

From: mnhayes@blm.gov

Location: [REDACTED] passcode [REDACTED]

Importance: Normal

Subject: Invitation: Coastal Plain Section 106 Draft Programmatic Agreement @ Tue Jan 8, 2019 9am - 10:30am (AKST) (jake.anders@srbak.com)

Start Date/Time: 2019-01-08T13:00:00-05:00

End Date/Time: 2019-01-08T14:30:00-05:00

[invite.ics](#)

[more details »](#)

Coastal Plain Section 106 Draft Programmatic Agreement

When Tue Jan 8, 2019 9am 10:30am Alaska Time Anchorage

Where [REDACTED], passcode [REDACTED]

Video call https://hangouts.google.com/hangouts/_/doi.gov/mnhayes

Calendar jake.anders@srbak.com

Who

- mnhayes@blm.gov - organizer
- tiffany_tritt_99722@hotmail.com
- nvkaktovik@gmail.com
- tommy.nageak@north slope.org
- office@cityofkaktovik.org
- timm@asrc.com
- faith.martineau@alaska.gov
- kathy.ahgeak@north slope.org
- stephen.braund@srbak.com
- patrick hanson
- r2king@blm.gov
- tomlohman2@aol.com
- chad.ricklefs@empci.com
- wendy_loya@fws.gov
- kevin.fisher@north slope.org
- jkeeney@blm.gov
- jake.anders@srbak.com
- judy.bittner@alaska.gov
- sarah.meitl@alaska.gov
- fenton.rexford@north slope.org
- njones@blm.gov
- tjanowski@asrc.com
- slamarr@blm.gov
- edward_decleva@fws.gov
- eugene_marino@fws.gov
- Tonya Garnett
- Fannie Soplu
- paul.lawrence@srbak.com
- tmcculloch@achp.gov
- norajane.burns@north slope.org

Agenda:
Draft PA
Comments
Next Steps

Going (jake.anders@srbak.com)? **Yes** **Maybe** **No** [more options »](#)

Invitation from [Google Calendar](#)

You are receiving this courtesy email at the account jake.anders@srbak.com because you are an attendee of this event.

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From: mnhayes@blm.gov

Location: b5-CIP, passcode b5-CIP

Importance: Normal

Subject: Updated invitation: Consulting Parties Coastal Plain Section 106 Draft Progra... @ Tue Jan 8, 2019 9am - 10:30am (AKST) (norajane.burns@north-slope.org)

Start Date/Time: 2019-01-08T13:00:00-05:00

End Date/Time: 2019-01-08T14:30:00-05:00

[invite.ics](#)

This event has been changed.

[more details »](#)

Changed: Consulting Parties Coastal Plain Section 106 Draft Programmatic Agreement

When Tue Jan 8, 2019 9am 10:30am Alaska Time Anchorage

Where b5-CIP passcode b5-CIP

Video call https://hangouts.google.com/hangouts/_/doi.gov/mnhayes

Calendar norajane.burns@north slope.org

Who

- mnhayes@blm.gov - organizer
- tiffany tritt 99722@hotmail.com
- nvkaktovik@gmail.com
- tommy.nageak@north slope.org
- office@cityofkaktovik.org
- timm@asrc.com
- faith.martineau@alaska.gov
- kathy.ahgeak@north slope.org
- stephen.braund@srbak.com
- patrick hanson
- r2king@blm.gov
- tomlohman2@aol.com
- chad.ricklefs@empai.com
- wendy loya@fws.gov
- kevin.fisher@north slope.org
- jkeeney@blm.gov
- jake.anders@srbak.com
- judy.bittner@alaska.gov
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- slamarr@blm.gov
- edward decleva@fws.gov
- eugene marino@fws.gov
- Tonya Garnett
- Fannie Sopl
- paul.lawrence@srbak.com
- tmcculloch@achp.gov

• norajane.burns@north slope.org

Agenda:

Draft PA

Comments

Next Steps

Going (norajane.burns@north slope.org)? **Yes** **Maybe** **No** [more options »](#)

Invitation from [Google Calendar](#)

You are receiving this courtesy email at the account norajane.burns@north-slope.org because you are an attendee of this event.

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Forwarding this invitation could allow any recipient to modify your RSVP response. [Learn More](#).

From: mnhayes@blm.gov

Location: b5-CIP passcode b5-CIP

Importance: Normal

Subject: Canceled event with note: Consulting Parties Coastal Plain Section 106 Draft Progra... @ Tue Jan 8, 2019 9am - 10:30am (AKST) (paul.lawrence@srbak.com)

Start Date/Time: 2019-01-08T13:00:00-05:00

End Date/Time: 2019-01-08T14:30:00-05:00

[invite.ics](#)

This event has been canceled with this note:

"This meeting will be rescheduled."

Consulting Parties Coastal Plain Section 106 Draft Programmatic Agreement

When Tue Jan 8, 2019 9am - 10:30am Alaska Time Anchorage

Where b5-CIP passcode b5-CIP

Video call https://hangouts.google.com/hangouts/_/doi.gov/mnhayes

Calendar paul.lawrence@srbak.com

Who

- mnhayes@blm.gov - organizer
- tiffany tritt 99722@hotmail.com
- nvkaktovik@gmail.com
- tommy.nageak@north slope.org
- office@cityofkaktovik.org
- timm@asrc.com
- faith.martineau@alaska.gov
- kathy.ahgeak@north slope.org
- stephen.braund@srbak.com
- patrick hanson
- r2king@blm.gov
- tomlohman2@aol.com
- chad.ricklefs@empci.com
- wendy loya@fws.gov
- kevin.fisher@north slope.org
- jkeeney@blm.gov
- jake.anders@srbak.com
- judy.bittner@alaska.gov
- sarah.meitl@alaska.gov
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- tjanowski@asrc.com
- slamarr@blm.gov
- edward decleva@fws.gov
- eugene marino@fws.gov
- Tonya Garnett
- Fannie Soplu
- paul.lawrence@srbak.com
- tmcculloch@achp.gov
- norajane.burns@north slope.org

Agenda:
Draft PA
Comments
Next Steps

Invitation from [Google Calendar](#)

You are receiving this courtesy email at the account paul.lawrence@srbak.com because you are an attendee of this event.

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To: faith.martineau@alaska.gov[faith.martineau@alaska.gov]
From: Wendy Loya
Sent: 2019-02-13T19:58:33-05:00
Importance: Normal
Subject: ASTAR FY20 Budget Request and plan
Received: 2019-02-13T19:58:41-05:00
[ASTAR FY20Budget Request 021319.pdf](#)

Hi Faith,

The attached document was shared with me after it was released today, and I wanted to follow up with you or your staff to clarify the geographies referred to in the document. As you know, the 1002 area of the Arctic National Wildlife Refuge is now referred to as the Coastal Plain by the Department of the Interior. This term has historically been used as physiographic term for the outer section of the entire Alaskan north slope, and so I wanted to check on where specifically the proposed research would be conducted per this request. In projects 1 and 3 it seems to refer to the Arctic Refuge, but the 2nd seems more broadly applicable to include NPRA and state lands. The three projects referring to the Coastal Plain are:

- Lake survey in the Coastal Plain (\$600.0) to collect information about water depths and fish presence, which will inform water needs for ice road and ice pad construction. Temporary ice infrastructure allows for seasonal transportation associated with construction operations, as well as resource development activities (exploration, development drilling, and oil production) in areas with limited or nonexistent gravel roads.
- Sand and gravel survey in the Coastal Plain (\$750.0). Because it is expensive to transport sand and gravel, identifying where construction-quality sand and gravel resources are located helps communities estimate costs of new infrastructure.
- Petroleum geology fieldwork from eastern NPR-A to Coastal Plain to provide regional and reservoir-scale geologic data for the Nanushuk, Torok and associated units (\$700.0). Industry relies on publicly available geological information when deciding where to invest in seismic, exploration, and development activities. Because Alaska is a resource-rich state, making this information available can attract investment

If the studies are proposed to be conducted in the Arctic National Wildlife Refuge, we'll look forward to working with DNR on planning and logistics. We have some limited information on lakes and fish.

Thank you!
Wendy

Dr. Wendy M. Loya
Arctic Program Coordinator
US Fish and Wildlife Service, Office of Science Applications
Anchorage, Alaska
907.786.3532 (office)
907.227.2942 (mobile)

From: mnhayes@blm.gov
Location: [REDACTED], passcode [REDACTED] BLM-AK SO Kodiak B Room, BLM-AK SO Kodiak B Room
Importance: Normal
Subject: Invitation: SAVE THE DATE: Coastal Plain Section 106 Consulting Parti... @ Wed Mar 27, 2019 10am - 12pm (AKDT) (donna.thomas@catg.org)
Start Date/Time: 2019-03-27T13:00:00-05:00
End Date/Time: 2019-03-27T15:00:00-05:00
[invite.ics](#)

tomlohman2@aol.com

[more details »](#)

SAVE THE DATE: Coastal Plain Section 106 Consulting Parties Meeting

This meeting will be to discuss the draft Programmatic Agreement for BLM's Coastal Plain Oil and Gas Leasing Program. A draft will be distributed prior to the meeting.

When Wed Mar 27, 2019 10am - 12pm Alaska Time
Where Anchorage
[REDACTED], passcode [REDACTED] BLM AK SO Kodiak B Room, BLM AK SO Kodiak B Room ([map](#))
Video call <https://hangouts.google.com/hangouts/ /doi.gov/mnhaye>
Calendar [s](#)
donna.thomas@catg.org
Who

- mnhayes@blm.gov - c
- ida.angasan@ilisagvil
- eugene_marino@fws
- judy.bittner@alaska.g
- gordon.brower@north
- r2king@blm.gov
- edward_decleva@fws
- office@cityofkaktovik.
- kathy.ahgeak@north
- Rob Rosenfeld
- njones@blm.gov
- jake.anders@srbak.co
- sarah.meitl@alaska.g
- Tonya Garnett
- patrick hanson
- ray.atos@inupiatgov.o
- fenton.rexford@north
- Rhonda Pitka
- jkeeney@blm.gov
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- tiffany tritt 99722@h
- rvarner@nvbarrow.ne
- stephen.braund@srb
- kevin.fisher@north sl
- myethumma@yahoo.
- mnewman@narf.org

From: m* eugene_marino@fws.gov
Location: b5 - CIP passcode b5 - CIP BLM-AK SO Kodiak B Room, BLM-AK SO Kodiak B Room
Importance: Normal
Subject: Invitation: SAVE THE DATE: Coastal Plain Section 106 Consulting Parti... @ Wed Mar 27, 2019 10am - 12pm (AKDT) (fenton.rexford@north-slope.org)
Start Date/Time: 2019-03-27T13:00:00-05:00
End Date/Time: 2019-03-27T15:00:00-05:00
[invite.ics](#)

[more details »](#)

SAVE THE DATE: Coastal Plain Section 106 Consulting Parties Meeting

When Wed Mar 27, 2019 10am - 12pm Alaska Time Anchorage
Where b5 - CIP , passcode b5 - BLM AK SO Kodiak B Room, BLM AK SO Kodiak B Room ([map](#))
Video call https://hangouts.google.com/hangouts/_/doi.gov/mnhayes
Calendar fenton.rexford@north slope.org
Who

- mnhayes@blm.gov - organizer
- tiffany tritt 99722@hotmail.com
- Rob Rosenfeld
- ray.atos@inupiatgov.com
- imatt@achp.gov
- gordon.brower@north slope.org
- office@cityofkaktovik.org
- faith.martineau@alaska.gov
- kathy.ahgeak@north slope.org
- Charlene Stern
- patrick hanson
- r2king@blm.gov
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- Rhonda Pitka
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- wfurlong@narf.org
- jake.anders@srbak.com
- judy.bittner@alaska.gov
- Charleen Fisher
- doreen.leavitt@nvbarrow.net
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- njones@blm.gov
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- timm@asrc.com
- stephen.braund@srbak.com
- ida.angasan@ilisagvik.edu
- kevin.fisher@north slope.org
- sarah.meitl@alaska.gov
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- tmcculloch@achp.gov
- Tonya Garnett
- norajane.burns@north slope.org
- wendy loya@fws.go

This meeting will be to discuss the draft Programmatic Agreement for BLM's Coastal Plain Oil and Gas Leasing Program. A draft will be distributed prior to the meeting.

Going (fenton.rexford@north slope.org)? **Yes Maybe No more options »**

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From: m* slamarr@blm.gov
Location: b5 - CIP , passcode b5 - CIP BLM-AK SO Kodiak B Room, BLM-AK SO Kodiak B Room
Importance: Normal
Subject: Updated invitation: SAVE THE DATE: Coastal Plain Section 106 Consulting Parti... @ Wed Mar 27, 2019 10am - 12pm (AKDT) (imatt@achp.gov)
Start Date/Time: 2019-03-27T14:00:00-04:00
End Date/Time: 2019-03-27T16:00:00-04:00
[invite.ics](#)

This event has been changed.
[more details »](#)

SAVE THE DATE: Coastal Plain Section 106 Consulting Parties Meeting

When Wed Mar 27, 2019 10am - 12pm Alaska Time Anchorage
Where **Changed:** b5 - CIP , passcode b5 - BLM AK SO Kodiak B Room, BLM AK SO Kodiak B Room
([map](#))
Video call <https://hangouts.google.com/hangouts/ /doi.gov/mnhayes>
Calendar imatt@achp.gov
Who

- mnhayes@blm.gov - organizer
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- Rob Rosenfeld
- ray.atos@inupiatgov.com
- imatt@achp.gov
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- judy.bittner@alaska.gov
- Charleen Fisher
- doreen.leavitt@nvbarrow.net
- fenton.rexford@north slope.org
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- mnewman@narf.org
- apitka@beavercouncil.org

- myethumma@yahoo.com
- eugene_marino@fws.gov
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- nvkaktovik@gmail.com
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- timm@asrc.com
- stephen.braund@srbak.com
- ida.angasan@ilisagvik.edu
- kevin.fisher@north_slope.org
- sarah.meitl@alaska.gov
- donna.thomas@catg.org
- tjanowski@asrc.com
- edward_decleva@fws.gov
- paul.lawrence@srbak.com
- tmcculloch@achp.gov
- Tonya Garnett
- norajane.burns@north_slope.org
- wendy_loya@fws.gov

This meeting will be to discuss the draft Programmatic Agreement for BLM's Coastal Plain Oil and Gas Leasing Program. A draft will be distributed prior to the meeting.

Going (imatt@achp.gov)? [Yes](#) [Maybe](#) [No](#) [more options »](#)

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To: Ryan Wilson[ryan_r_wilson@fws.gov]; Todd Atwood[tatwood@usgs.gov]
Cc: John Pearce[jpearce@usgs.gov]; Grant Hilderbrand[ghilderbrand@usgs.gov]; Drew Crane[drew_crane@fws.gov]
From: Wendy Loya
Sent: 2018-07-11T01:33:39-04:00
Importance: Normal
Subject: Request for full QRP/SSP Proposal: Den Disturbance
Received: 2018-07-11T01:33:41-04:00

Dear Ryan and Todd,

Consult w/ USGS



Consult w/ USGS

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Joshua Rose[joshua_rose@fws.gov]; Joshua Koch[jkoch@usgs.gov]
Cc: John Pearce[jpearce@usgs.gov]; Jeff Conaway[jconaway@usgs.gov]; John Trawicki[john_trawicki@fws.gov]
From: Wendy Loya
Sent: 2018-07-11T01:45:23-04:00
Importance: Normal
Subject: RE: Request for full QRP/SSP Proposal: Groundwater and aufeis
Received: 2018-07-11T01:45:26-04:00

In my earlier email, I meant to state your proposal on Groundwater/aufeis, not polar bears. Apologies. The rest is accurate.

From: Wendy Loya <wendy_loya@fws.gov>
Sent: Tuesday, July 10, 2018 9:42 PM
To: Joshua Rose <joshua_rose@fws.gov>; Joshua Koch <jkoch@usgs.gov>
Cc: John Pearce <jpearce@usgs.gov>; Jeff Conaway <jconaway@usgs.gov>; John Trawicki <john_trawicki@fws.gov>
Subject: Request for full QRP/SSP Proposal: Groundwater and aufeis

Dear Josh and Joshua,

Consult w/ USGS



Consult w/ USGS



Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Angela Matz[angela_matz@fws.gov]; David Alvarez[dalvarez@usgs.gov]
Cc: Drew Crane[drew_crane@fws.gov]
From: Wendy Loya
Sent: 2018-07-11T02:07:10-04:00
Importance: Normal
Subject: Request for full proposal: Contaminants baseline
Received: 2018-07-11T02:07:12-04:00

Dear Angela and David,

Consult w/ USGS



Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Steve Berendzen[steve_berendzen@fws.gov]; Wendy Loya[wendy_loya@fws.gov]
From: Reed, Jennifer
Sent: 2018-07-11T13:53:45-04:00
Importance: Normal
Subject: Fwd: Recreation Visitation for Arctic Refuge
Received: 2018-07-11T13:53:49-04:00

I can provide Randy client use day numbers for the coastal plain immediately--but want to bring to your attention a question I have b5 - DP [REDACTED]

[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]. Please advise.

In the meantime, I'll respond to Randy, and courtesy copy Ketti and Nathan, since this was the original recipient group from Randy's email request made on June 28.

Thank you for all you're doing to help subject area specialists through this process!

Jen

Jennifer J. Reed

Arctic National Wildlife Refuge Public Use Manager

101 12th Ave, Rm 236

Fairbanks, AK 99701

Telephone: (907) 455 1835

Fax: (907) 456 0428

Interagency Visitor Use Management Council USFWS Representative

Interagency Wild & Scenic River Coordinating Council USFWS Representative

Make Your Splash!

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

From: Goodwin, Randy <rgoodwin@blm.gov>

Date: Wed, Jul 11, 2018 at 9:31 AM

Subject: Re: Recreation Visitation for Arctic Refuge

To: "Reed, Jennifer" <jennifer_reed@fws.gov>

Cc: Nathan Beauchamp <nathan_beauchamp@fws.gov>, "Spomer, Katherine" <katherine_spomer@fws.gov>

Concerns ongoing consult w/ BLM

On Thu, Jul 5, 2018 at 1:56 PM, Reed, Jennifer <jennifer_reed@fws.gov> wrote:

Part of ongoing consult w/ BLM



Jennifer J. Reed

Arctic National Wildlife Refuge Public Use Manager

101 12th Ave, Rm 236

Fairbanks, AK 99701

Telephone: (907) 455 1835

Fax: (907) 456 0428

Interagency Visitor Use Management Council USFWS Representative

Interagency Wild & Scenic River Coordinating Council USFWS Representative

Make Your Splash!

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On Thu, Jul 5, 2018 at 10:56 AM, Beauchamp, Nathan <nathan_beauchamp@fws.gov> wrote:

Part of ongoing consult w/ BLM



5275 Leesburg Pike, MS-NWRS
Falls Church, VA 22041

703-358-2226 (Office)
571-384-0960 (Cell)

On Thu, Jun 28, 2018 at 7:16 PM, Goodwin, Randy <rgoodwin@blm.gov> wrote:

Part of ongoing consult w/ BLM



--
Randy Goodwin
Bureau of Land Management
Travel Management and Transportation Planning
Acting State Lead for Recreation and Nat'l Landscape Conservation System
Alaska State Office Renewable Resources Branch
(907) 271 3386

To: Robert Brumbaugh[rbrumbau@blm.gov]
From: Wendy Loya
Sent: 2018-07-12T13:42:41-04:00
Importance: Normal
Subject: spring draft stip
Received: 2018-07-12T13:42:51-04:00

K-1c Lease Stipulation/Best Management Practice – Springs/Aufeis

Note: On lands unavailable for leasing in the respective alternatives, K-1b would be a best management practice. No leasing should be permitted within 3 miles of Sadlerochit Spring, the Fish Hole 1 spring on the Hulahula River and infrastructure setbacks apply to all identified springs.

Objective: Protect the water quality, quantity and diversity of fish and wildlife habitats and populations associated with springs and aufeis across the coastal plain. River systems with springs provide year round habitat and host the most diverse and largest populations of fish, aquatic invertebrates, and wildlife and are associated with major subsistence activity and cultural resources. Aufeis is a unique feature associated with perennial springs and helps sustain river flow during summer and provides insect relief for caribou. Because the subsurface flow paths to perennial springs are unknown and could potentially be disturbed by drilling or fracking activity, we recommend buffer areas around the major perennial springs that support fish populations in which no leasing is permitted.

Requirement/Standard:

- a. Prior to drilling activities subsurface flow paths within watersheds containing springs must be mapped and subsequent drilling activities will conduct in a manner that does not disrupt flow of the perennial springs.
- b. No surface occupancy of new non-subsistence infrastructure will be permitted within 3 miles of Sadlerochit Spring (04N031E) nor within 1 mi of the Saddlerochit river where aufeis forms (04N031E & 05N031E). It supports an isolated, dwarf population of Dolly Varden, unique plant and invertebrate communities, and an extensive aufeis field that persists through much of the summer providing insect relief habitat for caribou.
- c. No surface occupancy of new non-subsistence infrastructure will be permitted within 4 miles of the perennial spring at Fish Hole 1 on the Hulahula River (05N032E) nor within 1 mile of the aufeis field (05N032E & 06N032E). The Fish Hole 1 spring provides overwintering habitat for Arctic grayling and a large population of anadromous Dolly Varden. Residents of Kaktovik routinely harvest Dolly Varden in Fish Hole 1 during winter. The spring produces an extensive aufeis field that persists through much of the summer.
- d. No surface occupancy of new non-subsistence infrastructure will be permitted within 2 miles of the perennial Tamayariak Spring and associated aufeis field (07N026E).
- e. No surface occupancy of new non-subsistence infrastructure will be permitted within 2 miles of Okerokavik Spring (04N036E) and associated aufeis filed in the Jago River drainage (05N035E & 05N036E)

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Nichelle (Shelly) Jones[njones@blm.gov]; Nigro, Debora[dnigro@blm.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]
From: Conn, Sarah
Sent: 2018-07-12T14:30:14-04:00
Importance: Normal
Subject: Fwd: Signed 1002 Memo
Received: 2018-07-12T14:30:25-04:00
[Signed Memo.pdf](#)

Hi Shelly and Deb,

Please find attached a memo from the FWS Regional Director to the BLM State Director describing our proposed section 7 consultation process for the 1002 Area Seismic proposal.

Please let me know if you have any questions or concerns.

Thanks,

Sarah

To: Wendy Loya[wendy_loya@fws.gov]
From: Leonard, Paul
Sent: 2018-07-12T14:51:52-04:00
Importance: Normal
Subject: Fwd: Reports?
Received: 2018-07-12T14:52:35-04:00

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

From: **Rose, Joshua** <joshua_rose@fws.gov>
Date: Thu, Jul 12, 2018 at 10:23 AM
Subject: Fwd: Reports?
To: "Leonard, Paul" <paul_leonard@fws.gov>

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

From: **Wixon, Donna** <dwixon@blm.gov>
Date: Thu, Jul 12, 2018 at 10:18 AM
Subject: Reports?
To: Joshua Rose <joshua_rose@fws.gov>

Good Morning Joshua,

At the presentation that SAE gave to some BLM and USFWS staff in June there were existing reports mentioned of which SAE is requesting copies. They are:

- FWS Hydrology Survey/Data/Studies in the 1002 Area
 - Snow Survey (FWS/UAF Collaboration)
 - USGS Thermistor data in 1002 Area (3 sites)
 - Snow Survey from Camden Bay Marsh Creek and Eastern portion of 1002 Area (FWS)
- Are these documents that you can send to me?

Thanks,
Donna

Donna L Wixon
Natural Resource Specialist
BLM Arctic District Office
222 University Ave
Fairbanks, Alaska 99709
907-474-2301 Office
907-474-2386 Fax
dwixon@blm.gov

--

Joshua Rose

Acting Oil and Gas Coordinator
Arctic National Wildlife Refuge
101 12th Ave., Rm 236
Fairbanks, AK 99701
phone: (907) 456-0409

--

Paul Leonard, PhD
Science Coordinator
Arctic LCC
101 12th Ave. Room 216
Fairbanks, AK 99701
(907) 456-0445

To: Joshua Rose[joshua_rose@fws.gov]
Cc: Steve Berendzen[steve_berendzen@fws.gov]; Joanna Fox[joanna_fox@fws.gov]
From: Wendy Loya
Sent: 2018-07-12T15:17:24-04:00
Importance: Normal
Subject: BLM information requests
Received: 2018-07-12T15:17:33-04:00

Hey Josh,

Information requests from BLM need to be forwarded to me when they come to you. I am sorry, that is the protocol that Greg S implemented.

There may be a need to provide context or clarification on information shared back. That can/should be your role to draft or for other experts that weigh in, but it should come to me before sending out, and then if it contains anything that might be interpreted as an agency position, we have to do the whole RDT approval thing.

I do have a copy of the request from today, as Paul contacted me to find out what the latest snow data was.

We also want to make sure that the conversations regarding seismic are consistent with the conversations around the EIS, which is moving forward rapidly. I will remind BLM Arctic field office that this is our protocol.

Thank you,
Wendy
Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Wendy Loya[wendy_loya@fws.gov]
From: Rose, Joshua
Sent: 2018-07-12T18:08:21-04:00
Importance: Normal
Subject: Re: BLM information requests
Received: 2018-07-12T18:08:30-04:00

Wendy,

It appears some clarification is needed about the role of Refuge subject matter experts and IDT team leader/POC's.

Because Refuge staff have the local knowledge it was our understanding that FWS subject matter experts and POC's could provide scientific information and documents that are publicly available or did not take or appear to take a stance on the issue (i.e. raw data, general documents and reports).

It seems expectations have changed both in FWS and BLM since we saw the last draft guidance on communication between the agencies and it would be helpful to have a copy of the final communication plan. To avoid confusion in the future could you provide guidance on the role of the EA IDT leader/POC's and what information the EA IDT leader/POC's are allowed to share?

Here is a summary of communications I have had with BLM thus far. Last week I contacted Sarah Lamarr for further guidance on issue statement development. This week Sarah forwarded the BLM NEPA handbook and a discussion document about issue statements that she CC'ed you and several others on. To date I have also provided Donna with the publication date of the CCP EIS and ROD along with a link to the FWS planning department website where the information can be found. Below is a copy of Donna's email from today with the citations of the literature I have compiled thus far inserted below the request. Please let me know if you would like me to continue to work on this.

Good Morning Joshua,

At the presentation that SAE gave to some BLM and USFWS staff in June there were existing reports mentioned of which SAE is requesting copies. They are:

- FWS Hydrology Survey/Data/Studies in the 1002 Area
 - Lyons, S.M., and J.M. Trawicki. 1994. Water resource inventory and assessment, coastal plain, Arctic National Wildlife Refuge: 1987-1992 Final Report. Anchorage, AK: U.S. Department of the Interior, Fish and Wildlife Service, Alaska Region.
 - Trawicki, J.M., S.M. Lyons, and G.V. Elliott. 1991. Distribution and quantification of water within lakes of the 1002 area, Arctic National Wildlife Refuge, Alaska. U.S. Fish and Wildlife Service, Alaska Fisheries Technical Report Number 10, Anchorage Alaska
- Snow Survey (FWS/UAF Collaboration)
- USGS Thermistor data in 1002 Area (3 sites)

- Urban, F.E., and Clow, G.D., 2017, DOI/GTN-P Climate and active-layer data acquired in the National Petroleum Reserve–Alaska and the Arctic National Wildlife Refuge, 1998–2015: U.S. Geological Survey Data Series 1021, 546 p., <https://doi.org/10.3133/ds1021>.
- Snow Survey from Camden Bay-Marsh Creek and Eastern portion of 1002 Area (FWS)

On Thu, Jul 12, 2018 at 11:17 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hey Josh,

Information requests from BLM need to be forwarded to me when they come to you. I am sorry, that is the protocol that Greg S implemented.

There may be a need to provide context or clarification on information shared back. That can/should be your role to draft or for other experts that weigh in, but it should come to me before sending out, and then if it contains anything that might be interpreted as an agency position, we have to do the whole RDT approval thing.

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We also want to make sure that the conversations regarding seismic are consistent with the conversations around the EIS, which is moving forward rapidly. I will remind BLM Arctic field office that this is our protocol.

Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

--

Joshua Rose
Acting Oil and Gas Coordinator
Arctic National Wildlife Refuge
101 12th Ave., Rm 236
Fairbanks, AK 99701
phone: (907) 456-0409

To: Joshua Rose[joshua_rose@fws.gov]
From: Wendy Loya
Sent: 2018-07-12T18:31:22-04:00
Importance: Normal
Subject: FW: Plan of Approvals for 1002 Documents and Information
Received: 2018-07-12T18:31:33-04:00
Draft Plan of Approvals for 1002 Documents and Information 06072018 Final.docx

Josh,

Thanks again for asking for clarification. It has not changed that FWS can talk directly with BLM experts or their representatives and share information. For communications that represent a FWS policy, review, recommendations, etc. or for communications that would go to another agency or industry, please work with me ☺

Thanks, I am glad to have you to work with on this!!
Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Clark, Karen <karen_clark@fws.gov>
Sent: Thursday, June 21, 2018 2:11 PM
To: Wendy Loya <wendy_loya@fws.gov>; Mitch Ellis <Mitch_Ellis@fws.gov>; Colligan, Mary <mary_colligan@fws.gov>; Boario, Sara <sara_boario@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>
Cc: Greg Siekaniec <greg_siekaniec@fws.gov>
Subject: Plan of Approvals for 1002 Documents and Information

Hi Everyone!
This is the latest and greatest plan for approvals of 1002 documents and information. Please let me know if you have any questions.
Thanks, Karen

Karen P. Clark
Deputy Regional Director
U.S. Fish & Wildlife Service- Alaska Region
1011 E Tudor Rd, MS 374
Anchorage, AK 99503
karen_clark@fws.gov
907.786.3542 office
907.786.3493 direct
907.786.3306 fax

To: Peck, Kenneth (Alan)[kpeck@blm.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]; Catherine Collins[catherine_collins@fws.gov]; Craig Nicholls[cnicholl@blm.gov]
From: Allen, Tim
Sent: 2018-07-13T10:12:20-04:00
Importance: Normal
Subject: Re: BLM response to proposed revisions of air BMPs for alternatives workshop
Received: 2018-07-13T10:12:26-04:00

Thank you Alan.
Tim

On Thu, Jul 12, 2018 at 9:17 PM, Peck, Kenneth (Alan) <kpeck@blm.gov> wrote:

Wendy, Tim, and Catherine,
Thank you for sharing your agency response regarding suggested changes to the air related BMP A-9 and A-10 in the development of the CPL EIS. Craig Nicholls, BLM air specialist, provided the attached response that I believe is beneficial to share with you as well.

Alan

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

From: Peck, Kenneth (Alan) <kpeck@blm.gov>
Date: Thu, Jul 12, 2018 at 7:08 PM
Subject: BLM response to proposed revisions of air BMPs for alternatives workshop
To: Nicole Hayes <mnhayes@blm.gov>
Cc: Amy Lewis <amy.lewis@empesi.com>, kate.krebs@empesi.com, Chad Ricklefs <chad.ricklefs@empesi.com>, Craig Nicholls <cnicholl@blm.gov>, coastalplainAR@empesi.com

Nicole,

Please see Craig Nicholls attached feedback to the air questions / proposed changes related to BMP A 10 raised during the Alternatives Workshop.

Please let Craig and I know if any follow up is needed.

Thanks.
Alan

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

From: Nicholls, Craig <cnicholl@blm.gov>
Date: Thu, Jul 12, 2018 at 6:46 PM
Subject: BLM response to proposed revisions of air BMPs for alternatives workshop
To: "Peck, Kenneth" <kpeck@blm.gov>, coastalplainAR@empesi.com

Alan, attached is the final version of my response to the BMP discussions at the alternatives workshop.

I am available all day on Friday, 13 July if you or the meeting attendees have any questions or concerns.

--
Thanks

Craig L. Nicholls
National Air Quality Modeler
USDI-Bureau of Land Management -
National Operations Center
Division of Resource Services: OC-520
Denver Federal Center, Building 50
P.O. Box 25047
Denver, Colorado 80225-0047
303.236.9508 Phone
303.236.1974 Fax
cnicholl@blm.gov

"When a man loves cats, I am his friend and comrade, without further introduction" –
Mark Twain



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--

Alan Peck
Soil, Water and Air Program Lead
BLM State Office
222 W 7th Ave. #13
Anchorage, AK 99513
Desk (907) 271 4411
Cell (907) 202 0796

--

Alan Peck
Soil, Water and Air Program Lead
BLM State Office
222 W 7th Ave. #13
Anchorage, AK 99513
Desk (907) 271 4411
Cell (907) 202 0796

--

Tim Allen
U.S. Fish & Wildlife Service
(303) 914 3802

To: Joshua Rose[joshua_rose@fws.gov]
From: Wendy Loya
Sent: 2018-07-13T12:54:58-04:00
Importance: Normal
Subject: RE: Requested reports
Received: 2018-07-13T12:55:08-04:00

Thanks! I will get these out after our 9am meeting and cc you on the correspondence.

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Rose, Joshua <joshua_rose@fws.gov>
Sent: Friday, July 13, 2018 8:50 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Requested reports

Wendy,

Attached are the reports or links to reports requested by Donna for SAE. I did not attach the climate file because it is large and available online through the link in the citation. The word document is a summary of the hydrology reports for you and readers notes to consider including with the reports.

Let me know if you have any questions,

Thanks,
Josh

--

Joshua Rose
Acting Oil and Gas Coordinator
Arctic National Wildlife Refuge
101 12th Ave., Rm 236
Fairbanks, AK 99701
phone: (907) 456-0409

To: Reed, Jennifer[jennifer_reed@fws.gov]
Cc: Spomer, Katherine[Katherine_Spomer@fws.gov]; Nathan Beauchamp[nathan_beauchamp@fws.gov]; Steve Berendzen[steve_berendzen@fws.gov]; Wendy Loya[wendy_loya@fws.gov]; Thomas Bickauskas[tbickaus@blm.gov]
From: Goodwin, Randy
Sent: 2018-07-13T13:16:44-04:00
Importance: Normal
Subject: Re: Recreation Visitation for Arctic Refuge, 2013-17
Received: 2018-07-13T13:16:53-04:00

Consult w/ BLM



Jennifer J. Reed
Arctic National Wildlife Refuge Public Use Manager
101 12th Ave, Rm 236
Fairbanks, AK 99701
Telephone: (907) 455 1835
Fax: (907) 456 0428

0000009974

Interagency Visitor Use Management Council USFWS Representative
Interagency Wild & Scenic River Coordinating Council USFWS Representative

Make Your Splash!

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--

Randy Goodwin
Bureau of Land Management
Travel Management and Transportation Planning
Acting State Lead for Recreation and Nat'l Landscape Conservation System
Alaska State Office Renewable Resources Branch
(907) 271 3386

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Drew Crane[drew_crane@fws.gov]
From: Colligan, Mary
Sent: 2018-07-13T15:18:57-04:00
Importance: Normal
Subject: Re: DRAFT: Message to 1002 Team thanking for efforts leading to workshop
Received: 2018-07-13T15:19:04-04:00
[Dear 1002 Interdisciplinary team members.docx](#)

Looks great thanks for doing this. A few suggestions and thoughts are in the attached feel free to take em or leave em.

On Fri, Jul 13, 2018 at 10:57 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Mary and Drew, I would be grateful for a quick review of the email I would like to ask Greg and Karen to send out. I might be too wonky to provide the right message....although some of the language is from a text I got from Greg.

Thank you, Wendy

Dear 1002 Interdisciplinary team members,

Last week, the Service attended the Arctic Refuge Coastal Plain Leasing EIS workshop hosted by BLM for Cooperating Agencies. The format was similar to the internal meeting we held in Fairbanks over two days in June, and included partners from State of Alaska, the Native Villages of Kaktovik, Venetie and Arctic Village, and the North Slope Borough. Mary Colligan, Steve Berendzen and Wendy Loya represented the Service and were able to share the results of the hard work you all have done over the last month to envision a path towards implementing the oil and gas program purpose for the Arctic Refuge, while ensuring that we continue to protect the original purposes of wildlife, subsistence, waters, wilderness and recreation.

Compliments have been forthcoming from BLM and others on how well the Service did in being prepared and presenting data, ideas and dialogue around the issues. You each contributed to empowering our representatives with the information we needed to provide the scientific basis for requesting the stipulations and best management that will minimize impacts to high value wildlife habitats. The other cooperating agencies expressed gratitude that we had brought forward an alternative that may be a viable pathway forward in this difficult decision-making process.

Again, thank you for all the time and hard work over these past few months. Please know that your efforts are valued and making a positive impacts as we continue to work on the Draft Leasing EIS and Seismic EA.

--

Mary Colligan
Assistant Regional Director
Fisheries and Ecological Services
U.S. Fish and Wildlife Service, Alaska Region
1011 E. Tudor Road, MS-361
Anchorage, AK 99503
907-786-3505
cell: 907-223-5945

To: Drew Crane[drew_crane@fws.gov]
From: Wendy Loya
Sent: 2018-07-13T16:05:38-04:00
Importance: Normal
Subject: RE: DRAFT: Message to 1002 Team thanking for efforts leading to workshop
Received: 2018-07-13T16:05:46-04:00

Here, they, are, I found, them!

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Crane, Drew <drew_crane@fws.gov>
Sent: Friday, July 13, 2018 11:46 AM
To: Colligan, Mary <mary_colligan@fws.gov>
Cc: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: DRAFT: Message to 1002 Team thanking for efforts leading to workshop

Nothing to add from me, though you missed an oxford comma or two ;)

Thank you for drafting this!!

Drew

On Fri, Jul 13, 2018 at 11:18 AM, Colligan, Mary <mary_colligan@fws.gov> wrote:
Looks great - thanks for doing this. A few suggestions and thoughts are in the attached - feel free to take em or leave em.

On Fri, Jul 13, 2018 at 10:57 AM, Wendy Loya <wendy_loya@fws.gov> wrote:
Mary and Drew, I would be grateful for a quick review of the email I would like to ask Greg and Karen to send out. I might be too wonky to provide the right message....although some of the language is from a text I got from Greg.

Thank you, Wendy

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Compliments have been forthcoming from BLM and others on how well the Service did in being prepared and presenting data, ideas and dialogue around the issues. You each contributed to empowering our representatives with the information we needed to provide the scientific basis for requesting the stipulations and best management that will minimize impacts to high value wildlife habitats. The other cooperating agencies expressed gratitude that we had brought forward an alternative that may be a viable pathway forward in this difficult decision-making process.

Again, thank you for all the time and hard work over these past few months. Please know that your efforts are valued and making a positive impacts as we continue to work on the Draft Leasing EIS and Seismic EA.

--

Mary Colligan
Assistant Regional Director
Fisheries and Ecological Services
U.S. Fish and Wildlife Service, Alaska Region
1011 E. Tudor Road, MS-361
Anchorage, AK 99503
907-786-3505
cell: 907-223-5945

To: Greg Siekaniec[greg_siekaniec@fws.gov]; Karen Clark[karen_clark@fws.gov]
Cc: Lucille Frerich[lucille_frerich@fws.gov]
From: Wendy Loya
Sent: 2018-07-13T16:35:16-04:00
Importance: Normal
Subject: RD Message to 1002 Team thanking for efforts leading to workshop
Received: 2018-07-13T16:35:23-04:00
[1002 IDT Thank you Alternatives workshop 071318.docx](#)
[1002 Team 071318.docx](#)

Hi Greg and Karen,

At the 1002 RDT meeting today, I asked if the RD's office would please send a thank you note to the staff that were involved in the hard work leading up to the BLM alternatives workshop. As I have said many times over the last month, I can't think of a better team of people to work with on something so difficult. Everyone has really stepped up and given their all.

Attached is a draft for your consideration that Mary and Drew reviewed, as well as an attached list of email recipients that can be copied and pasted into Gmail.

Thank you both for your support on this effort as well!
Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Ryan Wilson[ryan_r_wilson@fws.gov]; John Pearce[jpearce@usgs.gov]; Grant Hilderbrand[ghilderbrand@usgs.gov]; Drew Crane[drew_crane@fws.gov]
From: Atwood, Todd
Sent: 2018-07-16T12:46:37-04:00
Importance: Normal
Subject: Re: Request for full QRP/SSP Proposal: Polar Bear Monitoring
Received: 2018-07-16T12:46:41-04:00

Consult w/ USGS



Consult w/ USGS

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

To: Wendy Loya[wendy_loya@fws.gov]
From: Hopkins, Todd
Sent: 2018-07-17T12:12:54-04:00
Importance: Normal
Subject: Fwd: Thank You
Received: 2018-07-17T12:12:55-04:00

Wendy,

Thanks for your leadership on this effort. It's clear that our partners and collaborators are impressed with the Service.

Todd

Todd E. Hopkins, Ph.D.

Acting Chief (6/11 8/3)

Natural Resources Division

National Wildlife Refuge System

U.S. Fish & Wildlife Service

1011 East Tudor Road

Anchorage, AK 99503

Off: (907) 786-3584

Cell: (772) 584-2594

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

From: **Greg Siekaniec** <greg_siekaniec@fws.gov>

Date: Tue, Jul 17, 2018 at 5:35 AM

Subject: Thank You

To: Wendy Loya <wendy_loya@fws.gov>, Mary Colligan <mary_colligan@fws.gov>, "Berendzen, Steve" <steve_berendzen@fws.gov>, Angela Matz <angela_matz@fws.gov>, "Johnson, Carl" <carl_johnson@fws.gov>, Catherine Collins <catherine_collins@fws.gov>,

Christopher Latty <christopher_latty@fws.gov>, Christopher Putnam <christopher_putnam@fws.gov>, Doug Damberg <doug_damberg@fws.gov>, Edward deClava <edward_deClava@fws.gov>, Hollis Twitchell <hollis_twitchell@fws.gov>, Jennifer Reed <jennifer_reed@fws.gov>, Joanna Fox <joanna_fox@fws.gov>, John Brewer <john_brewer@fws.gov>, "Martin, John" <john_w_martin@fws.gov>, John Trawicki <john_trawicki@fws.gov>, Joshua Ream <joshua_ream@fws.gov>, Joshua Rose <joshua_rose@fws.gov>, "Murphy, Karen" <karen_a_murphy@fws.gov>, Kevin Doherty <kevin_doherty@fws.gov>, Lynnda Kahn <lynnda_kahn@fws.gov>, "Ellis, Mitch" <mitch_ellis@fws.gov>, Patrick O'Dell <patrick_odell@fws.gov>, Paul Leonard <paul_leonard@fws.gov>, Peter Butteri <peter_butteri@fws.gov>, Randy Brown <randy_j_brown@fws.gov>, "Kaye, Roger" <roger_kaye@fws.gov>, Ryan Wilson <ryan_r_wilson@fws.gov>, "Boario, Sara" <sara_boario@fws.gov>, Sarah Conn <sarah_conn@fws.gov>, "Lor, Socheata" <socheata_lor@fws.gov>, Stephanie Brady <stephanie_brady@fws.gov>, Stephen Arthur <stephen_arthur@fws.gov>, Susan LaKomski <susan_lakomski@fws.gov>, Ted Swem <ted_swem@fws.gov>, Tim Allen <tim_allen@fws.gov>, "Hopkins, Todd" <todd_hopkins@fws.gov>, "Fischbach, Tracy" <tracy_fischbach@fws.gov>

Dear Arctic Refuge Interdisciplinary Team,

Last week we attended the Arctic Refuge Coastal Plain Leasing EIS workshop hosted by BLM for Cooperating Agencies. The format was similar to the internal meeting held in Fairbanks over two days in June, and included partners from State of Alaska, the Native Villages of Kaktovik, Venetie, and Arctic Village, and the North Slope Borough. As you know Mary Colligan, Steve Berendzen and Wendy Loya represented your planning thoughts and ideas during the workshop. They were able to share the results of the hard work you all have done over the last month to envision a path that acknowledges all of the refuge purposes including the recent addition of an oil and gas program. In addition, Karen and I were invited to the BLM office Thursday afternoon for a brief on the outcome of the workshop. We were very pleased and encouraged to see the original purposes of wildlife, subsistence, waters, wilderness, and recreation represented very well in the alternatives. It is too early to know how the final alternatives will reflect the range of conservation values we want ensure for future generations but your efforts have set the stage.

Compliments have been forthcoming from BLM and others on how well the Service was prepared for presenting data, ideas, and dialogue around the issues. Your toils provided leadership to the entire planning group of cooperating organizations. You all contributed to empowering our representatives with the information needed to provide the scientific and conservation basis for requesting stipulations and best management strategies that will reduce impacts to high value wildlife habitats and important uses. Other cooperating organizations expressed gratitude that we had the foresight to bring forward data and information that could help inform a reasonable range of alternatives in this difficult and accelerated decision-making process.

Again, thank you for all the time and hard work over these past few months. Please know that your efforts are valued and you are making a positive impact as we stay the course as a Cooperating Agency on the Draft Leasing EIS and Seismic EA.

Greg

To: Drew Crane[drew_crane@fws.gov]
From: Wendy Loya
Sent: 2018-07-17T14:19:23-04:00
Importance: High
Subject: FW: Attachment for discussion today
Received: 2018-07-17T14:19:34-04:00
2018_0716_Options_for_Authorizing_MMPA_Take_of_Polar_Bears.docx

Drew,

Please distribute with whoever needs to see it.

Thanks!

Nicole

Nicole Hayes

Project Coordinator

Bureau of Land Management

222 W. 7th Avenue #13

Anchorage, Alaska 99513

Desk: (907) 271-4354

To: Wendy Loya[Wendy_loya@fws.gov]
From: Vosburgh, Timothy
Sent: 2018-07-17T14:31:22-04:00
Importance: Normal
Subject: seismic EA
Received: 2018-07-17T14:31:31-04:00

Consult w/ BLM



To: Wendy Loya[wendy_loya@fws.gov]
From: Vosburgh, Timothy
Sent: 2018-07-17T16:02:06-04:00
Importance: Normal
Subject: Re: BLM contact regarding Seismic EA for mammals section
Received: 2018-07-17T16:02:14-04:00

Thanks Wendy.

On Tue, Jul 17, 2018 at 10:43 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hey Steve,

Tim, the new Dave Yokel/Wildlife Biologist, at BLM Arctic Field Office would like to get in touch with you with regards to the Seismic EA. I am not sure if you are in the field or have just been swamped with the Leasing EIS, **ES - DP**

[REDACTED]

[REDACTED]

Can you please call or email Tim to set up a time to talk?

His contact info is: 907 474-2314 or tvosburgh@blm.gov

Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

To: Stephen Arthur[stephen_arthur@fws.gov]
From: Wendy Loya
Sent: 2018-07-18T19:17:42-04:00
Importance: Normal
Subject: current caribou summer stipulation
Received: 2018-07-18T19:17:49-04:00

K-5a Lease Stipulation/Best Management Practice –Caribou Summer Habitat

Note: All lands within the Arctic Refuge Coastal Plain are recognized as habitat of the Porcupine and Central Arctic caribou herds and shall be managed to ensure unhindered movement of caribou through the area.

Objective: Minimize disturbance and hindrance of caribou, or alteration of caribou movements through portions the Coastal Plain that are essential for summer use by caribou, including calving and rearing, insect-relief, and migration.

Requirement/Standard: The following standards will be applied to permitted activities:

a.

Lessees shall orient infrastructure when laying out oil and gas field developments to avoid impeding caribou migration and to avoid corralling effects.

b. Before authorization of construction of permanent facilities (limited as they may be by restricted surface occupancy areas established in other lease stipulations), the lessee shall design and implement and report a study of caribou movement unless an acceptable study(s) specific to the Porcupine and Central Arctic Caribou herds has been completed within the last 10 years.

c. Heavy equipment (e.g., sand/gravel extraction and transport, pipeline and pad construction, but not drilling from existing production pads) shall be suspended from no later than May 20 through no earlier than July 20, unless approved by the authorized officer in consultation with the appropriate federal, State, and North Slope Borough regulatory and resource agencies. The intent of this requirement is to restrict activities that will disturb caribou during calving and insect-relief periods. If caribou arrive on the calving grounds prior to May 20 or if they remain in the area in significant numbers past July 20, major construction activities will be suspended. The lessee shall submit with the development proposal a “stop work” plan that considers this and any other mitigation related to caribou early arrival and/or late departure. The intent of this latter requirement is to provide flexibility to adapt to changing climate conditions that may occur during the life of fields in the region.

d. The following ground and air traffic restrictions shall apply in the areas and time periods indicated. Ground traffic restrictions apply to permanent oil and gas-related roads:

1. From May 20 through July 20, traffic speed shall not exceed 15 miles per hour when caribou are within 0.5 mile of the road. Additional strategies may include limiting trips, using convoys, using different vehicle types, etc., to the extent practicable. The lessee shall submit with the development proposal a vehicle use plan that considers these and any other mitigation. The vehicle use plan shall also include a vehicle-use monitoring plan. Adjustments will be required by the authorized officer if resulting disturbance is determined to be unacceptable.

2. The lessee or a contractor shall observe caribou movement from May 20 through July 20, or earlier if caribou are present prior to May 20. Based on these observations, traffic will be stopped:

a. temporarily to allow a crossing by 10 or more caribou. Sections of road will be evacuated whenever

- an attempted crossing by a large number of caribou appears to be imminent. The lessee shall submit with the development proposal a vehicle use plan that considers these and any other mitigation.
- b. by direction of the authorized officer throughout a defined area for up to four weeks to prevent displacement of calving caribou. The vehicle use plan shall also include a vehicle-use monitoring plan. Adjustments will be required by the authorized officer if resulting disturbance is determined to be unacceptable.
3. Major equipment, materials, and supplies to be used at oil and gas work sites shall be stockpiled prior to or after the period of May 20 through July 20 to minimize road traffic during that period.
4. Aircraft use shall be restricted in areas where caribou are present from May 20 through July 20 unless doing so endangers human life or violates safe flying practices. The lessee shall submit with the development proposal an aircraft use plan that considers these and other mitigation. The aircraft use plan shall also include an aircraft monitoring plan. Adjustments, including perhaps suspension of all aircraft use, will be required by the authorized officer if resulting disturbance is determined to be unacceptable. This lease stipulation is not intended to restrict flights necessary to survey wildlife to gain information necessary to meet the stated objective of the stipulations and best management practices. However, flights necessary to gain this information will be restricted to the minimum necessary to collect such data.
5. Aircraft shall maintain a minimum height of 1,000 feet above ground level (except for takeoffs and landings) from May 20 through July 20, unless doing so endangers human life or violates safe flying practices. This lease stipulation is not intended to restrict flights necessary to survey wildlife to gain information necessary to meet the stated objective of the stipulations and best management practices. However, flights necessary to gain this information will be restricted to the minimum necessary to collect such data.

Dr. Wendy M. Loya,
Arctic Program Coordinator
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907.786.3532 (office)
907.277.2942 (mobile)

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Socheata Lor[socheata_lor@fws.gov]
From: Ellis, Mitch
Sent: 2018-07-18T20:48:23-04:00
Importance: Normal
Subject: Re: FW: Action Item - Projects needing DOI approval
Received: 2018-07-18T20:48:30-04:00

Thanks Wendy. Greg didn't come back to the office today so I'll (we) need to catch him tomorrow.

Mitch Ellis
Chief of Refuges - Alaska
National Wildlife Refuge System
US Fish and Wildlife Service
(907)786-3667 wk
(907)947-4416 mob

On Wed, Jul 18, 2018 at 1:49 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Mitch,

Here is the correspondence from me to Karen Clark on the Financial Assistance Agreement needing approval for Wetlands/NHD for the 1002 area....

From: Wendy Loya <wendy_loya@fws.gov>
Sent: Thursday, June 7, 2018 10:05 AM
To: Karen Clark <karen_clark@fws.gov>
Subject: RE: Action Item - Projects needing DOI approval

Dear Karen and Greg,

We have a project entered in the Financial Assistance spreadsheet that needs approval by the Senior Advisor, DOI-PMB.

Line item 1637: Updated National Hydrography Data (DTS # 068085; new agreement; FWS181655)

Timeline: We need to submit the paperwork to our regional CGS office by June 29th in order to issue the agreement in FY18.

The agreement would be with St. Mary's University in Winona, MN, who is the primary organization doing NWI and NHD In Alaska.

0000009991

This project is part to of the Region 7 operations plan submitted to Deputy Principal Sheehan and subsequent agency directed commitment of \$1.2 million dollars to go towards science needed to inform management of the DOI priority program for Oil and Gas Leasing in the Coastal Plain (1002 area) of the Arctic National Wildlife Refuge. Obtaining updated National Hydrology and National Wetlands Inventory maps will help FWS, BLM and the Army Corps of Engineers expeditiously process applications for exploration and development.

Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

To: Wendy Loya[wendy_loya@fws.gov]
From: Crane, Drew
Sent: 2018-07-19T13:52:25-04:00
Importance: Normal
Subject: Re: Thank You
Received: 2018-07-19T13:52:35-04:00

No worries ;)

Drew Crane
Regional Endangered Species Coordinator
Alaska Region
U.S. Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, AK 99503
907-786-3323

On Thu, Jul 19, 2018 at 9:35 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Drew,

Please forgive me that I failed to include your email address when Greg asked for contact info for the 1002 team. You should have also received this email he sent on Tuesday. Please forgive me, you've been helping every step of the way to get as far as we have!

Sincerely,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Greg Siekaniec <greg_siekaniec@fws.gov>

0000009993

Sent: Tuesday, July 17, 2018 5:35 AM

Dear Arctic Refuge Interdisciplinary Team,

Last week we attended the Arctic Refuge Coastal Plain Leasing EIS workshop hosted by BLM for Cooperating Agencies. The format was similar to the internal meeting held in Fairbanks over two days in June, and included partners from State of Alaska, the Native Villages of Kaktovik, Venetie, and Arctic Village, and the North Slope Borough. As you know Mary Colligan, Steve Berendzen and Wendy Loya represented your planning thoughts and ideas during the workshop. They were able to share the results of the hard work you all have done over the last month to envision a path that acknowledges all of the refuge purposes including the recent addition of an oil and gas program. In addition, Karen and I were invited to the BLM office Thursday afternoon for a brief on the outcome of the workshop. We were very pleased and encouraged to see the original purposes of wildlife, subsistence, waters, wilderness, and recreation represented very well in the alternatives. It is too early to know how the final alternatives will reflect the range of conservation values we want ensure for future generations but your efforts have set the stage.

Compliments have been forthcoming from BLM and others on how well the Service was prepared for presenting data, ideas, and dialogue around the issues. Your toils provided leadership to the entire planning group of cooperating organizations. You all contributed to empowering our representatives with the information needed to provide the scientific and conservation basis for requesting stipulations and best management strategies that will reduce impacts to high value wildlife habitats and important uses. Other cooperating organizations expressed gratitude that we had the foresight to bring forward data and information that could help inform a reasonable range of alternatives in this difficult and accelerated decision-making process.

Again, thank you for all the time and hard work over these past few months. Please know that your efforts are valued and you are making a positive impact as we stay the course as a Cooperating Agency on the Draft Leasing EIS and Seismic EA.

Greg

0000009994

To: Wendy Loya[wendy_loya@fws.gov]
From: Perdue, Margaret
Sent: 2018-07-19T15:18:48-04:00
Importance: Normal
Subject: Watershed boundaries
Received: 2018-07-19T15:18:56-04:00
[ANWR Proposal draft.docx](#)
[Arctic Areas \(03-0269\) Map.pdf](#)

Hi Wendy --

pg 4 of the draft proposal gives the HUC 10 boundaries and the other document is the HUC 8 boundaries.

--

Meg Perdue, Water Quality Specialist
Water Resources Branch - National Wildlife Refuge System
U.S. Fish & Wildlife Service Regional Office MS 235
1011 E. Tudor Rd
Anchorage, AK 99503
phone: 907-786-3421 fax: 907-786-3976
email: margaret_perdue@fws.gov

To: Randy Brown[randy_j_brown@fws.gov]
From: Wendy Loya
Sent: 2018-07-19T15:59:49-04:00
Importance: Normal
Subject: suggested revisions
Received: 2018-07-19T15:59:57-04:00
K1C Springs revised 071918.docx

Have a look at the attached and send me your thoughts. We had backed off on the no-leasing if industry could show that it would not have an impact under point a. let me know if you think we can protect the springs adequately without a.

Thank you,
Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Wendy Loya[wendy_loya@fws.gov]
From: Brown, Randy
Sent: 2018-07-19T16:45:30-04:00
Importance: Normal
Subject: Re: suggested revisions
Received: 2018-07-19T16:45:37-04:00
K1C Springs revised 071918 RJB.docx

Hi Wendy,

Thanks for the opportunity to review this section. Attached is the document with a small number of editorial points. Point "a" does not require water flow path mapping, provides a firm goal (no flow disruption), leaves the specific study objectives for the companies to figure out, and provides the agencies oversight on eventual study plans. I think they would prefer this option over one that specifically requires them to map flow paths underground.

I don't think it would be wise to relax the no leasing regions around the perennial springs. Perhaps it could be done if they were able to demonstrate that they could tap into an oil reservoir under a spring without disturbing the flow to the spring, but I don't know how that would look. Perhaps it would be best to leave the no lease buffers and let the companies argue with evidence for the agencies to make a change. I don't know how these types of interchanges take place, but this scenario seems plausible.

Randy

On Thu, Jul 19, 2018 at 11:59 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Have a look at the attached and send me your thoughts. We had backed off on the no-leasing if industry could show that it would not have an impact under point a. let me know if you think we can protect the springs adequately without a.

Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

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--

Randy J. Brown
Fishery Biologist
U.S. Fish and Wildlife Service
101 12th Ave., Room 110
Fairbanks, Alaska 99701

Phone: (907) 456-0295

E-mail: <randy_j_brown@fws.gov>

To: Paul Leonard[paul_leonard@fws.gov]
From: Wendy Loya
Sent: 2018-07-20T14:00:49-04:00
Importance: Normal
Subject: FW:
Received: 2018-07-20T14:01:26-04:00
cameron etal2005.PDF

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Ryan Wilson <ryan_r_wilson@fws.gov>
Sent: Friday, July 20, 2018 8:27 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject:

--

Ryan Wilson, Ph.D., Certified Wildlife Biologist ®
Marine Mammals Management, Polar Bears
U.S. Fish and Wildlife Service
1011 E. Tudor Rd., MS341
Anchorage, AK 99503

Phone: (907) 786-3830
Email: ryan_r_wilson@fws.gov
Fax: (907) 786-3816

To: Christopher Putnam[christopher_putnam@fws.gov]; Ryan Wilson[ryan_r_wilson@fws.gov]
Cc: Paul Leonard[paul_leonard@fws.gov]
From: Wendy Loya
Sent: 2018-07-23T13:04:42-04:00
Importance: High
Subject: Input needed on Polar Bear Denning Critical Habitat Stipulation
Received: 2018-07-23T13:05:03-04:00
CoastalPlain alts DATAVERIFY PolarBearRiverName.pdf

Ryan and Christopher,

Can you please look at the attached map and see Marcia's question below about how we describe the rivers? It may be that we need to edit the text for Stip 5 below to describe the rivers....not sure.

Thanks!
Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Marcia Rickey <marcia.rickey@emp.si.com>
Sent: Monday, July 23, 2018 7:51 AM
To: Paul Leonard <paul_leonard@fws.gov>
Cc: Wendy Loya <wendy_loya@fws.gov>; Hayes, Miriam (Nicole) <mnhayes@blm.gov>; Kate Krebs <kate.krebs@emp.si.com>; Hamfler, Cindy <chamfler@blm.gov>
Subject: [EXTERNAL] Coastal Plain stip 5
Importance: High

Hi Paul,

I did a final comparison of the alternatives text to the GIS and noticed a question. Please see attached data verify map for the polar bear denning 5 miles inland. When using BLM NHD for rivers, it seems like the Nularvik Creek and Itkilyariak Creek are too far inland to apply? And the Salderochit River is within the area, but perhaps not officially?

List from current Alternative D text:

Lease Stipulation 5-Coastal Polar Bear Denning Critical Habitat

NSO: From the coastline to 5 miles inland, no permanent oil and gas infrastructure shall be located within 1-mile of potential polar bear denning habitat on the **Niguanak River, Katakturuk Creek, Nularvik Creek, Marsh Creek, Carter Creek, and Itkilyariak Creek** unless alternative protective measures are approved by the authorized officer in consultation with the US Fish and Wildlife Service.

Thanks,
Marcia Rickey
EMPSi Environmental Management and Planning Solutions, Inc.
3005 Center Green Drive, Suite 205
Boulder, CO 80301
tel: 303-447-7160 fax: 866-625-0707
www.EMPSi.com Twitter: EMPSInc Facebook: EMPSi

0000010000

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To: Wendy Loya[wendy_loya@fws.gov]
From: Bud Cribley
Sent: 2018-07-24T16:39:13-04:00
Importance: Normal
Subject: Re: While Wendy is away July 25-Aug 8th...
Received: 2018-07-24T16:40:14-04:00

Thanks for the update and please be safe.

Bud

On Tue, Jul 24, 2018 at 4:35 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Dear 1002 Team,

I will be out of the office July 25-Aug 8th, heading to the place we have been thinking about 24-7 since January b6).

The POCs have my satellite texting device and I welcome questions to keep things rolling along towards the Leasing EIS and the Seismic EA. I plan to work in Fairbanks on Aug 9th when we expect to see the Draft Leasing EIS for review, and will send out info as quickly as I can on how our review will proceed. If there is a delay in receiving it from BLM, we will let you know ASAP.

A reminder about who are the POCs if you have any questions in the next two weeks. They will have copies of the current FWS recommended Stipulations and BMPs we developed if you need them for your resource. Please keep your POC in the loop on any correspondence you have with BLM or their contractors so we can insure we are consistent and up to date on all info:

Steve Berendzen will be the Regional POC while I am away. If documents need review, he will work with ARDs to move them through the process 907-456-0253

Joanna Fox (co-POC for Arctic Refuge; cc her with any correspondence to Steve)

John Trawicki (Leasing EIS POC for NWRS)

Drew Crane (Leasing EIS POC for FES)

Josh Rose (Seismic EA POC)

0000010005

Sarah Conn (Seismic EA POC for FES)

Paul Leonard (All things GIS, including spatial representation of Stips)

Thank you for your hard work to help us bring the best science forward for the Arctic Refuge. I'll be thinking of you all (more than I should, I am sure) while I am looking out on the amazing Arctic ☺

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

--

Bud C Cribley

Senior Advisor for Energy with the U.S. Fish & Wildlife Service

Office # 202-208-4331

Cell # 907-717-5141

Office # MIB 3341

email: bud_cribley@fws.gov

To: Karen_A_Murphy[Karen_A_Murphy@fws.gov]
Cc: angela_matz@fws.gov[angela_matz@fws.gov]
From: Wendy Loya
Sent: 2018-07-24T17:46:51-04:00
Importance: Normal
Subject: Fwd: draft SOW for USGS IAA for 1002 baseline contaminants
Received: 2018-07-24T17:47:01-04:00
[ATT00001.htm](#)
[DRAFT SOW IAA FWS USGS 1002 BASELINE CONTAM.doc](#)

Keep Karen M in the loop! I am off on leave! :)

Dr. Wendy M. Loya, Coordinator
Office of Science Applications- Arctic Program
Anchorage, Alaska
[907.786.3532](tel:907.786.3532) (office)
[907.227.2942](tel:907.227.2942) (mobile)

Begin forwarded message:

From: Angela Matz <angela_matz@fws.gov>
Date: July 24, 2018 at 13:45:00 AKDT
To: Wendy Loya <wendy_loya@fws.gov>, Diane Granfors
<diane_granfors@fws.gov>, "Alvarez, David" <dalvarez@usgs.gov>
Subject: draft SOW for USGS IAA for 1002 baseline contaminants

Hi Wendy and Diane,

Consult w/ USGS



Thanks again!

Angela

--

****Note new contact info****

*Angela Matz, Ph.D.
Oil Spill and Contaminants Coordinator, Alaska Region
U.S. Fish and Wildlife Service
1011 E. Tudor Road, MS 361
Anchorage, AK 99503
angela_matz@fws.gov
Mobile: 907 750 8527
Landline: 907 786 3483*

To: Wendy Loya[wendy_loya@fws.gov]
From: Angela Matz
Sent: 2018-07-24T17:49:58-04:00
Importance: Normal
Subject: Re: draft SOW for USGS IAA for 1002 baseline contaminants
Received: 2018-07-24T17:50:43-04:00

YAY!!! have fun!

On Tue, Jul 24, 2018 at 1:46 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Keep Karen M in the loop! I am off on leave! :)

Dr. Wendy M. Loya, Coordinator
Office of Science Applications- Arctic Program
Anchorage, Alaska
[907.786.3532](tel:907.786.3532) (office)
[907.227.2942](tel:907.227.2942) (mobile)

Begin forwarded message:

From: Angela Matz <angela_matz@fws.gov>
Date: July 24, 2018 at 13:45:00 AKDT
To: Wendy Loya <wendy_loya@fws.gov>, Diane Granfors
<diane_granfors@fws.gov>, "Alvarez, David" <dalvarez@usgs.gov>
Subject: draft SOW for USGS IAA for 1002 baseline contaminants

Hi Wendy and Diane,

Consult w/ USGS



Consult w/ USGS

Thanks again!

Angela

--

****Note new contact info****

*Angela Matz, Ph.D.
Oil Spill and Contaminants Coordinator, Alaska Region
U.S. Fish and Wildlife Service
1011 E. Tudor Road, MS 361
Anchorage, AK 99503
angela_matz@fws.gov
Mobile: 907 750 8527
Landline: 907 786 3483*

--

****Note new contact info****

*Angela Matz, Ph.D.
Oil Spill and Contaminants Coordinator, Alaska Region
U.S. Fish and Wildlife Service
1011 E. Tudor Road, MS 361
Anchorage, AK 99503
angela_matz@fws.gov
Mobile: 907 750 8527
Landline: 907 786 3483*

0000010010

To: Wendy Loya[wendy_loya@fws.gov]
From: Rose, Joshua
Sent: 2018-07-25T16:58:48-04:00
Importance: Normal
Subject: Fwd: URGENT: EA key milestones
Received: 2018-07-25T16:58:57-04:00

FYI

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

From: Sarah LaMarr <slamarr@blm.gov>
Date: Wed, Jul 25, 2018 at 12:57 PM
Subject: Re: URGENT: EA key milestones
To: "Rose, Joshua" <joshua_rose@fws.gov>
Cc: "Nichelle (Shelly) Jones" <njones@blm.gov>, "Fox, Joanna" <joanna_fox@fws.gov>

Hi Josh, looks good, this is what we currently have for the schedule.

Sent from my iPhone

On Jul 25, 2018, at 11:01 AM, Rose, Joshua <joshua_rose@fws.gov> wrote:

Shelly and Sarah,

We have a request from our Principle Deputy Director for an update on the key milestones for the Seismic EA **due by 3pm today**. To ensure I haven't mischaracterized our completed activities or misrepresented our future milestones please review, edit, or comment on the attached document as soon as possible.

Thanks,
Josh

--

Joshua Rose
Acting Oil and Gas Coordinator
Arctic National Wildlife Refuge
101 12th Ave., Rm 236
Fairbanks, AK 99701
phone: (907) 456-0409

<Seismic_EA_Key_Milestones_07252018.docx>

--

Joshua Rose
Acting Oil and Gas Coordinator

0000010011

Arctic National Wildlife Refuge
101 12th Ave., Rm 236
Fairbanks, AK 99701
phone: (907) 456-0409

To: Kaye, Roger[roger_kaye@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]; Steve Berendzen[steve_berendzen@fws.gov]
From: Trawicki, John
Sent: 2018-08-01T19:04:44-04:00
Importance: Normal
Subject: Re:
Received: 2018-08-01T19:05:30-04:00

Hi Rodger-

b6
[Redacted]

Not exactly sure how the draft EIS review is all going to work, or if the timelines we have been given will hold. If I can, I will send you a copy of the EIS. Not sure we will be allowed or if the size will restrict the ability to email. I will also include instructions on "how to provide comments". If you can take a laptop, you maybe able to start reading prior to your return. The current schedule is to have reviews to Wendy by noon on the 13th. She needs to compile and edit comments and submit to the RDT by the morning of the 14th. She will be working on them the afternoon of the 13th, please get them to her as soon as you can on the 13th. This is not ideal, but we have not had any input into the timeline.

Do the best you can.

john t

On Tue, Jul 31, 2018 at 1:37 PM, Kaye, Roger <roger_kaye@fws.gov> wrote:

Hi John,

I guess you might be the go-to guy for my question. I understand that we now have only Aug 9-12, or morning of the 13th to provide comments on the draft EIS. b6

[Redacted]

[Redacted] So I don't have the option of changing these plans. So, could someone email me the draft so I could provide some comments on wilderness? I had planned to do this the afternoon of the 13th when I return, and if there is enough flexibility in the schedule, that's what I'd do.

Roger Kaye Arctic National Wildlife Refuge 101 12th Ave, Room 236 Fairbanks, AK 99701 Anchorage, AK 99503 #: 907 456 0405 e: Roger_Kaye@fws.gov

--	--

--

John Trawicki
Water Resources Branch Chief
National Wildlife Refuge System, Alaska
U.S. Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, AK 99503
Work: (907) 786-3474
Mobile: (907) 360-1656

"The single biggest problem with communication is the illusion that it has taken place"
George Bernard Shaw

To: John Trawicki[john_trawicki@fws.gov]; Wendy Loya[wendy_loya@fws.gov]; Steve Berendzen[steve_berendzen@fws.gov]; Fox, Joanna[joanna_fox@fws.gov]
From: Crane, Drew
Sent: 2018-08-03T15:40:01-04:00
Importance: Normal
Subject: Example comment matrix
Received: 2018-08-03T15:40:07-04:00
[ExampleComment Matrix template.docx](#)
[FWS Commnent Matrix.docx](#)

Hi All,

Attached are two example comment matrices that we used on another large EIS. This could be one way to provide comments back to BLM on the draft 1002 document. If we do use this, we would probably want to make it a google doc and add a "Line" column if line numbers are provided. The one suggestion I've received is that if we use this type of format, it works best in an 11x17 format to help reduce the number of pages.

Thanks

Drew Crane
Regional Endangered Species Coordinator
Alaska Region
U.S. Fish and Wildlife Service
1011 E. Tudor Road
Anchorage, AK 99503
907-786-3323

To: Angela Matz[Angela_Matz@fws.gov]
Cc: John Trawicki[John_Trawicki@fws.gov]; Perdue, Margaret[margaret_perdue@fws.gov]; Diane Granfors[diane_granfors@fws.gov]; David Alvarez[dalvarez@usgs.gov]; Wendy Loya[wendy_loya@fws.gov]
From: Murphy, Karen
Sent: 2018-08-05T17:22:58-04:00
Importance: Normal
Subject: IMPORTANT: Draft Contaminants IAA
Received: 2018-08-05T17:23:11-04:00
[IAA_Template \(1\).docx](#)
[1002 Contaminants baseline SOW.docx](#)
[PPR Contaminants IAA.pdf](#)

Welcome Back Angela,
I've taken the IAA with USGS as far as I can get it. You need to complete the final steps and get this turned in to Tina Racy as soon as possible. Please make sure you fill out the attached IAA form. Typically I have everything filled out with just signatures needed before I turn it in to Tina, but David wasn't given the USGS information. He did provide Lori Buitink (lbutink@usgs.gov; 573 876 1892) as a budget contact.

Please read through the Scope of Work and especially note the highlighted text to make sure it is right. We need a new budget table for the available total of \$150,000.00. I've also drafted the PPR for you to complete.

P
lease send me a copy of the final agreement and scope of work when you have it.

Best regards,
Karen

Karen A Murphy
Science Applications
907-786-3501
karen_a_murphy@fws.gov

To: Joanna Fox[joanna_fox@fws.gov]
Cc: Steve Berendzen[steve_berendzen@fws.gov]; Wendy Loya[wendy_loya@fws.gov]; Rose, Joshua[joshua_rose@fws.gov]; Wixon, Donna[dwixon@blm.gov]; Nichelle Jones[njones@blm.gov]
From: Sarah LaMarr
Sent: 2018-08-07T16:54:46-04:00
Importance: Normal
Subject: Re: Cancellation of today's 3 pm Seismic EA meeting
Received: 2018-08-07T16:55:05-04:00

Thanks Joanna!
Sarah La Marr
Bureau of Land Management
Arctic District Office
Fairbanks, Alaska
907-474-2334 (desk)
907-888-3407 (cell)
slamarr@blm.gov

On Tue, Aug 7, 2018 at 12:40 PM Joanna Fox <joanna_fox@fws.gov> wrote:

No worries, thanks for the heads up. I would have been the only person attending from our office today, as Steve, Josh and Wendy are all out - and I'm swamped too. We'll see you next week!

Joanna

Joanna L. Fox
Deputy Refuge Manager
Arctic National Wildlife Refuge
101 12th Avenue, Room 236
Fairbanks, AK 99701
(907) 456-0549

Follow us on Facebook!
www.facebook.com/arcticnationalwildliferefuge

"Do what you can, with what you have, where you are." -- Theodore Roosevelt

On Tue, Aug 7, 2018 at 12:38 PM Sarah LaMarr <slamarr@blm.gov> wrote:

So sorry for the late notice but we need to cancel today's seismic ea meeting at 3pm. [REDACTED] and Donna is swamped with deadlines. Again, sorry for the late notice and see you next week!

Thanks!

Sarah La Marr

0000010017

Bureau of Land Management
Arctic District Office
Fairbanks, Alaska
907-474-2334 (desk)
907-888-3407 (cell)
slamarr@blm.gov

To: Steve Berendzen[steve_berendzen@fws.gov]; Joanna Fox[joanna_fox@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]
From: Reed, Jennifer
Sent: 2018-08-07T19:43:10-04:00
Importance: Normal
Subject: Fwd: New York Times: Seismic EA article
Received: 2018-08-07T19:43:17-04:00

I was notified by my BLM counterpart about this NYT article about seismic and wanted to be sure you, too, were aware of it.

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

From: **Reed, Jennifer** <jennifer_reed@fws.gov>
Date: Tue, Aug 7, 2018 at 3:41 PM
Subject: Re: New York Times: Seismic EA article
To: "Goodwin, Randy" <rgoodwin@blm.gov>

Hi Randy,
No, I was not aware of this. Thank you for sharing the link.

Jen

Jennifer J. Reed

Arctic National Wildlife Refuge Public Use Manager

101 12th Ave, Rm 236

Fairbanks, AK 99701

Telephone: (907) 455 1835

Fax: (907) 456 0428

Interagency Visitor Use Management Council USFWS Representative

Interagency Wild & Scenic River Coordinating Council USFWS Representative

Make Your Splash!

NOTE: This email correspondence and any attachments to and from this sender is subject to the Freedom of Information Act (FOIA) and may be disclosed to third parties.

On Tue, Aug 7, 2018 at 3:30 PM, Goodwin, Randy <rgoodwin@blm.gov> wrote:

FYI - not sure if you've seen this about the seismic line trails outside the refuge.

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

From: **Peck, Kenneth (Alan)** <kpeck@blm.gov>
Date: Tue, Aug 7, 2018 at 3:26 PM
Subject: New York Times: Seismic EA article
To: Casey Burns <ctburns@blm.gov>, Daniel Sharp <dsharp@blm.gov>, Eric Geisler <egeisler@blm.gov>, Matthew Varner <mvarner@blm.gov>, Michael McCrum <mmccrum@blm.gov>, Randy Goodwin <rgoodwin@blm.gov>, Robert King <r2king@blm.gov>, Scott Guyer <sguyer@blm.gov>, Thomas Bickauskas <tbicka@blm.gov>

0000010019

Here's the link to the New York Times article regarding Arctic Refuge seismic activity that we talked about in the staff meeting today:

https://www.nytimes.com/2018/08/03/climate/alaska-anwr-seismic-testing-tracks.html?em_pos=medium&emc=edit_sc_20180807&nl=science-times&nl_art=7&nlid=75123499emc%3Dedit_sc_20180807&ref=img&te=1

--

Alan Peck
Soil, Water and Air Program Lead
BLM State Office
[222 W 7th Ave. #13](#)
[Anchorage, AK 99513](#)
Desk (907) 271 4411
Cell (907) 202 0796

--

Randy Goodwin
Bureau of Land Management
Travel Management and Transportation Planning
Acting State Lead for Recreation and Nat'l Landscape Conservation System
Alaska State Office Renewable Resources Branch
(907) 271 3386

To: John Trawicki[John_Trawicki@fws.gov]; Stephen Arthur[stephen_arthur@fws.gov]; Diane Granfors[diane_granfors@fws.gov]
Cc: Wendy Loya[wendy_loya@fws.gov]; Karen Clark[karen_clark@fws.gov]
From: Murphy, Karen
Sent: 2018-08-08T11:55:29-04:00
Importance: Normal
Subject: Fwd: Coastal Plain Science Projects update
Received: 2018-08-08T11:55:42-04:00
Science projects for 1002 Coastal Plain Update 872018.xlsx

I had a quick (< 1 hour) turn around yesterday to provide Karen Clark with information to respond to a D.C. request. She was asked to inform HQ on what science projects we have funded for the Arctic Coastal Plain 1002 area and where they were in the obligation process. Unfortunately, this happened at 11:00am and I was unable to reach anyone except Meg and Tina (who were a tremendous help). I interpreted the request to be linked to the \$1.2 M that NWRS and SA were directed to spend. I created the attached list and sent it to Karen. I expect we will get another of these requests so I am sharing this list with you. I suspect that there is already a master list of projects around, perhaps we can merge them into one list so we can show where the project \$\$ are in the funding process.

Wendy should be back to work today so let's wait for her to identify which list to update.

Thanks,
 Karen

Karen A Murphy
 Science Applications
 907-786-3501
karen_a_murphy@fws.gov

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

From: **Murphy, Karen** <karen_a_murphy@fws.gov>
Date: Tue, Aug 7, 2018 at 11:40 AM
Subject: Coastal Plain Science Projects update
To: Karen Clark <karen_clark@fws.gov>
Cc: Wendy Loya <wendy_loya@fws.gov>, Steve Berendzen <Steve_Berendzen@fws.gov>, Joanna Fox <Joanna_Fox@fws.gov>

Hi Karen,
 Here is the information that I have quick access to regarding the status of the science projects for the 1002/Coastal Plain projects. I haven't been able to find anyone who can tell me the status of the Vegetation Mapping project and I know there are one or two other IAAs with USGS in the works.

Project	PR Commitment Amt	status	program
Polar Bear Den Detection	\$ 144,500.00	completed	Science Applications
Polar Bear tagging	\$ 105,000.00	completed	Science Applications
Snow modeling phase 1	\$ 10,438.80	completed	Science Applications
Snow modeling travel	\$ 2,700.00	completed	Science Applications

Shorebird survey	\$	20,000.00	obligated	Science Applications
Contaminants	\$	150,000.00	final phase of paperwork	\$90K Science Apps; \$60K NWRS
NHD contract	\$	329,901.00	final phase of paperwork	NWRS
NHD conflation IAA	\$	30,000.00	final phase of paperwork	NWRS
Vegetation Mapping	\$	300,000.00	status unkown	NWRS
Others?				
subtotal	\$	1,092,539.80		

I hope this is what you need for the request.

Karen

Karen A Murphy
Science Applications
907-786-3501
karen_a_murphy@fws.gov

To: Wendy Loya[wendy_loya@fws.gov]; John Trawicki[john_trawicki@fws.gov]
From: Crane, Drew
Sent: 2018-08-08T20:15:56-04:00
Importance: Normal
Subject: Fwd: Example Letters / Documents
Received: 2018-08-08T20:16:02-04:00
[ASAP PFSEIS Final Agency Review - USFWS 5 May 2018.pdf](#)
[USFWS Comments ASAP Preliminary Final SEIS April 30, 2018.xlsx](#)
[20180130 Signed Ambler Road Comment Letter 20180130.pdf](#)

Hey there,

Attached are a couple of examples of cover letters that accompanied comment matrices. Sarah provided these as an option to consider for our response to the draft EIS.

Talk with you tomorrow!

Drew

To: Karen_A_Murphy[Karen_A_Murphy@fws.gov]
Cc: richard_lanctot@fws.gov[richard_lanctot@fws.gov]
From: Wendy Loya
Sent: 2018-08-09T03:34:20-04:00
Importance: Normal
Subject: Fwd: 1002 Area bird proposal
Received: 2018-08-09T03:34:22-04:00
[ATT00001.htm](#)
[MBM Lanctot distribution status nest survival tracking 1002Area proposal 31July2018.docx](#)

Hi Karen,
See below for the proposal I told you Rick Lanctot would be submitting for improvement of 1002 avian studies

Wendy

Dr. Wendy M. Loya, Coordinator
Office of Science Applications- Arctic Program
Anchorage, Alaska
[907.786.3532](tel:907.786.3532) (office)
[907.227.2942](tel:907.227.2942) (mobile)

Begin forwarded message:

5

From: "Lanctot, Richard" <richard_lanctot@fws.gov>
Date: July 31, 2018 at 11:46:48 AKDT
To: Wendy Loya <wendy_loya@fws.gov>
Subject: 1002 Area bird proposal

Hi Wendy,

I know you are out on the refuge now but I finally got the proposal done and wanted to send it to you. [REDACTED] so will have more limited e mail for a few weeks. I hope you can help fund the Science Apps portion of the study. As you will see, Diane Granfors has also agreed to fund a portion of the study through the I & M program, and I have requested funds from BOEM too. The other organizations are already on board.

Sorry it took awhile to get this together. I wanted to be sure all the parties were on board for these particular objectives.

Cheers, Rick

Richard Lanctot, PhD
Region 7 Shorebird Coordinator
U.S. Fish and Wildlife Service
1011 East Tudor Road, MS 201
Anchorage, Alaska 99503
Ph: 907-786-3609
Fax: 907-786-3641

0000010024

Cell: 907-440-9733

E-mail: richard_lanctot@fws.gov

"Hockey is Life - Keep your stick on the ice!" Unknown author

To: Stephanie Brady[stephanie_brady@fws.gov]
From: Wendy Loya
Sent: 2018-08-09T15:01:17-04:00
Importance: Normal
Subject: FW: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
Received: 2018-08-09T15:02:30-04:00
Coastal Plain EIS Vol I FWS.pdf

From: Wendy Loya <wendy_loya@fws.gov>
Sent: Thursday, August 9, 2018 10:01 AM
To: Paul Leonard <paul_leonard@fws.gov>; John Trawicki <john_trawicki@fws.gov>; Randy Brown <randy_j_brown@fws.gov>; Jennifer Reed <jennifer_reed@fws.gov>; Sarah Conn <sarah_conn@fws.gov>; Hollis Twitchell <hollis_twitchell@fws.gov>; Joanna Fox <joanna_fox@fws.gov>; Peter Butteri <peter_butteri@fws.gov>; Drew Crane <drew_crane@fws.gov>; Christopher Latty <christopher_latty@fws.gov>; Patrick O'Dell <patrick_odell@fws.gov>; Carl Johnson <carl_johnson@fws.gov>; Stephen Arthur <stephen_arthur@fws.gov>; Joshua Ream <joshua_ream@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Catherine Collins <catherine_collins@fws.gov>; Susan LaKomski <susan_lakomski@fws.gov>; Edward Decleva <edward_decleva@fws.gov>; Tim Allen <tim_allen@fws.gov>; Ryan Wilson <ryan_r_wilson@fws.gov>; Ted Swem <ted_swem@fws.gov>; Joshua Rose <joshua_rose@fws.gov>; 'jorgenson' <[REDACTED]>; Lynnda Kahn <lynnda_kahn@fws.gov>; Angela Matz <angela_matz@fws.gov>; Charles Hamilton <charles_hamilton@fws.gov>; John Martin <john_w_martin@fws.gov>
Cc: Greg Siekaniec <greg_siekaniec@fws.gov>; Karen Clark <karen_clark@fws.gov>; Mary Colligan <mary_colligan@fws.gov>; Mitch Ellis <mitch_ellis@fws.gov>; Eric Taylor <eric_taylor@fws.gov>; Bud Cribley (bud_cribley@fws.gov) <bud_cribley@fws.gov>
Subject: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)

Dear 1002 Team,

Attached is Volume 1 of the DEIS for your review prepared by BLM and the contractor EMPSi. This is a DRAFT for Cooperating Agencies; it will also undergo review by BLM State Office and at the Washington DC level before it is revised and released to the Public as a Draft EIS. **I am happy to say that it includes an alternative that reflects our collective effort to identify ways to manages for all 5 purposes of the Arctic Refuge, and our review now will help make it even better.** We want to maintain the respect we have achieved for our knowledge, preparation and cooperation thus far, so please keep this internal so that we remain at the table as a trusted partner. There will be time for the public and the media to review a draft when it is ready, but now is not that time. Our draft if marked FWS and traceable back to us, please do not share.

We have a little extra time: Comment forms are due COB Tuesday August 14th to Wendy. FWS will submit collated comments on Friday August 17th.

Here is an outline for our approach:

1. **You will get an email with a comment form and the instructions provided by BLM.**
2. **Review Chapter 2: Alternatives. ALL Experts review Stipulations and ROPs relevant to their area(s) of expertise; you will need to understand the Stipulations to evaluate the**

Environmental Consequences. What we called BMPs are now ROPs.

3. Please read Vol II Appendix M: Approach to the Environmental Analysis to understand what factors were considered in describing Enviro Consequences (sent in second email)

4. Below is a matchup of Vol I Chapter 3: *Affected Environment and Environmental Consequences* with who we believe has the expertise to review those chapters.

If you do not want to review a section you are listed for, please let me know ASAP.

If you feel you have expertise to contribute to another section, please do so and include in your comment form. Check in with the primary reviewer as needed.

Climate & Meteorology: Paul

Air Quality: Tim and Catherine

Acoustic Environment: TBD

Physiography: Janet Jorgenson and Josh Rose

Geology and Minerals: Josh Rose, John T, Wendy L, Pat O'Dell

Peteroleum: Pat O'Dell

Paleontological Resources: Ed, Arctic Refuge Staff

Soils: Josh Rose

Sand and Gravel: Josh Rose

Water Resources: John T

Solid and Hazardous Waste: Angela Matz, ES Staff

Vegetation and Wetlands: Janet

Wildland Fire: Peter B

Fish and Aquatic Species: Randy

Birds: Chris Latty & MBM experts

Terrestrial Mammals: Steve A

Marine Mammals: Ryan Wilson (PB); Charlie (Treaties (page 3-120))

Landownership & Use: Hollis, Susan

Cultural: Ed

Subsistence: Hollis, Josh, Carl

Sociocultural Systems: Hollis,

Environmental Justice: Hollis, Josh, Carl

Recreation: Jen

Special Designations: Jen, Roger, others

Visual Resources: Paul, others

Transportation: Jen, Steve B

Economy: Notify Wendy if you have expertise

Public Health: Notify Wendy if you have expertise

Ch 3.5-3.7: John Martin

5. Volume II: Appendices.

Maps and Figures: Review for your area of expertise

Collaboration and Coordination: Wendy

Section 810: Hollis and Josh Ream

Regulations & Permits: Sarah, Ted, Patrick, John M, Steve & Joanna

RSDS: Wendy and Paul

Paleontological: Ed

Water Resources: John T

H. Birds: Chris & MBM

H. Terrestrial Mammals: Steve A

H. Vegetation and Wetlands: Janet
I. Fish and Aquatic sp: Randy
J: Subsistence: Hollis, Josh, Carl
K,L: Josh Ream and Carl?
M: John Martin

Thank you! Don't hesitate to contact me or your POC with any questions. I am available by email or cell at anytime.

Wendy
Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Stephanie Brady[stephanie_brady@fws.gov]
From: Wendy Loya
Sent: 2018-08-09T15:01:29-04:00
Importance: Normal
Subject: FW: 1002 DEIS Review: Volume 2 (email 2 of 3)
Received: 2018-08-09T15:05:38-04:00
Coastal Plain EIS Vol II FWS.pdf

From: Wendy Loya <wendy_loya@fws.gov>
Sent: Thursday, August 9, 2018 10:01 AM
To: Paul Leonard <paul_leonard@fws.gov>; John Trawicki <john_trawicki@fws.gov>; Randy Brown <randy_j_brown@fws.gov>; Jennifer Reed <jennifer_reed@fws.gov>; Sarah Conn <sarah_conn@fws.gov>; Hollis Twitchell <hollis_twitchell@fws.gov>; Joanna Fox <joanna_fox@fws.gov>; Peter Butteri <peter_butteri@fws.gov>; Drew Crane <drew_crane@fws.gov>; Christopher Latty <christopher_latty@fws.gov>; Patrick O'Dell <patrick_odell@fws.gov>; Carl Johnson <carl_johnson@fws.gov>; Stephen Arthur <stephen_arthur@fws.gov>; Joshua Ream <joshua_ream@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Catherine Collins <catherine_collins@fws.gov>; Susan LaKomski <susan_lakomski@fws.gov>; Edward Decleva <edward_decleva@fws.gov>; Tim Allen <tim_allen@fws.gov>; Ryan Wilson <ryan_r_wilson@fws.gov>; Ted Swem <ted_swem@fws.gov>; Joshua Rose <joshua_rose@fws.gov>; 'jorgenson' <[REDACTED]>; Lynnda Kahn <lynnda_kahn@fws.gov>; Angela Matz <angela_matz@fws.gov>; Charles Hamilton <charles_hamilton@fws.gov>; John Martin <john_w_martin@fws.gov>
Cc: Mary Colligan <mary_colligan@fws.gov>; Mitch Ellis <mitch_ellis@fws.gov>; Eric Taylor <eric_taylor@fws.gov>; Bud Cribley (bud_cribley@fws.gov) <bud_cribley@fws.gov>
Subject: 1002 DEIS Review: Volume 2 (email 2 of 3)

Attached is Volume 2.

Please remember this is for INTERNAL USE ONLY. It will change after review and the public will have a chance to review that finalized draft. Please do not share further. Please 😊!

Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

0000010029

To: Stephanie Brady[stephanie_brady@fws.gov]
From: Wendy Loya
Sent: 2018-08-09T15:01:44-04:00
Importance: Normal
Subject: FW: 1002 DEIS Review: Comment form and instructions for review (email 3 of 3)
Received: 2018-08-09T15:07:23-04:00
140L6318F0003 AdminDrftEIS BLM-agency-cmmts 20180808.docx

From: Wendy Loya <wendy_loya@fws.gov>
Sent: Thursday, August 9, 2018 10:01 AM
To: Paul Leonard <paul_leonard@fws.gov>; John Trawicki <john_trawicki@fws.gov>; Randy Brown <randy_j_brown@fws.gov>; Jennifer Reed <jennifer_reed@fws.gov>; Sarah Conn <sarah_conn@fws.gov>; Hollis Twitchell <hollis_twitchell@fws.gov>; Joanna Fox <joanna_fox@fws.gov>; Peter Butteri <peter_butteri@fws.gov>; Drew Crane <drew_crane@fws.gov>; Christopher Latty <christopher_latty@fws.gov>; Patrick O'Dell <patrick_odell@fws.gov>; Carl Johnson <carl_johnson@fws.gov>; Stephen Arthur <stephen_arthur@fws.gov>; Joshua Ream <joshua_ream@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Catherine Collins <catherine_collins@fws.gov>; Susan LaKomski <susan_lakomski@fws.gov>; Edward Decleva <edward_decleva@fws.gov>; Tim Allen <tim_allen@fws.gov>; Ryan Wilson <ryan_r_wilson@fws.gov>; Ted Swem <ted_swem@fws.gov>; Joshua Rose <joshua_rose@fws.gov>; 'jorgenson' <[REDACTED]>; Lynnda Kahn <lynnda_kahn@fws.gov>; Angela Matz <angela_matz@fws.gov>; Charles Hamilton <charles_hamilton@fws.gov>; John Martin <john_w_martin@fws.gov>
Cc: Mary Colligan <mary_colligan@fws.gov>; Mitch Ellis <mitch_ellis@fws.gov>; Eric Taylor <eric_taylor@fws.gov>; Bud Cribley (bud_cribley@fws.gov) <bud_cribley@fws.gov>
Subject: 1002 DEIS Review: Comment form and instructions for review (email 3 of 3)

Form should be returned to Wendy by COB Tuesday August 14th

Attached is a comment matrix form in Microsoft Word which should be used to capture all of your comments. Instructions for commenting and completing the form are at the beginning of the comment matrix.

Please note there are areas that are still being refined and updated for consistency based on recent corrections such as: acreage calculations across all chapters; inclusion of some caribou and cultural resource data; and formatting, however, the information presented in this Draft EIS provides the foundation for subsequent versions and should not change the overall analysis. Please keep that in mind while reviewing and that constructive comments should focus on the following:

- Adequacy of addressing the purpose and need.
- Missing information, such as tribal, local and state planning documents or other readily-available data.
- Inconsistencies between stipulations and required operating procedures in the alternatives.
- Adequate illustrations of the alternatives in the maps.
- Adequacy and appropriate level of direct, indirect, and cumulative impact analysis. Provide specific changes to improve analysis and note any gaps in logic.
- Consistency of impact analysis between resource topic areas.

Please remember this is for INTERNAL USE ONLY.

As always, let me know if you have any questions.

Wendy

907.786.3532 (office)

907.277.2942 (mobile)

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

To: Wendy Loya[wendy_loya@fws.gov]
From: Leonard, Paul
Sent: 2018-08-09T17:13:46-04:00
Importance: Normal
Subject: Snow SOW
Received: 2018-08-09T17:14:22-04:00

This is the language that has had the most adjustment:
We are thinking 2 day workshop in FAI

Objective and Conceptual Approach:

The main objectives of this project are 1) to examine the existing data on snow distribution and density and methods for monitoring snow on the Arctic coastal plain of Alaska via remote sensing and in-situ methods, and 2) to identify snow monitoring needs and techniques for this region to guide management decisions related to oil and gas exploration and development. A secondary objective is to lay the groundwork for a longitudinal study that measures impacts of oil and gas exploration and development on tundra vegetation and hydrological resources.

Two methods of areal snow mapping have shown promise in the last 5 years (Nolan, Larsen, and Sturm 2015) but these methods have not been tightly-coupled with applied management (e.g., which technology and at what scale is needed to address concerns). Currently, there are several loosely coordinated efforts to measure snow directly and remotely in and around the Arctic Refuge. We propose to bring these practitioners, along with resource managers, together to 1) identify management questions associated with increased activity in the Refuge, 2) determine what snow measurements or products are needed to address those questions (e.g., BMPs), 3) evaluate approaches and techniques that could be used to supply the needed measurements, and 4) develop a coordinated community of practice that can address the needs. In combination with remote sensing techniques, managers will need to know where ground-based measurements need to be made to support remote sensing and modeling and where to site new, snow-specific meteorological stations (e.g., sampling snow depth, wind, snow water equivalent) to capture spatial variability and baseline climatology in the region. End of season snowpack surveys and watershed delineation will be important to understand lake-recharge potential and water deficiency.

Workshop Deliverables:

1. A white paper that discusses:
 - a. Retrospective / Review of what is known about impacts of tundra travel to tundra vegetation and hydrology from the NPR-A and Arctic Coastal Plain
 - b. Best management practices for winter tundra travel in the eastern Arctic Coastal Plain
 - c. Research targets for items critical to understanding changes to snow and climatology across the region in the future
 - d. Longitudinal study design to measure exploration and development impacts to tundra vegetation(foundation)

Post-workshop Goals:

1. Using guidance from white paper, develop and begin implementation of a multi-scaled sampling/long-term monitoring plan for snow and soil freeze depth across the Arctic Refuge Coastal Plain to inform decisions about winter tundra travel, in regards to impacts on tundra vegetation, and for future route planning.
2. Explore the relationship between fine-scale snow properties and coarse-scale landscape patterns of snow. Use these relationships to produce contemporary and future high-resolution snow maps of the Arctic Refuge coastal plain at monthly time steps into 2050. These maps will include uncertainty estimates and highlight areas where ground-based monitoring could improve these estimates.

--

Paul Leonard, PhD
Science Coordinator
[Arctic LCC](#)
101 12th Ave. Room 216
Fairbanks, AK 99701
(907) 456-0445

On Thu, Aug 9, 2018 at 5:26 AM, Mott, Seth <seth_mott@fws.gov> wrote:

As part of the FY2020 budget request, we have been asked to identify source and amounts of **FY18** funding that directly supports the DOI priorities identified below: I'd like Regional input on this, knowing that for many of the priorities we'd have nothing to report...but I know there is (or will be once funds are fully obligated) for priorities 1b, 2(Arctic), 7, and maybe more. Here are the sideboards: break out contributions by sub-activity (though I expect most to be in 1420), don't "stretch" to make the numbers bigger, or include more of the priorities than we could easily justify.

...and I need it by noon Monday...call me if you have questions

Priorities | U.S. Department of the Interior

1. Create a conservation stewardship legacy second only to Teddy Roosevelt.
 - a. Increase recreational access
 - b. Migration corridors
2. Sustainably develop our energy and natural resources.
3. Restore trust and be a good neighbor.
4. Ensure tribal sovereignty means something.
5. Increase revenues to support the Department and national interests.
6. Protect our people and the border.
7. Strike a regulatory balance.
8. Modernize our infrastructure.
9. Reorganize the Department for the next 100 years.
10. Achieve our goals and lead our team forward.

--

Seth Mott, Deputy Assistant Director
Science Applications
703 358 1969
seth_mott@fws.gov
U.S. FISH & WILDLIFE SERVICE
MS: SA 3N091
5275 LEESBURG PIKE
FALLS CHURCH, VA 22041-3803

To: Roger Kaye[roger_kaye@fws.gov]
Cc: John Trawicki[john_trawicki@fws.gov]; Steve Berendzen[steve_berendzen@fws.gov]; Joanna Fox[joanna_fox@fws.gov]
From: Wendy Loya
Sent: 2018-08-10T15:17:43-04:00
Importance: Normal
Subject: Wilderness sections of DEIS for review (1 of 2 emails)
Received: 2018-08-10T15:18:00-04:00
[Alternatives overview DEIS.pdf](#)
[Wilderness Stipulation DEIS.pdf](#)
[Special Designations Ch 3 DEIS.pdf](#)

Hey Roger!

Sounds like you are out of the office but available to help with reviewing the DEIS sections on Wilderness. I have extracted those from the document so you can focus your time. There is a form for recommended edits that I will send in a separate email. They are asking for direct recommended edits, not comments, so here is your chance to add wording if you see it is necessary.

Edits are due to me by COB Tuesday 24th. I will work with POCs to collate, then they will be reviewed by RDT.

The attachments include:

1. Overview of Alternatives, sufficient for looking at Chapter 3: Affected Environment and Environmental Consequences
2. Wilderness Stipulation from Table of Stips and Required Operating Procedures
3. Chapter 3. Special Designations. Jen Reed is also working on this section for the appropriate subchapters to her expertise. You can focus on Wilderness, but of course provide edits to other subchapters per your knowledge and expertise.

In the Alternatives overview, they refer to maps 2-5, etc, but those maps do not exist. You can tell from the Stipulations table that there is no buffer under Alternatives B and C, but the one you recommended is present for Alt D (D1 and D2).

Let me know if you have any questions, I am available by cell or email all weekend in addition to workdays through Tuesday.

Thank you so much,
Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Roger Kaye[roger_kaye@fws.gov]
Cc: John Trawicki[john_trawicki@fws.gov]; Steve Berendzen[steve_berendzen@fws.gov]; Joanna Fox[joanna_fox@fws.gov]
From: Wendy Loya
Sent: 2018-08-10T15:19:03-04:00
Importance: Normal
Subject: 1002 DEIS Review: Comment form and instructions for review (email 2 of 2)
Received: 2018-08-10T15:19:12-04:00
140L6318F0003 AdminDrftEIS BLM-agency-cmmts 20180808.docx

Roger, here is the form for edits and directions provided by BLM

Form should be returned to Wendy by COB Tuesday August 14th

Attached is a comment matrix form in Microsoft Word which should be used to capture all of your comments. Instructions for commenting and completing the form are at the beginning of the comment matrix.

Please note there are areas that are still being refined and updated for consistency based on recent corrections such as: acreage calculations across all chapters; inclusion of some caribou and cultural resource data; and formatting, however, the information presented in this Draft EIS provides the foundation for subsequent versions and should not change the overall analysis. Please keep that in mind while reviewing and that constructive comments should focus on the following:

- Adequacy of addressing the purpose and need.
- Missing information, such as tribal, local and state planning documents or other readily-available data.
- Inconsistencies between stipulations and required operating procedures in the alternatives.
- Adequate illustrations of the alternatives in the maps.
- Adequacy and appropriate level of direct, indirect, and cumulative impact analysis. Provide specific changes to improve analysis and note any gaps in logic.
- Consistency of impact analysis between resource topic areas.

Please remember this is for INTERNAL USE ONLY.

As always, let me know if you have any questions.

Wendy
907.786.3532 (office)
907.277.2942 (mobile)

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Tina Racy[tina_racy@fws.gov]
Cc: Gary Goldberg[gary_goldberg@fws.gov]; Randall Miller[randall_miller@fws.gov]; Wendy Loya[wendy_loya@fws.gov]
From: Leonard, Paul
Sent: 2018-08-10T16:30:32-04:00
Importance: Normal
Subject: Contract Request for Snow Monitoring Workshop
Received: 2018-08-10T16:31:15-04:00
[PPR_Snow \(sn\)wml.pdf](#)
[PR_002_Snow\(sn\)wml.pdf](#)
[Sole Source Justification.pdf](#)
[Statement of Work_Snow_contract.docx](#)
[UAF-GI_Budget.pdf](#)

Hi Tina,

Please find attached forms for a contract we've been discussing. I believe Gary is the one that uploads these to FMBS?

Thanks so much, please call with any questions - b6

I do apologize to all that this is cutting it close to the deadline but this is a very high priority for us right now. Thank you all!

Cheers,
Paul

--

Paul Leonard, PhD
Science Coordinator
[Arctic LCC](#)
101 12th Ave. Room 216
Fairbanks, AK 99701
(907) 456-0445

0000010038

To: Joshua Rose[joshua_rose@fws.gov]
Cc: Wendy Loya[Wendy_loya@fws.gov]; Sarah LaMarr[slamarr@blm.gov]
From: Wixon, Donna
Sent: 2018-08-10T17:38:27-04:00
Importance: Normal
Subject: Coastal Plain EA cumulative area
Received: 2018-08-10T17:39:29-04:00
[CoastalPlain_CumulativeEffects.pdf](#)

Hello Joshua,

[Consult w/ BLM](#)

A large section of the email body is redacted with black bars. The first bar is thin and contains the text 'Consult w/ BLM' in red. Below it are several thick black bars of varying lengths, completely obscuring the text underneath.

Thanks,
Donna

Donna L Wixon
Natural Resource Specialist
BLM Arctic District Office
222 University Ave
Fairbanks, Alaska 99709
907-474-2301 Office
907-474-2386 Fax
dwixon@blm.gov

To: John Trawicki[john_trawicki@fws.gov]
From: Wendy Loya
Sent: 2018-08-10T17:42:32-04:00
Importance: Normal
Subject: Part of ongoing consult w/ BLM
Received: 2018-08-10T17:42:41-04:00

Part of ongoing consult w/ BLM

From: Wixon, Donna <dwixon@blm.gov>
Sent: Tuesday, July 31, 2018 8:58 AM
To: Joshua Rose <joshua_rose@fws.gov>; Wendy Loya <Wendy_loya@fws.gov>
Cc: Shelly Jacobson <njones@blm.gov>; Sarah LaMarr <slamarr@blm.gov>
Subject: Part of ongoing consult w/ BLM

Good Morning,

Part of ongoing consult w/ BLM

?

Thanks,
Donna

Donna L Wixon
Natural Resource Specialist
BLM Arctic District Office
222 University Ave
Fairbanks, Alaska 99709
907-474-2301 Office
907-474-2386 Fax
dwixon@blm.gov

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

From: Suzan Simonds <ssimonds@contractor.saexploration.com>
Date: Mon, Jul 23, 2018 at 3:33 PM
Subject: Part of ongoing consult w/ BLM
To: Sarah LaMarr <slamarr@blm.gov>, Donna Wixon <dwixon@blm.gov>
Cc: Marsh Creek Permitting <MarshCreekPermitting@saexploration.com>

Hi Sara

Part of ongoing consult w/ BLM

Part of ongoing consult w/ BLM

[Redacted]

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

[Redacted]

Suzan Simonds
Permit and Regulatory Manager
SAExploration, Inc.
Safety – Acquisition - Experience
8240 Sandlewood Pl., Suite 102
Anchorage, AK 99507

907-331-8140 Cell
907-522-4499 Main
907-522-4498 Fax

To: Donna Wixon[dwixon@blm.gov]; Joshua Rose[joshua_rose@fws.gov]; John Trawicki[john_trawicki@fws.gov]
Cc: Nichelle (Shelly) Jones[njones@blm.gov]; Sarah LaMarr[slamarr@blm.gov]
From: Wendy Loya
Sent: 2018-08-10T18:22:23-04:00
Importance: Normal
Subject: Consult w/ BLM
Received: 2018-08-10T18:22:33-04:00

Hi Donna,

Consult w/ BLM
[Redacted]

[Redacted]

Consult w/ BLM
[Redacted]

Consult w/ BLM

Thank you,
Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Wixon, Donna <dwixon@blm.gov>
Sent: Tuesday, July 31, 2018 8:58 AM
To: Joshua Rose <joshua_rose@fws.gov>; Wendy Loya <Wendy_loya@fws.gov>
Cc: Shelly Jacobson <njones@blm.gov>; Sarah LaMarr <slamarr@blm.gov>
Subject: Part of ongoing consult w/ BLM

Good Morning,

Part of ongoing consult w/ BLM

?

Thanks,
Donna

Donna L Wixon
Natural Resource Specialist
BLM Arctic District Office
222 University Ave
Fairbanks, Alaska 99709
907-474-2301 Office
907-474-2386 Fax
dwixon@blm.gov

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

From: **Suzan Simonds** <ssimonds@contractor.saexploration.com>

Date: Mon, Jul 23, 2018 at 3:33 PM

Subject: **Part of ongoing consult w/ BLM**

To: Sarah LaMarr <slamarr@blm.gov>, Donna Wixon <dwixon@blm.gov>

Cc: Marsh Creek Permitting <MarshCreekPermitting@saexploration.com>

Hi Sara

Part of ongoing consult w/ BLM

[Redacted]

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

[Redacted]

Suzan Simonds
Permit and Regulatory Manager
SAExploration, Inc.
Safety – Acquisition - Experience
8240 Sandlewood Pl., Suite 102
Anchorage, AK 99507

907-331-8140 Cell
907-522-4499 Main
907-522-4498 Fax

To: Wendy Loya[wendy_loya@fws.gov]
From: Leonard, Paul
Sent: 2018-08-10T19:36:58-04:00
Importance: Normal
Subject: Fwd: Thank you Paul. I'll let you know when it's in FBMS.
Received: 2018-08-10T19:37:35-04:00
PR40411568 SNOW MONITORING WORKSHOP.zip

yah!

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

From: **Goldberg, Gary** <gary_goldberg@fws.gov>
Date: Fri, Aug 10, 2018 at 3:01 PM
Subject: Re: Thank you Paul. I'll let you know when it's in FBMS.
To: "Leonard, Paul" <paul_leonard@fws.gov>
Cc: Randall Miller <randall_miller@fws.gov>, Tina Racy <tina_racy@fws.gov>, "Ivory, Margaret" <margaret_ivory@fws.gov>

Hello Paul,

This has been input into FBMS with the attachments. PR 40411568 was the number assigned by FBMS. I included the budget disclaimer of which you wrote as well in (1) the header of the electronic PR and (2) as an additional attachment in the zip file. I didn't monkey with their actual budget form at all. I'm sure CGS will need to ensure it received UAF approval before awarding, so it's good they will see it.

Margaret will be approving the FBMS entry as supervisor in Tina's absence. I'm heading out for the day. I'll be in Monday, except for a few hours mid-morning (b6
) if you need anything.

Have a good weekend. I'm glad this got pulled together.

gg

--

Paul Leonard, PhD
Science Coordinator
Arctic LCC
101 12th Ave. Room 216
Fairbanks, AK 99701
(907) 456-0445

0000010045

To: Wendy Loya[wendy_loya@fws.gov]
From: Rose, Joshua
Sent: 2018-08-10T19:52:23-04:00
Importance: Normal
Subject: Re: Coastal Plain EA cumulative area
Received: 2018-08-10T19:52:30-04:00

Thanks Wendy!

On Fri, Aug 10, 2018 at 2:48 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Josh,

Consult w/ BLM

Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Rose, Joshua <joshua_rose@fws.gov>
Sent: Friday, August 10, 2018 2:27 PM
To: Wixon, Donna <dwixon@blm.gov>
Cc: Wendy Loya <Wendy_loya@fws.gov>; Sarah LaMarr <slamarr@blm.gov>
Subject: Re: Coastal Plain EA cumulative area

Donna,

Sounds good. I will get on it and get the information back to you as soon as I can.

Thanks,

Josh

On Fri, Aug 10, 2018 at 2:20 PM, Wixon, Donna <dwixon@blm.gov> wrote:

Joshua,

part of ongoing consult w/ BLM

[REDACTED]
[REDACTED]
[REDACTED]?

Thanks,

Donna

Donna L Wixon

Natural Resource Specialist

BLM Arctic District Office

222 University Ave

Fairbanks, Alaska 99709

907-474-2301 Office

907-474-2386 Fax

dwixon@blm.gov

On Fri, Aug 10, 2018 at 2:08 PM, Rose, Joshua <joshua_rose@fws.gov> wrote:

Donna,

part of ongoing consult w/ BLM

Is that correct?

Thanks,

Josh

On Fri, Aug 10, 2018 at 1:38 PM, Wixon, Donna <dwixon@blm.gov> wrote:

Hello Joshua,

part of ongoing consult w/ BLM

Thanks,

Donna

Donna L Wixon

Natural Resource Specialist

BLM Arctic District Office

222 University Ave

Fairbanks, Alaska 99709

907-474-2301 Office

907-474-2386 Fax

dwixon@blm.gov

--

Joshua Rose

Acting Oil and Gas Coordinator

Arctic National Wildlife Refuge

101 12th Ave., Rm 236

Fairbanks, AK 99701

phone: (907) 456-0409

--

Joshua Rose

Acting Oil and Gas Coordinator

Arctic National Wildlife Refuge

101 12th Ave., Rm 236

Fairbanks, AK 99701

phone: (907) 456-0409

--

Joshua Rose

Acting Oil and Gas Coordinator

Arctic National Wildlife Refuge

101 12th Ave., Rm 236

Fairbanks, AK 99701
phone: (907) 456-0409

To: greta_burkhardt@fws.gov[greta_burkhardt@fws.gov]
Cc: John Trawicki[john_trawicki@fws.gov]
From: Wendy Loya
Sent: 2018-08-13T12:38:10-04:00
Importance: Normal
Subject: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
Received: 2018-08-13T12:41:22-04:00
Coastal Plain EIS Vol I FWS.pdf

Greta...Accidentally sent to your gmail with autofill address. Please delete that email and use this one so there is no confusion about govt vs. private email.

Hi Greta,

I will be sending 4 emails, including this one. Thanks for your willingness to help on this! John or I can answer any questions you have along the way, or Steve B.
Hope all is well in Ohio!

Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Wendy Loya <wendy_loya@fws.gov>
Sent: Thursday, August 9, 2018 10:01 AM
To: Paul Leonard <paul_leonard@fws.gov>; John Trawicki <john_trawicki@fws.gov>; Randy Brown <randy_j_brown@fws.gov>; Jennifer Reed <jennifer_reed@fws.gov>; Sarah Conn <sarah_conn@fws.gov>; Hollis Twitchell <hollis_twitchell@fws.gov>; Joanna Fox <joanna_fox@fws.gov>; Peter Butteri <peter_butteri@fws.gov>; Drew Crane <drew_crane@fws.gov>; Christopher Latty <christopher_latty@fws.gov>; Patrick O'Dell <patrick_odell@fws.gov>; Carl Johnson <carl_johnson@fws.gov>; Stephen Arthur <stephen_arthur@fws.gov>; Joshua Ream <joshua_ream@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Catherine Collins <catherine_collins@fws.gov>; Susan LaKomski <susan_lakomski@fws.gov>; Edward Decleva <edward_decleva@fws.gov>; Tim Allen <tim_allen@fws.gov>; Ryan Wilson <ryan_r_wilson@fws.gov>; Ted Swem <ted_swem@fws.gov>; Joshua Rose <joshua_rose@fws.gov>; 'jorgenson@b6 b6'; Lynnda Kahn <lynnda_kahn@fws.gov>; Angela Matz <angela_matz@fws.gov>; Charles Hamilton <charles_hamilton@fws.gov>; John Martin <john_w_martin@fws.gov>
Cc: Greg Siekaniec <greg_siekaniec@fws.gov>; Karen Clark <karen_clark@fws.gov>; Mary Colligan <mary_colligan@fws.gov>; Mitch Ellis <mitch_ellis@fws.gov>; Eric Taylor <eric_taylor@fws.gov>; Bud Cribley <bud_cribley@fws.gov>
Subject: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)

Dear 1002 Team,

Attached is Volume 1 of the DEIS for your review prepared by BLM and the contractor EMPSi. This is a DRAFT for Cooperating Agencies; it will also undergo review by BLM State Office and at the Washington DC level before it is revised and released to the Public as a Draft EIS. **I am happy to say that it includes an alternative that reflects our collective effort to identify ways to manages for all 5 purposes of the Arctic Refuge, and our review now will help make it even better.** We want to maintain the respect we have achieved for our knowledge, preparation and cooperation thus far, so please keep this internal so that we remain at the table as a trusted partner. There will be time for the public and the media to review a draft when it is ready, but now is not that time. Our draft if marked FWS and traceable back to us, please do not share.

We have a little extra time: Comment forms are due COB Tuesday August 14th to Wendy. FWS will submit collated comments on Friday August 17th.

Here is an outline for our approach:

- 1. You will get an email with a comment form and the instructions provided by BLM.**
- 2. Review Chapter 2: Alternatives. ALL Experts review Stipulations and ROPs relevant to their area(s) of expertise;** you will need to understand the Stipulations to evaluate the Environmental Consequences. What we called BMPs are now ROPs.
- 3. Please read Vol II Appendix M: Approach to the Environmental Analysis to understand what factors were considered in describing Enviro Consequences (sent in second email)**
- 4. Below is a matchup of Vol I Chapter 3: Affected Environment and Environmental Consequences with who we believe has the expertise to review those chapters.**

- If you do not want to review a section you are listed for, please let me know ASAP.
- If you feel you have expertise to contribute to another section, please do so and include in your comment form. Check in with the primary reviewer as needed.

Climate & Meteorology: Paul

Air Quality: Tim and Catherine

Acoustic Environment: TBD

Physiography: Janet Jorgenson and Josh Rose

Geology and Minerals: Josh Rose, John T, Wendy L, Pat O'Dell

Peteroleum: Pat O'Dell

Paleontological Resources: Ed, Arctic Refuge Staff

Soils: Josh Rose

Sand and Gravel: Josh Rose

Water Resources: John T

Solid and Hazardous Waste: Angela Matz, ES Staff

Vegetation and Wetlands: Janet

Wildland Fire: Peter B

Fish and Aquatic Species: Randy

Birds: Chris Latty & MBM experts

Terrestrial Mammals: Steve A

Marine Mammals: Ryan Wilson (PB); Charlie (Treaties (page 3-120))

Landownership & Use: Hollis, Susan

Cultural: Ed

Subsistence: Hollis, Josh, Carl

Sociocultural Systems: Hollis,

Environmental Justice: Hollis, Josh, Carl

Recreation: Jen
Special Designations: Jen, Roger, others
Visual Resources: Paul, others
Transportation: Jen, Steve B
Economy: Notify Wendy if you have expertise
Public Health: Notify Wendy if you have expertise
Ch 3.5-3.7: John Martin

5. Volume II: Appendices.

Maps and Figures: Review for your area of expertise

Collaboration and Coordination: Wendy
Section 810: Hollis and Josh Ream
Regulations & Permits: Sarah, Ted, Patrick, John M, Steve & Joanna
RSDS: Wendy and Paul
Paleontological: Ed
Water Resources: John T
H. Birds: Chris & MBM
H. Terrestrial Mammals: Steve A
H. Vegetation and Wetlands: Janet
I. Fish and Aquatic sp: Randy
J: Subsistence: Hollis, Josh, Carl
K,L: Josh Ream and Carl?
M: John Martin

Thank you! Don't hesitate to contact me or your POC with any questions. I am available by email or cell at anytime.

Wendy
Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Wendy Loya[wendy_loya@fws.gov]
From: Rose, Joshua
Sent: 2018-08-13T15:52:38-04:00
Importance: Normal
Subject: Re: USGS Winter research Activities for Seismic EA
Received: 2018-08-13T15:52:44-04:00

Thanks Wendy,
I am working on it now and will throw you a draft before I send it.

Thanks,
Josh

On Mon, Aug 13, 2018 at 10:38 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Josh,

Can you include the following 2 USGS projects in your reply today to BLM regarding winter activities?

Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Pearce, John <jpearce@usgs.gov>
Sent: Monday, August 13, 2018 10:37 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Fwd: FWS information request

Hi Wendy,

See attached from Todd Atwood for USGS activities during winter in the Arctic Refuge coastal plain in the near future. Please let me know if you need any additional details regarding your request from last week.

John

John M. Pearce, Ph.D.

Supervisory Wildlife Biologist

Manager, Wetland and Terrestrial Ecosystems Office

U.S. Geological Survey, Alaska Science Center

4210 University Drive

Anchorage, Alaska 99508

Tel. 907.786.7094

Email: jpearce@usgs.gov

http://alaska.usgs.gov/staff/staffbio.php?employeeid_173

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

From: **Atwood, Todd** <tatwood@usgs.gov>

Date: Mon, Aug 13, 2018 at 10:29 AM

Subject: Re: FWS information request

To: "Pearce, John" <jpearce@usgs.gov>

Cc: Grant Hilderbrand <ghilderbrand@usgs.gov>, Christian Zimmerman <czimmerman@usgs.gov>

On Fri, Aug 10, 2018 at 2:51 PM, Pearce, John <jpearce@usgs.gov> wrote:

Hi Todd and Grant,

0000010055

Wendy Loya called and is asking for USGS winter (Dec. through May) activity plans in the 1002 Area for the next 5 years for a BLM data call.

Can you please let me know what you might have for this for polar bears? She needs brief description of activities and rough dates and duration of activities. It just needs to be short bullet statements; one per activity. I think we should include the proposed SSP/QRP den disturbance work plus any tagging work.

She wanted to know if we could have this to her by Monday afternoon.

Many thanks,

John

John M. Pearce, Ph.D.

Supervisory Wildlife Biologist

Manager, Wetland and Terrestrial Ecosystems Office

U.S.Geological Survey, Alaska Science Center

4210 University Drive

Anchorage, Alaska 99508

Tel. 907.786.7094

Email: jpearce@usgs.gov

http://alaska.usgs.gov/staff/staffbio.php?employeeid_173

--

Joshua Rose
Acting Oil and Gas Coordinator
Arctic National Wildlife Refuge

101 12th Ave., Rm 236
Fairbanks, AK 99701
phone: (907) 456-0409

To: Wendy Loya[wendy_loya@fws.gov]

From: Leonard, Paul

Sent: 2018-08-13T16:10:45-04:00

Importance: Normal

Subject: Consult w/ BLM

Received: 2018-08-13T16:11:22-04:00

Consult w/ BLM

Consult w/ BLM

We should probably briefly chat about this today.

Cheers,
Paul

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

From: Maldonado, Kristina (Nicole) <kmaldona@blm.gov>

Date: Mon, Aug 13, 2018 at 11:03 AM

Subject: Consult w/ BLM

To: Tina Racy <tina_racy@fws.gov>

Cc: Paul Leonard <paul_leonard@fws.gov>, Debora Nigro <dnigro@blm.gov>

Consult w/ BLM

Kindest regards,

Nicole Maldonado
Contract Specialist
BLM Alaska State Office, AK952
Ph. 907.271.3208
Fax 907.271.4595
Email: kmaldona@blm.gov

--

Paul Leonard, PhD
Science Coordinator
Arctic LCC

0000010058

101 12th Ave. Room 216
Fairbanks, AK 99701
(907) 456-0445

To: Wendy Loya[wendy_loya@fws.gov]
From: Rose, Joshua
Sent: 2018-08-13T19:15:58-04:00
Importance: Normal
Subject: Re: USGS Winter research Activities for Seismic EA
Received: 2018-08-13T19:16:05-04:00

Sounds good.
Stay afloat and see you Wednesday :-)

On Mon, Aug 13, 2018 at 3:06 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Okay, that makes sense. I didn't think through the infrastructure part of the project list you sent.
Thanks for enlightening me ☺

Good to go from what little time I have to think about it further ☺

Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Rose, Joshua <joshua_rose@fws.gov>
Sent: Monday, August 13, 2018 2:58 PM

To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: USGS Winter research Activities for Seismic EA

Wendy,

The other projects that we are aware of are: 1) Angela's contaminants work, 2) NWI mapping, 3) NHD update, 4) Veg. mapping, and 5) a shorebird study that has some funding. We did not think any of these were things that the seismic company would care to know or need to be aware of to avoid impacts to the work. We only included current or planned studies that had infrastructure, plots, or activities that seismic work may impact. Basically it is a list of "we will be out there" or "please don't drive over this stuff".

We could include a projected projects list. We talked about it and Steve and Joanna felt like everything was enough of a moving target that anything we added would have little meaning.

If you are aware of anything that is planned or has significant enough support that it should be included please let me know.

On Mon, Aug 13, 2018 at 1:57 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

There is a loooootttt more proposed for summer than in this list. We should determine if we want both winter and summer

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Rose, Joshua <joshua_rose@fws.gov>
Sent: Monday, August 13, 2018 1:28 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: USGS Winter research Activities for Seismic EA

Wendy,

Attached is the list I was able to come up with. I will also send Donna a shapefile with the control plot locations. If you don't have any changes I will get it sent off ASAP.

Thanks,

Josh

On Mon, Aug 13, 2018 at 10:38 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Josh,

Can you include the following 2 USGS projects in your reply today to BLM regarding winter activities?

Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Pearce, John <jpearce@usgs.gov>
Sent: Monday, August 13, 2018 10:37 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Fwd: FWS information request

0000010062

Hi Wendy,

See attached from Todd Atwood for USGS activities during winter in the Arctic Refuge coastal plain in the near future. Please let me know if you need any additional details regarding your request from last week.

John

John M. Pearce, Ph.D.

Supervisory Wildlife Biologist

Manager, Wetland and Terrestrial Ecosystems Office

U.S.Geological Survey, Alaska Science Center

4210 University Drive

Anchorage, Alaska 99508

Tel. 907.786.7094

Email: jpearce@usgs.gov

http://alaska.usgs.gov/staff/staffbio.php?employeeid_173

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

From: **Atwood, Todd** <tatwood@usgs.gov>

Date: Mon, Aug 13, 2018 at 10:29 AM

Subject: Re: FWS information request

To: "Pearce, John" <jpearce@usgs.gov>

Cc: Grant Hilderbrand <ghilderbrand@usgs.gov>, Christian Zimmerman
<czimmerman@usgs.gov>

On Fri, Aug 10, 2018 at 2:51 PM, Pearce, John <jpearce@usgs.gov> wrote:

Hi Todd and Grant,

Wendy Loya called and is asking for USGS winter (Dec. through May) activity plans in the 1002 Area for the next 5 years for a BLM data call.

Can you please let me know what you might have for this for polar bears? She needs brief description of activities and rough dates and duration of activities. It just needs to be short bullet statements; one per activity. I think we should include the proposed SSP/QRP den disturbance work plus any tagging work.

She wanted to know if we could have this to her by Monday afternoon.

Many thanks,

John

John M. Pearce, Ph.D.

Supervisory Wildlife Biologist

Manager, Wetland and Terrestrial Ecosystems Office

U.S. Geological Survey, Alaska Science Center

4210 University Drive

Anchorage, Alaska 99508

Tel. 907.786.7094

Email: jpearce@usgs.gov

http://alaska.usgs.gov/staff/staffbio.php?employeeid_173

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Joshua Rose

Acting Oil and Gas Coordinator

Arctic National Wildlife Refuge

101 12th Ave., Rm 236

Fairbanks, AK 99701

phone: (907) 456-0409

--

Joshua Rose

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--

Joshua Rose

Acting Oil and Gas Coordinator

Arctic National Wildlife Refuge

101 12th Ave., Rm 236

Fairbanks, AK 99701

phone: (907) 456-0409

To: Wendy Loya[wendy_loya@fws.gov]
From: Angela Matz
Sent: 2018-08-14T13:06:02-04:00
Importance: Normal
Subject: Re: my comments on draft Coastal Plain Oil and Gas Leasing Program EIS attached
Received: 2018-08-14T13:06:47-04:00

Sorry so voluminous. I read most of it, because....contaminants affect a lot of things. Apologize if some are duplicative or cause extra work for you.

On Tue, Aug 14, 2018 at 8:53 AM Wendy Loya <wendy_loya@fws.gov> wrote:

Got 'em, thank you Angela.

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Angela Matz <angela_matz@fws.gov>
Sent: Monday, August 13, 2018 6:05 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: my comments on draft Coastal Plain Oil and Gas Leasing Program EIS attached

Thank you!

--

Note new contact info

Angela Matz, Ph.D.

Oil Spill and Contaminants Coordinator, Alaska Region

U.S. Fish and Wildlife Service

0000010066

1011 E. Tudor Road, MS 361

Anchorage, AK 99503

angela_matz@fws.gov

Mobile: 907-750-8527

Landline: 907 786 3483

--

****Note new contact info****

Angela Matz, Ph.D.
Oil Spill and Contaminants Coordinator, Alaska Region
U.S. Fish and Wildlife Service
1011 E. Tudor Road, MS 361
Anchorage, AK 99503
angela_matz@fws.gov
Mobile: 907 750 8527
Landline: 907 786 3483

To: Jones, Nichelle (Shelly)[njones@blm.gov]
Cc: Sarah LaMarr[slamarr@blm.gov]; Wixon, Donna[dwixon@blm.gov]; Joanna Fox[joanna_fox@fws.gov]; Joshua Rose[joshua_rose@fws.gov]; Loya, Wendy[wendy_loya@fws.gov]
From: Berendzen, Steve
Sent: 2018-08-14T14:26:11-04:00
Importance: Normal
Subject: Re: Seismic EA Meeting this Afternoon?
Received: 2018-08-14T14:26:20-04:00

Ok - we'll plan to join you at your office at 3:00 & call in to Wendy and others

Steve Berendzen
Refuge Manager, Arctic National Wildlife Refuge
907 456 0253

On Tue, Aug 14, 2018 at 10:06 AM, Jones, Nichelle (Shelly) <njones@blm.gov> wrote:

Consult w/ BLM

Shelly Jones
Acting Manager
Arctic District Office
222 University Avenue
Fairbanks, AK 99709

(907) 474-2310 (w)
(907) 460 0086 (c)

On Tue, Aug 14, 2018 at 9:32 AM, Berendzen, Steve <steve_berendzen@fws.gov> wrote:

Shelly,
I understand that the 1002 Coordination meeting scheduled for 2:00 has been canceled today, but I'm curious if you still want to have the seismic meeting this afternoon.

I'm still in Fairbanks and will be available to meet.

Steve Berendzen
Refuge Manager, Arctic National Wildlife Refuge
907 456 0253

0000010068

To: Joshua Rose[joshua_rose@fws.gov]; Joshua Koch[jkoch@usgs.gov]
Cc: John Pearce[jpearce@usgs.gov]
From: Wendy Loya
Sent: 2018-08-14T15:47:11-04:00
Importance: Normal
Subject: template for SSP proposal
Received: 2018-08-14T15:48:18-04:00
[FY2019 PreProposalTemplate 20180514.docx](#)

Hi Joshes,

It sounds like you guys might be using a different format for the SSP than FWS was expecting, not sure if that is a USGS thing? If so, Josh K or JP please let me know. Otherwise I think the pre-proposal format is what we are expecting but fleshed out in greater detail.

Thank you,
Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

To: Stephen Arthur[stephen_arthur@fws.gov]
From: Wendy Loya
Sent: 2018-08-14T16:12:42-04:00
Importance: Normal
Subject: RE: 1002 DEIS Review: Comment form and instructions for review (email 3 of 3)
Received: 2018-08-14T16:12:51-04:00

Thanks Steve!

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Arthur, Stephen <stephen_arthur@fws.gov>
Sent: Tuesday, August 14, 2018 12:08 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: 1002 DEIS Review: Comment form and instructions for review (email 3 of 3)

Wendy,

Attached are my comments on the DEIS. Let me know if you have any questions.

Steve

Stephen M. Arthur, Ph.D.

*Supervisory Wildlife Biologist
Arctic National Wildlife Refuge
101 12th Ave., Room 236
Fairbanks, AK 99701
(907)455-1830*

On Thu, Aug 9, 2018 at 10:01 AM, Wendy Loya <wendy_loya@fws.gov> wrote:
Form should be returned to Wendy by COB Tuesday August 14th

Attached is a comment matrix form in Microsoft Word which should be used to capture all of your comments. Instructions for commenting and completing the form are at the beginning of the comment matrix.

Please note there are areas that are still being refined and updated for consistency based on recent corrections such as: acreage calculations across all chapters; inclusion of some caribou and cultural resource data; and formatting, however, the information presented in this Draft EIS provides the foundation for subsequent versions and should not change the overall analysis. Please keep that in mind while reviewing and that constructive comments should focus on the following:

- Adequacy of addressing the purpose and need.
- Missing information, such as tribal, local and state planning documents or other readily-available data.
- Inconsistencies between stipulations and required operating procedures in the

alternatives.

Adequate illustrations of the alternatives in the maps.

Adequacy and appropriate level of direct, indirect, and cumulative impact analysis.

Provide specific changes to improve analysis and note any gaps in logic.

Consistency of impact analysis between resource topic areas.

Please remember this is for INTERNAL USE ONLY.

As always, let me know if you have any questions.

Wendy

907.786.3532 (office)

907.277.2942 (mobile)

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

To: John Pearce[jpearce@usgs.gov]
From: Wendy Loya
Sent: 2018-08-14T17:44:56-04:00
Importance: Normal
Subject: RE: update to proposed work in Arctic NWR
Received: 2018-08-14T18:10:34-04:00
DRAFT SOW IAA FWS USGS 1002 BASELINE CONTAM.DOC

Hi John,

Consult w/ USGS
[Redacted]

Thanks,
wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Pearce, John <jpearce@usgs.gov>
Sent: Tuesday, August 14, 2018 12:49 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Fwd: update to proposed work in Arctic NWR

Hi Wendy,

Consult w/ USGS
[Redacted]

Thanks,
John

----- Forwarded message -----
From: Aimee Devaris <adevaris@usgs.gov>
Date: Tue, Aug 14, 2018 at 12:39 PM
Subject: Fwd: update to proposed work in Arctic NWR

To: Durelle Smith <dpsmith@usgs.gov>, John Pearce <jpearce@usgs.gov>

Consult w/ USGS

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

From: **Shively, Rip** <rsshively@usgs.gov>

Date: Fri, Aug 10, 2018 at 10:52 AM

Subject: Fwd: update to proposed work in Arctic NWR

To: Devaris, Aimee <adevaris@usgs.gov>

Cc: Christian Zimmerman <czimmerman@usgs.gov>, Alvarez, David <dalvarez@usgs.gov>

Hi Aimee

Consult w/ USGS

Thanks,

Rip

Rip S. Shively
Center Director
U.S. Geological Survey
Columbia Environmental Research Center
4200 New Haven Road
Columbia, MO 65201
573 876 1900 (office)
573 489 9180 mobile

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

From: **Alvarez, David** <dalvarez@usgs.gov>

Date: Fri, Aug 10, 2018 at 11:15 AM

Subject: update to proposed work in Arctic NWR

To: Rip Shively <rsshively@usgs.gov>

Rip,

Consult w/ USGS

Consult w/ USGS

Dave

David Alvarez, Ph.D.
Chief, Environmental Chemistry Branch
USGS Columbia Environmental Research Center
4200 New Haven Road, Columbia, MO, USA 65201
phone: (573) 441-2970 fax: (573) 876-1896
e-mail: dalvarez@usgs.gov
<http://www.cerc.usgs.gov/>

--

Aimee M. Devaris
Regional Director
Diversity Change Agent
U.S. Geological Survey
Anchorage, Alaska
907-786-7055

To: Wendy Loya[wendy_loya@fws.gov]
From: Joanna Fox
Sent: 2018-08-14T18:09:36-04:00
Importance: Normal
Subject: Re: DRAFT EIA comments
Received: 2018-08-14T18:16:39-04:00

P.S. I did go through the introduction - just didn't find anything specific to comment on in it.

Joanna L. Fox
Deputy Refuge Manager
Arctic National Wildlife Refuge
101 12th Avenue, Room 236
Fairbanks, AK 99701
(907) 456-0549

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www.facebook.com/arcticnationalwildliferefuge

"Do what you can, with what you have, where you are." -- Theodore Roosevelt

On Tue, Aug 14, 2018 at 1:54 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Thanks Joanna!
Dr. Wendy M. Loya, Coordinator
Office of Science Applications -Arctic Program
US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

On Tue, Aug 14, 2018 at 1:53 PM Joanna Fox <joanna_fox@fws.gov> wrote:

Hi Wendy,
I have attached my comments on BLM's draft oil and leasing program EIS. Unfortunately, I've been dealing with one fire after another all day today and much of yesterday, and haven't been able to make as much progress as I had hoped to. I was, however, able to devote some time to it over the weekend. I did try to hit the sections that either weren't assigned to others or may not have otherwise received much attention. Please let me know if you have questions or need clarification on anything, and do let me know if you need additional assistance compiling our collective comments tomorrow.

Thank you,
Joanna

Joanna L. Fox

Deputy Refuge Manager
Arctic National Wildlife Refuge
101 12th Avenue, Room 236
Fairbanks, AK 99701
(907) 456-0549

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www.facebook.com/arcticnationalwildliferefuge

“Do what you can, with what you have, where you are.” -- Theodore Roosevelt

To: joshua_rose@fws.gov[joshua_rose@fws.gov]
From: Wendy Loya
Sent: 2018-08-14T18:25:13-04:00
Importance: Normal
Subject: RE: Coastal Plain Seismic EA-Status Check
Received: 2018-08-14T18:25:38-04:00

Thanks!

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Google Calendar <calendar-notification@google.com> **On Behalf Of** joshua_rose@fws.gov
Sent: Tuesday, August 14, 2018 2:22 PM
To: joshua_rose@fws.gov; sarah_conn@fws.gov; wendy_loya@fws.gov
Subject: Coastal Plain Seismic EA-Status Check

Here is the calendar invite for the EA weekly update meeting.

Coastal Plain Seismic EA-Status Check

This is a standing meeting, so we can check in and discuss what is happening with the Seismic EA.

When Tue Aug 14, 2018 15:00 – 15:30 Alaska Time - Anchorage

Where BLM-AK FDO Arctic Conference Room, BLM-AK FDO Bridge **b5 - CIP**
Passcode **b5 - CIP**, BLM-AK FDO Chandalar Conference Room ([map](#))

Video call https://hangouts.google.com/hangouts/_/doi.gov/njones

Who

- njones@blm.gov - organizer
- joshua_rose@fws.gov
- dwixon@blm.gov
- rbrumbau@blm.gov
- slamarr@blm.gov
- joanna_fox@fws.gov
- steve_berendzen@fws.gov

To: Wendy Loya[wendy_loya@fws.gov]
From: Rose, Joshua
Sent: 2018-08-14T18:26:09-04:00
Importance: Normal
Subject: Re: today's seismic meeting at 3pm
Received: 2018-08-14T18:26:42-04:00

Wendy,

I forwarded the invite from Shelly to you. She owns the calendar so I will make sure to ask her today to add you guys to her invite so we are all on the same page.

Thanks,
Josh

On Tue, Aug 14, 2018 at 2:18 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hey Josh,

No conference line has been set up for the 3pm. Can you please set up a recurring calendar meeting with call in info so that Sarah Conn, myself and any others relevant to discussion can be included after today's meeting if we agree to continue to meet weekly? Or we can set it up via Joanna if you are going to be away the rest of the month so she can update/cancel.

BLM was relying on Nicole's line, not sure if Shelly/Donna have the access code for that or how that works when the 2pm is cancelled.

Thanks!

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

--

Joshua Rose
Acting Oil and Gas Coordinator
Arctic National Wildlife Refuge
101 12th Ave., Rm 236
Fairbanks, AK 99701
phone: (907) 456-0409

To: Joshua Rose[joshua_rose@fws.gov]
From: Wendy Loya
Sent: 2018-08-14T18:28:13-04:00
Importance: Normal
Subject: RE: EIS comments
Received: 2018-08-14T18:29:17-04:00

Thanks for your comments. So far everyone's comments look pretty straightforward, so I think our work tomorrow will just be making sure that if we have more than one comment on a topic, we determine which one to put forward.

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Rose, Joshua <joshua_rose@fws.gov>
Sent: Tuesday, August 14, 2018 2:25 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: EIS comments

Wendy,

Attached are my comments for the review of the EIS

Thanks,
Josh

--

Joshua Rose
Acting Oil and Gas Coordinator
Arctic National Wildlife Refuge
101 12th Ave., Rm 236
Fairbanks, AK 99701
phone: (907) 456-0409

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Stephanie Brady[stephanie_brady@fws.gov]; John Trawicki[john_trawicki@fws.gov]
From: Martin, John
Sent: 2018-08-14T19:03:48-04:00
Importance: Normal
Subject: Re: DEIS Leasing Review
Received: 2018-08-14T19:04:37-04:00

Am resubmitting - apparently I made some mistakes.

On Tue, Aug 14, 2018 at 2:50 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Thank you John, greatly appreciate your time and expertise. We'll be in touch as we work through compilation with any questions.

Sincerely,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: Martin, John <john_w_martin@fws.gov>
Sent: Tuesday, August 14, 2018 2:47 PM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Stephanie Brady <stephanie_brady@fws.gov>; John Trawicki <john_trawicki@fws.gov>
Subject: DEIS Leasing Review

Wendy

Per your request, please find attached my review comments regarding the BLM DEIS

0000010081

Oil and Gas Leasing 1002 Area, Arctic National Wildlife Refuge. Additionally, attached are relevant documents that may be difficult to locate and referenced in my comments.

Please advise if you have any questions, or I may provide additional information.

Thanks for the opportunity.

John

To: John Martin[john_w_martin@fws.gov]
Cc: Stephanie Brady[stephanie_brady@fws.gov]; John Trawicki[john_trawicki@fws.gov]
From: Wendy Loya
Sent: 2018-08-14T19:54:01-04:00
Importance: Normal
Subject: RE: DEIS Leasing Review: resubmittal - disregard previous submission
Received: 2018-08-14T19:54:34-04:00

Got it, I will delete previous email and refer to attachment on this one.

Thank you!

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Martin, John <john_w_martin@fws.gov>
Sent: Tuesday, August 14, 2018 3:36 PM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Stephanie Brady <stephanie_brady@fws.gov>; John Trawicki <john_trawicki@fws.gov>
Subject: DEIS Leasing Review: resubmittal - disregard previous submission

Wendy

Per your request, please find attached my (resubmitted) review comments regarding the BLM DEIS Oil and Gas Leasing 1002 Area, Arctic National Wildlife Refuge. Additionally, attached are relevant documents that may be difficult to locate and referenced in my comments.

Please advise if you have any questions, or I may provide additional information.

Thanks for the opportunity.

John

0000010083

To: Carl Johnson[carl_johnson@fws.gov]
Cc: Joshua Ream[joshua_ream@fws.gov]; Jennifer Hardin[jennifer_hardin@fws.gov]; Thomas Doolittle[thomas_doolittle@fws.gov]
From: Wendy Loya
Sent: 2018-08-14T20:37:13-04:00
Importance: Normal
Subject: RE: OSM Comments on Draft EIS
Received: 2018-08-14T20:37:19-04:00

Thank you so much, Carl and Josh!

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.277.2942 (mobile)

From: Johnson, Carl <carl_johnson@fws.gov>
Sent: Tuesday, August 14, 2018 4:36 PM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Joshua Ream <joshua_ream@fws.gov>; Hardin, Jennifer <jennifer_hardin@fws.gov>; Thomas Doolittle <thomas_doolittle@fws.gov>
Subject: OSM Comments on Draft EIS

Here are the comments that Josh and I worked up on the Draft EIS for the Coastal Plain oil and gas leasing program.

Carl Johnson, J.D.
Supervisory Program Analyst
[Office of Subsistence Management](#)
1011 E. Tudor Road,
Anchorage, AK 99503
(907) 786-3676

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To: Wendy Loya[wendy_loya@fws.gov]
From: Rose, Joshua
Sent: 2018-08-15T12:10:26-04:00
Importance: Normal
Subject: Fwd: EIS V 2, maps appendix
Received: 2018-08-15T12:10:33-04:00

Got these from Roger yesterday afternoon.

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

From: **Kaye, Roger** <roger_kaye@fws.gov>
Date: Tue, Aug 14, 2018 at 2:52 PM
Subject: EIS V 2, maps appendix
To: Joshua Rose <joshua_rose@fws.gov>, Joanna Fox <joanna_fox@fws.gov>, Steve Berendzen <steve_berendzen@fws.gov>

Josh, maybe you are the one to answer these maps questions.

1) The maps 2-6 & 2-8, Individual stip for Alt D1, show the Wilderness boundary stip 10 from the west up to the Lease stip 7 area, but not beyond. Why not show that this is both a stip 7 & a stip 10 area? Doing so would more visually show the area's importance.

2) Map 3-2 shows mines, prospects & mineral occurrences. I don't know about those prospects & occurrences, but there are no mines in the program area identified with triangles, so mines should be deleted from the title, as its misleading

3) Map 3-3: Are all these wells "existing"? or are some previous well sites? If that's the case, the map should differentiate between existing & previous well sites

4) Map 3-44 Special Designations. Although its outside the Program area, could this map show the adjacent designated Wilderness, since its a significant factor in our proposed boundary stip

<p>Roger Kaye Arctic National Wildlife Refuge 101 12th Ave, Room 236 Fairbanks, AK 99701 Anchorage, AK 99503 #: 907 456 0405 e: Roger_Kaye@fws.gov</p>

--

Joshua Rose
Acting Oil and Gas Coordinator
Arctic National Wildlife Refuge
101 12th Ave., Rm 236
Fairbanks, AK 99701
phone: (907) 456-0409

To: Wendy Loya[wendy_loya@fws.gov]
From: Rose, Joshua
Sent: 2018-08-15T12:19:48-04:00
Importance: Normal
Subject: Roger's comments
Received: 2018-08-15T12:19:55-04:00
140L6318F0003 AdminDrftEIS BLM-agency-cmmts 20180808 RKaye comments.docx

--

Joshua Rose
Acting Oil and Gas Coordinator
Arctic National Wildlife Refuge
101 12th Ave., Rm 236
Fairbanks, AK 99701
phone: (907) 456-0409

To: Joshua Rose[joshua_rose@fws.gov]
From: Wendy Loya
Sent: 2018-08-15T17:01:06-04:00
Importance: Normal
Subject: Re: question on comment
Received: 2018-08-15T17:01:24-04:00

Thanks, I caught that after I sent it
 Dr. Wendy M. Loya, Coordinator
 Office of Science Applications -Arctic Program
 US Fish and Wildlife Service
 Anchorage, Alaska
 907.786.3532 (office)
 907.277.2942 (mobile)

On Wed, Aug 15, 2018 at 12:39 PM Rose, Joshua <joshua_rose@fws.gov> wrote:

I am not. As I read it, by amending "e" slightly then "h" became redundant. Both start with "Additional modeling and monitoring..." but "e" is less descriptive than "h" and doesn't account for other species use. "e" already refers to lake level so I was attempting to capture the things that go into that and the other wildlife that rely on lakes. If I was wrong or it seems like having a separate standard for mig birds is better then delete.

On Wed, Aug 15, 2018 at 12:20 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Why are you recommending moving the study requirement from ROP 11:

1.	2-23	ROP 11	JRose/FWS	To meet refuge purposes set forth in ANILCA Requirement/Standard should be the same for all alternatives. Requirement/Standard "e" should be amended to read "... or lake of special concern to ensure natural hydrologic regime, water quality, and aquatic habitat for migratory birds and terrestrial wildlife." Requirement/Standard "h" should be removed.		
----	------	--------	-----------	---	--	--

Dr. Wendy M. Loya, Coordinator
 Office of Science Applications -Arctic Program
 US Fish and Wildlife Service
 Anchorage, Alaska
 907.786.3532 (office)
 907.277.2942 (mobile)

--
 Joshua Rose
 Acting Oil and Gas Coordinator
 Arctic National Wildlife Refuge

101 12th Ave., Rm 236
Fairbanks, AK 99701
phone: (907) 456-0409

To: Karen Murphy[karen_a_murphy@fws.gov]
From: Wendy Loya
Sent: 2018-08-16T19:57:32-04:00
Importance: Normal
Subject: FW: FY2019 QRP/SSP final proposals
Received: 2018-08-16T19:57:42-04:00
[Groundwater Budget final.xlsx](#)
[QRP FY2019 R7StudyPlan Caribou 20180815 Final.docx](#)
[QRP FY2019 R7StudyPlan PB monitoring plan Final.docx](#)
[SSP FY2019 R7StudyPlan 1002birdmodeling Final.docx](#)
[SSP FY2019 R7StudyPlan CanningRiverDollyVarden Final.docx](#)
[SSP FY2019 R7StudyPlan Groundwater Final.docx](#)
[SSP FY2019 R7StudyPlan PB Den Disturbance Final.docx](#)
[FY19 SSP and QRP proposals MBM comments 9 July 2018.docx](#)
[2019 Overall SSP QRP budget.xlsx](#)

Mary said to include you in this discussion 😊, which will occur at the RDT offsite. See email below for all info.

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
907.786.3532 (office)
907.227.2942 (mobile)

From: Wendy Loya <wendy_loya@fws.gov>
Sent: Thursday, August 16, 2018 3:07 PM
To: Mary Colligan <mary_colligan@fws.gov>; Socheata Lor <socheata_lor@fws.gov>; Eric Taylor <eric_taylor@fws.gov>
Cc: Mitch Ellis <mitch_ellis@fws.gov>; Robert Kaler <robert_kaler@fws.gov>; Erik Osnas <erik_osnas@fws.gov>; John Pearce <jpearce@usgs.gov>
Subject: FW: FY2019 QRP/SSP final proposals

Mary, Eric/Erik/Rob and Soch,

Attached are the full proposals we requested for the USGS QRP/SSP program for your consideration. We need to let USGS (John Pearce) which we would like to pursue on Aug 31st.

A few notes:

1. It was not assumed these would all be funded; you all agreed that each full proposal would be considered and a funding determination would be made. MBM provided comments to PIs that needed to be addressed, so I am including Erik Osnas in this for follow-up and a big THANK YOU for that feedback (reviews are attached).
2. The total amount of funding available from USGS for 2019 is \$337,746, and these proposals total ~\$52,000 more than that (see attached excel file: 2019 Overall budget). If we feel they were all worthy of funding, we can work with USGS to find 2019 money for the remainder.
3. Projects that have multiple year funding needs would count against our 2020 allocation. In 2019, we had \$490,000 available; \$152,000 which was committed to previous years' projects but those will both be complete after 2019.

4. FWS chose to fund the contaminants proposal by Angela Matz outside of the SSP program, so that proposal is not included.

I will look for a calendar slot on Mary, Eric and Soch's calendars for the 29th or 30th so we can meet to discuss final recommendations. Please plan to have your review completed by then.

Thank you!
Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
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Anchorage, Alaska
907.786.3532 (office)
907.227.2942 (mobile)

From: Pearce, John <jpearce@usgs.gov>
Sent: Thursday, August 16, 2018 12:43 PM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Christian Zimmerman <czimmerman@usgs.gov>; Grant Hilderbrand <ghilderbrand@usgs.gov>;
Conaway, Jeff <jconaway@usgs.gov>
Subject: FY2019 QRP/SSP final proposals

Hi Wendy,

Attached are final, full proposals for the six studies that FWS requested from USGS in early July. Please let me know if need additional information on any of these proposals.

Best Regards,
John

John M. Pearce, Ph.D.
Supervisory Wildlife Biologist
Manager, Wetland and Terrestrial Ecosystems Office
U.S. Geological Survey, Alaska Science Center
4210 University Drive
Anchorage, Alaska 99508
Tel. 907.786.7094
Email: jpearce@usgs.gov
http://alaska.usgs.gov/staff/staffbio.php?employeeid_173

To: Wendy Loya[wendy_loya@fws.gov]
From: Stephanie Brady
Sent: 2018-08-17T12:57:25-04:00
Importance: Normal
Subject: Fwd: [EXTERNAL] Seismic Exploration Scoping Comments - Arctic National Wildlife Refuge (Delivery Receipt Requested)
Received: 2018-08-17T12:57:51-04:00
[Seismic Exploration Coastal Plain Submitted Scoping Comments 08172018.pdf](#)

Wendy - I am forwarding this email to you as an FYI - I do not know who this person is nor do I know why I am cc:d - but wanted you to see this. Stephanie

stephanie_brady@fws.gov | Branch Chief, Conservation Planning and Policy |
U.S. Fish and Wildlife Service | National Wildlife Refuge System | Alaska |
907.306.7448

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

From: Greg Warren <NSTrail@comcast.net>
Date: Fri, Aug 17, 2018 at 7:15 AM
Subject: [EXTERNAL] Seismic Exploration Scoping Comments - Arctic National Wildlife Refuge (Delivery Receipt Requested)
To: <kmourits@blm.gov>, <blm_ak_coastalplain_EIS@blm.gov>
Cc: <NSTrail@comcast.net>, <stephanie_brady@fws.gov>

FYI The following is a copy of comments submitted on the seismic exploration proposal for the Coastal Plain in the Arctic National Wildlife Refuge. Please encourage the BLM Arctic District Office to improve their public involvement plan for this project, including providing for adequate scoping opportunities. In addition, an automated system should be implemented to demonstrate receipt of comments received. Thank you.

From: Greg Warren [mailto:NSTrail@comcast.net]
Sent: Friday, August 17, 2018 8:50 AM
To: blm_ak_coastal_plain_seismic_ea@blm.gov
Cc: NSTrail@comcast.net
Subject: Seismic Exploration Scoping Comments (Delivery Receipt Requested)

Please find the attached comments regarding seismic exploration on the Coastal Plain in the Arctic National Wildlife Refuge DOI-BLM-AK-R000-2018-0040-EA. Thank you

To: Wendy Loya[wendy_loya@fws.gov]
Cc: Steve Berendzen[steve_berendzen@fws.gov]
From: Joanna Fox
Sent: 2018-08-20T13:27:04-04:00
Importance: Normal
Subject: Re: draft Draft Seismic EA plan?
Received: 2018-08-20T13:27:46-04:00

We're both flexible as well, and good with waiting until we get the document. Will touch bases with you then.

Thanks Wendy,
Joanna

Joanna L. Fox
Deputy Refuge Manager
Arctic National Wildlife Refuge
101 12th Avenue, Room 236
Fairbanks, AK 99701
(907) 456-0549

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www.facebook.com/arcticonationalwildliferefuge

"Do what you can, with what you have, where you are." -- Theodore Roosevelt

On Mon, Aug 20, 2018 at 9:07 AM Wendy Loya <wendy_loya@fws.gov> wrote:

Thanks Steve, we can meet at 930, or if you both are flexible, we could meet as soon as we get the document? It seems like using a similar form as we used for the Leasing EIS to collect comments would be good, not sure if Shelly has a protocol planned.

Dr. Wendy M. Loya, Coordinator
Office of Science Applications -Arctic Program
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On Mon, Aug 20, 2018 at 8:56 AM Berendzen, Steve <steve_berendzen@fws.gov> wrote:

Wendy, I agree that it would be good to get together and discuss. We definitely want to be consistent as you suggest.

Josh is on leave for a couple weeks and won't be involved with this review. I think Joanna and I are both flexible this morning with our time and 9:30 might work well for us - how about you?

Steve Berendzen

0000010093

Refuge Manager, Arctic National Wildlife Refuge
907 456 0253

On Mon, Aug 20, 2018 at 8:21 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Steve, Joanna and Josh,

Should we touch base this morning to discuss a plan for reviewing the Seismic EA draft Draft? This isn't on our full IDT radar, but we want to make sure our comments and the two documents are as consistent as possible. I am around and free most of the day to meet.

Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

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To: Wendy Loya[wendy_loya@fws.gov]
From: Kahn, Lynnda
Sent: 2018-08-20T14:41:27-04:00
Importance: Normal
Subject: Re: 1002 Seismic EA update
Received: 2018-08-20T14:42:12-04:00

Okay Wendy. Thanks. I'll help in any way I can.

Lynnda

On Mon, Aug 20, 2018 at 10:36 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Lynnda,

b6

A large black rectangular redaction box covers the majority of the email body. The only visible text within this redacted area is the label 'b6' in red at the top left corner.

We submitted comments on the draft of the Draft Leasing EIS, and expect to receive the draft of the Draft EA for Seismic today. If you have time this week, we would be grateful for your help in reviewing that. We expect it anytime now from BLM, but don't have more info yet than that.

Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

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From: Kahn, Lynnda <lynnda_kahn@fws.gov>
Sent: Monday, August 20, 2018 10:24 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: 1002 Seismic EA update

0000010095

To: Sarah LaMarr[slamarr@blm.gov]
Cc: Joanna Fox[joanna_fox@fws.gov]; Loya, Wendy[wendy_loya@fws.gov]
From: Berendzen, Steve
Sent: 2018-08-20T18:54:44-04:00
Importance: Normal
Subject: Re: Review of Arctic District Preliminary Seismic EA
Received: 2018-08-20T18:54:51-04:00

Thanks, Sarah - looks like it will keep us occupied for a while..... :)

Steve Berendzen
Refuge Manager, Arctic National Wildlife Refuge
907 456 0253

On Mon, Aug 20, 2018 at 1:36 PM, Sarah LaMarr <slamarr@blm.gov> wrote:

part of ongoing consult w/ BLM



Thanks! sarah
Sarah La Marr
Bureau of Land Management
Arctic District Office
Fairbanks, Alaska
907-474-2334 (desk)
907-888-3407 (cell)
slamarr@blm.gov

To: Joanna Fox[joanna_fox@fws.gov]
From: Wendy Loya
Sent: 2018-08-20T19:27:50-04:00
Importance: Normal
Subject: FW: FWS Coastal Plain DEIS Comments
Received: 2018-08-20T19:28:05-04:00
2018 0817 Final FWS Cover Letter Coastal Plain DEIS Comments (sn).pdf
140L6318F0003 AdminDrftEIS BLM-agency-cmmts 201817 1530 FWS.docx

I apologize for not including you on this Friday.

Dr. Wendy M. Loya,
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From: Wendy Loya <wendy_loya@fws.gov>
Sent: Friday, August 17, 2018 3:55 PM
To: Nicole Hayes <mnhayes@blm.gov>
Cc: Mary Colligan <mary_colligan@fws.gov>; Mitch Ellis <mitch_ellis@fws.gov>; Greg Siekaniec <greg_siekaniec@fws.gov>; Karen Clark <karen_clark@fws.gov>; Sara Boario <sara_boario@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>
Subject: FWS Coastal Plain DEIS Comments

Hi Nicole,

Thank you for the opportunity to review the DEIS. Attached is a letter from Greg Siekaniec and all of our comments in the table format you requested. They are mostly in order by page number, although the sorting is a little off due to the format. Don't hesitate to let me know if you have any questions.

Thank you,

Wendy

Dr. Wendy M. Loya,
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907.227.2942 (mobile)

To: Mary Colligan[mary_colligan@fws.gov]
From: Wendy Loya
Sent: 2018-08-20T20:25:13-04:00
Importance: Normal
Subject: RE: MMM staff for Seismic EA review
Received: 2018-08-20T20:25:21-04:00

Sending instructions out shortly; staff comments due DOB Weds, POCs will collate Thursday am and send to ARDs Thursday p.m. (Mary, Mig Birds, as John T will review for Refuges) Thursday, RD will review Friday.

Asking staff to focus on impacts analysis and keep their editorial comments to a minimum; much shorter document.

Dr. Wendy M. Loya,
Arctic Program Coordinator
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907.227.2942 (mobile)

From: Colligan, Mary <mary_colligan@fws.gov>
Sent: Monday, August 20, 2018 4:21 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: MMM staff for Seismic EA review

I see Patrick has already responded - I was just wondering if the RDT will see the draft EA also?

On Mon, Aug 20, 2018 at 3:21 PM, Wendy Loya <wendy_loya@fws.gov> wrote:
Hi Mary and Patrick,

We just got the draft Draft Seismic EA. The BLM Arctic Field Office has been in sporadic communication with Steve B about it. We did not plan ahead for the review, given the moving timeline as SAE provided changes to their plans, BLM juggles multiple NEPA projects and communications have been primarily among Fairbanks managers. Earlier this summer Arctic Refuge put together a different expert team than we assembled for the EIS, however I am hoping to have our key winter-resources experts from the EIS review the same EA sections for consistency and expertise, including MMMers Ryan, Christopher and Charlie. From FFO, Sarah, Ted and Randy were on the Refuge's EA list, and would continue to be included

I would be grateful for more of their time on this important project if they are available, and do expect there will be some frustration that it wasn't better planned.

It looks like comments go in a similar form as the dDEIS, and are due Friday 24th. Please let me know if you have any concerns with including your staff in the review.

As always, thank you!
Wendy

Dr. Wendy M. Loya,
Arctic Program Coordinator
Office of Science Applications, US Fish and Wildlife Service
Anchorage, Alaska
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Mary Colligan
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