adam W <agreen@blm.gov>
Cc: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Rose, Marcus F <mrose@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Kachergis, Emily J <ekachergis@blm.gov>
Subject: RE: Landcart

Hi Emily,
I'm happy to chat this week. Feel free to check my calendar and set something up.
Cheers!
-Shannon

Shannon Savage, PhD (she/her/hers)
Remote Sensing Section Chief (OC-534)
National Operations Center

Diversity and Inclusion Change Agent

Bureau of Land Management

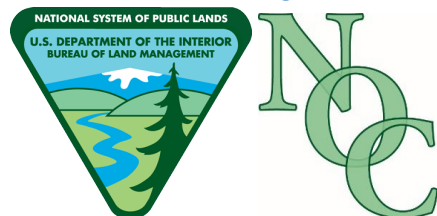
Email: ssavage@blm.gov

Cell: (720) 520-6862

Desk: (303) 236-7342 or [Call via Teams](#)

[OC-534 SharePoint Site](#)

[OC-534 Sketchfab Page](#)



[BLM-RSOO Sign Up](#)

From: Jencso, Emily D <ejencso@blm.gov>

Sent: Monday, August 28, 2023 11:03 AM

To: Savage, Shannon L <ssavage@blm.gov>; Green, Adam W <agreen@blm.gov>

Cc: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Rose, Marcus F <mrose@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Kachergis, Emily J <ekachergis@blm.gov>

Subject: Re: Landcart

Shannon and Adam,

I sent this email to Emily Kachergis last week (see email string, original message copied below). Do you have time for a quick chat this week?

"We are plugging away at the rangeland health assessment for the West Box Elder Permit Renewal. We are using both the RAP Tool and LandCart as additional lines of evidence. We chose to compare the growing season defined as April 1st to August (5 months) from 2006 (date of last permit renewal) to 2021 (cutoff of data included in analysis) for eight indicators on BLM lands in each of the 5 allotments. We have been having discussions on data interpretation. Namely, whether Sens slope being insignificant is the end all, versus, also displaying the raster images showing the % difference, as well as the difference chart. To me, it seems like the Sens slope of the median has value in speaking to the trend of the median, but it doesn't paint a complete picture, nor does an insignificant p value render the difference charts, aerial imagery, and histograms useless.

Since this is a new tool, and we have collectively poured over the tech note and the Landcart guide, we (Marcus and I) would appreciate having a short meeting with you or someone that could provide some insight and direction. "

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Monday, August 28, 2023 10:47 AM
To: Kachergis, Emily J <ekachergis@blm.gov>
Cc: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Rose, Marcus F <mrose@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Re: Landcart

Thanks Emily. I will reach out to them. If you are available to listen in, we would welcome your experience. I will cc you on the email and invite in case it works for you.

Best,
Em

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Kachergis, Emily J <ekachergis@blm.gov>
Sent: Monday, August 28, 2023 10:35 AM
To: Jencso, Emily D <ejencso@blm.gov>
Cc: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Rose, Marcus F <mrose@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Re: Landcart

Hi y'all,

The NOC recommended you contact Shannon Savage and Adam Green. Happy to listen in also if that would be helpful. Thanks!

Best,
Emily

Emily Kachergis

Assessment, Inventory and Monitoring (AIM) Coordinator
Division of Decision Support, Planning, and NEPA
BLM Headquarters
Lakewood, CO
(720) 614-3656

Learn more about AIM, including data access: <https://www.blm.gov/aim/strategy>

From: Jencso, Emily D <ejencso@blm.gov>

Sent: Tuesday, August 22, 2023 3:33 PM

To: Kachergis, Emily J <ekachergis@blm.gov>

Cc: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Rose, Marcus F <mrose@blm.gov>;
Davis, Jordan R <jordandavis@blm.gov>

Subject: Landcart

Hi Emily,

We are plugging away at the rangeland health assessment for the West Box Elder Permit Renewal. We are using both the RAP Tool and LandCart as additional lines of evidence. We chose to compare the growing season defined as April 1st to August (5 months) from 2006 (date of last permit renewal) to 2021 (cutoff of data included in analysis) for eight indicators on BLM lands in each of the 5 allotments. We have been having discussions on data interpretation. Namely, whether Sens slope being insignificant is the end all, versus, also displaying the raster images showing the % difference, as well as the difference chart. To me, it seems like the Sens slope of the median has value in speaking to the trend of the median, but it doesn't paint a complete picture, nor does an insignificant p value render the difference charts, aerial imagery, and histograms useless.

Since this is a new tool, and we have collectively poured over the tech note and the Landcart guide, we (Marcus and I) would appreciate having a short meeting with you or someone that could provide some insight and direction.

Best,
Em,

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: [Agardy, Savanna S](#)
To: [Rose, Marcus F](#)
Subject: Re: Lucin Pilot Allotment use dates
Date: Monday, July 31, 2023 1:50:06 PM
Attachments: [Outlook-chamv4k2.png](#)

Thanks Marcus!

Savanna Agardy, M.A., RPA

District Fuels Archaeologist
West Desert District
Bureau of Land Management
491 N John Glenn Road, SLC, UT
Office: 801-320-8347; Cell: 385-408-
2544



From: Rose, Marcus F <mrose@blm.gov>
Sent: Monday, July 31, 2023 1:19 PM
To: Agardy, Savanna S <sagardy@blm.gov>
Subject: Lucin Pilot Allotment use dates

Hello Savanna,

Here are the use dates for the Lucin Pilot allotment:

There are five different authorizations on the Lucin Pilot allotment. The dates and Animal Unit Months (AUMs) are shown below:

David Iveson-5/16-10/31 (406 cattle AUMs)
David Iveson-5/16-10/31 (478 cattle AUMs)
Kunzler Sheep and Cattle LLC-11/1-3/20 (1229 Sheep AUMs)
Burt Kunzler-1/10-3/20 (671 Sheep AUMs)
Della Ranches-
9/10-11/10 (196 cattle AUMs)
11/30-3/30 (382 cattle AUMs)
11/1-3/15 (1106 Sheep AUMs)

Feel free to let me know if you have any questions.

Thanks,

Marcus Rose
Rangeland Management Specialist
Bureau of Land Management
Salt Lake Field Office
Office: 801-320-8352
Cell: 385-600-1049

From: [Burgess-Conforti, Jason R](#)
To: [Jencso, Emily D](#); [Rose, Marcus F](#); [Mellon, Cassie D](#)
Subject: RE: New Report : Setting Benchmarks with Terrestrial AIM Data
Date: Thursday, September 7, 2023 11:47:59 PM

I appreciate the effort they put in but I find a lot of flaws in their method and I think what we've done for WBE is miles ahead. I truly think WBE will be the most thorough LHA/permit renewal in BLM history.

Jason R. Burgess-Conforti, Ph.D.
Monitoring Coordinator / ESR State Lead
United States Department of the Interior
Bureau of Land Management
Utah State Office
Cell: (385) 867-4708
Office: (801) 539-4106

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Thursday, September 7, 2023 8:12 PM
To: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Rose, Marcus F <mrose@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>
Subject: Fw: New Report : Setting Benchmarks with Terrestrial AIM Data


Worth a read.

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Nelson, Jennifer E <jenelson@blm.gov>
Sent: Thursday, September 7, 2023 3:27 PM
To: NAIMPractitioners <blm-NAIMPractitioners@blm.gov>
Subject: New Report : Setting Benchmarks with Terrestrial AIM Data

Hello AIM Practitioners,

A report about setting benchmarks with terrestrial AIM data to evaluate a land health standard was just released. It is attached to this email and you may access it and an R workflow internally here:  [Standard 1 Benchmarks](#)

The report accompanies a presentation from the 2023 AIM Practitioners' Webinar Series by Jennifer Nelson and Monica Ketcham. In June, they described how their team developed benchmarks for evaluating OR/WA land health standard 1 in the Cow Lakes Allotments and Assessment Area. To set benchmarks, they used the approach outlined in Appendix 2 of Technical Note 453 with data from terrestrial AIM plots in Level IV Ecoregions. You can find the presentation in the AIM Practitioners Webinars Stream Channel:

<https://web.microsoftstream.com/channel/dd68a714-62c5-4b1b-b52a-2efd117b0001>

Enjoy!

Jennifer

Jennifer E. Nelson, MSc (*she, her, hers*)
Terrestrial AIM Data Specialist, The Great Basin Institute
BLM Headquarters
1387 S. Vinnell Way
Boise, ID 83709
Office: (208) 373-3835
jenelson@blm.gov

[The Great Basin Institute](#) advances environmental research, education, and service throughout the west. The institute promotes applied research and ecological literacy through community engagement and agency partnerships to support national parks, forests, open spaces and public lands.

AIM Links:

blm.gov/aim

[External user access to Terrestrial and Lotic AIM Data](#)

[Internal user access to Terrestrial and Lotic AIM Data](#)

[Terrestrial Geospatial Gateway](#)

[Lotic Geospatial Gateway](#)

From: [Burgess-Conforti, Jason R](#)
To: [Rose, Marcus F](#)
Cc: [Jencso, Emily D](#)
Subject: RE: New spreadsheet for West Box Elder Frequency
Date: Tuesday, June 13, 2023 7:23:49 PM
Attachments: [WBE Freq Graphs 6.13.23.docx](#)

Attached are the updated graphs.

Jason R. Burgess-Conforti, Ph.D.
Monitoring Coordinator / ESR State Lead
United States Department of the Interior
Bureau of Land Management
Utah State Office
Cell: (385) 867-4708
Office: (801) 539-4106

From: Rose, Marcus F <mrose@blm.gov>
Sent: Monday, June 12, 2023 4:07 PM
To: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>
Subject: New spreadsheet for West Box Elder Frequency

Hello Jason,
Here is the new spreadsheet for the West Box Elder frequency data. Let me know if you have any questions or if there are any errors that I didn't catch as you go through this.
Thanks!

Marcus Rose
Rangeland Management Specialist
Bureau of Land Management
Salt Lake Field Office
Office: 801-320-8352
Cell: 385-600-1049

From: [Bullock, Jerry D](#)
To: [Black, Tami S](#)
Cc: [Davis, Jordan R](#); [Neff, Brandon D](#); [Tucker, Dylan W](#); [Seiders, Erin S](#); [Rose, Marcus F](#)
Subject: Re: Range Program Meeting (Follow-up)
Date: Tuesday, July 18, 2023 12:16:33 PM

Thanks Tami, that helps clear things up. Nobody has started the master index template yet, and yes, we would love help on that. Let me know if you need anything from us. We will have Kendrick work on the task order the first of next week and I'll get you the charge code also. Thanks for your help.

Jerry Bullock
Range Management Specialist
Bureau of Land Management
Salt Lake Field Office
491 North John Glenn Road
Salt Lake City, Utah 84116
Office: (801) 320-8326
Cell: (801) 232-7551

From: Black, Tami S <tblack@blm.gov>
Sent: Tuesday, July 18, 2023 12:10 PM
To: Bullock, Jerry D <jdbulloc@blm.gov>
Cc: Davis, Jordan R <jordandavis@blm.gov>; Neff, Brandon D <bneff@blm.gov>; Tucker, Dylan W <dwtucker@blm.gov>; Seiders, Erin S <eseiders@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Subject: RE: Range Program Meeting (Follow-up)

Hi Jerry:

My apologies, let me see if I can be more clear.

The following are needed to start the scanning project with the contractor:

1. the Task Order
2. the Box Lists (which you've done)
3. the Master Index Template (aka metadata sheet which I realize now I can complete for you)
4. the charge code information so I can fill out the PR for SO review

I'm a bit confused now. So, we need to fill out the master index template for every individual permit as well as the eERDMS forms for every individual permit? No, the master index template only needs the column headings (the eERDMS was a screenshot example of what it will look like once we xfer the files to eERDMS to explain what the information is used for). The scanning contractor oversees the population of the data on this document while the documents are being scanned. The scanning software automatically populates it. *The only part that needs a count is the number of files in each box so you can enter that information on the task order.*

If nobody has worked on the master index template I will take care of that part, I just want to make sure that nobody has begun working on it. (the spreadsheet w/only the column headings)
Please let me know.

Tami S. Black, MPA
Government Information Specialist
West Desert District BLM Utah
C: 385-226-1464
[West Desert District SharePoint Site](#)
[BLM Records SharePoint Site](#)

From: Bullock, Jerry D <jdbulloc@blm.gov>
Sent: Tuesday, July 18, 2023 11:21 AM
To: Black, Tami S <tblack@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Neff, Brandon D <bneff@blm.gov>; Tucker, Dylan W <dwtucker@blm.gov>; Seiders, Erin S <eseiders@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Subject: Re: Range Program Meeting (Follow-up)

I'm a bit confused now. So, we need to fill out the master index template for every individual permit as well as the eERDMS forms for every individual permit? This is in addition to the tracking sheets that we already filled out?

Jerry Bullock
Range Management Specialist
Bureau of Land Management
Salt Lake Field Office
491 North John Glenn Road
Salt Lake City, Utah 84116
Office: (801) 320-8326
Cell: (801) 232-7551

From: Black, Tami S <tblack@blm.gov>
Sent: Tuesday, July 18, 2023 11:01 AM
To: Davis, Jordan R <jordandavis@blm.gov>; Neff, Brandon D <bneff@blm.gov>; Tucker, Dylan W <dwtucker@blm.gov>; Bullock, Jerry D <jdbulloc@blm.gov>; Seiders, Erin S <eseiders@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Subject: Range Program Meeting (Follow-up)

Good morning:

In reading through my notes from the meeting, I failed to mention one important step in the process. I don't believe we discussed the metadata sheet which is required when we send

documents to the contractor for scanning (along with the task order) – see attached example. The attached screenshot from eERDMS is from AZ's range files and follows the grazing IM. I thought I heard Jordan say that someone was already working on one your scanning project? If not, please let me know who will be putting this together.

Thanks,

Tami S. Black, MPA
Government Information Specialist
West Desert District BLM Utah
C: 385-226-1464 email: tblack@blm.gov
[West Desert District SharePoint Site](#)
[BLM Records SharePoint Site](#)

From: [Tucker, Dylan W](#)
To: [Rose, Marcus F](#)
Subject: Re: Rangeland Health Determinations
Date: Monday, December 4, 2023 3:32:49 PM

Marcus,

Thanks for the information. If I need any other info (maybe dates the assessment was completed I will let you know).

Dylan Tucker

Range Management Specialist

Interior Region 7. Bureau of Land Management
Salt Lake Field Office
491 North John Glenn Road
Salt Lake City, UT 84116
Office: (801) 320-8300
Cell: (801) 349-0593
Email: dwtucker@blm.gov

From: Rose, Marcus F <mrose@blm.gov>
Sent: Monday, December 4, 2023 2:52 PM
To: Tucker, Dylan W <dwtucker@blm.gov>
Subject: RE: Rangeland Health Determinations

Most things weren't meeting, but we haven't talked about causal factors. The Land Health assessment is not final and we didn't include causal factor determinations. Jordan suggested putting the causal factor analysis in a separate document that we haven't finished yet. I can send a link to the draft land health assessment on the sharepoint if needed. Jordan and Tami are currently reviewing it.

Here are the rankings:

Dry Canyon:

- 1-Not meeting
- 2-Not meeting
- 3-Not meeting
- 4-Meeting

Kimball Creek

- 1-Not Meeting
- 2-Not Meeting
- 3-Not Meeting
- 4-Meeting

Lynn

1-Not Meeting

2-Not Meeting

3-Not Meeting

4-Meeting

Owl Springs

1-Not Meeting

2-Not applicable

3-Not Meeting

4-Meeting

Red Butte

1-Not Meeting

2-Meeting

3-Not Meeting

4-Meeting

From: Tucker, Dylan W <dwtucker@blm.gov>

Sent: Monday, December 4, 2023 2:01 PM

To: Rose, Marcus F <mrose@blm.gov>

Subject: Rangeland Health Determinations

Marcus,

We (you, Jordan et al.,) made rangeland health determinations this past fiscal year on the five Box Elder Allotments if I am remembering correctly.

I have been asked to enter that data and other data into the yearly RIME report. Is there a location on the P: where those determinations (final) can be found? Thanks

Dylan Tucker

Range Management Specialist

Interior Region 7. Bureau of Land Management

Salt Lake Field Office

491 North John Glenn Road

Salt Lake City, UT 84116

Office: (801) 320-8300

Cell: (801) 349-0593

Email:dwtucker@blm.gov

From: [Bullock, Jerry D](#)
To: [Neff, Brandon D](#); [Davis, Jordan R](#)
Subject: Re: Rich Co Fence Map
Date: Tuesday, September 26, 2023 11:43:36 AM

It could use some work. I wasn't really thinking end product with this. Just wanted to show where we were at at the moment.

Jerry Bullock
Range Management Specialist
Bureau of Land Management
Salt Lake Field Office
491 North John Glenn Road
Salt Lake City, Utah 84116
Office: (801) 320-8326
Cell: (801) 232-7551

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, September 26, 2023 11:40 AM
To: Bullock, Jerry D <jdbulloc@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Re: Rich Co Fence Map

I like it Jerry! What do you think about turning off the topo and going with NAIP or hillshade. In my experience it makes the roads so much easier to see and takes a lot of the busyness out of it. Also, it looks like there are some highlighted lines that looks like a query or something, but doesn't show up in the legend as such. What do you think?

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Bullock, Jerry D <jdbulloc@blm.gov>
Sent: Tuesday, September 26, 2023 11:14 AM
To: Neff, Brandon D <bneff@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Rich Co Fence Map

Here's a map of the preliminary fence lines. Just waiting for the estimate to come back to determine how much we can do. I will add on if the estimate allows. Also, there is a portion that goes through State that I will need to clip out.

Jerry Bullock
Range Management Specialist
Bureau of Land Management
Salt Lake Field Office
491 North John Glenn Road
Salt Lake City, Utah 84116
Office: (801) 320-8326
Cell: (801) 232-7551

From: [Neff, Brandon D](#)
To: [Bullock, Jerry D](#); [Davis, Jordan R](#)
Subject: Re: Rich Co Fence Map
Date: Tuesday, September 26, 2023 11:40:11 AM

I like it Jerry! What do you think about turning off the topo and going with NAIP or hillshade. In my experience it makes the roads so much easier to see and takes a lot of the busyness out of it. Also, it looks like there are some highlighted lines that looks like a query or something, but doesn't show up in the legend as such. What do you think?

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Bullock, Jerry D <jdbulloc@blm.gov>
Sent: Tuesday, September 26, 2023 11:14 AM
To: Neff, Brandon D <bneff@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Rich Co Fence Map

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Jerry Bullock
Range Management Specialist
Bureau of Land Management
Salt Lake Field Office
491 North John Glenn Road
Salt Lake City, Utah 84116
Office: (801) 320-8326
Cell: (801) 232-7551

From: [Neff, Brandon D](#)
To: [Bullock, Jerry D](#); [Davis, Jordan R](#)
Subject: Re: Rich Co Fence Map
Date: Tuesday, September 26, 2023 11:45:37 AM

Oh Ok, my misunderstanding. Looks great then for that purpose. Thanks Jerry!

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Bullock, Jerry D <jdbulloc@blm.gov>
Sent: Tuesday, September 26, 2023 11:43 AM
To: Neff, Brandon D <bneff@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Re: Rich Co Fence Map

It could use some work. I wasn't really thinking end product with this. Just wanted to show where we were at at the moment.

Jerry Bullock
Range Management Specialist
Bureau of Land Management
Salt Lake Field Office
491 North John Glenn Road
Salt Lake City, Utah 84116
Office: (801) 320-8326
Cell: (801) 232-7551

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, September 26, 2023 11:40 AM
To: Bullock, Jerry D <jdbulloc@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Re: Rich Co Fence Map

I like it Jerry! What do you think about turning off the topo and going with NAIP or hillshade. In my experience it makes the roads so much easier to see and takes a lot of the busyness out of it. Also, it looks like there are some highlighted lines that looks like a query or something, but doesn't show up in the legend as such. What do you think?

Brandon Neff | Rangeland Management Specialist

West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Bullock, Jerry D <jdbulloc@blm.gov>
Sent: Tuesday, September 26, 2023 11:14 AM
To: Neff, Brandon D <bneff@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Rich Co Fence Map

Here's a map of the preliminary fence lines. Just waiting for the estimate to come back to determine how much we can do. I will add on if the estimate allows. Also, there is a portion that goes through State that I will need to clip out.

Jerry Bullock
Range Management Specialist
Bureau of Land Management
Salt Lake Field Office
491 North John Glenn Road
Salt Lake City, Utah 84116
Office: (801) 320-8326
Cell: (801) 232-7551

From: [Howell, Tami L](#)
To: [Rose, Marcus F](#)
Subject: RE: Rosebud Well DNA initiation form
Date: Wednesday, January 3, 2024 2:56:49 PM

Marcus,

I looked at this and had one comment with a couple of questions that I think could be clarified a little in the proposal. I have saved it with today's date on the P drive in the NEPA folder for this project. If you have any questions let me know.

Thanks,

Tami Howell
Wild Horse & Burro Specialist
Salt Lake Field Office
491 N John Glenn Road
Salt Lake City, UT 84116
Desk: 801-320-8359
Cell: 801-419-4552
thowell@blm.gov

From: Rose, Marcus F <mrose@blm.gov>
Sent: Tuesday, December 12, 2023 8:21 AM
To: Howell, Tami L <thowell@blm.gov>
Subject: Rosebud Well DNA initiation form

Tami,

The initiation form for the Rosebud DNA is attached. The final location of the well may vary a little bit, but it shouldn't change more than about ½ mile.

Thanks,

Marcus

From: [Derek Swinton @](#)
To: [Derek Swinton @](#)
Subject: Re: Scanned from a Xerox Multifunction Printer
Date: Tuesday, June 23, 2020 2:25:28 PM
Attachments: ["Active Research Extension Requester 6.37.33.pdf"](#)
[ActiveResearch.docx](#)

Please work with Heather to have it uploaded into DTS.



Jordan Davis
Assistant Field Manager
Salt Lake Field Office (Bureau of Land Management - Utah)
p: (385) 278-3618
w: www.blm.gov

From: Rose, Marcus F <mrose@blm.gov>
Sent: Tuesday, June 27, 2023 2:58 PM
To: Davis, Jordan R <jordandavis@blm.gov>
Subject: FW: Scanned from a Xerox Multifunction Printer

Hello Jordan,
 The grazing application for Cactus Ranch on the Dairy Valley allotment is attached for your approval. They are under permitted AUMs, but since they went onto the allotment around 5 weeks late due to weather this year, they would like to move their off date to 8/30 instead of 7/30. Let me know if you have any questions or concerns.
 Thanks,
 Marcus

-----Original Message-----
From: XeroxScan@blm.gov <XeroxScan@blm.gov>
Sent: Tuesday, June 27, 2023 2:51 PM
To: Rose, Marcus F <mrose@blm.gov>
Subject: Scanned from a Xerox Multifunction Printer

Please open the attached document. It was scanned and sent to you using a Xerox Multifunction Printer.

Attachment File Type: pdf, Multi-Page

Multifunction Printer Location: BLM Salt Lake City Field Office - 491 North John Glenn Road, Salt Lake City, UT 84116

Device Name: BLMUTSL2_Salt_Lake

From: [Rose, Marcus F](#)
To: [Gallegos, Heather D](#)
Subject: RE: Scanned from a Xerox Multifunction Printer
Date: Thursday, June 29, 2023 10:37:00 AM
Attachments: [image001.png](#)

No, just scanning it into DTS should be fine. I emailed a copy to the permittee already

From: Gallegos, Heather D <hgallegos@blm.gov>
Sent: Thursday, June 29, 2023 8:43 AM
To: Rose, Marcus F <mrose@blm.gov>
Subject: RE: Scanned from a Xerox Multifunction Printer

Does this need to be mailed out?

From: Rose, Marcus F <mrose@blm.gov>
Sent: Tuesday, June 27, 2023 3:48 PM
To: Gallegos, Heather D <hgallegos@blm.gov>
Subject: FW: Scanned from a Xerox Multifunction Printer

Hello Heather,
Could you upload this document into DTS for me when you get a chance?
Thanks,
Marcus

From: Davis, Jordan R <jordandavis@blm.gov>
Sent: Tuesday, June 27, 2023 3:15 PM
To: Rose, Marcus F <mrose@blm.gov>
Subject: Re: Scanned from a Xerox Multifunction Printer

Please work with Heather to have it uploaded into DTS.



Jordan Davis

Assistant Field Manager

Salt Lake Field Office | Bureau of Land Management -Utah

p: (385) 278-3618

w: www.blm.gov

From: Rose, Marcus F <mrose@blm.gov>
Sent: Tuesday, June 27, 2023 2:58 PM

To: Davis, Jordan R <jordandavis@blm.gov>

Subject: FW: Scanned from a Xerox Multifunction Printer

Hello Jordan,

The grazing application for Cactus Ranch on the Dairy Valley allotment is attached for your approval. They are under permitted AUMs, but since they went onto the allotment around 5 weeks late due to weather this year, they would like to move their off date to 8/30 instead of 7/30. Let me know if you have any questions or concerns.

Thanks,

Marcus

-----Original Message-----

From: XeroxScan@blm.gov <XeroxScan@blm.gov>

Sent: Tuesday, June 27, 2023 2:51 PM

To: Rose, Marcus F <mrose@blm.gov>

Subject: Scanned from a Xerox Multifunction Printer

Please open the attached document. It was scanned and sent to you using a Xerox Multifunction Printer.

Attachment File Type: pdf, Multi-Page

Multifunction Printer Location: BLM Salt Lake City Field Office - 491 North John Glenn Road, Salt Lake City, UT 84116

Device Name: ILMUTSL2_Salt_Lake

For more information on Xerox products and solutions, please visit

[https://gcc02.safelinks.protection.outlook.com/?](https://gcc02.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.xerox.com%2F&data=05%7C01%7Cjordandavis%40blm.gov%7C580733ba260340de7a7408db77514ee3%7C0693b5ba4b184d7b9341f32f400a5494%7C0%7C0%7C638234963334026349%7CUnknown%7CTWFpbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IkhhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=tC5E7DGvB2XVZvmWJ3HLDskVrH8vqFJdZAx8WxxfAYY%3D&reserved=0)

[url=http%3A%2F%2Fwww.xerox.com%2F&data=05%7C01%7Cjordandavis%40blm.gov%7C580733ba260340de7a7408db77514ee3%7C0693b5ba4b184d7b9341f32f400a5494%7C0%7C0%7C638234963334026349%7CUnknown%7CTWFpbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IkhhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=tC5E7DGvB2XVZvmWJ3HLDskVrH8vqFJdZAx8WxxfAYY%3D&reserved=0](http%3A%2F%2Fwww.xerox.com%2F&data=05%7C01%7Cjordandavis%40blm.gov%7C580733ba260340de7a7408db77514ee3%7C0693b5ba4b184d7b9341f32f400a5494%7C0%7C0%7C638234963334026349%7CUnknown%7CTWFpbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IkhhaWwiLCJXVCi6Mn0%3D%7C3000%7C%7C%7C&sdata=tC5E7DGvB2XVZvmWJ3HLDskVrH8vqFJdZAx8WxxfAYY%3D&reserved=0)

From: [Rose, Marcus F](#)
To: [Puttere, Jennifer M](#); [Jencso, Emily D](#)
Cc: [Howell, Tami L](#)
Subject: RE: Status of West Box Elder
Date: Monday, October 16, 2023 8:46:00 AM

Jason Burgess is reviewing the document right now to make corrections and add information that he had a part in. Once he is done, I am planning to incorporate his edits into the document. I also plan to add grazing permit information for each allotment and take a final read through the document to check formatting, etc. by the end of the week.

From: Puttere, Jennifer M <jputtere@blm.gov>
Sent: Monday, October 16, 2023 7:36 AM
To: Jencso, Emily D <ejencso@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Howell, Tami L <thowell@blm.gov>
Subject: Status of West Box Elder

Emily and Marcus

Can you both let us know the status of the West Box Elder permit renewal?

Jennifer Puttere
Assistant Field Manager, Renewables – Salt Lake Field Office
West Desert District
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, Utah 84116
Desk Phone: 801-320-8364
Cell Phone: 385-471-1518

From: [Rose, Marcus F](#)
To: [Lopez, Erica](#); [dan](#)
Cc: [Gallegos, Heather D](#)
Subject: RE: Transfer fee receipt
Date: Wednesday, April 12, 2023 7:15:00 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)

Thank you!

From: Lopez, Erica <e1lopez@blm.gov>
Sent: Tuesday, April 11, 2023 4:15 PM
To: dan <iveson@gmail.com>
Cc: Rose, Marcus F <mrose@blm.gov>; Gallegos, Heather D <hgallegos@blm.gov>
Subject: Transfer fee receipt

Please see attached Transfer fee receipt



ERICA A. LOPEZ

Administrative Support Assistant, AOPC
Salt Lake Field Office/West Desert District
Department of the Interior
Bureau of Land Management

Work-801-320-8390
Cell-385-232-0306



Resources for BLM UT employees: [Procurement SharePoint](#) [Uniform Program SharePoint](#)
[Charge Card Program SharePoint site](#)

From: [Neff, Brandon D](#)
To: [Williams, Nancy N](#); [Davis, Jordan R](#)
Subject: Re: Virtual fencing towers
Date: Friday, September 8, 2023 1:17:21 PM

I think that is something that could be looked at. Also, there might be a different approach/suggestion from the virtual fence company, this may be something that has been looked at in other scenarios. Thank you passing the concern along, we definitely would want to try and make everything as wildlife friendly as possible.

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Friday, September 8, 2023 12:58 PM
To: Neff, Brandon D <bneff@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Virtual fencing towers

I just talked to Jared Reese about the virtual fence towers. He is not concerned about the towers themselves (as seen in the attached photo) but he is concerned about the fence around the tower, which I am a little concerned about as well. The fence would provide a nice perch for a raptor or ravens. Would it be possible to use an electric fence instead?

Nancy

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: [Burgess-Conforti, Jason R](#)
To: [Jencso, Emily D](#); [Rose, Marcus F](#); [Davis, Jordan R](#)
Subject: RE: WBE AIM Data Updates
Date: Monday, September 18, 2023 8:37:03 AM

That is correct.

Jason R. Burgess-Conforti, Ph.D.
Monitoring Coordinator / ESR State Lead
United States Department of the Interior
Bureau of Land Management
Utah State Office
Cell: (385) 867-4708
Office: (801) 539-4106

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Friday, September 15, 2023 11:20 AM
To: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Rose, Marcus F <mrose@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Re: WBE AIM Data Updates

Hi Jason,

Just want to make sure this doesn't include points from 2022.

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>
Sent: Thursday, September 14, 2023 9:37 AM
To: Rose, Marcus F <mrose@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Jencso, Emily D <ejencso@blm.gov>
Subject: WBE AIM Data Updates

All, attached are the new summary table for each allotment and new benchmarks calculated using the method described in TN455 (i.e., "percentile method"). What changed? After some previous discussions amongst this group as well as other biostatisticians, I've decided it would be appropriate to remove the plots within the 5 allotments for calculating benchmarks which is more consistent to what has been done in other offices. I've also updated the annual grass calculations to set a threshold at 5% cover, which is consistent

with guidance from the NOC and peer-reviewed literature.

Jason R. Burgess-Conforti, Ph.D.
Monitoring Coordinator / ESR State Lead
United States Department of the Interior
Bureau of Land Management
Utah State Office
Cell: (385) 867-4708
Office: (801) 539-4106

From: [Rose, Marcus F](#)
To: [Burgess-Conforti, Jason R](#)
Cc: [Bouchard, Emma O](#)
Subject: RE: WBE AIM Data Updates
Date: Thursday, September 14, 2023 5:28:00 PM
Attachments: [strd 1 allotment graphs by indicator updated 09142023 \(version 1\).xlsb.xlsx](#)

Hi Jason,

I put the numbers that you sent over into the tables for the land health evaluation and there are a couple of indicators that don't quite match up. I haven't been able to figure out where the discrepancy is yet. I attached the tables to the email and highlighted the indicators that don't match with what you sent earlier. Maybe you can help me figure out where these differences are coming from.

Thanks!

Marcus

From: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>
Sent: Thursday, September 14, 2023 9:38 AM
To: Rose, Marcus F <mrose@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Jencso, Emily D <ejencso@blm.gov>
Subject: WBE AIM Data Updates

All, attached are the new summary table for each allotment and new benchmarks calculated using the method described in TN455 (i.e., "percentile method"). What changed? After some previous discussions amongst this group as well as other biostatisticians, I've decided it would be appropriate to remove the plots within the 5 allotments for calculating benchmarks which is more consistent to what has been done in other offices. I've also updated the annual grass calculations to set a threshold at 5% cover, which is consistent with guidance from the NOC and peer-reviewed literature.

Jason R. Burgess-Conforti, Ph.D.
Monitoring Coordinator / ESR State Lead
United States Department of the Interior
Bureau of Land Management
Utah State Office
Cell: (385) 867-4708
Office: (801) 539-4106

From: [Burgess-Conforti, Jason R](#)
To: [Rose, Marcus F](#)
Cc: [Bouchard, Emma O](#)
Subject: RE: WBE AIM Data Updates
Date: Monday, September 18, 2023 3:06:33 PM
Attachments: [WBE_sum_9.18.csv](#)
[WBE_benchmarks_9.18.csv](#)
[image001.png](#)

Marcus here is what I found:

Black Sage – 278 CG 100+. There were 4 AIM plots outside our permit renewal area and all 4 had 0% canopy gaps greater than 100cm. This to me reads as the expected ecological condition for this 025XY415UT would be to have no canopy gaps greater than 100cm.

GRSGINTS-Other-163 (Lynn): There were no data points outside of the WBE allotments with the ESD 025XY310UT so benchmarks could not be set. The ESD provided value of 20% and the observed bare soil values for the three points within that ESD are well below that so I'm not too concerned about having to NA that one

Owl Springs: Found an error in canopy gap calculation; fixed errors in column values for 2020493201713B1, 2020493201713B2

Red Butte same issues with canopy gap calculation. I fixed the benchmark table for AG to demonstrate that 5% is the limit for all ESDs. I'd also check the values in your table, as an example you have AG cover of 51.5% for 2018493201708B2 but I checked my data, as well as the data portal and its showing as 0%

TerrestrialIndicators (TerrADat and LMF combined - no related tables)				
Options ▾ Filter by map extent Zoom to Clear selection Refresh				
PrimaryKey	PlotKey	PlotID	AH_AnnGrassCov	State
2018493201708B	2018493201708B	2018493201708B2	0.00	UT

Jason R. Burgess-Conforti, Ph.D.
Monitoring Coordinator / ESR State Lead
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Cell: (385) 867-4708
Office: (801) 539-4106

From: Rose, Marcus F <mrose@blm.gov>
Sent: Thursday, September 14, 2023 5:29 PM
To: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>
Cc: Bouchard, Emma O <ebouchard@blm.gov>
Subject: RE: WBE AIM Data Updates

Hi Jason,

I put the numbers that you sent over into the tables for the land health evaluation and there are a couple of indicators that don't quite match up. I haven't been able to figure out where the discrepancy is yet. I attached the tables to the email and highlighted the indicators that don't match with what you sent earlier. Maybe you can help me figure out where these differences are coming from.

Thanks!

Marcus

From: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>

Sent: Thursday, September 14, 2023 9:38 AM

To: Rose, Marcus F <mrose@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Jencso, Emily D <ejencso@blm.gov>

Subject: WBE AIM Data Updates

All, attached are the new summary table for each allotment and new benchmarks calculated using the method described in TN455 (i.e., "percentile method"). What changed? After some previous discussions amongst this group as well as other biostatisticians, I've decided it would be appropriate to remove the plots within the 5 allotments for calculating benchmarks which is more consistent to what has been done in other offices. I've also updated the annual grass calculations to set a threshold at 5% cover, which is consistent with guidance from the NOC and peer-reviewed literature.

Jason R. Burgess-Conforti, Ph.D.
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United States Department of the Interior
Bureau of Land Management
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Cell: (385) 867-4708
Office: (801) 539-4106

From: [Rose, Marcus F](#)
To: [Davis, Jordan R](#); [Jencso, Emily D](#); [Burgess-Conforti, Jason R](#); [Mellon, Cassie D](#); [Gates, Michael D](#)
Cc: [Puttere, Jennifer M](#); [Wade, Jessica A](#)
Subject: RE: WBE LHS 1 - multiple lines of evidence
Date: Thursday, April 13, 2023 8:00:00 AM
Attachments: [image001.png](#)

[For Mike Davis review .docx](#)

Hello Mike,

The above link is an excerpt from the West Box Elder land health assessment showing the approach that we are taking to use multiple lines of evidence to ultimately conclude whether standards are being met or not. This is mainly to give you a brief update to show you the outline and datasets that we are using and how we plan to integrate them into the land health assessment. The plan is to use both the ESD reference values and the percentile benchmark methods side by side as well as the other datasets discussed in this document to make a final assessment of whether land health standards are being achieved. If you can take a look and let us know if you see any glaring problems or holes in this approach then we will fix them early on.

Thanks,

Marcus

From: Davis, Jordan R <jordandavis@blm.gov>
Sent: Wednesday, April 12, 2023 7:26 AM
To: Jencso, Emily D <ejencso@blm.gov>; Rose, Marcus F <mrose@blm.gov>; Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>
Cc: Puttere, Jennifer M <jputtere@blm.gov>; Wade, Jessica A <jwade@blm.gov>
Subject: Re: WBE LHS 1 - multiple lines of evidence

I reviewed it and saved it to the NEPA sharepoint (titled For Mike Davis Review),

Thanks

Jordan Davis

Assistant Field Manager

Salt Lake Field Office | Bureau of Land
Management -Utah

p: (385) 278-3618



w: www.blm.gov

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Thursday, April 6, 2023 10:03 AM
To: Rose, Marcus F <mrose@blm.gov>; Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Cc: Puttere, Jennifer M <jputtere@blm.gov>; Wade, Jessica A <jwade@blm.gov>
Subject: Re: WBE LHS 1 - multiple lines of evidence

Hi folks,

Use this one instead. I did a quick reread and caught some mistakes. :

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Thursday, April 6, 2023 9:22 AM
To: Rose, Marcus F <mrose@blm.gov>; Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Cc: Puttere, Jennifer M <jputtere@blm.gov>
Subject: Re: WBE LHS 1 - multiple lines of evidence

Marcus, thanks for making those tables and editing the doc. Those tables really help get the

point across!

I went through and removed track changes, did some formatting, and refined the doc.
Everyone, please open it and read it carefully. I included an intro for Mike.

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Rose, Marcus F <mrose@blm.gov>
Sent: Wednesday, April 5, 2023 4:15 PM
To: Jencso, Emily D <ejencso@blm.gov>; Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Cc: Puttere, Jennifer M <jputtere@blm.gov>
Subject: RE: WBE LHS 1 - multiple lines of evidence

Hello all,
Here is what Emily originally sent out along with some added example tables and a bit of additional information. This outlines the data we plan to include in LHS 1 and how we plan to use it to determine if land health standards are being met. If you could take a quick look at it and let me know if there is anything that needs to be further clarified that would be helpful.
Thanks!
Marcus

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Monday, April 3, 2023 1:18 PM
To: Rose, Marcus F <mrose@blm.gov>; Burgess-Conforti, Jason R <jburgessconforti@blm.gov>; Mellon, Cassie D <cmellon@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Cc: Puttere, Jennifer M <jputtere@blm.gov>
Subject: WBE LHS 1 - multiple lines of evidence

All,

Here is my draft of a write up for Mike. Marcus- there are some things to fill in. I think it would be wise to include an example data table of how we intend to present the threshold analysis from both TN's (453 and 455). I think including a written narrative the way I have here is useful. I pulled from the draft I put together of Chap. 1 and 2 so far.

I will also send out the action items/to-do list that I was working on with shared screens.

Here is a link to the working copy of the RHA. [West Box Elder Rangeland Health](#) We need to sit down as an IDT after this has been flushed out (LHS 1 assessment and evaluation) and figure out deadlines and agree to a working outline of Chap 3 (and review Chapter 2/fill in gaps/edit). And also discuss causal factors for all standards determined to not be meeting. There seems to be quite a bit of analysis left.

....this is also attached as a word doc.

The land health standards are descriptions of the desired condition of the biological and physical components and characteristics of rangelands. Each land health standard has associated indicators which are features of an ecosystem that can be measured or observed in order to gain an understanding of the relative condition of a particular landscape or portion of a landscape (BLM, 1997). Indicators are evaluated using methods and techniques that are considered best available science and with defensible methodology. Not every indicator applies equally to every acre of land or ecological site. Similarly, because of natural variability, extreme degradation, or management objectives, there may be a need for discretion in applying the standards of rangeland health when evaluating standards (BLM, 1997).

Various monitoring datasets were used to assess achievement of land health standards in the WBE allotments (Table 1).

An interdisciplinary team (IDT) including BLM specialists in range management, hydrology, wildlife biology, aquatic ecology, and soil science reviewed information within the assessment area. A brief description of the quantitative and qualitative methods and analysis used in the assessment are described below. Explicit details on how to collect and interpret the data can be found in cited technical references documents. Data were collected by the IDT, contracted field crews, Utah Division of Wildlife Resources (UDWR), Utah State University (USU), United States Department of Agriculture-Natural Resources Conservation Service (USDA-NRCS) crews, and the [United States Geological Survey \(USGS\)](#).

Table 1. BLM Utah land health standards, associated indicators, and the methods used to assess, inventory, and/or monitor those associated indicators.

Standard 1. Upland soils exhibit permeability and infiltration rates that sustain or improve site productivity, considering the soil type, climate, and landform. As indicated by:

a. Sufficient cover and litter to protect the soil surface from excessive water and wind erosion, promote infiltration, detain surface flow, and retard soil moisture loss by evaporation.	Associated Indicators	Method
	Bare ground, foliar and litter cover, vegetation composition	AIM and LMF
		UDWR HAF AIM
		UDWR Big Game Range Trend
		BLM Range trend (nested frequency, point intercept, photo plots)
b. The absence of indicators of excessive erosion such as rills, soil pedestals, and actively eroding gullies.	Ecological Similarity Index	Remote sensing data (RAP, LandCART Tool)
		Photo plots (AIM, UDWR Big Game Range Trend, Aquatic AIM and PFC photos)
c. The appropriate amount, type, and distribution of vegetation reflecting the presence of (1) the Desired Plant Community (DPC), where identified in a land use plan, or (2) where the DPC is not	Water infiltration (soil aggregate stability, proportion of large gaps between plant canopies)	AIM and LMF
	Soil erosion (rills, pedestals, gullies) and deposition	UDWR HAF AIM
		UDWR Big Game Range Trend
		AIM and LMF
		UDWR HAF AIM
		UDWR Big Game Range Trend
		BLM Range trend

identified, a community that equally sustains the desired level of productivity and properly functioning ecological conditions.		Ecological Similarity Index IIRH Photo plots (AIM, UDWR Big Game Range Trend, Aquatic AIM and PFC photos)
---	--	---

Standard 2. Riparian and wetland areas are in properly functioning condition. Stream channel morphology and functions are appropriate to soil type, climate and landform. As indicated by:

	Associated Indicators	Techniques/Assessment
a. Streambank vegetation consisting of, or showing trend toward, species with root masses capable of withstanding high streamflow events. Vegetative cover adequate to protect stream banks as dissipate streamflow energy associated with high-water flows, protect against accelerated erosion, capture sediment, and provide for groundwater recharge.	Hydrogeomorphic: (floodplain, recharge/discharge, ground water, sinuosity, width/depth ration, etc.) Vegetation: (type, canopy, reproduction, production, root density, etc.) Erosion/deposition: (band and bed stability, deposition) Soils: (type, soil water states, capillarity, etc.) Water Quality: (sediment, temperature, nutrients, salinity, etc.)	Riparian Proper Functioning Condition (PFC) Assessments (BLM TR 1737-9 and TR 1737-11) Lotic AIM Aquatic resource inventory and habitat assessments Water quality measurements Photo plots
b. Vegetation reflecting: Desired plant community, maintenance of riparian and wetland soil moisture characteristics, diverse age structure and composition, high vigor, large woody debris when site potential allows, and providing food, cover, and other habitat needs for dependent animal species.		
c. Revegetating point bars; lateral stream movement associated with natural sinuosity; channel width, depth, pool frequency and roughness appropriate to landscape position.		
d. Active floodplain.		

Standard 3. Desired species, including native, threatened, endangered, and special-status species, are maintained at a level appropriate for the site and species involved. As indicated by:

	Associated Indicators	Techniques/Assessment
a. Frequency, diversity, density, age classes, and productivity of desired native species necessary to ensure reproductive capability and survival.	Vegetation: (age classes, frequency, density, composition, productivity, ratio of native/non-native, percent cover)	AIM and LMF UDWR HAF AIM UDWR Big Game Range Trend BLM Range trend (nested frequency and point intercept) Remote sensing data (RAP Tool, Landcart)
b. Habitats connected at a level to enhance species		Greater sage-grouse habitat assessment framework (HAF, Stiver et al. 2015, BLM

survival.		2019)
c. Native species re-occupy habitat niches and voids caused by disturbances unless management objectives call for introduction or maintenance of non-native species.		Species specific conservation strategies and habitat assessments where available
d. Habitats for threatened, endangered, and special-status species managed to provide for recovery and move species toward de-listing.	Soils: (erosion, soil aggregate stability, proportion of large gaps between plant canopies, percent bare ground)	AIM and LMF UDWR HAF AIM UDWR Big Game Range Trend Remote sensing (percent bare ground)
e. Appropriate amount, type, and distribution of vegetation reflecting the presence of (1) the Desired Plant Community, where identified in a land use plan conforming to these standards, or (2) where the DPC is not identified a community that equally sustains the desired level of productivity and properly functioning ecological processes.	Habitats: (cover, connectivity, abundance of species, species diversity, prey abundance)	AIM (terrestrial and aquatic) and LMF Riparian Proper Functioning Condition (PFC) Assessments (BLM TR 1737-9 and TR 1737-11) Lotic AIM UDWR HAF AIM UDWR Big Game Range Trend BLM Range trend (nested frequency and point intercept) Remote sensing data (RAP Tool, Landcart) Greater sage-grouse habitat assessment framework (HAF, Stiver et al. 2015, BLM 2019) Species specific conservation strategies and habitat assessments where available Population metrics by species where available

Standard 4. BLM will apply and comply with water quality standards established by the state of Utah (R.317-2) and the Federal Clean Water and Safe Drinking Water Acts. Activities on BLM lands will fully support the designated beneficial uses described in the Utah Water Quality Standards (R.317-2) for surface and groundwater. As indicated by:

	Associated Indicators	Techniques/Assessment
a. Measurement of nutrient loads, total dissolved solids, chemical constituents, fecal coliform, water temperature and other water quality parameters.	Nutrient loads, total dissolved solids, chemical constituents, fecal coliform, temperature, pH, specific conductance, turbidity, temperature, total nitrogen and total phosphorous, benthic macroinvertebrates, streambed particle size, etc.	Aquatic AIM Utah DNR water quality monitoring
b. Macroinvertebrate communities that indicate water quality meets aquatic objectives.		

Land Health Standard 1

Proposed assessment methods

The IDT followed the methods outlined in BLM TN 453 “Guide to Using AIM and LMF Data in Land Health Evaluations and Authorizations of Permitted Uses” (Kachergis et al. 2020), TN 455 “Applying and Interpreting Assessment, Inventory, and Monitoring (AIM) Data at the Field Office Level: An Example” (Grant-Hoffman et al. 2021), and BLM Handbook H-4180-1, “Rangeland Health Standards” (BLM 2001) to assess land health standards one through four.

Multiple lines of evidence were used to assess LHS #1 including: assessing AIM, LMF, and

other quantitative data (upland trend, fuels and ESR monitoring data, ESI soil stability) using the benchmark method, qualitative assessments (PFC, IIRH), photo plots, analysis of nested frequency and key species, remote sensing (RAP Tool, LandCART), land use history, precipitation and NDVI, IDT site visits, and professional opinion. Supplemental data including utilization studies, analysis of actual use to permitted use and available AUMs, drought analysis by year of data collection, comparison of annual production (lbs/ac) by year, fence and water development mapping and condition, and existing structural range improvements were used in addition to interpret the results of the assessment.

First, the IDT reviewed available datasets and selected relevant indicators for each land health standard (Table 1). Datasets were reviewed to determine which methods and indicators were comparable (Table 6). Next, the IDT reviewed available ecological site descriptions (ESDs) for Box Elder County to determine appropriate benchmarks for each selected indicator for LHS #1 and 3. Due to the number of incomplete and/or provisional ESDs for the assessment area, the IDT decided to use existing monitoring data to inform benchmark values as outlined in TN 453, and Appendix 2 of TN 455. These data were then aggregated and analyzed using upper and lower limits of benchmarks using quantiles from all AIM points within MLRA 28[JED1] [JED1] and other scientific data as determined by the SLFO IDT (see TN 455, Appendix A for detailed methods).

After reviewing the initial analysis from the TN-455.A method, the IDT decided to also analyze each of the nine selected indicators for LHS #1 using set values (reference condition of ecological site descriptions) as outlined in the benchmark method in TN 453. Benchmarks for each indicator were determined by the ecological site reference condition value. Indicators meeting a benchmark were equal to or greater than the low reference condition value. A total of 29 ecological sites and XX plots were evaluated using this method.

The IDT decided to present the analyses from both the TN-455.A (quantile) and benchmark (TN 453) approach side by side. This was done as an additional line of evidence. Benchmarks and the percent quartile threshold for each ecological site are shown in [Table #](#).

The IDT evaluated whether each plot was meeting the quantitative objectives by comparing indicator values at each plot to applicable benchmark values (Table #). The IDT considered each plot's location and land use history when summarizing the benchmark analysis results. For instance, the AIM and LMF points were identified using a random stratified sample design, whereas, upland trend plots represent "key areas", and fuels monitoring plots were purposefully selected to represent the effectiveness of management. After the IDT summarized the results of the benchmark (TN 453) and percentile methods (TN 455) by allotment, they assessed additional lines of evidence prior to making determining whether individual allotments were meeting LHS #1.

Additional lines of evidence:

Ecological Site Inventory

The BLM completed Ecological Site Inventories (ESI) ([Habich 2001](#)) at 71 sites in the assessment area in 2006 (Figure 1). Based on those inventories, a total of 28 ecological sites occur on the BLM-managed lands in the assessment area (Appendix A). The most common ecological sites are upland stony clay, upland loam, upland shallow loam, upland shallow loam, upland stony loam and mountain gravelly loam.

Through the ESI process, a comparison of vegetation production and composition can be made between the existing community and the Historical Climax Plant Community (HCPC) described in the ESD. This comparison involves sampling the productivity by species (e.g., clipping and weighing), or estimating the productivity based on previous samples, in order to generate a similarity index. The existing productivity is then summed for all measured species and described as a percentage of the total productivity in the HCPC, thereby generating the similarity index. Similarity indexes corresponding to successional status ([Table 4](#)). [Table 5](#) describes the successional status for each allotment in the assessment area.

. Similarity index and corresponding successional status (after Habich 2001).

Similarity Index	Successional Status
0-25%	Early
26-50%	Mid
51-75%	Late
76-100%	Historic Climax Plant Community

Summary of Ecological Site Inventory data and successional status in the assessment area.

Successional Status	Dry Canyon	Red Butte	Owl Springs	Kimball Creek	Lynn
Early	4%	8%	1%	0%	0%
Mid	45%	47%	51%	37%	70%
Late	45%	26%	46%	60%	29%
Historic Climax Plant Community	3%	12%	0%	0%	0%
Not rated	3%	7%	2%	3%	1%

The ESI found that Red Butte and Lynn are mostly in the mid seral successional status. Owl Springs and Dry Canyon are mostly in the mid seral and late seral successional status. Kimball Creek are mostly in the late seral successional status. Data from the ESI were used by the NRCS to update ecological site descriptions within Box Elder County. ESI data is typically used in assessing Utah Standards for Rangeland Health #1 and #3. However, these data were collected in 2006 and are provided here as baseline conditions for the allotments in 2006. It is not assumed that allotments have remained in the same successional status since the 2006 ESI assessment.

Interpreting Indicators of Rangeland Health

A BLM interdisciplinary team completed the Interpreting Indicators of Rangeland Health protocol (IIRH; Pellant et al. 2005) on the Dry Canyon, Kimball Creek, Lynn, Owl Springs, and Red Butte allotments in 2006 (Figure X). Figure X shows the location of the sites assessed (n=71). No determination of rangeland health was made at the time of the data collection (2006), as the BLM recognized that more quantitative data was needed to make a determination. IIRH data is typically used in assessing Utah Standards for Rangeland Health #1 and #3. However, these data were collected in 2006 and are provided here as baseline conditions for the allotments in 2006. It is not assumed that the allotments have remained in the same condition since the 2006 IIRH assessment.

Photo plots – analysis/comparison/trend by allotment and plots (bring to IDT). Update in methods.

Nested frequency and key species analysis by allotment

Remote sensing

- a. **RAP Tool** – this already done by allotment. Production has not been done. The RAP tool was also used to compare current year production to past years and quantify the amount above or below the average since the last permit renewal in 2004.
- b. **LandCART** – 19 indicators available. The IDT used the LandCART to evaluate trend of percent cover of selected AIM indicators (annual grass, bare ground, bare soil, canopy gap, perennial herbaceous, sagebrush, shrubs, and total foliar cover) by allotment within specified time periods. GROWING SEASON = May 1 – September 15th. We chose these dates based on when data was collected. 2006 till 2021.
 - i. Lynn

- ii. Kimball
- iii. Dry Canyon
- iv. Red Butte
- v. Owl Springs

Land use history – just consider this in making the overall calls by allotments and when evaluating points

IDT site visits

- Document site visits by team and purpose, general dates, notes

Date/timeframe	IDT	Where	Purpose/Conclusions

Professional opinion -

Supplemental data (Causal factors)

1. utilization studies
2. analysis of actual use to permitted use and available AUMs
3. drought analysis by year of data collection
4. Precip and NDVI
5. comparison of annual production (lbs/ac) by year
6. fence and water development mapping and condition
7. existing structural range improvements

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491 N John Glenn Road
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[\[JED1\]](#) Update this to whatever was actually done.

From: [Davis, Jordan R](#)
To: [Jencso, Emily D](#); [Schuller, Pamela N](#); [Rose, Marcus F](#)
Cc: [Puttara, Jennifer M](#); [Wade, Jessica A](#); [Howell, Tami L](#); [Marks, Todd R](#)
Subject: Re: WBE RHA
Date: Monday, December 4, 2023 3:56:42 PM
Attachments: [Outlook-zmh0k4ke.png](#)

Pam et al.

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Thank you,



Jordan Davis
Acting Field Manager
Price Field Office|Bureau of Land Management -Utah
p: (435) 636-3659
w: www.blm.gov

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Sent: Monday, December 4, 2023 3:32 PM
To: Schuller, Pamela N <pschulle@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Puttara, Jennifer M <jputtara@blm.gov>; Wade, Jessica A <jwade@blm.gov>; Howell, Tami L <thowell@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Marks, Todd R <tmarks@blm.gov>
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From: [Jencso, Emily D](#)
To: [Schuller, Pamela N](#); [Rose, Marcus F](#)
Cc: [Putterer, Jennifer M](#); [Wade, Jessica A](#); [Howell, Tami L](#); [Davis, Jordan R](#); [Marks, Todd R](#)
Subject: Re: WBE RHA
Date: Monday, December 4, 2023 3:32:49 PM

That is a good question Pam. I think we need to do the Determination and Causal Factor portion of the land health eval before we develop alternatives.

Emily Jencso
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Sent: Monday, December 4, 2023 3:25 PM
To: Jencso, Emily D <ejencso@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Putterer, Jennifer M <jputtere@blm.gov>; Wade, Jessica A <jwade@blm.gov>; Howell, Tami L <thowell@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Marks, Todd R <tmarks@blm.gov>
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Cc: [Puttere, Jennifer M](#); [Wade, Jessica A](#); [Howell, Tami L](#); [Davis, Jordan R](#); [Marks, Todd R](#)
Subject: RE: WBE RHA
Date: Monday, December 4, 2023 3:46:00 PM

I agree that it would be best to wait until the determination and causal factors are hashed out before we dig into the EA.

Thanks

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Monday, December 4, 2023 3:33 PM
To: Schuller, Pamela N <pschulle@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Puttere, Jennifer M <jputtere@blm.gov>; Wade, Jessica A <jwade@blm.gov>; Howell, Tami L <thowell@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>; Marks, Todd R <tmarks@blm.gov>
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Cc: [Putterer, Jennifer M](#); [Wade, Jessica A](#); [Howell, Tami L](#); [Davis, Jordan R](#); [Marks, Todd R](#)
Subject: Re: WBE RHA
Date: Monday, December 4, 2023 3:25:46 PM

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From: [Wade, Jessica A](#)
To: [Davis, Jordan R](#); [Jencso, Emily D](#); [Schuller, Pamela N](#); [Rose, Marcus F](#)
Cc: [Puttere, Jennifer M](#); [Howell, Tami L](#); [Marks, Todd R](#)
Subject: RE: WBE RHA
Date: Tuesday, December 5, 2023 6:30:10 AM
Attachments: [image002.png](#)

Good morning –

Thank you Emily and Marcus! We all know how incredibly hard you both have been working on this assessment. I am really excited to see your work. This is a big piece that is just about to the finish line. And agree, you should be proud.

I agree with Jordan's synopsis. Although a painfully long process, the determination needs to be drafted before the EA is started. I suppose we should be talking about how long that will take and to start figuring out timelines for that in early 2024. Pam, is this determination on your priority sheet yet?

Jessica Wade
Bureau of Land Management
West Desert District/Salt Lake Field Office
Field Manager
O: 801-320-8350



From: Davis, Jordan R <jordandavis@blm.gov>
Sent: Monday, December 4, 2023 3:57 PM
To: Jencso, Emily D <ejencso@blm.gov>; Schuller, Pamela N <pschulle@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Cc: Puttere, Jennifer M <jputtere@blm.gov>; Wade, Jessica A <jwade@blm.gov>; Howell, Tami L <thowell@blm.gov>; Marks, Todd R <tmarks@blm.gov>
Subject: Re: WBE RHA

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Jordan Davis

Acting Field Manager

Price Field Office | Bureau of Land Management -Utah

p: (435) 636-3659

w: www.blm.gov

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From: Schuller, Pamela N <pschulle@blm.gov>

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Salt Lake City, UT 84116

From: [Davis, Jordan R](#)
To: [Jencso, Emily D](#); [Puttere, Jennifer M](#); [Rose, Marcus F](#)
Subject: Re: WBE wildlife updates
Date: Thursday, August 31, 2023 4:04:11 PM
Attachments: [Jordank-Sawtooth.mxd](#)

Thanks for the update.



Jordan Davis
Assistant Field Manager
Salt Lake Field Office | Bureau of Land Management -Utah
p: (385) 278-3618
w: www.blm.gov

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Thursday, August 31, 2023 2:36 PM
To: Davis, Jordan R <jordandavis@blm.gov>; Puttere, Jennifer M <jputtere@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Subject: WBE wildlife updates

Jordan, I just wanted to update you. I asked Marcus to move the executive summary meeting a few days. I am still writing. I gave Jennifer an update this morning and she was supportive and aware of my schedule. I lost 2 days last week to computer nonsense, and today has been lost to meetings, data errors, and WRI completion reports as well as project submissions for the next agreement. I am plugging away and can provide a more detailed update as needed (you can see how much has been written etc in the doc).

best,
Em

Emily Jencso
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From: [Rose, Marcus F](#)
To: [Howell, Tami L](#)
Subject: RE: West Box Elder
Date: Monday, December 18, 2023 6:41:00 AM

Tami,

Once the managers finish reviewing the land health document, we would need a few weeks to make edits and corrections, depending on how many edits are needed. Then the plan was to send it out to permittees for comments to see if they have any additional data or information/comments they would like to add. I believe the initial plan that Jordan and I talked about was just to send the land health assessment out and then send a separate determination of causal factors. However, I think it would be worth a discussion to talk about finishing the causal factor analysis and sending the land health assessment and causal factor analysis together. That may paint a more complete picture of needed action moving forward.

Thanks,
Marcus

From: Howell, Tami L <thowell@blm.gov>
Sent: Friday, December 15, 2023 11:47 AM
To: Rose, Marcus F <mrose@blm.gov>
Subject: West Box Elder

Marcus,

Can you give me an idea of a timeline/next steps for the land health assessment once we have it reviewed? We talked about it yesterday and it will be my main focus after the first of the year to finish reviewing it.

Thanks

Tami Howell
Wild Horse & Burro Specialist
Salt Lake Field Office
491 N John Glenn Road
Salt Lake City, UT 84116
Desk: 801-320-8359
Cell: 801-419-4552
thowell@blm.gov

From: [Burgess-Conforti, Jason R](#)
To: [Rose, Marcus F](#)
Subject: RE: West Box Elder allotments RAP data
Date: Wednesday, June 28, 2023 10:04:43 AM
Attachments: [WBE RAP Trend Graphs 6.28.docx](#)

Jason R. Burgess-Conforti, Ph.D.
Monitoring Coordinator / ESR State Lead
United States Department of the Interior
Bureau of Land Management
Utah State Office
Cell: (385) 867-4708
Office: (801) 539-4106

From: Rose, Marcus F <mrose@blm.gov>
Sent: Tuesday, June 27, 2023 4:53 PM
To: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>
Subject: West Box Elder allotments RAP data

Hello Jason,
Here is a spreadsheet with all of the RAP data for BLM lands within the five west box elder allotments from 2006 to 2021. The data for each allotment is in its own tab. If you can throw together graphs for these allotments like you made with the RAP data previously that would be very helpful.
Thanks!

Marcus Rose
Rangeland Management Specialist
Bureau of Land Management
Salt Lake Field Office
Office: 801-320-8352
Cell: 385-600-1049

From: [Rose, Marcus F](#)
To: [Burgess-Conforti, Jason R](#)
Subject: RE: West Box Elder allotments RAP data
Date: Wednesday, June 28, 2023 11:28:00 AM

Thanks!

From: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>
Sent: Wednesday, June 28, 2023 10:02 AM
To: Rose, Marcus F <mrose@blm.gov>
Subject: RE: West Box Elder allotments RAP data

Jason R. Burgess-Conforti, Ph.D.
Monitoring Coordinator / ESR State Lead
United States Department of the Interior
Bureau of Land Management
Utah State Office
Cell: (385) 867-4708
Office: (801) 539-4106

From: Rose, Marcus F <mrose@blm.gov>
Sent: Tuesday, June 27, 2023 4:53 PM
To: Burgess-Conforti, Jason R <jburgessconforti@blm.gov>
Subject: West Box Elder allotments RAP data

Hello Jason,

Here is a spreadsheet with all of the RAP data for BLM lands within the five west box elder allotments from 2006 to 2021. The data for each allotment is in its own tab. If you can throw together graphs for these allotments like you made with the RAP data previously that would be very helpful.

Thanks!

Marcus Rose
Rangeland Management Specialist
Bureau of Land Management
Salt Lake Field Office
Office: 801-320-8352
Cell: 385-600-1049

From: [Jencso, Emily D](#)
To: [Puttere, Jennifer M](#)
Cc: [Davis, Jordan R](#); [Wade, Jessica A](#); [Rose, Marcus F](#)
Subject: Re: West Box Elder Permit Renewal
Date: Tuesday, October 3, 2023 8:04:30 AM

Good morning Jennifer,

The due date Jessica gave in our check in meeting last week was 3 weeks which was the 16th. I had requested more because of being out for Lars and I being sick, and knowing that I will be out days over the next weeks (Columbus day is a holiday, school is closed 12/13=AL, and I have a handful of doctors appts). I will focus my time on just my sections and will be complete by the 16th.

Status update

1. We re-rated Lynn allotment last week. We both need to make sure those changes are reflected throughout that section.
2. I am working on the mig bird and big game analysis currently. I have a meeting with Jennifer Timmer and a biostatistician from IMBCR about the assessment area and mig bird trend data this week.
3. I am working on the fence and livestock water analysis. Lucas is making me some maps, I am working on graphics/figures, and the write up.
4. Formatting the doc - I will work on my sections.
5. The Landcart supplemental report needs to be reviewed (particularly chapter 4) for one voice. I will focus a reread on my sections and Chaps 1-3 since I primarily wrote those.
5. The Landcart supplemental report needs to be QC'd and added as an appendix at some point. Right now it is 5 separate documents.

Best,

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Puttere, Jennifer M <jputtere@blm.gov>
Sent: Monday, October 2, 2023 4:00 PM
To: Jencso, Emily D <ejencso@blm.gov>
Cc: Davis, Jordan R <jordandavis@blm.gov>; Wade, Jessica A <jwade@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Subject: RE: West Box Elder Permit Renewal

I was of the understanding you needed additional weeks starting from the time we spoke. Let me know of your progress! Thanks.

Jennifer Puttere
Assistant Field Manager, Renewables – Salt Lake Field Office
West Desert District
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, Utah 84116
Desk Phone: 801-320-8364
Cell Phone: 385-471-1518

From: Jencso, Emily D <ejencso@blm.gov>
Sent: Monday, October 2, 2023 3:32 PM
To: Puttere, Jennifer M <jputtere@blm.gov>
Cc: Davis, Jordan R <jordandavis@blm.gov>; Wade, Jessica A <jwade@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Subject: Re: West Box Elder Permit Renewal

I believe that is the same due date as previously. But noted.

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Puttere, Jennifer M <jputtere@blm.gov>
Sent: Monday, October 2, 2023 3:10 PM
To: Jencso, Emily D <ejencso@blm.gov>
Cc: Davis, Jordan R <jordandavis@blm.gov>; Wade, Jessica A <jwade@blm.gov>; Rose, Marcus F <mrose@blm.gov>
Subject: West Box Elder Permit Renewal

In response to your request for an extension for West Box Elder, the new Due Date is Monday, October 16 by close of business.

Thanks!

Jennifer Puttere
Assistant Field Manager, Renewables – Salt Lake Field Office
West Desert District
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, Utah 84116
Desk Phone: 801-320-8364
Cell Phone: 385-471-1518

From: [Williams, Nancy N](#)
To: [Fletcher, Dan T](#)
Cc: [Neff, Brandon D](#)
Subject: Re: Wildlife Escape Ramps
Date: Thursday, November 30, 2023 4:07:40 PM

We've got 11 in Randolph right now. Brandon is going to get a count of new troughs and we'll figure it out from there. I also noticed yesterday that some of the troughs (don't have a complete inventory) in Woodruff Pastures don't have ramps, so we will need ramps for those too.

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: Fletcher, Dan T <dfletche@blm.gov>
Sent: Wednesday, November 29, 2023 6:35 AM
To: Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Wildlife Escape Ramps

That sounds great. If you could find out how many are in Randolph and then estimate how many more are needed we could go ahead and get them purchased.

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Wednesday, November 29, 2023 6:34 AM
To: Fletcher, Dan T <dfletche@blm.gov>
Subject: Re: Wildlife Escape Ramps

Those look like the ones we have been using. We've got some in the shop at the Randolph Field Station. I can see how many we've got up there.

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: Fletcher, Dan T <dfletche@blm.gov>
Sent: Tuesday, November 28, 2023 4:31 PM
To: Williams, Nancy N <nwilliam@blm.gov>
Subject: Wildlife Escape Ramps

Nancy,

Do you have a specification for wildlife escape ramps that you would like to use in UBR? I have used the following and they work pretty good.

<https://www.rainmakerwildlife.com/products/escape-ramps>

I am just thinking as the water troughs are being inventoried for escape ramps that we may as well get them installed at the same time. The new troughs will need ramps as well. If we could estimate how many ramps are needed we could go ahead and submit a PR to get them purchased. Dependent on what kind of ramps you want and how much they cost I would expect that they could be purchased with a credit card.

Let me know your thoughts.

Cheers,

Dan Fletcher
Restoration Landscape Project Manager
Utah State Office (Duty Station - Cedar City)
Bureau of Land Management
435-865-3049
435-590-4834

From: [Bullock, Jerry D](#)
To: [Fletcher, Dan T](#); [Neff, Brandon D](#); [Williams, Nancy N](#); [Howell, Tami L](#)
Subject: Re: Wildlife Escape Ramps
Date: Wednesday, January 17, 2024 1:25:13 PM

I'm including Tami. Last I talked to her they were working out who would make the purchase since I just recently bought \$10,000 worth. It wouldn't be a split purchase, but if someone else were to purchase them it would help minimize the appearance of a split purchase.

Jerry Bullock
Range Management Specialist
Bureau of Land Management
Salt Lake Field Office
491 North John Glenn Road
Salt Lake City, Utah 84116
Office: (801) 320-8326
Cell: (801) 232-7551

From: Fletcher, Dan T <dfletche@blm.gov>
Sent: Wednesday, January 17, 2024 1:18 PM
To: Neff, Brandon D <bneff@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>; Bullock, Jerry D <jdbulloc@blm.gov>
Subject: Re: Wildlife Escape Ramps

All,

I was wondering if the Purchase Request for 50 wildlife escape ramps was completed in December.

If so can I get a copy of the signed PR for the project record.

Thanks,

From: Fletcher, Dan T <dfletche@blm.gov>
Sent: Tuesday, December 5, 2023 3:58 PM
To: Neff, Brandon D <bneff@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Wildlife Escape Ramps

Brandon,

Lets go ahead and change the PR to 50. I guess the biggest issue that I can see is this may be deemed a split purchase unless the order was completed last Fiscal Year. Talk to Jerry and let me know.

Thanks,

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, December 5, 2023 3:51 PM
To: Fletcher, Dan T <dfletche@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Wildlife Escape Ramps

Dan,

It's a moot point now I suppose. I just talked with Jerry and he said this order was from a couple months ago and has been reconciled in the system now. I will go through with the order of 100 ramps. Never hurts to have extras. Sorry for any confusion.

Thanks

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, December 5, 2023 3:44 PM
To: Fletcher, Dan T <dfletche@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Wildlife Escape Ramps

Dan,

Yes this is a previous order, not the one you have attached to this thread. Would you want the whole amount changed to the code?

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116

From: Fletcher, Dan T <dfletche@blm.gov>
Sent: Tuesday, December 5, 2023 3:41 PM
To: Neff, Brandon D <bneff@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Wildlife Escape Ramps

Brandon,

So this is a previous order that was received? If so I think I want Jerry to change a portion to the code I provided earlier today. Pretty imperative we spend IRA funding where we can especially if escape ramps are used in UBR.

Cheers

Get [Outlook for iOS](#)

From: Fletcher, Dan T <dfletche@blm.gov>
Sent: Tuesday, December 5, 2023 3:38:35 PM
To: Neff, Brandon D <bneff@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Wildlife Escape Ramps

Brandon,

I identified IRA funding on the PR form is that the code that was used. Everyone is in a panic about funding being utilized quickly so I am glad this is done.

Let me know.

Thanks

Get [Outlook for iOS](#)

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, December 5, 2023 3:20:48 PM
To: Fletcher, Dan T <dfletche@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Wildlife Escape Ramps

Dan,

FYI, Jerry just ordered and we have received 120, 24" escape ramps from rainmaker. These were purchased through wildlife program funding (Nancy, please correct me if I am wrong). In light of this information, unless they are dedicated to other projects (Nancy?), do you still want to continue with this new order for ramps? Also, Jerry said that that many ramps came

to \$9,920, so a PR may not be needed since it would be under \$10,000.

Thank You

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Fletcher, Dan T <dfletche@blm.gov>
Sent: Tuesday, December 5, 2023 1:48 PM
To: Neff, Brandon D <bneff@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Wildlife Escape Ramps

Brandon,

Sounds good thanks for doing that. Whoever completes the order for you be sure to let them know if the ladders need to go to Randolph. They will need to provide rainmaker with the delivery address. Also sounds like SLFO has a deal with a local that takes delivery of materials. They will need some lead time if they are taking delivery and putting in the Randolph yard.

Cheers

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, December 5, 2023 1:42 PM
To: Fletcher, Dan T <dfletche@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Wildlife Escape Ramps

Dan,

I will go ahead and take this on. Appreciate you prepopulating most everything!

Thanks

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Fletcher, Dan T <dfletche@blm.gov>

Sent: Tuesday, December 5, 2023 12:56 PM

To: Williams, Nancy N <nwilliam@blm.gov>; Neff, Brandon D <bneff@blm.gov>

Subject: Re: Wildlife Escape Ramps

Hi,

Would one of you mind taking the lead on getting the attached PR signed by your Supervisor and have someone purchase the escape ramps on a credit card? You will need to complete the requestor name and phone number fields. Also since it is a supply purchase over \$5,000 you will need to have the property clerk sign. I have used 24" down here the majority of the time, but be sure to verify the size prior to ordering.

Let me know.

Thanks,

From: Williams, Nancy N <nwilliam@blm.gov>

Sent: Tuesday, December 5, 2023 12:25 PM

To: Fletcher, Dan T <dfletche@blm.gov>; Neff, Brandon D <bneff@blm.gov>

Subject: Re: Wildlife Escape Ramps

Seems like that should be plenty.

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: Fletcher, Dan T <dfletche@blm.gov>

Sent: Tuesday, December 5, 2023 11:36 AM

To: Neff, Brandon D <bneff@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>

Subject: Re: Wildlife Escape Ramps

Hi,

So does 100 bird ladders sound reasonable? If we order to many they can always be used in other locations as determined necessary.

Let me know.

Thanks,

From: Neff, Brandon D <bneff@blm.gov>
Sent: Friday, December 1, 2023 10:07 AM
To: Williams, Nancy N <nwilliam@blm.gov>; Fletcher, Dan T <dfletche@blm.gov>
Subject: Re: Wildlife Escape Ramps

Yes, it sure was. I'm thinking that it was some kind of disconnect between BLM and the contactor(s) that wrote the EA. Also, sometimes you don't see the weaknesses/issues of complex grazing systems until full implementation.

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Friday, December 1, 2023 9:35 AM
To: Neff, Brandon D <bneff@blm.gov>; Fletcher, Dan T <dfletche@blm.gov>
Subject: Re: Wildlife Escape Ramps

Let me get an estimate of what we need for Woodruff Pastures.

And BTW, 28 new troughs on top of what we've already added? That seems like there was crazy underestimate of trough needs when Three Creeks was being written.

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116

(801) 320-8357

From: Neff, Brandon D <bneff@blm.gov>
Sent: Friday, December 1, 2023 9:21 AM
To: Fletcher, Dan T <dfletche@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Wildlife Escape Ramps

Hello,

There are 28 new trough locations proposed with a maximum of 3 troughs/location. However, some locations may not take 3 troughs, but we should plan for the maximum just to cover all bases in my opinion. Does this information give you enough to calculate escape ramps?

Thank You

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Fletcher, Dan T <dfletche@blm.gov>
Sent: Thursday, November 30, 2023 4:14 PM
To: Williams, Nancy N <nwilliam@blm.gov>
Cc: Neff, Brandon D <bneff@blm.gov>
Subject: Re: Wildlife Escape Ramps

Okay sounds good I think a good solid ballpark on the number of escape ramps that are needed would suffice. They do not cost too much and it would be great to go ahead and start obligating funding.

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Thursday, November 30, 2023 4:07 PM
To: Fletcher, Dan T <dfletche@blm.gov>
Cc: Neff, Brandon D <bneff@blm.gov>
Subject: Re: Wildlife Escape Ramps

We've got 11 in Randolph right now. Brandon is going to get a count of new troughs and we'll figure it out from there. I also noticed yesterday that some of the troughs (don't have a complete inventory) in Woodruff Pastures don't have ramps, so we will need ramps for those

too.

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: Fletcher, Dan T <dfletche@blm.gov>
Sent: Wednesday, November 29, 2023 6:35 AM
To: Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Wildlife Escape Ramps

That sounds great. If you could find out how many are in Randolph and then estimate how many more are needed we could go ahead and get them purchased.

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Wednesday, November 29, 2023 6:34 AM
To: Fletcher, Dan T <dfletche@blm.gov>
Subject: Re: Wildlife Escape Ramps

Those look like the ones we have been using. We've got some in the shop at the Randolph Field Station. I can see how many we've got up there.

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: Fletcher, Dan T <dfletche@blm.gov>
Sent: Tuesday, November 28, 2023 4:31 PM
To: Williams, Nancy N <nwilliam@blm.gov>
Subject: Wildlife Escape Ramps

Nancy,

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<https://www.rainmakerwildlife.com/products/escape-ramps>

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Let me know your thoughts.

Cheers,

Dan Fletcher
Restoration Landscape Project Manager
Utah State Office (Duty Station - Cedar City)
Bureau of Land Management
435-865-3049
435-590-4834

From: [Bates, Thomas H](#)
To: [Rose, Marcus F](#)
Subject: Re: WWP and PEER lawsuit regarding the use of FLPMA 402 c
Date: Tuesday, October 17, 2023 4:32:56 PM

Spence sent that to me earlier today. Thanks!

Tom Bates

Rangeland Management Specialist
Tuscarora Field Office
BLM Elko District

3900 East Idaho Street
Elko, NV 89801
(775) 753-0389
tbates@blm.gov

From: Rose, Marcus F <mrose@blm.gov>
Sent: Tuesday, October 17, 2023 9:28 AM
To: Bates, Thomas H <tbates@blm.gov>
Subject: FW: WWP and PEER lawsuit regarding the use of FLPMA 402 c

I don't know if you have seen this or not. Hope all is well!

From: Bass, Alan J <abass@blm.gov>
Sent: Tuesday, October 17, 2023 10:04 AM
To: Reese, John C <jcreese@blm.gov>; Carlile, Jason G <jcarlile@blm.gov>; Kitchen, Lara J <lkitchen@blm.gov>; Caso, Paul E <pcaso@blm.gov>; Carling, Jed J <jcarling@blm.gov>; Davenport, Burke W <bdavenport@blm.gov>; Lefevre, Logan J <ljlefevre@blm.gov>; Carpenter, Dusty L <dcarpen@blm.gov>; Reese, Ryan S <rreese@blm.gov>; Bauer, Stephanie G <sbauer@blm.gov>; Gubler, Carson K <cgubler@blm.gov>; Bybee, Jason M <jmbybee@blm.gov>; Vollmer, Vernen (Aaron) <vvollmer@blm.gov>; Bayles, Douglass M <dbayles@blm.gov>; Tucker, Dylan W <dwtucker@blm.gov>; Bullock, Jerry D <jdbulloc@blm.gov>; Decker, Travis W <tdecker@blm.gov>; Reese, Jeffrey M <jmreese@blm.gov>; Stewart, Sean L <s2stewar@blm.gov>; Taylor, Brian G <b65taylo@blm.gov>; Neff, Brandon D <bneff@blm.gov>; Carson, Haydn D <hcarson@blm.gov>; Tallerico, Johny S <jtallerico@blm.gov>; Whitaker, David M <dwhitake@blm.gov>; Rose, Marcus F <mrose@blm.gov>; Andreason, Wyatt D <wandreason@blm.gov>; Reese, Brandt L <breesee@blm.gov>; Moulton, Michael C <mcmoulton@blm.gov>; Eliason, Chad E <celiason@blm.gov>
Cc: Robbins, Joshua C <jcrobbin@blm.gov>
Subject: WWP and PEER lawsuit regarding the use of FLPMA 402 c

I don't think I ever sent this out and said I would on the last Utah range call.

Alan Bass
Utah Range Program Lead
Bureau of land Management
abass@blm.gov
Office 801-539-4149
Cell 385-222-1783

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From: [Johnson, Drusus \(Dru\)](#)
To: [Seiders, Erin S](#)
Subject: Re: Young Bro Pipeline Data
Date: Wednesday, March 29, 2023 2:03:53 PM

Hi Erin,

It was great to chat with you today about the updated pipeline route, and making me aware of the GIS update

To summarize, I will be looking up the OHV designations for the following locations:

Township 9, Range 12, Sections 5, 6, 7, 8, 17, 32.

Township 8, Range 11, Sections 9, 15, 16.

In the meantime,

Can you please ask Collin to send us a shapefile path of this project's pipeline. I have your zipfile but with the most recent GIS update it will be difficult for me to upload it into a project, whereas a shapefile path would be easiest to load into my working NEPA template.

Thank you!

From: Seiders, Erin S <eseiders@blm.gov>
Sent: Wednesday, March 15, 2023 3:54 PM
To: Johnson, Drusus (Dru) <dajohnson@blm.gov>
Subject: Re: Young Bro Pipeline Data

Hey Dru,

Sorry just now seeing this response back from you, its been a busy day.... Why don't we try to chat next week

sometime, if that could work for you...

Erin Seiders, Range Technician

BLM Salt Lake Field Office

2370 S. Decker Lake Blvd

West Valley City, UT 84119

Desk: 801-977-4334

From: Johnson, Drusus (Dru) <dajohnson@blm.gov>
Sent: Wednesday, March 15, 2023 10:48 AM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: Re: Young Bro Pipeline Data

Hi Erin, thanks for the update. If they are now using a designated route there would be very

few concerns from my end. Just making sure they can allow traffic through in increments if crews may be blocking the road during construction. Although I don't anticipate much traffic in that area.

If you have any questions and you'd like to chat today (Wednesday) feel free to give me a call on teams. I'll be in the field tomorrow (Thursday) at Knolls.

Hope this information helps!

From: Seiders, Erin S <eseiders@blm.gov>
Sent: Monday, March 13, 2023 4:02:22 PM
To: Johnson, Drusus (Dru) <dajohnson@blm.gov>
Subject: Fw: Young Bro Pipeline Data

Dru,

I am forwarding this email from Colin to you because it has the latest shapefiles for the Young Pipeline. I was able to go out with the permittee and 'fine tune' the pipeline route. The IDTeam Check List under the "Travel/Transportation section in the area in T. 9 N., R. 12 W., Section 4, will now be following a designated route.

I also have a few questions under Protective Measures in the DNA under Travel/Transportation...maybe we could reach out via Teams on Wednesday or Thursday ?

Sincerely,

Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Powers, Colin M <cpowers@blm.gov>
Sent: Tuesday, January 31, 2023 2:11 PM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: Young Bro Pipeline Data

Erin,

I think the file they shared back is an older version. I am attaching the most recent data we worked on in this zip. It contains the pipeline we edited, the well/trough/tank locations and the potential tank locations.

I believe this should be everything, but if there is anything missing I can find or recreate it.

Colin Powers

GIS Specialist

BLM- West Desert District

491 John Glenn Road

Salt Lake City, UT 84116

From: [Powers, Colin M](#)
To: [Seiders, Erin S](#); [Johnson, Drusus \(Dru\)](#)
Subject: Re: Young Bro Pipeline Data
Date: Wednesday, March 29, 2023 3:09:25 PM

No problem, here is the locations, the data and maps are in this project folder.
[\\blm\dfs\loc\EGIS\UT\GisData\ut\sl\projects\Range\Projects\Young Brothers Pipeline](#)

Colin Powers
GIS Specialist
BLM- West Desert District

From: Seiders, Erin S <eseiders@blm.gov>
Sent: Wednesday, March 29, 2023 3:05:40 PM
To: Powers, Colin M <cpowers@blm.gov>
Subject: Re: Young Bro Pipeline Data

Oh thank you Colin, in there also a path that Dru can follow to get this data ?

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: Powers, Colin M <cpowers@blm.gov>
Sent: Wednesday, March 29, 2023 2:37 PM
To: Seiders, Erin S <eseiders@blm.gov>; Johnson, Drusus (Dru) <dajohnson@blm.gov>
Subject: Fwd: Young Bro Pipeline Data

Erin, here is the latest data we worked on.

Colin Powers
GIS Specialist
BLM- West Desert District

From: Powers, Colin M
Sent: Tuesday, January 31, 2023 2:11:59 PM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: Young Bro Pipeline Data

Erin,
I think the file they shared back is an older version. I am attaching the most recent data we worked on in this zip. It contains the pipeline we edited, the well/trough/tank locations and the potential tank locations.

I believe this should be everything, but if there is anything missing I can find or recreate it.

Colin Powers

GIS Specialist

BLM- West Desert District

491 John Glenn Road

Salt Lake City, UT 84116

From: [Davis, Jordan R](#)
To: [Seiders, Erin S](#)
Subject: Re: Young Pipeline Bid
Date: Monday, March 20, 2023 6:16:04 AM
Attachments: [Outlook-xmb4mv1l.png](#)

Erin,

The bid sounds reasonable to me.

Thanks,



Jordan Davis

Assistant Field Manager

Salt Lake Field Office | Bureau of Land Management -Utah

p: (385) 278-3618

w: www.blm.gov

From: Seiders, Erin S <eseiders@blm.gov>
Sent: Friday, March 17, 2023 10:23 AM
To: Davis, Jordan R <jordandavis@blm.gov>
Subject: Young Pipeline Bid

Jordan,

It sounds like Arie received four bids, with the lowest from LA Neal Consulting, LLC. They have a bid for \$ 19,775.10 (~\$68/acre). The approximate finish date would be 6/30/23. Let me know if this all sounds reasonable, and I will give the go ahead from our end.

Thank you,
Erin

Erin Seiders, Range Technician

BLM Salt Lake Field Office
2370 S. Decker Lake Blvd
West Valley City, UT 84119
Desk: 801-977-4334

From: [Rose, Marcus F](#)
To: [Rose, Marcus F](#)
Subject: Emigrant pass rain gauge was knocked over when I checked it on March 28, 2023.
Date: Monday, July 10, 2023 11:57:15 AM

Emigrant pass rain gauge was knocked over when I checked it on March 28, 2023. I put it back on the post and filled it up to 1.25 inches with antifreeze and mineral oil.

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From: [Neff, Brandon D](#)
To: [Howell, Tami L](#)
Subject: Fw: [EXTERNAL] Fwd: Dry hollow pipeline Cumberland
Date: Tuesday, December 12, 2023 4:10:51 PM
Attachments: [Pipeline.PNG](#)
[Last trough locations.PNG](#)
[Dry Hollow Pipeline Extension.pdf](#)

Tami,

Just forwarding this to you from Taylor Payne. This is the project he is talking about that is on Utah BLM lands, but grazing management is overseen by the Kemmerer FO. I would suppose this to be a supervisor/upper management decision between the two FO's.

Thank You

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Taylor Payne <taylorpayne@utah.gov>
Sent: Wednesday, December 6, 2023 11:23 AM
To: Neff, Brandon D <bneff@blm.gov>
Subject: [EXTERNAL] Fwd: Dry hollow pipeline Cumberland

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Here are some maps of the proposed Dry Hollow Pipeline. This is the Cumberland Allotment that is administered by the Kemmerer Field Office. This project is located in Utah behind the Cumberland Mountains. The pipeline would be attached to an existing well and existing pipeline on SITLA land. It is approx. 4.5 miles with 5 or 6 trough locations.
- Taylor

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

From: **Jared Davis** <jared137@gmail.com>
Date: Wed, Dec 6, 2023 at 9:57 AM
Subject: Dry hollow pipeline Cumberland
To: Taylor Payne <taylorpayne@utah.gov>

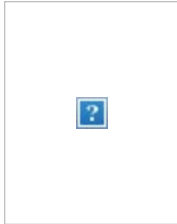
Taylor,

Here are the maps for this project.

Thanks

Jared

--



Taylor Payne | NW Region GIP Coordinator

435-757-6115 mobile

[Website](#) | [Twitter](#) | [Facebook](#) | [Instagram](#)

How was your experience with the Utah Department of Agriculture and Food? Tell us about your experience through this 2-minute survey!

Follow this link to the survey:

[Take the Survey](#)

Or copy and paste the URL below into your internet browser:

https://utconciierge.qualtrics.com/jfe/form/SV_cUTRcsmWFFj4rig

From: [Davis, Jordan R](#)
To: [Seiders, Erin S](#)
Subject: Fw: [EXTERNAL] Goring Actual Grazing Use Report
Date: Tuesday, April 11, 2023 9:08:11 AM
Attachments: [Outlook-mmncozhe.png](#)



Jordan Davis

Assistant Field Manager

Salt Lake Field Office | Bureau of Land Management -Utah

p: (385) 278-3618

w: www.blm.gov

From: Sherie Goring <sheriegoring13@gmail.com>
Sent: Monday, April 10, 2023 8:11 PM
To: Davis, Jordan R <jordandavis@blm.gov>
Subject: [EXTERNAL] Goring Actual Grazing Use Report

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

I have attached the actual grazing use report. Any questions, please let me know.

From: [Mellon, Cassie D](#)
To: [Neff, Brandon D](#)
Subject: FW: [EXTERNAL] Sage Creek Road Crossing
Date: Thursday, August 31, 2023 12:56:21 PM

Hi Brandon, did you see this road wash out? This is the bridge over Sage Creek – just off of the highway. I'm not sure if this is something for operations but thought you should know at least.

Cassie Mellon
Fisheries and Riparian Program Lead
BLM Utah
801-539-4073 (office)
385-443-1621 (cell)
cmellon@blm.gov

From: Kleimeyer, Mitch <Mitchell.Kleimeyer@colostate.edu>
Sent: Thursday, August 31, 2023 12:51 PM
To: Mellon, Cassie D <cmellon@blm.gov>
Subject: [EXTERNAL] Sage Creek Road Crossing

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Hi Cassie,

Forwarding these bridge photos to you in case you haven't received them yet. This is the crossing at 41.768690, -111.174216 just off of the paved road and the damage occurred during a flash/storm event the evening of 8/17/2023.

Thanks,

Mitch

Mitchell Kleimeyer
Aquatic Ecology Research Associate
Colorado Natural Heritage Program
Colorado State University

Mitchell.Kleimeyer@colostate.edu

From: David Fleshman <dflesh5@gmail.com>

Sent: Wednesday, August 30, 2023 9:37 AM

To: Kleimeyer, Mitch <Mitchell.Kleimeyer@colostate.edu>

Subject:

**** Caution: EXTERNAL Sender ****

From: [Williams, Nancy N](#)
To: [Neff, Brandon D](#)
Subject: Fw: Bear River fences
Date: Tuesday, September 12, 2023 3:14:25 PM
Attachments: [BearRiverFenceMod12SEP2023.pdf](#)
[BearRiverFencesModLatestData.zip](#)

I forgot to mention that we need to mark fences in high risk areas for grouse and if we are going to use those wood fence stays we need to mitigate for those as raptor perches as well. I can do a clip and identify the sections that need to be marked.

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Tuesday, September 12, 2023 2:52 PM
To: Neff, Brandon D <bneff@blm.gov>
Subject: Bear River fences

Brandon -

Attached are a pdf and shapefiles for the Bear River Fences. The fences we agreed to in the meeting yesterday are in dark green with a priority of "high". They only totaled ~28 miles, so I chose ~14 more miles of fence that I would like to see modified, which is light green with a priority of "wild". That totals ~42 miles of fence. What do you think?

[FYI - The other categories include my original highest priorities 1 purple and 2 blue, the fences I prioritized lower (low - brown), and the Stuart fence that is being removed (gray - remov)].

Nancy

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: [Williams, Nancy N](#)
To: [Neff, Brandon D](#)
Subject: Fw: Bear River fences
Date: Tuesday, September 12, 2023 3:14:25 PM
Attachments: [BearRiverFenceMod12SEP2023.pdf](#)
[BearRiverFencesModLatestData.zip](#)

I forgot to mention that we need to mark fences in high risk areas for grouse and if we are going to use those wood fence stays we need to mitigate for those as raptor perches as well. I can do a clip and identify the sections that need to be marked.

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Tuesday, September 12, 2023 2:52 PM
To: Neff, Brandon D <bneff@blm.gov>
Subject: Bear River fences

Brandon -

Attached are a pdf and shapefiles for the Bear River Fences. The fences we agreed to in the meeting yesterday are in dark green with a priority of "high". They only totaled ~28 miles, so I chose ~14 more miles of fence that I would like to see modified, which is light green with a priority of "wild". That totals ~42 miles of fence. What do you think?

[FYI - The other categories include my original highest priorities 1 purple and 2 blue, the fences I prioritized lower (low - brown), and the Stuart fence that is being removed (gray - remov)].

Nancy

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: [Neff, Brandon D](#)
To: [Royal, Kevin A](#)
Subject: Fw: Bear River wildlife priority fences for modification/replacement
Date: Tuesday, August 29, 2023 12:32:15 PM
Attachments: [Outlook-wjceg4kv.png](#)

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, August 29, 2023 11:45 AM
To: Davis, Jordan R <jordandavis@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Bear River wildlife priority fences for modification/replacement

I can do that. I will start the conversation with UGIP and Three Creeks to confirm whether that fence is needed or not.

Thank You

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Davis, Jordan R <jordandavis@blm.gov>
Sent: Tuesday, August 29, 2023 11:43 AM
To: Neff, Brandon D <bneff@blm.gov>; Williams, Nancy N <nwilliam@blm.gov>
Subject: Re: Bear River wildlife priority fences for modification/replacement

Thanks all, Kevin is tied in with the fence shape Nancy sent and has added it to our list for inspection.

Brandon,

Would you get with Kevin and look over a fence line in Three Creeks, Stuart Pasture

and next to the Woodruff allotment. I am not seeing a purpose for the fence there and Nancy has it flagged on the shape file for modification. If it isn't needed we may just added it to the contract for removal. But please verify if it is or isn't needed.

Take care,



Jordan Davis
Assistant Field Manager
Salt Lake Field Office | Bureau of Land Management -Utah
p: (385) 278-3618
w: www.blm.gov

From: Neff, Brandon D <bneff@blm.gov>
Sent: Tuesday, August 29, 2023 11:02 AM
To: Williams, Nancy N <nwilliam@blm.gov>; Davis, Jordan R <jordandavis@blm.gov>
Subject: Re: Bear River wildlife priority fences for modification/replacement

Thank You Nancy, this will be a big help. We will be coordinating with you as the project gets further along.

Brandon Neff | Rangeland Management Specialist
West Desert District BLM | Salt Lake Field Office
491 North John Glenn Rd. | Salt Lake City, UT 84116
W: (385) 232-6289 | Email: bneff@blm.gov

From: Williams, Nancy N <nwilliam@blm.gov>
Sent: Tuesday, August 29, 2023 10:46 AM
To: Davis, Jordan R <jordandavis@blm.gov>; Neff, Brandon D <bneff@blm.gov>
Subject: Bear River wildlife priority fences for modification/replacement

I've attached the shapefile for the fences that I prioritized for replacement/modification in the Bear River area. This shapefile probably does include some fences in the Woodruff Pastures area that you have already upgraded and can therefore be removed from the project.

The total mileage of fence that I have prioritized was 102 miles (based on \$10,000 per mile). I can go back and review and narrow this down more if needed.

Nancy

Nancy N Williams
Wildlife Biologist
Salt Lake Field Office
Bureau of Land Management
491 North John Glenn Road
Salt Lake City, UT 84116
(801) 320-8357

From: [Rose, Marcus F](#)
To: joeellis014@gmail.com
Subject: FW: Grouse Creek Allotment information
Date: Thursday, September 28, 2023 7:49:00 AM
Attachments: [Permittees, dates and brands on Grouse Creek allotment.docx](#)
[Grouse Creek allotment.pdf](#)

From: Rose, Marcus F
Sent: Thursday, August 24, 2023 1:04 PM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: Grouse Creek Allotment information

Hi Erin,

Here is some information about the Grouse Creek allotment for next week. There should not be cows along Straight Fork creek on the south end of the allotment. Also if you can get a good count of how many cows there are with each brand that would be very helpful. Let me know if you have any questions.

Thanks for being willing to run up there and check things out!

Marcus Rose
Rangeland Management Specialist
Bureau of Land Management
Salt Lake Field Office
Office: 801-320-8352
Cell: 385-600-1049

From: [Jencso, Emily D](#)
To: [Burgess-Conforti, Jason R](#); [Rose, Marcus F](#); [Mellon, Cassie D](#)
Subject: Fw: New Report : Setting Benchmarks with Terrestrial AIM Data
Date: Thursday, September 7, 2023 8:12:22 PM
Attachments: [Report_ValsBenchmarks.pdf](#)

Worth a read.

Emily Jencso
SLFO Wildlife Biologist CWB®
Cell: (801) 599-0954
Office: 801-320-8300

Salt Lake Field Office BLM
491 N John Glenn Road
Salt Lake City, UT 84116

From: Nelson, Jennifer E <jenelson@blm.gov>
Sent: Thursday, September 7, 2023 3:27 PM
To: NAIMPractitioners <blm-NAIMPractitioners@blm.gov>
Subject: New Report : Setting Benchmarks with Terrestrial AIM Data

Hello AIM Practitioners,

A report about setting benchmarks with terrestrial AIM data to evaluate a land health standard was just released. It is attached to this email and you may access it and an R workflow internally here: [Standard 1 Benchmarks](#)

The report accompanies a presentation from the 2023 AIM Practitioners' Webinar Series by Jennifer Nelson and Monica Ketcham. In June, they described how their team developed benchmarks for evaluating OR/WA land health standard 1 in the Cow Lakes Allotments and Assessment Area. To set benchmarks, they used the approach outlined in Appendix 2 of Technical Note 453 with data from terrestrial AIM plots in Level IV Ecoregions. You can find the presentation in the AIM Practitioners Webinars Stream Channel: <https://web.microsoftstream.com/channel/dd68a714-62c5-4b1b-b52a-2efd117b0001>

Enjoy!
Jennifer

Jennifer E. Nelson, MSc (*she, her, hers*)
Terrestrial AIM Data Specialist, The Great Basin Institute
BLM Headquarters
1387 S. Vinnell Way
Boise, ID 83709
Office: (208) 373-3835
jenelson@blm.gov

[The Great Basin Institute](#) advances environmental research, education, and service throughout the west. The institute promotes applied research and ecological literacy through community engagement and agency partnerships to support national parks, forests, open spaces and public lands.

AIM Links:
blm.gov/aim
[External user access to Terrestrial and Lotic AIM Data](#)
[Internal user access to Terrestrial and Lotic AIM Data](#)
[Terrestrial Geospatial Gateway](#)
[Lotic Geospatial Gateway](#)

From: [Rose, Marcus F](#)
To: [Howell, Tami L](#); [Gochis, Matthew D](#); [Johnson, Tamsen M](#)
Subject: FW: Water Pumping Site on BLM, Patterson Pass, Pilot Range
Date: Monday, November 27, 2023 1:40:00 PM
Attachments: [image001.png](#)

Hello,

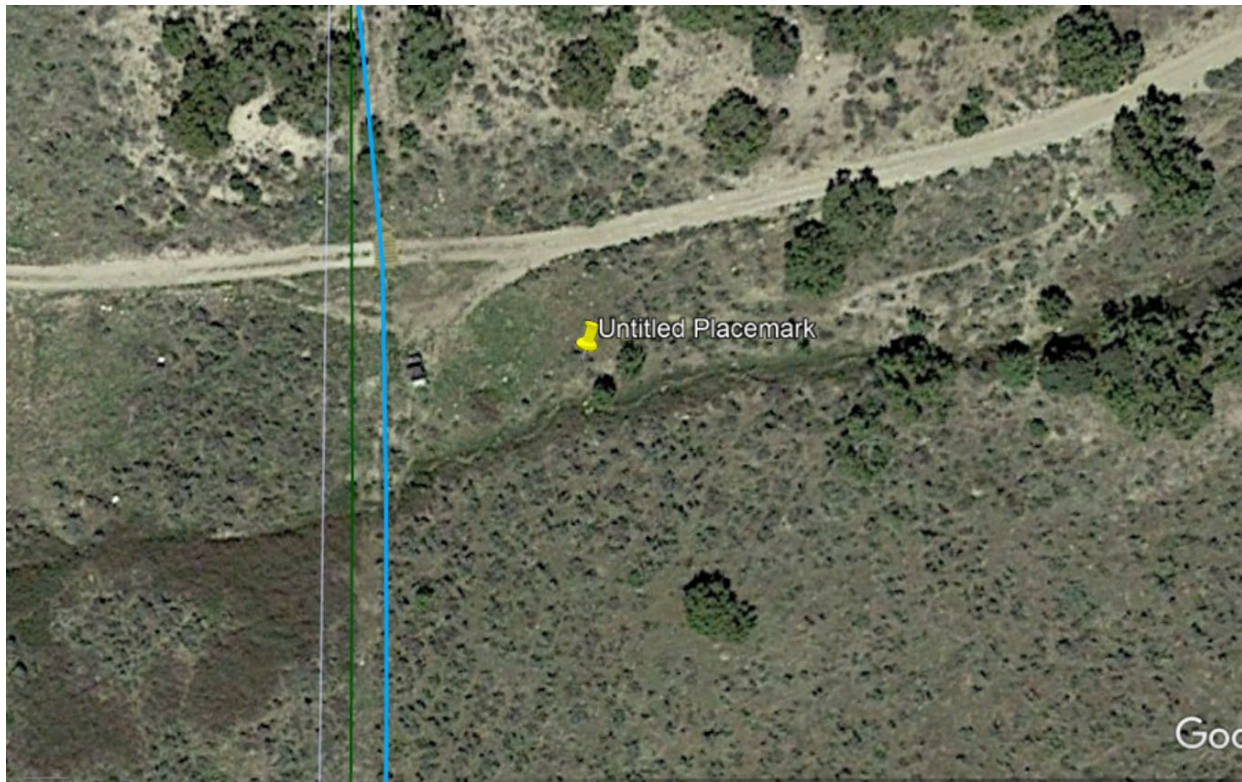
Jeff Moore from the Wells Field Office found what looks like some unauthorized pumping equipment on BLM land at Patterson pass just over the state line on the Utah side. See his message below for more details.

Thanks!

Marcus Rose
Rangeland Management Specialist
Bureau of Land Management
Salt Lake Field Office
Office: 801-320-8352
Cell: 385-600-1049

From: Moore, Jeffrey D <j2moore@blm.gov>
Sent: Monday, November 27, 2023 1:07 PM
To: Rose, Marcus F <mrose@blm.gov>
Cc: Culver, Stevon L <sculver@blm.gov>; Draves, Joshua L <jdraves@blm.gov>
Subject: RE: Water Pumping Site on BLM, Patterson Pass, Pilot Range

Thanks Marcus! Coordinates lifted from Google Earth are going to be in the close neighborhood of 41.191145° x -114.041066°. Thanks, Jeff



From: Rose, Marcus F <mrose@blm.gov>
Sent: Monday, November 27, 2023 11:14 AM
To: Moore, Jeffrey D <j2moore@blm.gov>
Cc: Culver, Stevon L <sculver@blm.gov>; Draves, Joshua L <jdraves@blm.gov>
Subject: Re: Water Pumping Site on BLM, Patterson Pass, Pilot Range

Thanks Jeff! It is good to hear from you. I was gone last week, so am slow responding. I will pass this along to our law enforcement as well and we will keep an eye out. Do you happen to have coordinates of where it is?
I hope all is going well for you over there.

Sent from my iPhone

On Nov 17, 2023, at 9:41 AM, Moore, Jeffrey D <j2moore@blm.gov> wrote:

Greetings Marcus! I hope all is well with you.

Late yesterday I went up to Patterson Pass in the north end of the Pilot Range, as I approached the state line I passed an older Ford F250ish, green and white in my memory, driving down the hill with a large wire water tank in the bed. When I got to the state line and the cattleguard I noticed a lot of piping and a white bucket on the ground on the Utah side of the cattleguard. I continued on up to the top of the pass, on the way back down I noted the white bucket was gone but the piping was still coiled up on the ground, along with what looks like a car battery and a pump and maybe a few other items that are back in the brush and just visible in the photo. Appears that one or more of the off the grid residents in Pilot Valley is pumping water out of the little stream right on the Utah side of the line, which is public/BLM according to a shapefile I found.

Thought I'd pass this along, I'm also including the Elko law enforcement staff in this message. Whoever is doing the pumping had the gate next to the cattleguard open and by the tire tracks are backing through it to fill their tanks. I shut the gate before I left and then let both of the livestock permittees on the Nevada side know they may need to watch that area until such time as we get enough snow to discourage cattle from wandering that far up the hill.

Again, hope all is well, and let me know if you have any questions or need anything else. Thanks, Jeff

<image0.jpeg>

From: [Davis, Jordan R](#)
To: [Seiders, Erin S](#)
Subject: Fw: Young Brothers Pipeline Cadastral
Date: Thursday, November 30, 2023 3:23:38 PM
Attachments: [Young Brothers pipeline maps.pdf](#)
[Outlook-weufkop5.png](#)

FYI



Jordan Davis
Acting Field Manager
Price Field Office | Bureau of Land Management -Utah
p: (435) 636-3659
w: www.blm.gov

From: Goodrich, Philip (Chip) <pgoodrich@blm.gov>
Sent: Thursday, November 30, 2023 11:25 AM
To: Davis, Jordan R <jordandavis@blm.gov>
Cc: Verhoef, Nicholas S <nverhoef@blm.gov>; Batty, Ronald (Keith) <rbatty@blm.gov>
Subject: Young Brothers Pipeline Cadastral

Jordan,

Cadastral work on the Young Brothers pipeline was completed on Nov. 14. All of the section corners that were at risk now have a T-post alongside and are flagged with pink flagging. We were unable to locate any substandard section corners. However, the risk of corner disturbance has been minimized as much as possible.

I've attached maps showing the work that was completed.

P. Chip Goodrich

BLM - Cadastral Surveyor
Utah State Office - Salt Lake City
440 West 200 South, Suite #500
C: 801-209-4160
O: 801-539-4155
pgoodrich@blm.gov

From: [Powers, Colin M](#)
To: [Seiders, Erin S](#); [Johnson, Drusus \(Dru\)](#)
Subject: Fwd: Young Bro Pipeline Data
Date: Wednesday, March 29, 2023 2:39:48 PM
Attachments: [YoungBro Pipeline Data.zip](#)

Erin, here is the latest data we worked on.

Colin Powers
GIS Specialist
BLM- West Desert District

From: Powers, Colin M
Sent: Tuesday, January 31, 2023 2:11:59 PM
To: Seiders, Erin S <eseiders@blm.gov>
Subject: Young Bro Pipeline Data

Erin,

I think the file they shared back is an older version. I am attaching the most recent data we worked on in this zip. It contains the pipeline we edited, the well/trough/tank locations and the potential tank locations.

I believe this should be everything, but if there is anything missing I can find or recreate it.

Colin Powers
GIS Specialist
BLM- West Desert District
491 John Glenn Road
Salt Lake City, UT 84116

From: [Jessop, Brad D](#)
To: [Rose, Marcus E](#)
Subject: Fuels Monitoring Strategy
Date: Monday, September 11, 2023 7:40:18 AM
Attachments: [20150408 Utah Fuels Monitoring Strategy-Draft Submitted Version April 2015.docx](#)

Marcus,

Here's the monitoring strategy. Let me know if you need anything else.

Brad

From: [Rose, Marcus F](#)
To: [Rose, Marcus F](#)
Subject: I spoke with Drake Walker about the cows in the Grouse Creek allotment that I
Date: Monday, July 10, 2023 11:57:42 AM

I spoke with Drake Walker about the cows in the Grouse Creek allotment that I saw today. There were four mother cows and four calves with them. He said he's out of town but will get back and check them as quickly as he is he can he said that there was a hole in the fence by the trough, and it looked big enough for a calf, but not big enough for a cow to get through when he moved the other group out of the grouse Creek allotment. I also spoke with Shorty Williams with River View Ranch and told him that there were some cows in the Grouse Creek allotment that were his with Drake's cows. He told me that they would go and check. I sent him a map with where I saw the cows. he also said that the plan is for the Permittee's to move their cows out of buckskin around the first part of next week. I asked him if the permit gives that kind of flexibility and he didn't know. He just said that that as always how it has been done with the Permittee's on the allotment. he also said that they plan to move cows out of red Butte next week down to owl Springs. I asked him if that permit had the flexibility to move cows after the date and he wasn't sure. He just said that as always how it has been done. he also said that they plan to put two new troughs in owl springs to replace old troughs one along the Clay Road and another at the end of the pipeline. He said that there were tire troughs left at that field station and from what he understands, they can use them as long as they tell us where they are going to go .

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