

From: [Vosburgh, Timothy](#)
To: [Stephen Arthur](#)
Cc: [Nichelle \(Shelly\) Jones](#); [Wendy Loya](#)
Subject: caribou discussion
Date: Thursday, August 2, 2018 10:45:37 AM

Hi Stephen,

I would like to set up a conference call soon to discuss new developments with the seismic EA regarding impacts to caribou on the Coastal Plain.

I should be in today and tomorrow.

Tim

907 474-2314

From: [Wendy Loya](#)
To: [Murphy, Karen](#)
Subject: Re: 2020 Budget request....Help! (please)
Date: Thursday, August 9, 2018 9:27:11 AM

I think that sounds good for me, bump Paul up to 6 and josh down to 1

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)

On Aug 9, 2018, at 07:06, Murphy, Karen <karen_a_murphy@fws.gov> wrote:

Welcome back Wendy! I wish you were here so I could hear about your trip. Next week.

If you look at the email chain below, Seth wants an estimate of salary contribution towards Arctic Coastal Plain activities. I was making a guesstimate of 8 months for you, 5 months for Paul, and 4 months for Josh. I think I have heard that both Josh and Paul have had other things that were wrapping up in addition to helping on the 1002 team. Does that seem reasonable? Should everyone be the same?

If you have time to respond to this email today that would be great. If I don't hear from you by COB tomorrow, I will just go with the guesstimates I have above.

T hanks. Good luck with the review. I'm hoping that a lot of your recommendations show up in this draft.

Karen

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

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

From: **Mott, Seth** <seth_mott@fws.gov>
Date: Thu, Aug 9, 2018 at 6:38 AM
Subject: Re: 2020 Budget request....Help! (please)
To: "Murphy, Karen" <karen_a_murphy@fws.gov>
Cc: Benjamin Tuggle <benjamin_tuggle@fws.gov>, Bill Uihlein <Bill_Uihlein@fws.gov>, Craig Czarnecki <craig_czarnecki@fws.gov>, Elsa Haubold <elsa_haubold@fws.gov>, James Broska <james_broska@fws.gov>, Katie Steiger-Meister <katie_steiger-meister@fws.gov>, Ken Elowe <Ken_Elowe@fws.gov>, Larry Rabin <larry_rabin@fws.gov>, Stephen Torbit <Stephen_Torbit@fws.gov>, Deanna Spooner <deanna_spooner@fws.gov>, "Burgett, Jeff" <jeff_burgett@fws.gov>, Debra Schlafmann

<debra_schlafmann@fws.gov>

very little, or none, for the obvious items, like wildlife corridors or work related to energy development in AK. For other items, perhaps one sentence...if I have questions after that I'll call you. Also, it occurs to me R7 likely has some salary costs a tied to the energy work...if so, include a reasonable \$ estimate of that and whether it comes from 1410 or 1420.

On Thu, Aug 9, 2018 at 10:24 AM, Murphy, Karen <karen_a_murphy@fws.gov> wrote:

How much of a project description do you want?

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

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](#)

--

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](#)

From: Christopher Latty
To: wendy_loya@fws.gov
Subject: Fwd: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
Date: Thursday, August 9, 2018 12:17:51 PM

Hi Wendy

It would be great if you could also directly request that Ted Swem review the bird material since he has so much experience in this area.

Thanks much!

Cheers
Chris

Sent from my iPhone

Begin forwarded message:

From: Wendy Loya <wendy_loya@fws.gov>
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 LaKowski <susan_lakowski@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>, [jorgensor^{b6}](mailto:jorgensor@fws.gov), 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**

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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)

<Coastal_Plain_EIS_Vol_I_FWS.pdf>

From: [Jorgensons](#)
To: "[Wendy Loya](#)"
Subject: [EXTERNAL] RE: 1002 DEIS Review: Comment form and instructions for review (email 3 of 3)
Date: Thursday, August 9, 2018 12:28:34 PM

OK, I will try to join meeting by Vidyo. Janet

From: Wendy Loya [mailto:wendy_loya@fws.gov]
Sent: Thursday, August 09, 2018 10:01 AM
To: Paul Leonard; John Trawicki; Randy Brown; Jennifer Reed; Sarah Conn; Hollis Twitchell; Joanna Fox; Peter Butteri; Drew Crane; Christopher Latty; Patrick O'Dell; Carl Johnson; Stephen Arthur; Joshua Ream; Steve Berendzen; Catherine Collins; Susan LaKomski; Edward Decleva; Tim Allen; Ryan Wilson; Ted Swem; Joshua Rose; jorgenson⁵⁶ [REDACTED] Lynnda Kahn; Angela Matz; Charles Hamilton; John Martin
Cc: Mary Colligan; Mitch Ellis; Eric Taylor; Bud Cribley
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)

From: [Johnson, Carl](#)
To: [Wendy Loya](#)
Subject: Re: 1002 DEIS Review: Comment form and instructions for review (email 3 of 3)
Date: Thursday, August 9, 2018 12:31:01 PM

Wendy,

b5-DP
[Redacted content]

Carl

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

Like us on [Facebook!](#)

On Thu, Aug 9, 2018 at 10:01 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

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- 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)

From: [Wendy Loya](#)
To: [Collins, Catherine](#)
Subject: Re: 1002 Team Meeting for Draft EIS Review
Date: Thursday, August 9, 2018 12:56:25 PM

Have to use phone anyway with setup we have in Fairbanks! Sorry for confusion :0!

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

On Aug 9, 2018, at 10:52, Wendy Loya <wendy_loya@fws.gov> wrote:

Can you join by Vidyo instead of phone? If not phone is good :). R7 RO Refuges
Conf Room

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)

On Aug 9, 2018, at 10:31, Collins, Catherine <catherine_collins@fws.gov>
wrote:

Is there a call in number?

Catherine Collins, Environmental Engineer
U.S. Fish and Wildlife Service
Branch of Air and Water Quality Resources
7333 W. Jefferson Ave., Suite 375
Lakewood, CO 80235-2034
303-914-3807
(303) 969-5444 fax
Catherine_Collins@fws.gov

2018-08-09 12:13 GMT-06:00 Wendy Loya
<wendy_loya@fws.gov>:

From: [Campbell, Douglas](#)
To: [Wendy Loya](#)
Cc: [John Trawicki](#)
Subject: Fwd: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
Date: Thursday, August 9, 2018 4:50:33 PM
Attachments: [Coastal Plain EIS Vol I FWS.pdf](#)

Please add John Brewer and me to the review list. There have been some difficulties getting the landownership status and ownership boundaries correct.

Also Appendix A is not in the attached document which has the landownership map referenced in the affected environment section.

Doug Campbell
Chief Division of Realty
U.S. Fish and Wildlife Service
phone: (907) 786-3907
fax: (907) 786-3901

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

From: **Diana Biesanz** <diana_biesanz@fws.gov>
Date: Thu, Aug 9, 2018 at 10:35 AM
Subject: Fwd: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
To: Douglas Campbell <douglas_campbell@fws.gov>

This is that group that you volunteered Susan to be on. She will be reviewing the section on land ownership. I didn't notice your name on the email group on this and if you want, I can ask that they add you so that you are in the loop.



Diana Biesanz
Chief, Realty Operations Branch
U.S. Fish & Wildlife Service
Division of Realty
1011 E. Tudor Road, MS 211
Anchorage, AK 99503

Office Hours: M-F 6:30 a.m. - 3:00 p.m.

(907) 786-3426
diana_biesanz@fws.gov

Need Refuge land status info for Alaska?

Need Refuge land status info for Alaska?
[FWS Region 7 Land Mapper](#) (FWS version)
[FWS Region 7 Land Mapper](#) (Public version)
[Region 7 GeoPDF Map Portal](#)

Wanna know more about [R7 Realty](#) ? (DOI access only)

Have fun in your command. Don't always run at a breakneck pace. Take leave when you've earned it, spend time with your families.
-Colin Powell

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

0000008674

From: **Wendy Loya** <wendy_loya@fws.gov>
Date: Thu, Aug 9, 2018 at 10:02 AM
Subject: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
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_lakowski@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@fws.gov>^{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>

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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

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Wildland Fire: Peter B

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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

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Section 810: Hollis and Josh Ream

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

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Paleontological: Ed

Water Resources: John T

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H. Terrestrial Mammals: Steve A

H. Vegetation and Wetlands: Janet

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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)

From: [Wendy Loya](#)
To: ["Matthew Sturm"](#)
Cc: [Paul Leonard](#)
Subject: DRAFT snow depth ROPs
Date: Thursday, August 9, 2018 5:37:00 PM
Attachments: [DRAFT snow ROPS for 1002.docx](#)

Hi Matthew,

Thank you for your continued advice on how we might work with BLM and industry to ensure seismic operations can get out when there is sufficient snow to protect the tundra. Attached are the draft ROPs in the internal draft of the DraftEIS (getting it ready for public review) that we are reviewing for how snow depth/tundra opening will be established. I hope that Melissa Head will also be reviewing these for the State as another cooperating agency. The column on the left (Alt B and C) reflects the language for NPRA. The column on the right, Alt D, reflects what I attempted to create from our previous emails and conversations. I have until next Tuesday COB to refine them in our comments back to BLM.

I welcome your comments and feedback.

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: [Wendy Loya](#)
To: [John Trawick](#); [Drew Crane](#); [Steve Berendzen](#); [Joshua Rose](#); [Joanna Fox](#)
Cc: [Mary Colligan](#); [Mitch Ellis](#); [Doug Damberg](#); [Socheata Lor](#); [Todd Hopkins](#)
Subject: Sharing the DEIS with staff not on 1002 team: please don't
Date: Friday, August 10, 2018 10:36:00 AM

Dear POCs,

Please route all requests for further access to the DEIS through me. It has become clear that staff are sharing it with colleagues not on our IDT team, and I feel very concerned that those that don't know how much effort we have put into our effort to establish trust and credibility in this process can undo that. I was reluctant to send out the entire document, but given the short turnaround and complexity, it was not possible. Our draft is watermarked FWS.

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: [Wendy Loya](#)
To: [Douglas Campbell](#); [Diana Biesanz](#)
Cc: [John Trawicki](#)
Subject: RE: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
Date: Friday, August 10, 2018 10:41:00 AM

Hi Doug,

If you think we can work through the landownership status difficulties by next week when our review is due, let's get a meeting on the calendar to address the issues. If not, then let's put that on the to-do list for a meeting (with BLM?) the week after.

I would like access to the DEIS to be restricted to our identified 1002 team given the sensitivity of the program, but of course if we need to sit down and look at things let's do that. We can also extract the maps you need, or if it is all of them, let's identify that need clearly and we'll add you and John to the list.

Please do not share the volume you have further.

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: Campbell, Douglas <douglas_campbell@fws.gov>
Sent: Thursday, August 9, 2018 2:50 PM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: John Trawicki <john_trawicki@fws.gov>
Subject: Fwd: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)

Please add John Brewer and me to the review list. There have been some difficulties getting the landownership status and ownership boundaries correct.

Also Appendix A is not in the attached document which has the landownership map referenced in the affected environment section.

Doug Campbell
Chief Division of Realty
U.S. Fish and Wildlife Service
phone: (907) 786-3907
fax: (907) 786-3901

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

From: **Diana Biesanz** <diana_biesanz@fws.gov>
Date: Thu, Aug 9, 2018 at 10:35 AM
Subject: Fwd: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
To: Douglas Campbell <douglas_campbell@fws.gov>

This is that group that you volunteered Susan to be on. She will be reviewing the section on land ownership. I didn't notice your name on the email group on this and if you want, I can ask that they add you so that you are in the loop.



Diana Biesanz
Chief, Realty Operations Branch
U.S. Fish & Wildlife Service
Division of Realty
1011 E. Tudor Road, MS 211
Anchorage, AK 99503

Office Hours: M-F 6:30 a.m. - 3:00 p.m.

(907) 786-3426
diana_biesanz@fws.gov

Need Refuge land status info for Alaska?

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[FWS Region 7 Land Mapper](#) (FWS version)
[FWS Region 7 Land Mapper](#) (Public version)
[Region 7 GeoPDF Map Portal](#)

Wanna know more about R7 Realty? (DOI access only)

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-Colin Powell

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

From: **Wendy Loya** <wendy_loya@fws.gov>
Date: Thu, Aug 9, 2018 at 10:02 AM
Subject: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
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@fws.gov>, 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>

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.

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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.

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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
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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)

From: [Campbell, Douglas](#)
To: [Wendy Loya](#)
Subject: Re: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
Date: Friday, August 10, 2018 11:49:14 AM

I understand the direction not to share the document and will absolutely adhere to it.

I'm open to what ever is the best and most effective way to insure that our input gets in on time.

Beginning with the Tax Bill (and the maps that went along with it) there continually has been misunderstanding and inaccuracies in landownership of surface estate and oil and gas especially regarding ASRC, KIC, Native allotments and the coastal boundary of the refuge.

Last week I was in a meeting with BLM to discuss these concerns. It included their lead on the EIS, one of their oil and gas staff, their head of the GIS section and fortunately the most experienced lands conveyance/status BLM staff. It took an hour to explain the complexities of the ownership etc. I think but am not certain, with the exception one issue that needs to be addressed in the near future, they now understand the ownership etc.

The outstanding issue is the coastal boundary of the refuge. If you are not familiar with it we can get together at your convenience.

Doug Campbell
Chief Division of Realty
U.S. Fish and Wildlife Service
phone: (907) 786-3907
fax: (907) 786-3901

On Fri, Aug 10, 2018 at 8:41 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Doug,

If you think we can work through the landownership status difficulties by next week when our review is due, let's get a meeting on the calendar to address the issues. If not, then let's put that on the to-do list for a meeting (with BLM?) the week after.

I would like access to the DEIS to be restricted to our identified 1002 team given the sensitivity of the program, but of course if we need to sit down and look at things let's do that. We can also extract the maps you need, or if it is all of them, let's identify that need clearly and we'll add you and John to the list.

Please do not share the volume you have further.

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: Campbell, Douglas <douglas_campbell@fws.gov>

Sent: Thursday, August 9, 2018 2:50 PM

To: Wendy Loya <wendy_loya@fws.gov>

Cc: John Trawicki <john_trawicki@fws.gov>

Subject: Fwd: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)

Please add John Brewer and me to the review list. There have been some difficulties getting the landownership status and ownership boundaries correct.

Also Appendix A is not in the attached document which has the landownership map referenced in the affected environment section.

Doug Campbell

Chief Division of Realty

U.S. Fish and Wildlife Service

phone: (907) 786-3907

fax: (907) 786-3901

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

From: **Diana Biesanz** <diana_biesanz@fws.gov>

Date: Thu, Aug 9, 2018 at 10:35 AM

Subject: Fwd: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)

To: Douglas Campbell <douglas_campbell@fws.gov>

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Date: Thu, Aug 9, 2018 at 10:02 AM

Subject: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)

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

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<steve_berendzen@fws.gov>, Catherine Collins <catherine_collins@fws.gov>, Susan LaKomski <susan_lakowski@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@fws.gov>, 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>
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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)

From: [Wendy Loya](#)
To: [Roger Kaye](#)
Cc: [John Trawicki](#); [Steve Berendzen](#); [Joanna Fox](#)
Subject: 1002 DEIS Review: Comment form and instructions for review (email 2 of 2)
Date: Friday, August 10, 2018 1:19:00 PM
Attachments: [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.

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- Consistency of impact analysis between resource topic areas.

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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)

From: [Wendy Loya](#)
To: [Stephanie Brady](#)
Cc: [John Trawicki](#)
Subject: DEIS Review sections
Date: Friday, August 10, 2018 4:14:00 PM

Hey Stephanie,

I didn't have time yesterday to be more specific on how you might help us with the 1002 DEIS Review. It seems to me that your expertise is in the structure and function of EISes and making them effective, so if you could look at the Introduction, especially how the Purpose and Need is framed, and then pages 2.1-2.3 of the Alternatives to make sure that each Alternative does in fact fit the purpose and need (including protection of all 5 purposes of the Refuge), that would help us with the big picture comments and making the EIS as successful as possible.

In Volume II, we would welcome your review of any sections you felt you could contribute to. Appendix D and M in particular, and I am not sure if you have expertise in Sec 810 (app C)?

I provided the comment form in email #3 yesterday, and by COB today I will send out a google doc that we can use to capture bigger picture comments that may not refer to a particular page/line.

Let me know if you would like to contribute in other ways, or just do what you feel is best, and we'll look forward to that input as we collate comments next week!

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)

From: [Stephanie Brady](#)
To: [Wendy Loya](#)
Cc: [John Trawicki](#)
Subject: Re: DEIS Review sections
Date: Friday, August 10, 2018 4:52:02 PM

Thanks Wendy for the email - I will take a look at chapter 1/2 - and the Appendices you suggested. 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

On Fri, Aug 10, 2018 at 2:14 PM Wendy Loya <wendy_loya@fws.gov> wrote:

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Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.277.2942 (mobile)

From: [Susan LaKowski](#)
To: [Wendy Loya](#)
Subject: My comments - DEIS Coastal Plain
Date: Friday, August 10, 2018 5:25:02 PM
Attachments: [AdminDrftEIS_BLM-agency-cmmts_20180809_LakowskiS.docx](#)

Attached are my comments. Thank you!



Susan LaKowski

Realty Specialist
(907) 786-3566

susan_lakowski@fws.gov

U.S. Fish & Wildlife Service
Division of Realty
1011 E. Tudor Road, MS-211
Anchorage, AK 99503

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[Region 7 GeoPDF Map Portal](#)

From: [Johnson, Carl](#)
To: [Wendy Loya](#)
Subject: Re: 1002 DEIS Review: Navigating errors and Stips/ROPs (email #4)
Date: Monday, August 13, 2018 9:47:18 AM

b5-DP




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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On Fri, Aug 10, 2018 at 4:36 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi 1002 team,

There are definitely some confusing errors in the DEIS, including references to maps that don't exist and confusing numbering of ROPs in Table 2; hopefully they won't complicate your review too much. For example, ROPs go from being numbered continuously to having letter precursors by activity category, as we saw in NPRA Table 2.3. To help you sort through Stips and BMPs/ROPs for your resource, I am attaching what were our last recommended edits to stipulations; some of these may have changed slightly since you worked on them around the workshop, but I believe I was able to consult most of you about proposed changes before sending to BLM.

Also, if you feel that Alt B and C are inadequate in protecting a resource, please refer to the NPRA Table 2.3 (attached) to make a recommendation on what protections should be included. A couple of examples: if there is "No similar objective or requirement" for Alt B and C, but there is a requirement for NPRA, simply comment that "ROP X should include the same requirements as indicated for NPRA (and list)" or "For ROP X, Alt B and C should at least include requirements a, d and e from Alt D to meet purpose 1 and 4 of the Arctic NWR."

Thanks for all the great effort and questions already, you all are an impressive team!

Wendy

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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: [Trawicki, John](#)
To: [Wendy Loya](#); [Drew Crane](#); [Paul Leonard](#); [Steve Berendzen](#); [Joanna Fox](#); [Joshua Rose](#)
Subject: links
Date: Monday, August 13, 2018 9:52:50 AM

Below are links to the [NPRA](#) and [GMT2 EIS](#) that are often referenced.

--

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

From: [Burkart, Greta](#)
To: [Wendy Loya](#)
Cc: [John Trawicki](#); [Joanna Fox](#)
Subject: Fwd: Review
Date: Monday, August 13, 2018 10:22:12 AM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_fws_it.docx](#)

Hi Wendy,

I am back on government email as a volunteer. John asked me to review the water section of the EIS and explained the importance of keeping all documents safe from public access so that USFWS can continue to be partners on the EIS and other efforts. I will do whatever it takes to help. Can you send me anything that I will need to review the EIS and let me know when the review is needed?

Thanks,

Greta

Greta Burkart, PhD
Aquatic Ecologist
US Fish and Wildlife Service
Arctic National Wildlife Refuge and Alaska Refuges Inventory and Monitoring Program
101 12 th Ave Rm 236
Fairbanks, AK 99701
ph: (907) 456-0519
fax: (907) 456-0428
email: greta_burkart@fws.gov
www.facebook.com/arcticonationalwildliferefuge

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

From: **Trawicki, John** <john_trawicki@fws.gov>
Date: Mon, Aug 13, 2018 at 7:49 AM
Subject: Review
To: Greta Burkart <Greta_Burkart@fws.gov>

Hi Greta-

Hope you are able to get up and running. Wendy should have sent the EIS to you. There are two volumes. I would recommend starting in volume 2, appendices E, M. In volume 1, chapter 2 (stips and rops), and chapter 3.2.10.

The tables in Appendix G that go along with chapter 3.2.10 are a mess, numbered wrong.... do not spend much time working on the tables. concentrate on the effects.

Below are links to the [NPRA](#) and [GMT2 EIS](#) that are often referenced. I am also including my edits to date. Please work in your own table, but this may help you get started and focus on areas I have not.

Call me or email when you are up and running,

Thank you Greta

--

John Trawicki
Water Resources Branch Chief
National Wildlife Refuge System, Alaska
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Work: (907) 786-3474
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From: [Wendy Loya](#)
To: [Roger Kaye](#)
Subject: FW: 1002 DEIS Review: Comment form and instructions for review (email 3 of 3)
Date: Monday, August 13, 2018 10:33:00 AM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808.docx](#)

Here you go Roger!

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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)

From: [Wendy Loya](#)
To: ["greta_burkart@fws.gov"](mailto:greta_burkart@fws.gov)
Subject: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
Date: Monday, August 13, 2018 10:47:00 AM
Attachments: [Coastal Plain EIS Vol I FWS.pdf](#)

I'll get your email right eventually!

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

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 is 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)

From: [Wendy Loya](#)
To: ["greta_burkart@fws.gov"](mailto:greta_burkart@fws.gov)
Subject: 1002 DEIS Review: Comment form and instructions for review (email 3 of 3)
Date: Monday, August 13, 2018 10:48:00 AM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808.docx](#)

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)

From: [Wendy Loya](#)
To: ["greta_burkart@fws.gov"](mailto:greta_burkart@fws.gov)
Subject: 1002 DEIS Review: Volume 2 (email 2 of 3)
Date: Monday, August 13, 2018 10:48:00 AM
Attachments: [Coastal Plain EIS Vol II FWS.pdf](#)

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)

From: [Wendy Loya](#)
To: ["greta_burkart@fws.gov"](mailto:greta_burkart@fws.gov)
Subject: 1002 DEIS Review: Navigating errors and Stips/ROPs (email #4)
Date: Monday, August 13, 2018 10:49:00 AM
Attachments: [Table 2.3 Stips ROPS BMS Vol1 NPR-A Final IAP FEIS.pdf](#)
[Arctic Refuge Coastal Plain DRAFT Table of Stips and BMPs 072418.docx](#)

Hi 1002 team,

There are definitely some confusing errors in the DEIS, including references to maps that don't show up in bookmarks and confusing numbering of ROPs in Table 2; hopefully they won't complicate your review too much. For example, ROPs go from being numbered continuously to having letter precursors by activity category, as we saw in NPRA Table 2.3. To help you sort through Stips and BMPs/ROPs for your resource, I am attaching what were our last recommended edits to stipulations; some of these may have changed slightly since you worked on them around the workshop, but I believe I was able to consult most of you about proposed changes before sending to BLM.

Also, if you feel that Alt B and C are inadequate in protecting a resource, please refer to the NPRA Table 2.3 (attached) to make a recommendation on what protections should be included. A couple of examples: if there is "No similar objective or requirement" for Alt B and C, but there is a requirement for NPRA, simply comment that "ROP X should include the same requirements as indicated for NPRA (and list)" or "For ROP X, Alt B and C should at least include requirements a, d and e from Alt D to meet purpose 1 and 4 of the Arctic NWR."

Thanks for all the great effort and questions already, you all are an impressive team!

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: [Conn, Sarah](#)
To: [Wendy Loya](#); [Crane, Drew](#)
Subject: Fwd: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
Date: Monday, August 13, 2018 3:19:43 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_ConnS.docx](#)

Hi Wendy and Drew,

As requested I reviewed the following section of the DEIS:

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

My comments on this section are provided on the comment form (see attached file). I have flagged for Refuges an area they may wish to provide additional input on (and I gave Steve B. a heads up on it).

Thanks,

Sarah

From: [Wendy Loya](#)
To: [Sarah Conn](#); [Drew Crane](#)
Subject: RE: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)
Date: Monday, August 13, 2018 3:23:00 PM

Thank you Sarah! Since you are done so early feel free to look at other sections that look interesting
😊

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: Conn, Sarah <sarah_conn@fws.gov>
Sent: Monday, August 13, 2018 1:20 PM
To: Wendy Loya <wendy_loya@fws.gov>; Crane, Drew <drew_crane@fws.gov>
Subject: Fwd: 1002 DEIS Review: Overview and Vol 1 (email 1 of 3)

Hi Wendy and Drew,

As requested I reviewed the following section of the DEIS:

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

My comments on this section are provided on the comment form (see attached file). I have flagged for Refuges an area they may wish to provide additional input on (and I gave Steve B. a heads up on it).

Thanks,

Sarah

From: [Wendy Loya](#)
To: [Leonard, Paul](#)
Subject: Fwd: Suggested ROPs for Seismic EA
Date: Monday, August 13, 2018 3:55:42 PM
Attachments: [Suggested ROPS WINTER OPERATIONS Coastal Plain 071718_sfritz_dnigro.docx](#)

See the attached for some other feedback on winter tundra travel from BLM staff as we prepare DEIS comments

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)

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

From: **Nigro, Debora** <dnigro@blm.gov>
Date: Wed, Jul 25, 2018 at 8:20 AM
Subject: Re: Suggested ROPs for Seismic EA
To: Stacey Fritz <sfritz@blm.gov>
Cc: Shelly W Jones <njones@blm.gov>, Timothy Vosburgh <tvosburgh@blm.gov>, Whitman, Matt S <mwhitman@blm.gov>, Richard Kemnitz <rkemnitz@blm.gov>, Wendy Loya <wendy_loya@fws.gov>

Additional edits.

On Tue, Jul 24, 2018 at 6:03 PM, Stacey Fritz <sfritz@blm.gov> wrote:

I made a couple small editorial suggestions and added some potential seismic specific subsistence ROPs.

On Tue, Jul 24, 2018 at 3:39 PM Jones, Nichelle (Shelly) <njones@blm.gov> wrote:

Let me know what you think of these suggested ROPs. Particularly if you think your CH. 4 analysis will support this or not.

-Shelly

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

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

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

From: **Wendy Loya** <wendy_loya@fws.gov>
Date: Tue, Jul 17, 2018 at 3:28 PM

Subject: Suggested ROPs for Seismic EA

To: "Nichelle (Shelly) Jones" <njones@blm.gov>, Donna Wixon <dwixon@blm.gov>, Sarah LaMarr <slamarr@blm.gov>

Cc: Joshua Rose <joshua_rose@fws.gov>, Joanna Fox <joanna_fox@fws.gov>, Steve Berendzen <steve_berendzen@fws.gov>

Hi Shelly, Donna and Sarah,

Attached are the draft ROPs

b5-DP
[Redacted]

These should remain for internal consideration while we work towards the alternatives in the EA.

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)

--

Stacey Fritz, PhD
Anthropologist/Subsistence Specialist
Bureau of Land Management Arctic District Office
Phone: (907) 474-2309; Cell: (907) 687-6549; Email: sfritz@blm.gov
Mail: 222 University Ave., Fairbanks, AK, 99709
[BLM NPR-A News Facebook Page](#)

--

Debbie Nigro
Bureau of Land Management
222 University Ave.
Fairbanks, AK 99709
907-474-2324
dnigro@blm.gov

From: [Wendy Loya](#)
To: [Joshua Rose](#)
Subject: FW: Suggested ROPs for Seismic EA
Date: Wednesday, July 25, 2018 12:37:00 AM
Attachments: [Suggested ROPS WINTER OPERATIONS Coastal Plain 071718_sfritz.docx](#)

For you to track while I am away ☺

Have fun!

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: Stacey Fritz <sfritz@blm.gov>
Sent: Tuesday, July 24, 2018 6:04 PM
To: Shelly W Jones <njones@blm.gov>
Cc: Timothy Vosburgh <tvosburgh@blm.gov>; Whitman, Matt S <mwhitman@blm.gov>; Debbie A Nigro <dnigro@blm.gov>; Richard Kemnitz <rkemnitz@blm.gov>; Wendy Loya <wendy_loya@fws.gov>
Subject: Re: Suggested ROPs for Seismic EA

I made a couple small editorial suggestions and added some potential seismic specific subsistence ROPs.

On Tue, Jul 24, 2018 at 3:39 PM Jones, Nichelle (Shelly) <njones@blm.gov> wrote:

Let me know what you think of these suggested ROPs. Particularly if you think your CH. 4 analysis will support this or not.

-Shelly

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

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

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

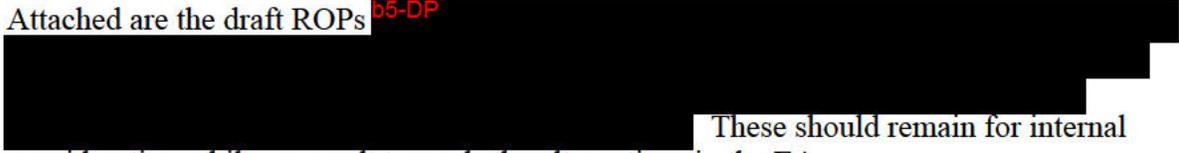
From: **Wendy Loya** <wendy_loya@fws.gov>
Date: Tue, Jul 17, 2018 at 3:28 PM
Subject: Suggested ROPs for Seismic EA
To: "Nichelle (Shelly) Jones" <njones@blm.gov>, Donna Wixon <dwixon@blm.gov>,

Sarah LaMarr <slamarr@blm.gov>

Cc: Joshua Rose <joshua_rose@fws.gov>, Joanna Fox <joanna_fox@fws.gov>, Steve Berendzen <steve_berendzen@fws.gov>

Hi Shelly, Donna and Sarah,

Attached are the draft ROPs b5-DP



These should remain for internal consideration while we work towards the alternatives in the EA.

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)

--

Stacey Fritz, PhD
Anthropologist/Subsistence Specialist
Bureau of Land Management Arctic District Office
Phone: (907) 474-2309; Cell: (907) 687-6549; Email: sfritz@blm.gov
Mail: 222 University Ave., Fairbanks, AK, 99709
[BLM NPR-A News Facebook Page](#)

From: [Wendy Loya](#)
To: "Jorgensons"
Subject: RE: [EXTERNAL] RE: 1002 DEIS Review: Comment form and instructions for review (email 3 of 3)
Date: Monday, August 13, 2018 4:25:00 PM
Attachments: [veg and wetlands.pdf](#)
[soils.pdf](#)
[Physiography.pdf](#)

Hi Janet,

Attached are three extracted PDFs that I believe you can copy and paste from to create your edits. Happy to help with more to facilitate your review.

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: Jorgensons <jorgenson[REDACTED]>
Sent: Thursday, August 9, 2018 10:28 AM
To: 'Wendy Loya' <wendy_loya@fws.gov>
Subject: [EXTERNAL] RE: 1002 DEIS Review: Comment form and instructions for review (email 3 of 3)

OK, I will try to join meeting by Vidyo. Janet

From: Wendy Loya [mailto:wendy_loya@fws.gov]
Sent: Thursday, August 09, 2018 10:01 AM
To: Paul Leonard; John Trawicki; Randy Brown; Jennifer Reed; Sarah Conn; Hollis Twitchell; Joanna Fox; Peter Butteri; Drew Crane; Christopher Latty; Patrick O'Dell; Carl Johnson; Stephen Arthur; Joshua Ream; Steve Berendzen; Catherine Collins; Susan LaKowski; Edward Decleva; Tim Allen; Ryan Wilson; Ted Swem; Joshua Rose; [jorgenson\[REDACTED\]](#) Lynnda Kahn; Angela Matz; Charles Hamilton; John Martin
Cc: Mary Colligan; Mitch Ellis; Eric Taylor; Bud Cribley
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:

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- 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)

From: [Joanna Fox](#)
To: [Wendy Loya](#)
Cc: [Joshua Rose](#)
Subject: Re: Review comment collation?
Date: Monday, August 13, 2018 4:32:22 PM

Hi Wendy,

I just spoke with Josh and he is available to help with that task - so for now I'm going to delegate that to him. He will be able to devote all of his time to this Wednesday, whereas I will no doubt be pulled in multiple directions in Steve's absence. If there are some smaller portions I can assist with to help you guys get the job done, I'm sure willing to do what I can.

Thanks!
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 Mon, Aug 13, 2018 at 12:35 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Hey Joanna,

I know Steve is out Wednesday. Are you available/interested in working with John, Drew and I on how to collate/edit the comments coming in from staff? We aren't exactly sure how that is going to look, hopefully we can sort by page number for most comments and determine where there is overlap. We'll plan to meet at 8am to look at the full list and make a plan, and then hopefully divide and conquer. Hope you and/or Josh could join the team... 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: [Kaye, Roger](#)
To: [Wendy Loya](#); [John Trawicki](#); [Steve Berendzen](#)
Subject: EIS comments
Date: Monday, August 13, 2018 6:05:39 PM
Attachments: [EIS ch 3 commets -Kaye.docx](#)

Hi. Attached are my comments. I will send in one other tomorrow.

	<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>
--	---

From: [Brown, Randy](#)
To: [Wendy Loya](#); [Crane, Drew](#); [John Trawicki](#)
Subject: Randy's comments on EIS
Date: Monday, August 13, 2018 7:10:58 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_RJB_comments.docx](#)

Hi Wendy and all,

Attached are my comments on the fish section and some of the water resources as they relate to fish and fish habitat. I'm on Jury Duty tomorrow through Thursday so figured to send it in now. I may be able to deal with some more material tomorrow afternoon if I'm let off early, but I can't count on that. I'll definitely check my e-mail tomorrow late afternoon or evening.

Later,
Randy

--

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>

From: [Reed, Jennifer](#)
To: [Roger Kaye](#); [Leonard, Paul](#); [Steve Berendzen](#)
Cc: [Wendy Loya](#); [Joanna Fox](#)
Subject: Reed"s comments on DEIS attached
Date: Monday, August 13, 2018 8:03:30 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_ReedJ.docx](#)

I'm sending you my comments now because I will be traveling to Kaktovik early on August 14. To help facilitate coordination on topics, I invite you to please feel free to call me at the Kaktovik bunkhouse after 10:30 am at 907-640-6320 if you want to discuss any of my comments.

Thank you!

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.

From: [Angela Matz](#)
To: [Wendy Loya](#)
Subject: my comments on draft Coastal Plain OII and Gas Leasing Program EIS attached
Date: Monday, August 13, 2018 8:05:56 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_Matz.docx](#)

Thank you!

--

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*

From: [Berendzen, Steve](#)
To: [Loya, Wendy](#)
Subject: Comment on Draft EIS
Date: Monday, August 13, 2018 9:21:21 PM
Attachments: [SBerendzenEIScomments.docx](#)

Wendy,

My review wasn't nearly as thorough as I had hoped to do, but the time constraints prevented the review that would be warranted for such an extensive document and proposed activities. I worked all weekend on it at the expense of my home life, and I have to submit it now since I'll be traveling to Kaktovik tomorrow for Village meetings. I hope the attached comments are clear in their intended concerns.

I reviewed additional sections including Landownership and Use, Subsistence, Sociocultural Systems, and Environmental Justice; I did this since Hollis Twitchell could not schedule any time to review this document during this short review period due to prior work commitments that included his weekend. Hollis is our subject matter expert for these topics and my knowledge is limited relative to his, but I have no one else on staff with this knowledge base.

One observation

b5-DP

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

From: [Wendy Loya](#)
To: [Jennifer Reed](#)
Subject: RE: Reed's comments on DEIS attached
Date: Tuesday, August 14, 2018 10:53:00 AM

Thanks Jen, we will be in touch if we need to clarify anything or ask for your further expertise.

Enjoy Kaktovik!

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: Reed, Jennifer <jennifer_reed@fws.gov>
Sent: Monday, August 13, 2018 6:03 PM
To: Roger Kaye <Roger_Kaye@fws.gov>; Leonard, Paul <paul_leonard@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>
Cc: Wendy Loya <wendy_loya@fws.gov>; Joanna Fox <joanna_fox@fws.gov>
Subject: Reed's comments on DEIS attached

I'm sending you my comments now because I will be traveling to Kaktovik early on August 14. To help facilitate coordination on topics, I invite you to please feel free to call me at the Kaktovik bunkhouse after 10:30 am at 907-640-6320 if you want to discuss any of my comments.

Thank you!

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.

From: [Berendzen, Steve](#)
To: [Nicole Hayes](#)
Cc: [Loya, Wendy](#)
Subject: G2G Meetings?
Date: Tuesday, August 14, 2018 11:36:58 AM

Nicole,

Wendy said that you might want me to attend the G2G meetings in Arctic Village, Kaktovik and Fort Yukon? I've held those dates open, but would like to confirm them. Is Hollis invited also? I'm not sure which ones he might be able to attend, but I expect he'll be interested and helpful.

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

From: [Edward Decleva](#)
To: [Wendy Loya](#)
Subject: 1002 DEIS: DeCleva review
Date: Tuesday, August 14, 2018 11:41:39 AM
Attachments: [140L6318F0003_AdminDrftEIS_USFWS-agency-cmmts_20180814_DeClevaE.docx](#)

Hi Wendy,

I have reviewed Paleontological and Cultural resources sections in Chapter 3, the paleontological map in Appendix A, Appendix F, and Paleontological and Cultural resources sections in Appendix M.

My review comments are attached.

Thank you, Ed

Edward J. DeCleva
Regional Historic Preservation Officer
U.S. Fish and Wildlife Service, Alaska Region
1011 E Tudor Rd, MS-235
Anchorage, AK 99503

edward_decleva@fws.gov
907-786-3399

From: [Wendy Loya](#)
To: [Edward Decleva](#)
Subject: Re: 1002 DEIS: DeCleva review
Date: Tuesday, August 14, 2018 11:43:29 AM

Thank you, Ed. We appreciate your help!
Wendy

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 9:41 AM Edward Decleva <edward_decleva@fws.gov> wrote:
Hi Wendy,

I have reviewed Paleontological and Cultural resources sections in Chapter 3, the paleontological map in Appendix A, Appendix F, and Paleontological and Cultural resources sections in Appendix M.

My review comments are attached.

Thank you, Ed

Edward J. DeCleva
Regional Historic Preservation Officer
U.S. Fish and Wildlife Service, Alaska Region
1011 E Tudor Rd, MS-235
Anchorage, AK 99503

edward_decleva@fws.gov
907-786-3399

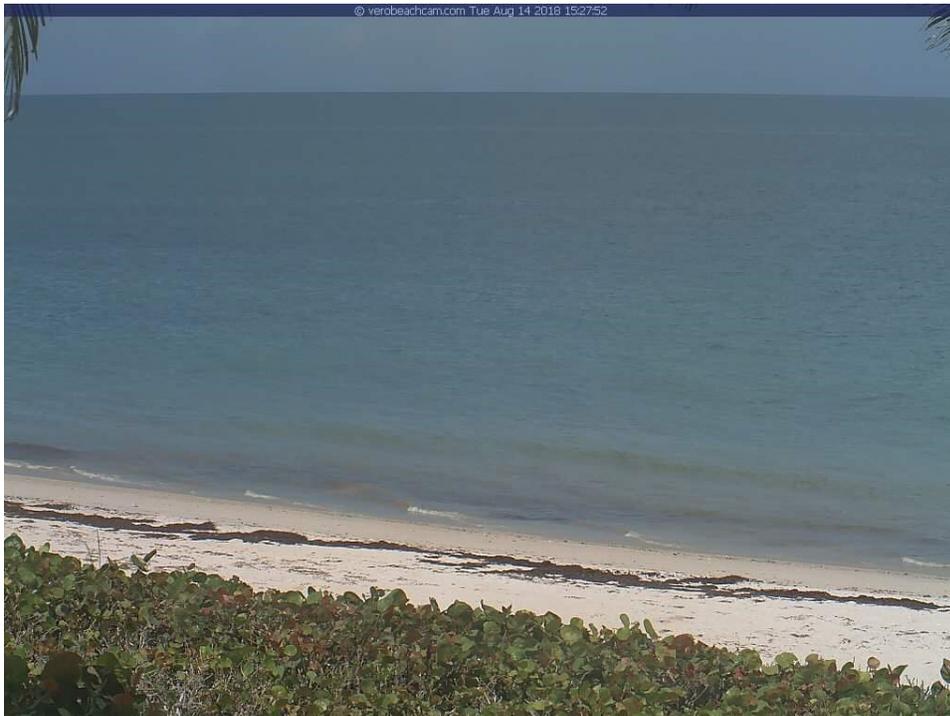
From: [Todd Hopkins](#)
To: [Wendy Loya](#)
Subject: Comments on EIS
Date: Tuesday, August 14, 2018 1:30:02 PM
Attachments: [image.png](#)
[140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_THopkins.docx](#)

Hey there,

Heard you might have had a wet/snowy pack-raft trip - bummer!! I only found one item to comment on that was "high level." - see attached file. I stayed out of the stuff the subject matter experts would comment on but I actually read the whole darn thing - whew!!

Just to cheer you up, here's a shot of the beach webcam this afternoon (about 200 yards from my townhouse)

Todd



=====

Todd E. Hopkins, Ph.D.

Science Applications Program

U.S. Fish and Wildlife Service

1339 20th Street

Vero Beach, FL 32960-3559

Off: (772) 469-4289

Cell: (772) 584-2594

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

From: [Allen, Tim](#)
To: [Wendy Loya](#)
Cc: [Collins, Catherine](#)
Subject: Internal DEIS comments from FWS, BAWR
Date: Tuesday, August 14, 2018 1:47:02 PM
Attachments: [140L6318F0003 AdminDrftEIS BLM-agency-cmmts 20180814 FWS Air Quality.docx](#)

Hi Wendy,

Attached are our comments on the Internal DEIS for Alaska 1002, Arctic Refuge Oil/Gas documents.

We are experiencing power issues within the building. Our phones are not working and we have limited access to email. If there are issues, please contact us on our personal cell phones at:

Tim Allen ^{b6} [REDACTED]

Catherine Collins ^{b6} [REDACTED]

Thank you,
Catherine and Tim

--

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

From: [Wendy Loya](#)
To: [Tim Allen](#)
Cc: [Catherine Collins](#)
Subject: RE: Internal DEIS comments from FWS, BAWR
Date: Tuesday, August 14, 2018 1:48:00 PM

Thank you both so much for your help!

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: Allen, Tim <tim_allen@fws.gov>
Sent: Tuesday, August 14, 2018 11:47 AM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Collins, Catherine <catherine_collins@fws.gov>
Subject: Internal DEIS comments from FWS, BAWR

Hi Wendy,

Attached are our comments on the Internal DEIS for Alaska 1002, Arctic Refuge Oil/Gas documents.

We are experiencing power issues within the building. Our phones are not working and we have limited access to email. If there are issues, please contact us on our personal cell phones at:

Tim Allen b6

Catherine Collins b6

Thank you,
Catherine and Tim

--

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

From: [Arthur, Stephen](#)
To: [Wendy Loya](#)
Subject: Re: 1002 DEIS Review: Comment form and instructions for review (email 3 of 3)
Date: Tuesday, August 14, 2018 2:08:59 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_SA.docx](#)

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)

From: [O'Dell, Patrick](#)
To: [Wendy Loya](#)
Subject: O'Dell Review of Leasing EIS Sections
Date: Tuesday, August 14, 2018 3:47:42 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_ODell.docx](#)

Hi Wendy,

See attached specific comments for the Section you ID'd for my review. Most are minor, but

b5 - DP
[Redacted]

Generally though, I have an observation that might serve our management of the refuge...

b5 - DP
[Redacted]

Good luck Wendy...let me know if you have any question of need additional information...

Pat O'Dell
Petroleum Engineer
National Wildlife Refuge System
Division of Natural Resources
Office: 303-236-4365
Mobile: 303-667-7359
patrick_odell@fws.gov

From: [Joanna Fox](#)
To: [Wendy Loya](#)
Cc: [Steve Berendzen](#)
Subject: DRAFT EIA comments
Date: Tuesday, August 14, 2018 3:53:08 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808.docx](#)

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

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

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

From: [Rose, Joshua](#)
To: [Wendy Loya](#)
Subject: EIS comments
Date: Tuesday, August 14, 2018 4:24:36 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_Jrose_comments2.docx](#)

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

From: [Stephanie Brady](#)
To: [Wendy Loya](#)
Subject: Attached comments on the Arctic DEIS
Date: Tuesday, August 14, 2018 5:06:59 PM
Attachments: [Arctic NWR oil and gas DEIS SBrady comments.docx](#)

Please let me know if you need any clarification or if you need anything further from me. 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

From: [Ryan Wilson](#)
To: [Wendy Loya](#)
Subject: 1002 Draft EIS Comments
Date: Tuesday, August 14, 2018 5:15:16 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_WilsonR.docx](#)

Dr. Wendy Loya,

Please see the attached document that includes my comments on the draft 1002 EIS. Please let me know if you have any questions.

Sincerely,

Dr. Ryan R. Wilson

--

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

From: [Crane, Drew](#)
To: [Wendy Loya](#)
Subject: Comments on 1002 DEIS
Date: Tuesday, August 14, 2018 5:24:42 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_DC.docx](#)

Hi Wendy,

Attached are my comments on the DEIS. I tried to focus on bigger picture things, but some of my comments are a little weedy.

Chat with you tomorrow.

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

From: [Martin, John](#)
To: [Wendy Loya](#)
Cc: [Stephanie Brady](#); [John Trawicki](#)
Subject: DEIS Leasing Review: resubmittal - disregard previous submission
Date: Tuesday, August 14, 2018 5:35:39 PM
Attachments: [Coastal Plain Oil & Gas Leasing DEIS Review Matrix JWM14Aug2018FINALSUBMIT.docx](#)
[Riley Ridge Illustrative Examples.pdf](#)
[Consideration of Past Actions in Cumulative Effects CEQ2005.pdf](#)

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

From: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: john t comments
Date: Tuesday, August 14, 2018 6:15:43 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_fws_jt.docx](#)

could keep going, but

--

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

From: [Johnson, Carl](#)
To: [Wendy Loya](#)
Cc: [Joshua Ream](#); [Hardin, Jennifer](#); [Thomas Doolittle](#)
Subject: OSM Comments on Draft EIS
Date: Tuesday, August 14, 2018 6:36:34 PM
Attachments: [AdminDrftEIS_BLM-agency-cmmts_OSM.docx](#)

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

Like us on [Facebook!](#)

From: [Leonard, Paul](#)
To: [Wendy Loya](#)
Subject: DEIS Comments - Internal Review
Date: Tuesday, August 14, 2018 7:06:38 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_LeonardP.docx](#)

Hi Wendy,

Please find comments attached. Sections reviewed:

- Ch. 2 ROP 11
- Ch. 3 Climate & Meteorology
- Ch. 3 Visual Resources
- Appendix E

Cheers,
Paul

--

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

From: [Jorgensons](#)
To: wendy_loya@fws.gov
Subject: [EXTERNAL] Janet's comments on DEIS
Date: Tuesday, August 14, 2018 7:24:11 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_JorgensonJ-2.docx](#)

Attached. Call if questions. Janet

From: [Latty, Christopher](#)
To: [Wendy Loya](#); [Ted Swem](#)
Subject: Comments on draft EIS
Date: Wednesday, August 15, 2018 5:44:22 AM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_Latty-Swem_8-15.docx](#)

Hi Wendy,

Please find attached comments from Ted and myself on the draft Leasing EIS. Please let me know if you have any questions, concerns, or if there is anything else I can do to help with this process.

Cheers
Chris

--

Christopher Latty
US Fish and Wildlife Service
Arctic NWR
101 12th Avenue
Room 236
Fairbanks, AK 99701
cell 907-347-4300

From: [Wendy Loya](#)
To: [Joshua Rose](#); [John Trawicki](#); [Drew Crane](#)
Subject: DEIS comments draft 051508 8:00am
Date: Wednesday, August 15, 2018 9:56:00 AM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0800_FWScombined.docx](#)

For discussion at our 8am.

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: [Berendzen, Steve](#)
To: [Loya, Wendy](#)
Subject: Fwd: Preface for the EIS and an appendix related to wilderness
Date: Wednesday, August 15, 2018 10:07:14 AM
Attachments: [Preface.docx](#)
[Coastal plain wilderness characteristics and values \(1\).docx](#)

Wendy, I fully support incorporation of what Roger refers to as the preface document to help clarify the different types and aspects of wilderness on Arctic Refuge. The attached document on wilderness values is also appropriate to include since it explains the wilderness purpose in the original Arctic Wildlife Range. I agree that it would be beneficial if it could be included as an appendix.

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

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

From: **Kaye, Roger** <roger_kaye@fws.gov>
Date: Tue, Aug 14, 2018 at 1:55 PM
Subject: Preface for the EIS and an appendix related to wilderness
To: Steve Berendzen <steve_berendzen@fws.gov>, Joanna Fox <joanna_fox@fws.gov>

Steve,

Attached is what should be included as a preface to the EIS--*A Note about Wilderness and Wilderness Terminology*.

Also attached is the summary description *Arctic Refuge Coastal plain wilderness characteristics and values*, which, given the importance of wilderness in the Refuge, should be in the body of the document, or at least included as an appendix. While the purpose of this EIS is to meet the Arctic Refuge's new Tax Act purpose, we should also, to the greatest extent possible, continue to meet its other purposes, including its 1960 establishment order purpose of preserving wilderness values.



From: [Rose, Joshua](#)
To: [Wendy Loya](#)
Subject: Roger"s comments
Date: Wednesday, August 15, 2018 10:19:52 AM
Attachments: [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

From: [Wendy Loya](#)
To: [Drew Crane](#); [Joshua Rose](#); [John Trawicki](#)
Subject: RE: DEIS Comment Table for editing
Date: Wednesday, August 15, 2018 10:50:00 AM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0830_FWScombined.docx](#)

attached

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: Crane, Drew <drew_crane@fws.gov>
Sent: Wednesday, August 15, 2018 8:48 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: DEIS Comment Table for editing

nothing attached :)

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 Wed, Aug 15, 2018 at 8:37 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Use this version, ensure that tracked changes is active.

Thanks!
Wendy

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

From: [Crane, Drew](#)
To: [Wendy Loya](#)
Subject: Re: DEIS Comment Table for editing
Date: Wednesday, August 15, 2018 12:42:54 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0830_FWScombined_DC 86 through 114docx.docx](#)

Hey Wendy,

My comments/edits on my assigned pages are attached. I've also provided two additional comments below to incorporate.

Page 1-4 line 37 The section within the ESA that BLM must comply with for ESA consultation is section 7(a)2; however it is commonly referred to "compliance with section 7. Suggest revising the existing statement.

ES-3 line 6 Recommend categorizing the alternatives in a way that does not use value based terms. For example, instead of stating "Alternative C balances oil and gas..." it is more accurate to state that "Alternative C includes additional stipulations for the protection of natural resources..." and "Alternative D addresses additional biological and ecological resource concerns by incorporating more prescriptive ROPs and reducing surface occupancy..."

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 Wed, Aug 15, 2018 at 8:50 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

attached

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: Crane, Drew <drew_crane@fws.gov>

Sent: Wednesday, August 15, 2018 8:48 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: DEIS Comment Table for editing

nothing attached :)

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 Wed, Aug 15, 2018 at 8:37 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Use this version, ensure that tracked changes is active.

Thanks!

Wendy

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

From: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: Re: DEIS Comment Table for editing
Date: Wednesday, August 15, 2018 2:00:52 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0830_FWScombined_jmt.docx](#)

edits for pages 29-59

On Wed, Aug 15, 2018 at 8:37 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Use this version, ensure that tracked changes is active.

Thanks!

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

--

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

From: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: John M comments
Date: Wednesday, August 15, 2018 2:40:57 PM
Attachments: [4-140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808.docx](#)

once everyone is done I will look to see which of his comments still need to be addressed.

--

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

From: [Burkart, Greta](#)
To: [Wendy Loya](#)
Cc: [John Trawicki](#); [Joanna Fox](#); [Stephen Arthur](#); [Janet Jorgenson](#); [Christopher Latty](#); [Randy Brown](#)
Subject: EIS comments
Date: Wednesday, August 15, 2018 3:01:23 PM
Attachments: [Burkart_140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808.docx](#)

Hi Wendy,

I have attached my comments on the EIS.

Thank you for the opportunity to comment.

Greta

Greta Burkart, PhD
Aquatic Ecologist
US Fish and Wildlife Service
Arctic National Wildlife Refuge and Alaska Refuges Inventory and Monitoring Program
101 12 th Ave Rm 236
Fairbanks, AK 99701
ph: (907) 750-7067
fax: (907) 456-0428
email: greta_burkart@fws.gov
www.facebook.com/arcticnationalwildliferefuge

From: [Wendy Loya](#)
To: ["John Trawicki"](#); [Mary Colligan](#); [Stephanie Brady](#); [Steve Berendzen](#); [Doug Damberg](#); [Drew Crane](#); [Todd Hopkins](#); [Socheata Lor](#); [Sarah Conn](#); [Tracy Fischbach](#); [Joshua Rose](#); [Joanna Fox](#); [John Martin](#); [Mitch Ellis](#); [Eric Taylor](#)
Subject: 1pm cancelled today for 1002 POCs
Date: Wednesday, August 15, 2018 3:07:00 PM

Hi Everyone,

Sorry we did not get this removed from the calendar today. Given that we had a meeting with ARDs this morning and are under the tight deadline to get our DEIS comments finished, we will not meet today. We'll touch base next week when we may have a Preliminary Seismic EA ☺

Wendy

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)

-----Original Appointment-----

From: john_trawicki@fws.gov <john_trawicki@fws.gov>
Sent: Tuesday, June 5, 2018 3:57 PM
To: john_trawicki@fws.gov; wendy_loya@fws.gov; mary_colligan@fws.gov; stephanie_brady@fws.gov; steve_berendzen@fws.gov; doug_damberg@fws.gov; drew_crane@fws.gov; todd_hopkins@fws.gov; socheata_lor@fws.gov; sarah_conn@fws.gov; tracy_fischbach@fws.gov; joshua_rose@fws.gov; joanna_fox@fws.gov; john_w_martin@fws.gov; Mitch Ellis; eric_taylor@fws.gov
Subject: FWS_Arctic Refuge_Weekly_POC_Updates
When: Wednesday, August 15, 2018 1:00 PM-2:00 PM (UTC-09:00) Alaska.
Where: FWS-FW7 NWRS Conference Room/Regional Office

Agenda and call in for weekly Meeting

Rolling agenda and notes in Google Docs:

<https://docs.google.com/document/d/1xmo2N2wn5jqdGaORCldQ29gTvWb93TaTJCIL5BqsXm0/edit>

Join by Vidyo to Refuges Conference Room

or call in **b5 - CIP** passcode: **b5 - CIP**

-::~::~:- Please do not edit this section of the description. This event has a Google Hangouts video call. Join: https://plus.google.com/hangouts/_/doi.gov/john-trawicki?hceid=am9obl90cmF3aWNraUBmd3MuZ292.2034q2628vr62c1vdi53122lia&hs=121 -

From: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: updates
Date: Wednesday, August 15, 2018 3:21:15 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0830_FWScombined_jmt.docx](#)

done with pages 20-28, greta's just arrived, will look them over.

--

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

From: [Rose, Joshua](#)
To: [Wendy Loya](#)
Subject: Comments for pg 28-85
Date: Wednesday, August 15, 2018 4:41:18 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0830_FWScombined_JRose_comments.docx](#)

Haha! I can't read and I can't do math. Accidentally started on page 28. Luckily the section from 58-85 consisted of you, me, janet john, drew, angela, chris latty, and ted so the review only took an hour. Attached are my revisions.

--

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

From: [Wendy Loya](#)
To: [Drew Crane](#); [Joshua Rose](#); [John Trawicki](#)
Subject: Draft Cover letter for DEIS comments for your review
Date: Wednesday, August 15, 2018 4:47:00 PM
Attachments: [DRAFT FWS Cover Letter DEIS Comments Coastal Plain EIS 081518.docx](#)
Importance: High

Drew, John and Josh,

Please edit using tracked changes and reply all. Work off the latest draft if other provide edits before you 😊 Due by 5pm to Wendy.

Wendy

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: [Christopher Putnam](#)
To: [Wendy Loya](#)
Subject: Re: 1002 DEIS Review: Navigating errors and Stips/ROPs (email #4)
Date: Wednesday, August 15, 2018 4:51:47 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808_USFWS MMM cputnam and chamilton.docx](#)

Hi Wendy,

Sorry for being tardy, attached are Charlie Hamilton and my comments on the EIS. Thanks.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
1011 East Tudor Rd, MS 341
Anchorage, AK 99503-6199
907-786-3844 office
907-268-0577 mobile
907-786-3816 fax

"All that is gold does not glitter, not all those who wander are lost; the old that is strong does not wither, deep roots are not reached by the frost."
-- J.R.R. Tolkien

On Fri, Aug 10, 2018 at 4:36 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Hi 1002 team,

There are definitely some confusing errors in the DEIS, including references to maps that don't exist and confusing numbering of ROPs in Table 2; hopefully they won't complicate your review too much. For example, ROPs go from being numbered continuously to having letter precursors by activity category, as we saw in NPRA Table 2.3. To help you sort through Stips and BMPs/ROPs for your resource, I am attaching what were our last recommended edits to stipulations; some of these may have changed slightly since you worked on them around the workshop, but I believe I was able to consult most of you about proposed changes before sending to BLM.

Also, if you feel that Alt B and C are inadequate in protecting a resource, please refer to the NPRA Table 2.3 (attached) to make a recommendation on what protections should be included. A couple of examples: if there is "No similar objective or requirement" for Alt B and C, but there is a requirement for NPRA, simply comment that "ROP X should include the same requirements as indicated for NPRA (and list)" or "For ROP X, Alt B and C should at least include requirements a, d and e from Alt D to meet purpose 1 and 4 of the Arctic NWR."

Thanks for all the great effort and questions already, you all are an impressive team!

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: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: Re: Draft Cover letter for DEIS comments for your review
Date: Wednesday, August 15, 2018 5:17:09 PM
Attachments: [DRAFT FWS Cover Letter DEIS Comments Coastal Plain EIS 081518 JT.docx](#)

well written

On Wed, Aug 15, 2018 at 2:47 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Drew, John and Josh,

Please edit using tracked changes and reply all. Work off the latest draft if other provide edits before you ☺ Due by 5pm to Wendy.

Wendy

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)

--

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

From: [Rose, Joshua](#)
To: [Wendy Loya](#)
Cc: [Drew Crane](#); [John Trawick](#)
Subject: Re: Draft Cover letter for DEIS comments for your review
Date: Wednesday, August 15, 2018 5:17:53 PM
Attachments: [DRAFT FWS Cover Letter DEIS Comments Coastal Plain EIS 081518 Jrose comments.docx](#)

Wendy, Drew, and John,

Attached are my recommended changes to the cover letter.

Thanks,
Josh

On Wed, Aug 15, 2018 at 2:47 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Drew, John and Josh,

Please edit using tracked changes and reply all. Work off the latest draft if other provide edits before you ☺ Due by 5pm to Wendy.

Wendy

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)

--

Joshua Rose
Acting Oil and Gas Coordinator
Arctic National Wildlife Refuge
101 12th Ave., Rm 236
Fairbanks, AK 99701

phone: (907) 456-0409

From: [Wendy Loya](#)
To: [Christopher Putnam](#); [Charles Hamilton](#)
Subject: RE: 1002 DEIS Review: Navigating errors and Stips/ROPs (email #4)
Date: Wednesday, August 15, 2018 6:01:00 PM

Thank you Christopher and Charlie for your help and expertise.

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: Christopher Putnam <christopher_putnam@fws.gov>
Sent: Wednesday, August 15, 2018 2:51 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: 1002 DEIS Review: Navigating errors and Stips/ROPs (email #4)

Hi Wendy,

Sorry for being tardy, attached are Charlie Hamilton and my comments on the EIS. Thanks.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
1011 East Tudor Rd, MS 341
Anchorage, AK 99503-6199
907-786-3844 office
907-268-0577 mobile
907-786-3816 fax

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-- J.R.R. Tolkien

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Thanks for all the great effort and questions already, you all are an impressive team!

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: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: greta2
Date: Wednesday, August 15, 2018 6:26:14 PM
Attachments: [2Burkart_140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808.docx](#)

--

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

From: [Crane, Drew](#)
To: [Wendy Loya](#)
Cc: [Joshua Rose](#); [John Trawick](#)
Subject: Re: Draft Cover letter for DEIS comments for your review
Date: Wednesday, August 15, 2018 6:46:49 PM
Attachments: [DRAFT FWS Cover Letter DEIS Comments Coastal Plain EIS 081518 Jrose_dc comments.docx](#)

Hi Wendy,

Attached are my edits on top of Josh's. I could dig into this more, but I wanted to get it back to you so you can start making any necessary edits.

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

On Wed, Aug 15, 2018 at 2:47 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Drew, John and Josh,

Please edit using tracked changes and reply all. Work off the latest draft if other provide edits before you ☺ Due by 5pm to Wendy.

Wendy

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](#)
To: [Mary Colligan](#); [Mitch Ellis](#); [Robert Kaler](#); [Greg Siekaniec](#); [Karen Clark](#)
Cc: [Eric Taylor](#); [Karen Murphy](#); [Sara Boario](#); [Socheata Lor](#); [Drew Crane](#); [John Trawicki](#); [Joshua Rose](#)
Subject: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS
Date: Wednesday, August 15, 2018 7:20:00 PM
Attachments: [2018 0815 FWS Cover Letter DEIS Comments Coastal Plain EIS.docx](#)
[140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0500_FWScombined.docx](#)
Importance: High

Dear Mary, Mitch, Robb, Greg and Karen,

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Greg and Karen, I will send a cleaned up version with ARD edits Thursday COB, so this is an “advisory” copy for you to consider on the plane or in your free time (haha).

Thanks to you and your amazing staff,
Wendy

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: [Colligan, Mary](#)
To: [Wendy Loya](#)
Cc: [Mitch Ellis](#); [Robert Kaler](#); [Greg Siekaniec](#); [Karen Clark](#); [Eric Taylor](#); [Karen Murphy](#); [Sara Boario](#); [Socheata Lor](#); [Drew Crane](#); [John Trawicki](#); [Joshua Rose](#)
Subject: Re: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS
Date: Thursday, August 16, 2018 10:31:02 AM
Attachments: [2018 0815 FWS Cover Letter DEIS Comments Coastal Plain EIS MAC.docx](#)

Wendy & all - I have attached my comments on the cover letter. I have concerns about the attachment to the cover letter so wanted to get my comments to others to consider as they do their review. I am happy to talk about any of my comments - just trying to keep things moving.

I am working through the table now, on page 30..... As I am working through it in some cases I am suggesting specific edits and in others asking questions. I recognize that is not really helpful given the very short amount of time to move this through - but I was a little reluctant to directly edit some of the text outside of my program area. I will keep plugging away...

On Wed, Aug 15, 2018 at 5:20 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

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Wendy

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)

--

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

From: [Wendy Loya](#)
To: [Mary Colligan](#)
Cc: [Mitch Ellis](#); [Robert Kaler](#); [Greg Siekaniec](#); [Karen Clark](#); [Eric Taylor](#); [Karen Murphy](#); [Sara Boario](#); [Socheata Lor](#); [Drew Crane](#); [John Trawicki](#); [Joshua Rose](#)
Subject: RE: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS
Date: Thursday, August 16, 2018 11:10:00 AM
Attachments: [2018 0816 FWS Cover Letter DEIS Comments Coastal Plain EIS MAC.docx](#)
Importance: High

Mary et al.

The pages in the cover letter AFTER the signature should have been deleted. I had stolen our scoping comments letter to use as a template, but failed to continue scrolling to see they were attached to the letter. Please ignore those (you all already edited and approved them ☺)!

Attached is the letter with Mary's edits but the previous attachment removed if folks want to work from this copy.

I am truly sorry for the oversight and wasting your time, Mary.

Wendy
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: Colligan, Mary <mary_colligan@fws.gov>
Sent: Thursday, August 16, 2018 8:31 AM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Mitch Ellis <mitch_ellis@fws.gov>; Robert Kaler <robert_kaler@fws.gov>; Greg Siekaniec <greg_siekaniec@fws.gov>; Karen Clark <karen_clark@fws.gov>; Eric Taylor <eric_taylor@fws.gov>; Karen Murphy <karen_a_murphy@fws.gov>; Sara Boario <sara_boario@fws.gov>; Socheata Lor <socheata_lor@fws.gov>; Drew Crane <drew_crane@fws.gov>; John Trawicki <john_trawicki@fws.gov>; Joshua Rose <joshua_rose@fws.gov>
Subject: Re: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS

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Thanks to you and your amazing staff,
Wendy

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)

--

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

From: [Colligan, Mary](#)
To: [Wendy Loya](#)
Cc: [Mitch Ellis](#); [Robert Kaler](#); [Greg Siekaniec](#); [Karen Clark](#); [Eric Taylor](#); [Karen Murphy](#); [Sara Boario](#); [Socheata Lor](#); [Drew Crane](#); [John Trawicki](#); [Joshua Rose](#)
Subject: Re: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS
Date: Thursday, August 16, 2018 11:11:57 AM

Well, no wonder they read like scoping comments..... that makes so much more sense!

Thank you

On Thu, Aug 16, 2018 at 9:10 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Mary et al.

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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: Colligan, Mary <mary_colligan@fws.gov>

Sent: Thursday, August 16, 2018 8:31 AM

To: Wendy Loya <wendy_loya@fws.gov>

Cc: Mitch Ellis <mitch_ellis@fws.gov>; Robert Kaler <robert_kaler@fws.gov>; Greg Siekaniec

0000008774

<greg_siekaniec@fws.gov>; Karen Clark <karen_clark@fws.gov>; Eric Taylor <eric_taylor@fws.gov>; Karen Murphy <karen_a_murphy@fws.gov>; Sara Boario <sara_boario@fws.gov>; Socheata Lor <socheata_lor@fws.gov>; Drew Crane <drew_crane@fws.gov>; John Trawicki <john_trawicki@fws.gov>; Joshua Rose <joshua_rose@fws.gov>

Subject: Re: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS

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Anchorage, Alaska

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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

--

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

From: [Ellis, Mitch](#)
To: [Wendy Loya](#)
Cc: [Mary Colligan](#); [Robert Kaler](#); [Greg Siekaniec](#); [Karen Clark](#); [Eric Taylor](#); [Karen Murphy](#); [Sara Boario](#); [Socheata Lor](#); [Drew Crane](#); [John Trawicki](#); [Joshua Rose](#)
Subject: Re: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS
Date: Thursday, August 16, 2018 11:52:50 AM
Attachments: [2018 0816 FWS Cover Letter DEIS Comments Coastal Plain EIS MAC plus MRE.docx](#)

Wendy and gang - here are my comments on the cover letter.

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

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Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

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From: Colligan, Mary <mary_colligan@fws.gov>
Sent: Thursday, August 16, 2018 8:31 AM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Mitch Ellis <mitch_ellis@fws.gov>; Robert Kaler <robert_kaler@fws.gov>; Greg Siekaniec <greg_siekaniec@fws.gov>; Karen Clark <karen_clark@fws.gov>; Eric Taylor <eric_taylor@fws.gov>; Karen Murphy <karen_a_murphy@fws.gov>; Sara Boario <sara_boario@fws.gov>; Socheata Lor <socheata_lor@fws.gov>; Drew Crane <drew_crane@fws.gov>; John Trawicki <john_trawicki@fws.gov>; Joshua Rose <joshua_rose@fws.gov>
Subject: Re: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS

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--

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

From: [Colligan, Mary](#)
To: [Wendy Loya](#)
Cc: [Mitch Ellis](#); [Robert Kaler](#); [Greg Siekaniec](#); [Karen Clark](#); [Eric Taylor](#); [Karen Murphy](#); [Sara Boario](#); [Socheata Lor](#); [Drew Crane](#); [John Trawicki](#); [Joshua Rose](#)
Subject: Re: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS
Date: Thursday, August 16, 2018 2:42:28 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0500_FWScombined_MAC.docx](#)

I have attached my suggested edits, questions and comments. I stopped at #552 since the team was reviewing 552-617 this morning - Wendy is sending me the update and I will look at the newer version of those comments. Mitch and I are meeting at 2 to compare notes on our reviews, but in the interest of time I wanted to send along what I have.

Thanks

On Wed, Aug 15, 2018 at 5:20 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Dear Mary, Mitch, Robb, Greg and Karen,

Attached are two documents related to the FWS review of the Draft EIS for the Coastal Plain Leasing Program for your review.

Our timeline is: ARDS providing feedback on Thursday 8/16 and RDs on Friday 8/17.

Two files:

1. Cover letter to BLM that describes the general, big-picture comments highlighted by Service staff.
2. A table that includes all comments, in the format requested by BLM. Note, POCs will have one more read through 1-551 Thursday morning to make sure that accepting tracked changes did not result in formatting or editing errors, but the content should be similar and those comments are intended to be submitted. Comments 552-617 have not yet been reviewed for consistency with other comments and the POCs will do that Thursday; some may be deleted (these came in late or require further evaluation)

Greg and Karen, I will send a cleaned up version with ARD edits Thursday COB, so this is an "advisory" copy for you to consider on the plane or in your free time (haha).

Thanks to you and your amazing staff,

Wendy

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)

--

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

From: [Wendy Loya](#)
To: [Mary Colligan](#); [Mitch Ellis](#); [Socheata Lor](#)
Subject: Greta and John M comments
Date: Thursday, August 16, 2018 2:44:00 PM
Attachments: [Greta and John comments we may keep.docx](#)

Mary, Mitch and Soch,

I have gone through Greta and John M's comments from the end of the table this morning, and tried to narrow it down to the ones that offered new and constructive recommendations. If you can skip these in the table sent yesterday, and work from this draft, that will be more efficient. John's can use some further editing for sure, but trying to keep this moving.

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)
907.227.2942 (mobile)

From: [Kaler, Robert](#)
To: [Wendy Loya](#)
Cc: [Mary Colligan](#); [Greg Siekaniec](#); [Karen Clark](#); [Eric Taylor](#); [Karen Murphy](#); [Sara Boario](#); [Socheata Lor](#); [Drew Crane](#); [John Trawicki](#); [Joshua Rose](#); [Ellis, Mitch](#)
Subject: Re: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS
Date: Thursday, August 16, 2018 3:59:11 PM
Attachments: [2018 0816 FWS Cover Letter DEIS Comments Coastal Plain EIS MAC plus MRE plus RK.docx](#)

Hi Wendy and others,

Looks good. Thanks for the opportunity to review. I've layered a few minor edits to Mitch's track change version of the cover letter (attached).

Best regards,
Robb

--

ROBERT (ROBB) KALER
USFWS-Migratory Bird Management
(907) 786 3984
ROBERT_KALER [AT] FWS [DOT] GOV

On Thu, Aug 16, 2018 at 9:52 AM, Ellis, Mitch <mitch_ellis@fws.gov> wrote:

Wendy and gang - here are my comments on the cover letter.

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

On Thu, Aug 16, 2018 at 9:10 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Mary et al.

The pages in the cover letter AFTER the signature should have been deleted. I had stolen our scoping comments letter to use as a template, but failed to continue scrolling to see they were attached to the letter. Please ignore those (you all already edited and approved them ☺)!

Attached is the letter with Mary's edits but the previous attachment removed if folks want to work from this copy.

I am truly sorry for the oversight and wasting your time, Mary.

Wendy

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: Colligan, Mary <mary_colligan@fws.gov>

Sent: Thursday, August 16, 2018 8:31 AM

To: Wendy Loya <wendy_loya@fws.gov>

Cc: Mitch Ellis <mitch_ellis@fws.gov>; Robert Kaler <robert_kaler@fws.gov>; Greg Siekaniec <greg_siekaniec@fws.gov>; Karen Clark <karen_clark@fws.gov>; Eric Taylor <eric_taylor@fws.gov>; Karen Murphy <karen_a_murphy@fws.gov>; Sara Boario <sara_boario@fws.gov>; Socheata Lor <socheata_lor@fws.gov>; Drew Crane <drew_crane@fws.gov>; John Trawicki <john_trawicki@fws.gov>; Joshua Rose <joshua_rose@fws.gov>

Subject: Re: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS

Wendy & all - I have attached my comments on the cover letter. I have concerns about the attachment to the cover letter so wanted to get my comments to others to consider as they do their review. I am happy to talk about any of my comments - just trying to keep things moving.

I am working through the table now, on page 30..... As I am working through it in some cases I am suggesting specific edits and in others asking questions. I recognize that is not really helpful given the very short amount of time to move this through - but I was a little reluctant to directly edit some of the text outside of my program area. I will keep plugging away...

On Wed, Aug 15, 2018 at 5:20 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Dear Mary, Mitch, Robb, Greg and Karen,

Attached are two documents related to the FWS review of the Draft EIS for the Coastal

Plain Leasing Program for your review.

Our timeline is: ARDS providing feedback on Thursday 8/16 and RDs on Friday 8/17.

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1. Cover letter to BLM that describes the general, big-picture comments highlighted by Service staff.
2. A table that includes all comments, in the format requested by BLM. Note, POCs will have one more read through 1-551 Thursday morning to make sure that accepting tracked changes did not result in formatting or editing errors, but the content should be similar and those comments are intended to be submitted. Comments 552-617 have not yet been reviewed for consistency with other comments and the POCs will do that Thursday; some may be deleted (these came in late or require further evaluation)

Greg and Karen, I will send a cleaned up version with ARD edits Thursday COB, so this is an “advisory” copy for you to consider on the plane or in your free time (haha).

Thanks to you and your amazing staff,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

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--

0000008787

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

From: [Ellis, Mitch](#)
To: [Colligan, Mary](#)
Cc: [Wendy Loya](#); [Robert Kaler](#); [Greg Siekaniec](#); [Karen Clark](#); [Eric Taylor](#); [Karen Murphy](#); [Sara Boario](#); [Socheata Lor](#); [Drew Crane](#); [John Trawicki](#); [Joshua Rose](#)
Subject: Re: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS
Date: Thursday, August 16, 2018 4:20:49 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0500_FWScombined_MRE_and_SLOR.docx](#)

Ditto - Here are my edits and comments. I enlisted the help of Soch for review of comments 300-551. Enjoy!

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

On Thu, Aug 16, 2018 at 12:42 PM, Colligan, Mary <mary_colligan@fws.gov> wrote:

I have attached my suggested edits, questions and comments. I stopped at #552 since the team was reviewing 552-617 this morning - Wendy is sending me the update and I will look at the newer version of those comments. Mitch and I are meeting at 2 to compare notes on our reviews, but in the interest of time I wanted to send along what I have.

Thanks

On Wed, Aug 15, 2018 at 5:20 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

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Greg and Karen, I will send a cleaned up version with ARD edits Thursday COB, so this

is an “advisory” copy for you to consider on the plane or in your free time (haha).

Thanks to you and your amazing staff,

Wendy

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)

--

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

From: [Ellis, Mitch](#)
To: [Wendy Loya](#)
Cc: [Mary Colligan](#); [Lor, Socheata](#); [John Trawicki](#)
Subject: Fwd: Greta and John M comments
Date: Thursday, August 16, 2018 4:34:20 PM
Attachments: [Greta and John comments we may keep MRE and SLOR.docx](#)

Wendy - I added one edit to Soch's. That was to delete the BIDEH policy reference. See attached.

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

----- Forwarded message -----
From: **Lor, Socheata** <socheata_lor@fws.gov>
Date: Thu, Aug 16, 2018 at 1:29 PM
Subject: Fwd: Greta and John M comments
To: Mitch Ellis <mitch_ellis@fws.gov>

Only a few minor edits in the attachment.

Soch

~~~~~  
*Socheata Lor, Ph.D.*  
*Deputy Assistant Regional Director - Region 7*  
*National Wildlife Refuge System*  
*U.S. Fish and Wildlife Service*  
*1011 E. Tudor Road*  
*Anchorage, AK 99503*  
*Office: 907.786.3420*  
*Cell: 907.891.6194*  
~~~~~

----- Forwarded message -----
From: **Wendy Loya** <wendy_loya@fws.gov>
Date: Thu, Aug 16, 2018 at 12:44 PM
Subject: Greta and John M comments
To: Mary Colligan <mary_colligan@fws.gov>, Mitch Ellis <mitch_ellis@fws.gov>, Socheata Lor <socheata_lor@fws.gov>

Mary, Mitch and Soch,

I have gone through Greta and John M's comments from the end of the table this morning, and

tried to narrow it down to the ones that offered new and constructive recommendations. If you can skip these in the table sent yesterday, and work from this draft, that will be more efficient. John's can use some further editing for sure, but trying to keep this moving.

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)

907.227.2942 (mobile)

From: [Colligan, Mary](#)
To: [Ellis, Mitch](#)
Cc: [Wendy Loya](#); [Lor, Socheata](#); [John Trawicki](#)
Subject: Re: Greta and John M comments
Date: Thursday, August 16, 2018 4:50:22 PM
Attachments: [Greta and John comments we may keep MAC.docx](#)

Few comments from me on this last section

On Thu, Aug 16, 2018 at 2:34 PM, Ellis, Mitch <mitch_ellis@fws.gov> wrote:
Wendy - I added one edit to Soch's. That was to delete the BIDEH policy reference. See attached.

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

----- Forwarded message -----
From: **Lor, Socheata** <socheata_lor@fws.gov>
Date: Thu, Aug 16, 2018 at 1:29 PM
Subject: Fwd: Greta and John M comments
To: Mitch Ellis <mitch_ellis@fws.gov>

Only a few minor edits in the attachment.

Soch
~~~~~  
*Socheata Lor, Ph.D.  
Deputy Assistant Regional Director - Region 7  
National Wildlife Refuge System  
U.S. Fish and Wildlife Service  
1011 E. Tudor Road  
Anchorage, AK 99503  
Office: 907.786.3420  
Cell: 907.891.6194*  
~~~~~

----- Forwarded message -----
From: **Wendy Loya** <wendy_loya@fws.gov>
Date: Thu, Aug 16, 2018 at 12:44 PM
Subject: Greta and John M comments
To: Mary Colligan <mary_colligan@fws.gov>, Mitch Ellis <mitch_ellis@fws.gov>, Socheata Lor <socheata_lor@fws.gov>

Mary, Mitch and Soch,

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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)

907.227.2942 (mobile)

--

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

From: [Wendy Loya](#)
To: [Drew Crane](#)
Subject: Add Mitch"s comments into MAC_wendy up to 303
Date: Thursday, August 16, 2018 5:03:00 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0500_FWScombined_MAC_wendy.docx](#)
[140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0500_FWScombined_MRE_and_SLOR.docx](#)

Thank you!

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

From: [Crane, Drew](#)
To: [Wendy Loya](#)
Subject: Re: Add Mitch's comments into MAC_wendy up to 303
Date: Thursday, August 16, 2018 5:42:25 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0500_FWScombined MAC_wendy_DC.docx](#)

Hey Wendy,

I've addressed or incorporated Mitch and Soch's edits through comment 303 in the attached document. Let me know if you have any questions.

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, Aug 16, 2018 at 3:03 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Thank you!

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

From: [Kaler, Robert](#)
To: [Ellis, Mitch](#)
Cc: [Colligan, Mary](#); [Wendy Loya](#); [Greg Siekaniec](#); [Karen Clark](#); [Eric Taylor](#); [Karen Murphy](#); [Sara Boario](#); [Socheata Lor](#); [Drew Crane](#); [John Trawicki](#); [Joshua Rose](#)
Subject: Re: Electronic Surnaming: FWS comments on Coastal Plain Leasing DEIS
Date: Thursday, August 16, 2018 5:42:46 PM
Attachments: [140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201815_0500_FWScombined_MRE_and_SLOR_RK.docx](#)

Hi All,

Attached are my edits to comments 1-551; most were edits to typos in Chris Latty's contributions. I agree with the comments and edits provided by Mary, Mitch and Soch.

Thanks,
Robb

--

ROBERT (ROBB) KALER
USFWS-Migratory Bird Management
(907) 786 3984
ROBERT_KALER [AT] FWS [DOT] GOV

On Thu, Aug 16, 2018 at 2:20 PM, Ellis, Mitch <mitch_ellis@fws.gov> wrote:

Ditto - Here are my edits and comments. I enlisted the help of Soch for review of comments 300-551. Enjoy!

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

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Thanks

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Two files:

0000008797

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Thanks to you and your amazing staff,

Wendy

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)

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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

From: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: Re: Greta and John M comments
Date: Thursday, August 16, 2018 6:35:39 PM
Attachments: [Greta and John comments we may keep MAC jt.docx](#)

On Thu, Aug 16, 2018 at 2:50 PM, Colligan, Mary <mary_colligan@fws.gov> wrote:
Few comments from me on this last section

On Thu, Aug 16, 2018 at 2:34 PM, Ellis, Mitch <mitch_ellis@fws.gov> wrote:
Wendy - I added one edit to Soch's. That was to delete the BIDEH policy reference. See attached.

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

----- Forwarded message -----
From: Lor, Socheata <socheata_lor@fws.gov>
Date: Thu, Aug 16, 2018 at 1:29 PM
Subject: Fwd: Greta and John M comments
To: Mitch Ellis <mitch_ellis@fws.gov>

Only a few minor edits in the attachment.

Soch
~~~~~  
*Socheata Lor, Ph.D.*  
*Deputy Assistant Regional Director - Region 7*  
*National Wildlife Refuge System*  
*U.S. Fish and Wildlife Service*  
*1011 E. Tudor Road*  
*Anchorage, AK 99503*  
*Office: 907.786.3420*  
*Cell: 907.891.6194*  
~~~~~

----- Forwarded message -----
From: Wendy Loya <wendy_loya@fws.gov>
Date: Thu, Aug 16, 2018 at 12:44 PM
Subject: Greta and John M comments
To: Mary Colligan <mary_colligan@fws.gov>, Mitch Ellis <mitch_ellis@fws.gov>, Socheata Lor <socheata_lor@fws.gov>

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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)

907.227.2942 (mobile)

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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

--

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

From: [Burkart, Greta](#)
To: [Wendy Loya](#)
Cc: [John Trawicki](#)
Subject: Re: EIS comments
Date: Thursday, August 16, 2018 6:58:44 PM
Attachments: [Burkart 2 of 2_140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_20180808.docx](#)

Thanks Wendy,

I have one more comment regarding effectiveness monitoring. See below or attached:

page: 2-1-39 Row/Line: Table 2-2 Reviewer: Burkart, Greta, USFWS

There are no requirements to assure that ROPs are effective at meeting objectives in the Arctic Refuge. Without scientifically-sound effectiveness monitoring programs, impacts cannot be detected and adaptive management tools cannot be used to mitigate for impacts. Add the following ROP to all alternatives: To assure defined objectives are being met throughout the affected area, a statistically-sound effectiveness monitoring program(s) must be established. Level of inference and change detection capabilities must be appropriate and clearly defined. The validity of effectiveness monitoring will be peer-reviewed on a regular basis. Reviewers will include USFWS and/or NPS long-term inventory and monitoring programs. The cost of necessary sampling design, implementation, statistical analyses, reporting, and management, archiving, and public dissemination of data and reporting is the sole responsibility of the lessor. If objectives are not met, an adaptive management approach will be used to develop and implement.

Thank you!

Greta

Greta Burkart, PhD
Aquatic Ecologist
US Fish and Wildlife Service
Arctic National Wildlife Refuge and Alaska Refuges Inventory and Monitoring Program
101 12 th Ave Rm 236
Fairbanks, AK 99701
ph: (907) 456-0519
fax: (907) 456-0428
email: greta_burkart@fws.gov
www.facebook.com/arcticnationalwildliferefuge

On Wed, Aug 15, 2018 at 1:02 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Thanks Greta! We'll get these in.

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 1:01 PM Burkart, Greta <greta_burkart@fws.gov> wrote:

Hi Wendy,

I have attached my comments on the EIS.

Thank you for the opportunity to comment.

Greta

Greta Burkart, PhD

Aquatic Ecologist

US Fish and Wildlife Service

Arctic National Wildlife Refuge and Alaska Refuges Inventory and Monitoring Program

[101 12 th Ave Rm 236](#)

[Fairbanks, AK 99701](#)

ph: (907) 750-7067

fax: (907) 456-0428

email: greta_burkart@fws.gov

www.facebook.com/arcticnationalwildliferefuge

From: [Wendy Loya](#)
To: [Greg Siekaniec](#); [Karen Clark](#)
Cc: [Lucille Frerich](#); [Mary Colligan](#); [Mitch Ellis](#)
Subject: Due Friday 08/16 COB: FWS comments on Coastal Plain Leasing DEIS
Date: Thursday, August 16, 2018 7:37:00 PM
Attachments: [2018 0817 FWS Cover Letter DEIS Comments Coastal Plain.docx](#)
[140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201816_1730_FWS.docx](#)

Dear Greg and Karen,

After careful review and edits by Mary, Mitch, Soch and Robb, we have the final cover letter and table of comments ready for your consideration for the Coastal Plain Leasing Draft EIS attached. I will also provide a hard copy of the letter for signing.

Please let me know if you recommend any further edits and I will be available Friday to help finalize and deliver to 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)
907.227.2942 (mobile)

From: [Frerich, Lucille](#)
To: [Wendy Loya](#)
Subject: EIS Letter Edits
Date: Friday, August 17, 2018 10:33:05 AM
Attachments: [Loya Letter.docx](#)

Lucille Frerich
Secretary, Fisheries & Ecological Services
U.S. Fish & Wildlife Service
1011 E. Tudor Rd MS-361
Anchorage, AK 99503
907 786-3856 Fax: 907 786-3848

From: [Collins, Catherine](#)
To: [Wendy Loya](#)
Subject: Alaska Coast Plain
Date: Friday, August 17, 2018 11:38:38 AM

Hi Wendy,

I know that you are working to compile the comments for FWS. I just wanted to check in with you to see if you had any questions that needed to be answered or needed more detail for any of the air comments.

I'm working today and am available this afternoon if you need anything.

Catherine Collins, Environmental Engineer
U.S. Fish and Wildlife Service
Branch of Air and Water Quality Resources
7333 W. Jefferson Ave., Suite 375
Lakewood, CO 80235-2034
303-914-3807
(303) 969-5444 fax
Catherine_Collins@fws.gov

From: [Wendy Loya](#)
To: [Nicole Hayes](#)
Cc: [Mary Colligan](#); [Mitch Ellis](#); [Greg Siekaniec](#); [Karen Clark](#); [Sara Boario](#); [Steve Berendzen](#)
Subject: FWS Coastal Plain DEIS Comments
Date: Friday, August 17, 2018 5:54:00 PM
Attachments: [2018 0817 Final FWS Cover Letter Coastal Plain DEIS Comments \(sn\).pdf](#)
[140L6318F0003_AdminDrftEIS_BLM-agency-cmmts_201817_1530_FWS.docx](#)

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

From: [Miriam \(Nicole\) Hayes](#)
To: [Wendy Loya](#)
Cc: [Mary Colligan](#); [Mitch Ellis](#); [Greg Siekaniec](#); [Karen Clark](#); [Sara Boario](#); [Steve Berendzen](#)
Subject: Re: FWS Coastal Plain DEIS Comments
Date: Friday, August 17, 2018 7:24:12 PM

Great, thank you to you and your team!
Nicole

On Aug 17, 2018, at 3:54 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

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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907.786.3532 (office)
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From: [Miriam \(Nicole\) Hayes](#)
To: [Wendy Loya](#)
Cc: [Mary Colligan](#); [Mitch Ellis](#); [Greg Siekaniec](#); [Karen Clark](#); [Sara Boario](#); [Steve Berendzen](#)
Subject: Re: FWS Coastal Plain DEIS Comments
Date: Friday, August 17, 2018 7:40:29 PM

Wendy,

After reading through the letter, I just want to clarify this is a Preliminary Draft EIS and your comments on this PDEIS will be used to help further develop the draft prior to being released to the public for comment. FWS will have another opportunity to provide comment when the draft EIS is released.

Again, thank you all for FWS' thoughtful review of this document.

Nicole

On Aug 17, 2018, at 3:54 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

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.

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From: [Berendzen, Steve](#)
To: [Wendy Loya](#)
Cc: [Joanna Fox](#)
Subject: Re: draft Draft Seismic EA plan?
Date: Monday, August 20, 2018 10:56:24 AM

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
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

907.786.3532 (office)

907.227.2942 (mobile)

From: [Lemons, Patrick](#)
To: [Wendy Loya](#)
Cc: [Mary Colligan](#)
Subject: Re: MMM staff for Seismic EA review
Date: Monday, August 20, 2018 5:44:04 PM

Hi Wendy,

I'm sure they'd be happy to help but Charlie and Ryan are out today. I did speak with Christopher and he's happy to help so lets just assume the same for Ryan and Charlie as well. If something comes up when they return tomorrow, we'll let you know. Otherwise plan on their participation unless you hear from me.

Cheers,
Patrick

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

907.786.3532 (office)

907.227.2942 (mobile)

--

Patrick Lemons, Ph.D.
Chief, Marine Mammals Management
U.S. Fish and Wildlife Service
1011 East Tudor Road
Anchorage, AK 99503
Work: 907-786-3668
Cell: 907-717-6787
Fax: 907-786-3816
e-mail: patrick_lemons@fws.gov

From: [Colligan, Mary](#)
To: [Wendy Loya](#)
Subject: Re: MMM staff for Seismic EA review
Date: Monday, August 20, 2018 6:21:09 PM

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

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As always, 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)

907.227.2942 (mobile)

--

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

From: [Jorgensons](#)
To: ["Wendy Loya"](#)
Cc: [Leonard, Paul](#); josh_rose@fws.gov; greta_burkart@fws.gov
Subject: [EXTERNAL] RE: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Monday, August 20, 2018 7:20:43 PM

Hello, We are flying all night and driving half the day tomorrow to get to family reunion in Minnesota, so I may end up with no time to review this! I will try to look at it, but can't promise much. I hope some of you can cover the veg and related sections. Thank you. Janet

From: Wendy Loya [mailto:wendy_loya@fws.gov]
Sent: Monday, August 20, 2018 5:04 PM
To: Stephanie Brady; Sarah Conn; Lynnda Kahn; Patrick O'Dell; Hollis Twitchell; Joshua Ream; Edward Declava; Jennifer Reed; Paul Leonard; Roger Kaye; Jorgensons; Stephen Arthur; Ryan Wilson; Charles Hamilton; Christopher Putnam; Ted Swem; Randy Brown; John Trawicki
Cc: Mary Colligan; Mitch Ellis; Socheata Lor; Eric Taylor; Sara Boario; Greg Siekaniec; Karen Clark; Karen Murphy
Subject: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB

Dear 1002 Team,

Attached is the draft Draft Seismic Environmental Assessment (aka Preliminary Seismic EA). We were not certain what the timeline for receive this was until last Friday, and now it is in our hands for internal review. It is a much shorter document, and your continued input and expertise is greatly needed.

This is a DRAFT for FWS; it will also undergo review by BLM State Office before it is revised and released to the Public as a Draft EA. **As with the draft Leasing DEIS, 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 respected partner.** There will be time for the public and the media to review a draft when it is ready, but this is a draft we are working on with BLM towards a final draft for them to share. Our draft if marked FWS and traceable back to us; please do not share.

Similar comment format as for the draft DEIS: Comment forms are due COB Wednesday August 22nd to Wendy.

POCs will collate your comments and ask for ARD review on Thursday 23rd, and FWS will submit collated comments after Regional Director's office review on Friday August 24th.

Also attached are Appendix B (maps), Appendix F (specialist reports) and the comment response table. BLM is continuing to work on other appendices, but if there is one referenced in the EA that you would like to review, let Wendy know and she will arrange to send you a draft.

Here is an outline for our approach:

- 1. Given the very short turnaround, we would like you to focus your review on Chapters 4 (Environmental Impacts) and 5 (Cumulative Effects), which will also necessitate reading Chapter 2 (Proposed Action and Alternatives).** We can make the greatest contribution by

considering how well the impacts are analyzed and conveyed, and making specific suggestions on what further analyses are needed. It is less important to worry about wording, spelling and editorial suggestions. There isn't time for extensive edits, so let's help BLM provide a solid analysis of the impacts.

- 2. If you have additional time, please review Chapter 3 (affected environment) for your resource.** More extensive information is available in Appendix E (Specialist Reports), but I expect most of this came from FWS in our Draft Affected Environment submission earlier this summer. If you review either of these sections, your comments should be focused on providing recommended changes/additions of important information, including references.

Below is a matchup of resource sections 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.

Chapter 1: Stephanie, Sarah

Chapter 2: Wendy, Lynnda K, Pat O'Dell

Chapter 2: Cross-reference Stips/ROPs with EIS: Wendy,
Chapters 4 and 5:

Subsistence: Hollis, Josh, Carl

Environmental Justice/Sociocultural: Hollis, Josh Ream, Carl

Prehistoric and Cultural Resource Sites: Ed

Recreation: Jen

Visual Resources: Paul, others

Wilderness: Roger

Wild & Scenic Rivers: Jen

Special designations/MPA:

Vegetation: Janet, Paul (snow cover)

Soils and Permafrost: Janet

Caribou: Steve, Ryan if available

Terrestrial Mammals: Steve, Ryan if available

Marine Mammals: Charlie?

Polar Bears: Ryan, Christopher, Charlie, Ted

Fish and Water Resources: Randy, John T,

Snow: Paul (not a subchapter, need to verify adequately described in EA)

Again, thank you for your time and expertise!!

Wendy

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: [Matthew Sturm](#)
To: [Fisher, Daniel - NRCS, Anchorage, AK](#); [Sousanes, Pamela](#); [Head, Melissa M \(DNR\)](#); [Greta Burkart](#); [Steve Berendzen](#); [Wendy Loya](#); [Paul Leonard](#); [Craig George](#); [Kyle Joly](#); [Matt Macander](#); [Sveta Stuefer](#); [Scott.Goetz@nau.edu](#); [Larsen Chris](#); [Skip Walker](#); [Tako Reynolds](#); [Christopher A. Hiemstra](#); [Entin; anne.nolin@gmail.com](#); [Griffith, Peter C. \(GSFC-618.0\)\[SIGMA SPACE CORPORATION\]](#)
Subject: [EXTERNAL] North Slope Snow 2018
Date: Monday, August 20, 2018 9:48:35 PM
Attachments: [SnowReportMarch2018_Aug20sm.pdf](#)

Dear Friends and Colleagues:

Several snow-focused groups were active this winter on the N. Slope and northern Brooks Range. It seemed worthwhile to pull the snow data together across the group and put it in one place, and it may prove of interest to you. It seems particularly relevant with impending opening of the Arctic Refuge.

Feel free to share this.

Matthew

--

Dr. Matthew Sturm
Geophysical Institute
University of Alaska-Fairbanks
907-474-5257
msturm1@alaska.edu

From: [Joanna Fox](#)
To: [Wendy Loya](#)
Subject: Good morning!
Date: Tuesday, August 21, 2018 10:28:24 AM

Hi Wendy,

Neither Steve nor I received the Draft EA with your reviewing priorities. It would be helpful for us to see your guidance to the reviewers so we can help move things along if necessary, and so that we are also able to focus on the right parts of the draft. Could you please forward that to both of us?

Hope you are having a good morning!

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

From: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Tuesday, August 21, 2018 10:49:50 AM

fyi-

Ed Decleva is on the Tiglax this week. He will be back on Aug. 27. I do not have an alternate to review the Prehistoric and Cultural Resource Sites.

On Mon, Aug 20, 2018 at 5:03 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Dear 1002 Team,

Attached is the draft Draft Seismic Environmental Assessment (aka Preliminary Seismic EA). We were not certain what the timeline for receive this was until last Friday, and now it is in our hands for internal review. It is a much shorter document, and your continued input and expertise is greatly needed.

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Similar comment format as for the draft DEIS: Comment forms are due COB Wednesday August 22nd to Wendy.

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Here is an outline for our approach:

0000008819

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2. If you have additional time, please review Chapter 3 (affected environment) for your resource. More extensive information is available in Appendix E (Specialist Reports), but I expect most of this came from FWS in our Draft Affected Environment submission earlier this summer. If you review either of these sections, your comments should be focused on providing recommended changes/additions of important information, including references.

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Chapter 2: Cross-reference Stips/ROPs with EIS: Wendy,

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Environmental Justice/Sociocultural: Hollis, Josh Ream, Carl

Prehistoric and Cultural Resource Sites: Ed

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Fish and Water Resources: Randy, John T,

Snow: Paul (not a subchapter, need to verify adequately described in EA)

Again, thank you for your time and expertise!!

Wendy

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)

--

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

From: [Berendzen, Steve](#)
To: [Wendy Loya](#)
Cc: [Joanna Fox](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Tuesday, August 21, 2018 10:59:06 AM

thanks, Wendy - Hollis is out in the field the next few days, so he won't be available to review this. Hopefully Josh and Carl can provide necessary coverage. Please let me know what you'd like me to review - if anything in particular.

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

On Tue, Aug 21, 2018 at 8:31 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

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: Wendy Loya <wendy_loya@fws.gov>
To: Stephanie Brady <stephanie_brady@fws.gov>, Sarah Conn <sarah_conn@fws.gov>, Lynnnda Kahn <lynnnda_kahn@fws.gov>, "Patrick O'Dell" <patrick_odell@fws.gov>, Hollis Twitchell <hollis_twitchell@fws.gov>, Joshua Ream <joshua_ream@fws.gov>, Edward Decleva <edward_decleva@fws.gov>, Jennifer Reed <jennifer_reed@fws.gov>, Paul Leonard <paul_leonard@fws.gov>, Roger Kaye <roger_kaye@fws.gov>, Jorgensons <[REDACTED]>, Stephen Arthur <stephen_arthur@fws.gov>, Ryan Wilson <ryan_r_wilson@fws.gov>, Charles Hamilton <charles_hamilton@fws.gov>, Christopher Putnam <christopher_putnam@fws.gov>, Ted Swem <ted_swem@fws.gov>, Randy Brown <randy_j_brown@fws.gov>, John Trawicki <john_trawicki@fws.gov>
Cc: Mary Colligan <mary_colligan@fws.gov>, Mitch Ellis <mitch_ellis@fws.gov>, Socheata Lor <socheata_lor@fws.gov>, Eric Taylor <eric_taylor@fws.gov>, Sara Boario <sara_boario@fws.gov>, Greg Siekaniec <greg_siekaniec@fws.gov>, Karen Clark <karen_clark@fws.gov>, Karen Murphy <karen_a_murphy@fws.gov>
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Again, thank you for your time and expertise!!

Wendy

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: [Lemons, Patrick](#)
To: [Wendy Loya](#)
Cc: [Mary Colligan](#)
Subject: Re: Timeline for EIS and EA
Date: Tuesday, August 21, 2018 11:06:24 AM

Thanks Wendy. Appreciate the help.

On Tue, Aug 21, 2018 at 9:04 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Patrick,

According to the schedule I have from BLM, the Leasing DEIS will be open for public review for 45 days from 10/17 through 12/1. For the Draft Seismic EA, FWS is not aware of how BLM will handle any the EA after we complete our preliminary review of the Draft.

Information for the EA should be posted on: <https://eplanning.blm.gov/epl-front-office/eplanning/projectSummary.do?methodName=renderDefaultProjectSummary&projectId=111085>

And for the EIS: <https://eplanning.blm.gov/epl-front-office/eplanning/planAndProjectSite.do?methodName=renderDefaultPlanOrProjectSite&projectId=102555>

So, I would encourage our Canadian colleagues to keep an eye on those for updates.

Thanks, if I hear more about the EA review, I will try to remember to share that with you, but don't hesitate to ask again 😊

Wendy

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: Lemons, Patrick <patrick_lemons@fws.gov>
Sent: Tuesday, August 21, 2018 8:35 AM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Colligan, Mary <mary_colligan@fws.gov>
Subject: Timeline for EIS and EA

Hi Wendy,

We've had a few inquiries from our Canadian colleagues regarding the timeline for the 1002 EIS and EA, specifically, when are they scheduled to be available for public comment. Is there a timeline and would it be appropriate for us to pass this on to colleagues outside of the Service?

Thanks,
Patrick

--

Patrick Lemons, Ph.D.
Chief, Marine Mammals Management
U.S. Fish and Wildlife Service
[1011 East Tudor Road](#)
[Anchorage, AK 99503](#)
Work: 907-786-3668
Cell: 907-717-6787
Fax: 907-786-3816
e-mail: patrick_lemons@fws.gov

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0000008828

Fax: 907-786-3816

e-mail: patrick_lemons@fws.gov

From: [Wendy Loya](#)
To: [Scott Guyer \(sguyer@blm.gov\)](#); [Eric Geisler](#)
Cc: [Paul Leonard](#)
Subject: FW: [EXTERNAL] North Slope Snow 2018
Date: Tuesday, August 21, 2018 5:07:00 PM
Attachments: [SnowReportMarch2018_Aug20sm.pdf](#)

Hi Scott and Eric,

I believe you both were involved in drafting sections of the coastal plain leasing EA that dealt with the importance of adequate snow cover for protecting veg and soils. I am sharing a white-paper from Sturm et al. regarding their recent (204-present) observations of north slope snow. b5 - DP
 Happy to discuss this further once we all have had a chance to read it carefully.

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)
907.227.2942 (mobile)

-----Original Message-----

From: Matthew Sturm <msturm1@alaska.edu>
Sent: Monday, August 20, 2018 7:48 PM
To: Fisher, Daniel - NRCS, Anchorage, AK <daniel.fisher@ak.usda.gov>; Sousanes, Pamela <pam_sousanes@nps.gov>; Head, Melissa M (DNR) <melissa.head@alaska.gov>; Greta Burkart <greta_burkart@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Wendy Loya <wendy_loya@fws.gov>; Paul Leonard <paul_leonard@fws.gov>; Craig George <Craig.George@north-slope.org>; Kyle Joly <kyle_joly@nps.gov>; Matt Macander <mamacander@abrinc.com>; Sveta Stuefer <sveta.stuefer@alaska.edu>; Scott.Goetz@nau.edu; Larsen Chris <chris.larsen@gi.alaska.edu>; Skip Walker <dawalker@alaska.edu>; Tako Reynolds <b6>; Christopher A. Hiemstra <b6>;
Entin <jared.k.entin@nasa.gov>; anne.nolin@gmail.com; Griffith, Peter C. (GSFC-618.0)[SIGMA SPACE CORPORATION] <peter.c.griffith@nasa.gov>
Subject: [EXTERNAL] North Slope Snow 2018

Dear Friends and Colleagues:

Several snow-focused groups were active this winter on the N. Slope and northern Brooks Range. It seemed worthwhile to pull the snow data together across the group and put it in one place, and it may prove of interest to you. It seems particularly relevant with impending opening of the Arctic Refuge.

Feel free to share this.

Matthew

--
Dr. Matthew Sturm
Geophysical Institute
University of Alaska-Fairbanks
907-474-5257

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msturm1@alaska.edu

From: [Crane, Drew](#)
To: [Wendy Loya](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Wednesday, August 22, 2018 10:29:18 AM

Hey Wendy,

Sorry I didn't get back to you yesterday. Is Sarah Conn reviewing this? I likely will not have time to dig into this today.

Sorry!

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 Tue, Aug 21, 2018 at 8:51 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Drew,

I am not sure what role you want to play in the draft Draft Seismic EA, but of course I would welcome your review of any and all sections...let me know if you have time and what you would be able to do!

Wendy

Dear 1002 Team,

Attached is the draft Draft Seismic Environmental Assessment (aka Preliminary Seismic EA). We were not certain what the timeline for receive this was until last Friday, and now it is in our hands for internal review. It is a much shorter document, and your continued input and expertise is greatly needed.

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Again, thank you for your time and expertise!!

Wendy

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: [Leonard, Paul](#)
To: [Wendy Loya](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Wednesday, August 22, 2018 11:25:31 AM
Attachments: [AdminDraftEA_agency_cmmt_Leonard.docx](#)

Hey Wendy,

Please find attached comments.

Cheers,
Paul

On Mon, Aug 20, 2018 at 5:03 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Dear 1002 Team,

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Snow: Paul (not a subchapter, need to verify adequately described in EA)

Again, thank you for your time and expertise!!

Wendy

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)

--

Paul Leonard, PhD

Science Coordinator

[Arctic LCC](#)

101 12th Ave. Room 216

Fairbanks, AK 99701

(907) 456-0445

From: [Joanna Fox](#)
To: [Wendy Loya](#)
Cc: [John Trawicki](#); [Steve Berendzen](#)
Subject: Re: plan for collating Prelim Draft EA comments
Date: Wednesday, August 22, 2018 12:20:17 PM

Hi Wendy,

I anticipate being available to assist with this tomorrow. I would appreciate it if you would assign me a section in the beginning or middle of the document, as I would have a much more difficult time determining how to reword or resolve conflicting comments pertaining to the physical science sections later in the document. You and John would be far more adept than I in those areas.

Thank you,
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 21, 2018 at 11:12 AM Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Joanna and John,

I am hoping you both will be available on Thursday morning to help edit and finalize comments for the draft Draft Seismic EA. What I propose is that I send out the collated list by Thursday morning at 830am with instruction on what pages we each will be responsible for. For example, Wendy will review pages 1-10, John 11-20 and Joanna 21-30 (pages TBD) as that seemed to work well for DEIS. We will look for duplicate or conflicting comments, and delete, reword or rewrite as needed in tracked changes. You can keep track of why you deleted by adding a note to the reviewer comment without tracked changes, then turn back on track changes and delete whole row, or by keeping track on a separate sheet for our records. Do not use a comment bubble, as that creates extra work to remove.

If we can try to get through those by mid-day Thursday, we can then pass them off to Mary for review. Mitch/Soch are out, so John T will review for Refuges ARD; Eric T is out, so won't get Mig birds review probably. I'll incorporate Mary's comments and any further

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edits Thurs pm/Friday am and present them to Greg and Karen on Friday.

Thanks, more soon,

Wendy

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: [Conn, Sarah](#)
To: [Wendy Loya](#)
Cc: [Charles Hamilton](#); [Christopher Putnam](#); [Ted Swem](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Wednesday, August 22, 2018 1:21:59 PM
Attachments: [AdminDraftEA_agency_cmmt_Conn.docx](#)

Hi Wendy and Marine Mammals Folks,

Please find attached my review comments for the Draft Preliminary Seismic EA. As requested I focused my review on Chapter 1, but took a quick look through other sections. Ted Swem is also super swamped so I took over his task and reviewed the Marine Mammals / Polar Bear sections, although I'm sure our Marine Mammals folks will have additional input (as you requested).

Thanks,

Sarah

On Tue, Aug 21, 2018 at 10:52 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Attached is an updated draft of the Preliminary Seismic EA and Appendix E with line numbers for your comment table input 😊

Dear 1002 Team,

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Again, thank you for your time and expertise!!

Wendy

Dr. Wendy M. Loya,

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Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

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907.227.2942 (mobile)

From: [Ryan Wilson](#)
To: [Wendy Loya](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Wednesday, August 22, 2018 2:06:18 PM
Attachments: [AdminDraftEA_agency_cmmt_WilsonR.docx](#)

Hi Wendy,
I've attached my comments to the draft EA. Please let me know if you have any questions.
Ryan

On Tue, Aug 21, 2018 at 10:52 AM Wendy Loya <wendy_loya@fws.gov> wrote:

Attached is an updated draft of the Preliminary Seismic EA and Appendix E with line numbers for your comment table input 😊

Dear 1002 Team,

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Again, thank you for your time and expertise!!

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

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907.786.3532 (office)

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--

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

From: [Wendy Loya](#)
To: [Nichelle \(Shelly\) Jones](#); [Sarah LaMarr](#); [Donna Wixon \(dwixon@blm.gov\)](#)
Cc: [Steve Berendzen](#); [Joanna Fox](#); [Joshua Rose](#); [Paul Leonard](#)
Subject: Report from Sturm et al. North Slope Snow 2018
Date: Wednesday, August 22, 2018 2:35:00 PM
Attachments: [SnowReportMarch2018_Aug20sm.pdf](#)

Dear Shelly, Sarah and Donna,

Attached is a summary of snow research for the North Slope from Dr. Matthew Sturm and others, that includes the Arctic Refuge Coastal Plain, central Arctic including foothills, and the coast of NPRA that I have received Monday and am looking at as we read the draft Draft EA. b5 - DP

b5 - DP

Let me know your thoughts

b5 - DP

As I have mentioned, FWS is working with Dr. Sturm to organize a snow workshop this October, where we hope to bring together federal, state, industry and university/research personnel involved with snow monitoring/seismic for a conversation about what information we have, what works well for each entity, and how to ensure we create reasonable and effective operating procedures for snow depth/density and coverage for seismic exploration and other activities. b5 - DP

Thanks!
Wendy

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

From: [Stephanie Brady](#)
To: [Wendy Loya](#)
Subject: Attached - edits to Seismic EA
Date: Wednesday, August 22, 2018 3:13:04 PM
Attachments: [AdminDraftEA_agency_cmmt_sbedits08212018.docx](#)

Attached are my edits for the seismic EA - please let me know if you need anything further. 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

From: [Kaye, Roger](#)
To: [Wendy Loya](#)
Cc: [Steve Berendzen](#); [Joanna Fox](#)
Date: Wednesday, August 22, 2018 3:26:31 PM
Attachments: [draft EA comments - Kaye.docx](#)

Hi Here's my comments on the EA draft. b5 - DP



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

From: [Christopher Putnam](#)
To: [Sarah Conn](#)
Cc: [Wendy Loya](#); [Charles Hamilton](#); [Ted Swem](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Wednesday, August 22, 2018 3:54:27 PM
Attachments: [AdminDraftEA_agency_cmmt_USFWS_CPutnam.docx](#)

Hi All,

Attached is the form with my comments for the Draft Preliminary Seismic EA.

Christopher Putnam
Supervisory Fish and Wildlife Biologist
Marine Mammals Management
U.S. Fish & Wildlife Service
1011 East Tudor Rd, MS 341
Anchorage, AK 99503-6199
907-786-3844 office
907-268-0577 mobile
907-786-3816 fax

"All that is gold does not glitter, not all those who wander are lost; the old that is strong does not wither, deep roots are not reached by the frost."
-- J.R.R. Tolkien

On Wed, Aug 22, 2018 at 11:21 AM Conn, Sarah <sarah_conn@fws.gov> wrote:

Hi Wendy and Marine Mammals Folks,

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Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

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From: [Torre&Janet Jorgenson](#)
To: [Wendy Loya](#); [Paul Leonard](#)
Subject: [EXTERNAL] EA edits
Date: Wednesday, August 22, 2018 5:04:41 PM
Attachments: [AdminDraftEA_agency_cmmt_JorgensonJ.docx](#)
[DraftEA-JJorgensonEdits8-22-18.docx](#)

Hello, see attached. Thanks! Let me know if questions. Let me know when you get this, because I have poor Internet connection here in Mn. Janet

Get [Outlook for Android](#)

From: [Lor, Socheata](#)
To: [Amee Howard](#)
Cc: [Wendy Loya](#); [Mitch Ellis](#); [Damberg, Doug](#); [Loranger, Andy](#); [Brady, Stephanie](#); [Ronnie Sanchez](#)
Subject: Re: Request for Updated Briefing Papers for Acting Director - 1002 leasing EIS and [REDACTED]
Date: Wednesday, August 22, 2018 5:08:52 PM
Attachments: [20180821_BP \[REDACTED\]](#)
[20180822_BP_Arctic 1002_Acting Director.docx](#)

Amee,

Attached are the BPs for [REDACTED] and Arctic 1002. Andy and Stephanie are working [REDACTED] and Andy will send them to you directly tomorrow.

I'm copying them and Ronnie on this (Ronnie will be acting for Mitch and me tomorrow when we're out of the office).

Let me know if you need anything else.

Soch

~~~~~  
*Socheata Lor, Ph.D.*  
*Deputy Assistant Regional Director - Region 7*  
*National Wildlife Refuge System*  
*U.S. Fish and Wildlife Service*  
*1011 E. Tudor Road*  
*Anchorage, AK 99503*  
*Office: 907.786.3420*  
*Cell: 907.891.6194*  
~~~~~

On Tue, Aug 21, 2018 at 1:21 PM, Amee Howard <amee_howard@fws.gov> wrote:
Thanks All!

Let me know if I can assist in any way.

Amee

On Tue, Aug 21, 2018 at 1:20 PM Lor, Socheata <socheata_lor@fws.gov> wrote:
We got this.

Soch

~~~~~  
*Socheata Lor, Ph.D.*  
*Deputy Assistant Regional Director - Region 7*  
*National Wildlife Refuge System*  
*U.S. Fish and Wildlife Service*  
[1011 E. Tudor Road](#)  
[Anchorage, AK 99503](#)  
*Office: 907.786.3420*  
*Cell: 907.891.6194*  
~~~~~

On Tue, Aug 21, 2018 at 9:33 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Mitch and Soch,

Can you guys find someone in Refuges to help with the 1002 briefing? We got the draft EA and I am in over my head again this week, and that is where my expertise is better spent. I can answer any questions about specifics, but don't have time to do the writing or find a previous version to edit....

Please?

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)

907.227.2942 (mobile)

From: Amee Howard <amee_howard@fws.gov>

Sent: Monday, August 20, 2018 3:47 PM

To: Mitch Ellis <mitch_ellis@fws.gov>; Socheata Lor <socheata_lor@fws.gov>; Wendy Loya <wendy_loya@fws.gov>; Andy Loranger <andy_loranger@fws.gov>

Cc: Sara Boario <sara_boario@fws.gov>; Nathan Wiese <nathan_wiese@fws.gov>; Mary Colligan <mary_colligan@fws.gov>; Lucille Frerich <lucille_frerich@fws.gov>

Subject: Request for Updated Briefing Papers for Acting Director - 1002 leasing EIS and

b5 - DP (and not related to Arctic)

Hi All,

Greg would like to get a few updated briefing papers into DTS for Jim Kurth. There were a few topics that Greg Sheehan was closely following, for Refugees [REDACTED] b5 - DP (and not related to Arctic), Arctic Refuge -1002 Leasing EIS, b5 - DP (and not related to Arctic). Jim is likely already fielding questions on these topics.

To get a jump on this task, you will find attached - a draft [REDACTED] b5 - DP (and not related to Arctic) b5 - DP (and not related to Arctic) "Director's BP format", a draft for the [REDACTED] b5-DP (and not related to Arctic) and the BP template. I still need updated BPs for our participation in the Arctic oil and gas leasing EIS and an update for our part [REDACTED] b5 - DP (and not related to Arctic) b5 - DP (and not related to Arctic)

Please review the attached, edit as needed.

Additional note: In the FY19 Senate Appropriations Committee report they are asking the Department for a briefing [REDACTED] b5 - DP (and not related to Arctic). I would anticipate the Department asking us for this info mid to late September in preparation for their briefing. We will be ahead of the curve!

Let me know if you have any questions or if I can assist. The BPs will need to go through normal surname and then uploaded to DTS. Greg would like to have these final and in DTS by COB Thursday.

Thanks so much!

Amee

--

Amee Howard

Congressional and State Liaison

U.S. Fish & Wildlife Service

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

[Get Inspired](#)

--

Amee Howard

Congressional and State Liaison

U.S. Fish & Wildlife Service

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

[Get Inspired](#)

From: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Wednesday, August 22, 2018 5:49:21 PM
Attachments: [AdminDraftEA_agency_cmnt. JTdocx.docx](#)

having a wonderful time

On Tue, Aug 21, 2018 at 10:52 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Attached is an updated draft of the Preliminary Seismic EA and Appendix E with line numbers for your comment table input 😊

Dear 1002 Team,

Attached is the draft Draft Seismic Environmental Assessment (aka Preliminary Seismic EA). We were not certain what the timeline for receive this was until last Friday, and now it is in our hands for internal review. It is a much shorter document, and your continued input and expertise is greatly needed.

This is a DRAFT for FWS; it will also undergo review by BLM State Office before it is revised and released to the Public as a Draft EA. **As with the draft Leasing DEIS, 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 respected partner.** There will be time for the public and the media to review a draft when it is ready, but this is a draft we are working on with BLM towards a final draft for them to share. Our draft if marked FWS and traceable back to us; please do not share.

Similar comment format as for the draft DEIS: Comment forms are due COB Wednesday August 22nd to Wendy.

POCs will collate your comments and ask for ARD review on Thursday 23rd, and FWS will submit collated comments after Regional Director's office review on Friday August 24th.

Also attached are Appendix B (maps), Appendix F (specialist reports) and the comment response table. BLM is continuing to work on other appendices, but if there is one referenced in the EA that you would like to review, let Wendy know and she will arrange to send you a draft.

0000008860

Here is an outline for our approach:

1. Given the very short turnaround, we would like you to focus your review on Chapters 4 (Environmental Impacts) and 5 (Cumulative Effects), which will also necessitate reading Chapter 2 (Proposed Action and Alternatives). We can make the greatest contribution by considering how well the impacts are analyzed and conveyed, and making specific suggestions on what further analyses are needed. It is less important to worry about wording, spelling and editorial suggestions. There isn't time for extensive edits, so let's help BLM provide a solid analysis of the impacts.

2. If you have additional time, please review Chapter 3 (affected environment) for your resource. More extensive information is available in Appendix E (Specialist Reports), but I expect most of this came from FWS in our Draft Affected Environment submission earlier this summer. If you review either of these sections, your comments should be focused on providing recommended changes/additions of important information, including references.

Below is a matchup of resource sections 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.

Chapter 1: Stephanie, Sarah

Chapter 2: Wendy, Lynnda K, Pat O'Dell

Chapter 2: Cross-reference Stips/ROPs with EIS: Wendy,

Chapters 4 and 5:

Subsistence: Hollis, Josh, Carl

Environmental Justice/Sociocultural: Hollis, Josh Ream, Carl

Prehistoric and Cultural Resource Sites: Ed

Recreation: Jen

Visual Resources: Paul, others

Wilderness: Roger

Wild & Scenic Rivers: Jen

Special designations/MPA:

Vegetation: Janet, Paul (snow cover)

Soils and Permafrost: Janet

Caribou: Steve, Ryan if available

Terrestrial Mammals: Steve, Ryan if available

Marine Mammals: Charlie?

Polar Bears: Ryan, Christopher, Charlie, Ted

Fish and Water Resources: Randy, John T,

Snow: Paul (not a subchapter, need to verify adequately described in EA)

Again, thank you for your time and expertise!!

Wendy

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)

--

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

From: [Kahn, Lynnda](#)
To: [Wendy Loya](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Wednesday, August 22, 2018 6:40:35 PM
Attachments: [AdminDraftEA_agency_cmmt\(LK\).docx](#)

Okay Wendy, there are 22 pages, depicting a total of 44 comments. Let me know if they don't all come through....as for some reason, when I go to print them, at times, not all of them come through.

Lynnda

Lynnda Kahn | Fish & Wildlife Biologist

*Kenai National Wildlife Refuge
P.O. Box 2139 | Soldotna, AK 99669
(907) 260-2818*



On Tue, Aug 21, 2018 at 10:52 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Attached is an updated draft of the Preliminary Seismic EA and Appendix E with line numbers for your comment table input ☺

Dear 1002 Team,

Attached is the draft Draft Seismic Environmental Assessment (aka Preliminary Seismic EA). We were not certain what the timeline for receive this was until last Friday, and now it is in our hands for internal review. It is a much shorter document, and your continued input and expertise is greatly needed.

This is a DRAFT for FWS; it will also undergo review by BLM State Office before it is revised and released to the Public as a Draft EA. **As with the draft Leasing DEIS, 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 respected partner.** There will be time for the public and the media to review a draft when it is ready, but this is a draft we are working on with BLM towards a final draft for them to share. Our draft if marked FWS and traceable back to us; please do not share.

Similar comment format as for the draft DEIS: Comment forms are due COB Wednesday August 22nd to Wendy.

rd

POCs will collate your comments and ask for ARD review on Thursday 23 , and FWS will submit collated comments after Regional Director's office review on Friday August 24thth.

Also attached are Appendix B (maps), Appendix F (specialist reports) and the comment response table. BLM is continuing to work on other appendices, but if there is one referenced in the EA that you would like to review, let Wendy know and she will arrange to send you a draft.

Here is an outline for our approach:

1. Given the very short turnaround, we would like you to focus your review on Chapters 4 (Environmental Impacts) and 5 (Cumulative Effects), which will also necessitate reading Chapter 2 (Proposed Action and Alternatives). We can make the greatest contribution by considering how well the impacts are analyzed and conveyed, and making specific suggestions on what further analyses are needed. It is less important to worry about wording, spelling and editorial suggestions. There isn't time for extensive edits, so let's help BLM provide a solid analysis of the impacts.

2. If you have additional time, please review Chapter 3 (affected environment) for your resource. More extensive information is available in Appendix E (Specialist Reports), but I expect most of this came from FWS in our Draft Affected Environment submission earlier this summer. If you review either of these sections, your comments should be focused on providing recommended changes/additions of important information, including references.

Below is a matchup of resource sections 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.

Chapter 1: Stephanie, Sarah

Chapter 2: Wendy, Lynnda K, Pat O'Dell

Chapter 2: Cross-reference Stips/ROPs with EIS: Wendy,

Chapters 4 and 5:

Subsistence: Hollis, Josh, Carl

Environmental Justice/Sociocultural: Hollis, Josh Ream, Carl

Prehistoric and Cultural Resource Sites: Ed

Recreation: Jen

Visual Resources: Paul, others

Wilderness: Roger

Wild & Scenic Rivers: Jen

Special designations/MPA:

Vegetation: Janet, Paul (snow cover)

Soils and Permafrost: Janet

Caribou: Steve, Ryan if available

Terrestrial Mammals: Steve, Ryan if available

Marine Mammals: Charlie?

Polar Bears: Ryan, Christopher, Charlie, Ted

Fish and Water Resources: Randy, John T,

Snow: Paul (not a subchapter, need to verify adequately described in EA)

Again, thank you for your time and expertise!!

Wendy

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: [Berendzen, Steve](#)
To: [Loya, Wendy](#)
Subject: EA comments
Date: Wednesday, August 22, 2018 6:42:14 PM
Attachments: [Berendzen Seismic EA Comments.docx](#)

Wendy, b5 - DP



Thanks for all your work on this, and we're really grateful for the Regional Office reviewers who participated.

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

From: [Johnson, Carl](#)
To: [Wendy Loya](#)
Subject: Comments on Seismic EA
Date: Wednesday, August 22, 2018 6:52:32 PM
Attachments: [AdminDraftEA_agency_cmmt-OSM.docx](#)

Hi Wendy,

Here are my comments on the EA for the SAExploration seismic application for the Coastal Plain. Thanks for the opportunity to comment.

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

Like us on [Facebook!](#)

From: [Reed, Jennifer](#)
To: [Wendy Loya](#)
Cc: [Steve Berendzen](#); [Joanna Fox](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Wednesday, August 22, 2018 9:07:51 PM
Attachments: [140L6318F0003 AdminDraftEA BLM-agency-cmmts 20180822 ReedJ.docx](#)

Please find attached my comments for the Preliminary Seismic EA.

Thank you!

From: [Steve Berendzen](#)
To: [Wendy Loya](#)
Subject: Re: EA comments
Date: Wednesday, August 22, 2018 9:22:17 PM

Steve A is out of contact & we don't know when he's getting back in. You had Ryan listed also- Ryan who?

Sent from my iPhone

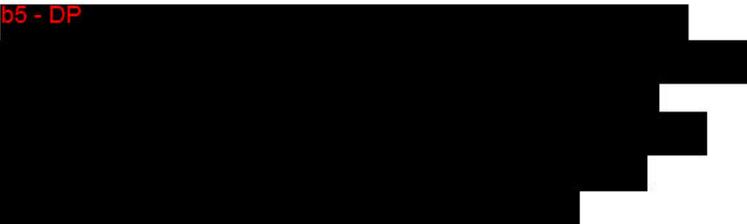
On Aug 22, 2018, at 4:47 PM, Wendy Loya ad <wendy_loya@fws.gov> wrote:

Thank you Steve! I got comments from Janet, which is great. Have not heard from Steve Arthur or Jen, but this was unscheduled. Carl in OSM is reviewing the subsistence sections.

Thanks!
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)

On Aug 22, 2018, at 16:42, Berendzen, Steve <steve_berendzen@fws.gov> wrote:

Wendy, b5 - DP 



Thanks for all your work on this, and we're really grateful for the Regional Office reviewers who participated.

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

<Berendzen Seismic EA Comments.docx>

From: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: Fwd: Requested flight altitudes AGL over NWRs
Date: Thursday, August 23, 2018 10:30:45 AM
Attachments: [Untitled attachment 00041.txt](#)
[IMG 2579.PNG](#)

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

From: **Heather Wilson** <heather_wilson@fws.gov>
Date: Tue, Aug 14, 2018 at 6:36 PM
Subject: Requested flight altitudes AGL over NWRs
To: john_trawicki@fws.gov

b5 - DP



--
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

From: [Johnson, Carl](#)
To: [Wendy Loya](#)
Subject: Re: Comments on Seismic EA
Date: Thursday, August 23, 2018 10:54:17 AM
Attachments: [AdminDraftEA_agency_cmmt-OSM.docx](#)

Wendy,

Based on our discussion, here are my revised comments.

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

Like us on [Facebook!](#)

On Thu, Aug 23, 2018 at 8:02 AM, Johnson, Carl <carl_johnson@fws.gov> wrote:
Wendy,

You can find it all here under Summary of Key Findings:

b5 - DP

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

Like us on [Facebook!](#)

On Wed, Aug 22, 2018 at 9:29 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Carl, do you have citations we can include with this comment:

b5 - DP

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)

907.227.2942 (mobile)

From: Johnson, Carl <carl_johnson@fws.gov>

Sent: Wednesday, August 22, 2018 4:52 PM

To: Wendy Loya <wendy_loya@fws.gov>

Subject: Comments on Seismic EA

Hi Wendy,

Here are my comments on the EA for the SAExploration seismic application for the Coastal Plain. Thanks for the opportunity to comment.

Carl Johnson, J.D.

Supervisory Program Analyst

[Office of Subsistence Management](#)

[1011 E. Tudor Road,](#)

[Anchorage, AK 99503](#)

[\(907\) 786-3676](#)

Like us on [Facebook!](#)

From: [Joanna Fox](#)
To: [Wendy Loya](#)
Subject: Re: Help with editing comments on draft Draft Seismic EA
Date: Thursday, August 23, 2018 11:50:26 AM
Attachments: [140L6318F0003_AdminDraftEA_BLM-agency-cmmts_20180823_0100_FWScombined_JFoxedits.docx](#)

Hi Wendy,

I completed the edits that I was assigned, and have highlighted them in an equally cheerful yellow color. I did this so that you could easily locate them, as I moved a couple of them so the comments would all flow with the document in a sequential order, and because numbering changed when I combined and deleted others.

I also added a remark (also highlighted in yellow) to one of your comments. I only noted it because I was going to make the same comment - b5 - DP

Hope I wasn't too slow, and that Mary will have sufficient time to give this a good review!

Thank you,
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 Thu, Aug 23, 2018 at 1:02 AM Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Joanna, John and Paul,

I have combined all of the comments we received on the draft Draft Seismic EA in the attached file. **Comments needing attention are highlighted in a cheerful blue color 😊**

I have tried to assign comments to each of you to address, which may require editing, deleting, combining and/or screaming :0! Please look for your name in the righthand column under Remarks/how resolved. Please remove the comment and highlights when you are done, save with your initials in the filename and send back.

You can see what I am recommending we delete and make a plea to keep it if you wish.
~~Those items have strikethrough text.~~

I will tackle the vegetation ones and those without a name, unless you see something that you really want to do! I'll send specific questions to Ryan and Carl, and any others that are named.

The sooner we can get this done, the sooner we can get to Mary for review. 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)

907.227.2942 (mobile)

From: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: Re: Help with editing comments on draft Draft Seismic EA
Date: Thursday, August 23, 2018 1:12:10 PM
Attachments: [140L6318F0003_AdminDraftEA_BLM-agency-cmmts_20180823_0100_FWScombinedJT2.docx](#)

FYI

comment related to BMP 7 exceeds 1 page and therefore is not completely visible in the table.

On Thu, Aug 23, 2018 at 1:02 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Joanna, John and Paul,

I have combined all of the comments we received on the draft Draft Seismic EA in the attached file. **Comments needing attention are highlighted in a cheerful blue color ☺**

I have tried to assign comments to each of you to address, which may require editing, deleting, combining and/or screaming :0! Please look for your name in the righthand column under Remarks/how resolved. Please remove the comment and highlights when you are done, save with your initials in the filename and send back.

You can see what I am recommending we delete and make a plea to keep it if you wish. ~~Those items have strikethrough text.~~

I will tackle the vegetation ones and those without a name, unless you see something that you really want to do! I'll send specific questions to Ryan and Carl, and any others that are named.

The sooner we can get this done, the sooner we can get to Mary for review. 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)

907.227.2942 (mobile)

--

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

						b5 - DP [Redacted]
b5 - DP [Redacted]						
			[Redacted]			b5 - DP [Redacted]

--
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

From: [Leonard, Paul](#)
To: [Wendy Loya](#)
Subject: Re: Help with editing comments on draft Draft Seismic EA
Date: Thursday, August 23, 2018 2:37:31 PM
Attachments: [140L6318F0003_AdminDraftEA_BLM-agency-cmmts_20180823_0100_FWScombined_pbl.docx](#)

attached.

Cheers,
Paul

On Thu, Aug 23, 2018 at 1:02 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Joanna, John and Paul,

I have combined all of the comments we received on the draft Draft Seismic EA in the attached file. **Comments needing attention are highlighted in a cheerful blue color ☺**

I have tried to assign comments to each of you to address, which may require editing, deleting, combining and/or screaming :0! Please look for your name in the righthand column under Remarks/how resolved. Please remove the comment and highlights when you are done, save with your initials in the filename and send back.

You can see what I am recommending we delete and make a plea to keep it if you wish. ~~Those items have strikethrough text.~~

I will tackle the vegetation ones and those without a name, unless you see something that you really want to do! I'll send specific questions to Ryan and Carl, and any others that are named.

The sooner we can get this done, the sooner we can get to Mary for review. Thank you!

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

0000008880

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

--

Paul Leonard, PhD

Science Coordinator

[Arctic LCC](#)

101 12th Ave. Room 216

Fairbanks, AK 99701

(907) 456-0445

From: [Jones, Nichelle \(Shelly\)](#)
To: [Berendzen, Steve](#)
Cc: [Loya, Wendy](#); [Joanna Fox](#)
Subject: Re: Discussion of Snow/Frost Depth Monitoring
Date: Thursday, August 23, 2018 3:02:50 PM

This pass code is not working for me. I will try one more time. Perhaps if you get this message you can call me on my cell

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

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

On Wed, Aug 22, 2018 at 4:15 PM, Berendzen, Steve <steve_berendzen@fws.gov> wrote:

Shelly, we're planning on a conference call at 1:00 tomorrow (Thursday). We'll use conference line **b5 - CIP** with passcode **b5 - CIP**

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

From: [Trawicki, John](#)
To: [Wendy Loya](#); [Mary Colligan](#)
Subject: Re: FWS comments on preliminary Draft Seismic EA for ARD review
Date: Thursday, August 23, 2018 3:15:53 PM

Wendy-

Ronnie will also take a quick look for appropriateness of comments, but will leave technical issues to us. I will provide him a hard copy to work from.

john t

On Thu, Aug 23, 2018 at 12:55 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Mary and Mitch/Soch/John,

Attached are staff comments on the draft of the Seismic EA. I did a first cut on duplicative, conflicting or beyond-the-scope of our expertise or EA comments. Joanna and John T then helped me rectify the conflicts or add language for more specific recommendations. Overall, I think they look good and staff once again did a great job working through the document on a short timeline while highlighting important recommended changes. There is one comment on snow coverage highlighted in blue we are still working on this afternoon.

Big picture item for discussion with RDs tomorrow b5-DP

I will develop a transmittal memo after the RDT meeting tomorrow and we discuss big picture concerns from ARDs.

Since Mitch, Soch and Eric are out, Mary this is really just you ☺ John T will have a read of the entire document as well. Hoping to get to Greg and Karen tomorrow morning, so keep me posted on your timeline.

Thank you,

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

0000008883

Anchorage, Alaska

907.786.3532 (office)

907.227.2942 (mobile)

--

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

From: [Hamilton Charles](#)
To: [Wendy Loya](#)
Subject: AS mentioned
Date: Thursday, August 23, 2018 5:13:16 PM

Hi Wendy, the report is two big to send as an email, but you can download it at below, see results for walrus beginning on page 108.

https://www.afsc.noaa.gov/nmml/cetacean/bwasp/ASAMM_2016_Final_Annual_Report.pdf

Link to previous year reports is:

<https://www.afsc.noaa.gov/nmml/cetacean/bwasp/index.php>

--

Regards,

Charles S. Hamilton
Special Assistant
Marine Mammals Management
U.S. Fish and Wildlife Service
1011 East Tudor Rd., MS-341
Anchorage, AK 99503
Voice: (907) 786-3804
FAX: (907) 786 - 3816

From: [Trawicki, John](#)
To: [Colligan, Mary](#); [Wendy Loya](#)
Subject: Re: AE review
Date: Thursday, August 23, 2018 5:42:58 PM
Attachments: [140L6318F0003_AdminDraftEA_BLM-agency-cmmts_20180823_1300_FWScombined_it.docx](#)

her you go

On Thu, Aug 23, 2018 at 3:24 PM, Colligan, Mary <mary_colligan@fws.gov> wrote:

I started editing the version I have now but can transfer comments over or whatever works best...

On Thu, Aug 23, 2018 at 3:23 PM, Trawicki, John <john_trawicki@fws.gov> wrote:

I will have NWRS updates complete in about 10 minutes and will forward for you to work from

--

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

--

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

--

John Trawicki
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From: [Amee Howard](#)
To: [Wendy Loya](#)
Subject: Final BP for Acting Director
Date: Thursday, August 23, 2018 5:44:08 PM
Attachments: [08.23.18 Arctic Coastal Plain 1002.docx](#)

Hi Wendy,
FYI - here is the final BP that Lucy uploaded to DTS for your records.

Thanks so much!
Amee

--

Amee Howard
Congressional and State Liaison
U.S. Fish & Wildlife Service
Anchorage, Alaska
Office: (907)786-3509
Mobile: (907)229-8575
[Get Inspired](#)

From: [Trawicki, John](#)
To: [Wendy Loya](#)
Subject: Re: AE review
Date: Thursday, August 23, 2018 5:46:58 PM

Wendy-

Just thinking about the b5 - DP

just thinking

On Thu, Aug 23, 2018 at 3:42 PM, Trawicki, John <john_trawicki@fws.gov> wrote:
her you go

On Thu, Aug 23, 2018 at 3:24 PM, Colligan, Mary <mary_colligan@fws.gov> wrote:
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George Bernard Shaw

From: [Colligan, Mary](#)
To: [Trawicki, John](#)
Cc: [Wendy Loya](#)
Subject: Re: AE review
Date: Thursday, August 23, 2018 5:48:54 PM

Okay - I will transfer my comments over into this one. I will keep plugging away at this - but will not finish it until tonight.

On Thu, Aug 23, 2018 at 3:42 PM, Trawicki, John <john_trawicki@fws.gov> wrote:
her you go

On Thu, Aug 23, 2018 at 3:24 PM, Colligan, Mary <mary_colligan@fws.gov> wrote:
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907-786-3505
cell: 907-223-5945

From: [O'Dell, Patrick](#)
To: [Wendy Loya](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Thursday, August 23, 2018 6:28:00 PM

Hi Wendy,

I have been out of the office, so am way behind the curve on providing input on this Seismic EA. I did review the entire EA and have some general observations - b5 - DP

[Redacted]

b5 - DP
[Redacted]

b5 - DP
[Redacted]

Pat O'Dell
Petroleum Engineer
National Wildlife Refuge System
Division of Natural Resources
Office: 303-236-4365
Mobile: 303-204-9439
patrick_odell@fws.gov

On Mon, Aug 20, 2018 at 7:03 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Dear 1002 Team,

Attached is the draft Draft Seismic Environmental Assessment (aka Preliminary Seismic EA). We were not certain what the timeline for receive this was until last Friday, and now it is in our hands for internal review. It is a much shorter document, and your continued input and expertise is greatly needed.

This is a DRAFT for FWS; it will also undergo review by BLM State Office before it is revised and released to the Public as a Draft EA. **As with the draft Leasing DEIS, 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 respected partner.** There will be time for the public and the media to review a draft when it is ready, but this is a draft we are working on with BLM towards a final draft for them to share. Our draft is marked FWS and traceable back to us; please do not share.

Similar comment format as for the draft DEIS: Comment forms are due COB Wednesday August 22nd to Wendy.

POCs will collate your comments and ask for ARD review on Thursday 23rd, and FWS will submit collated comments after Regional Director's office review on Friday August 24th.

Also attached are Appendix B (maps), Appendix F (specialist reports) and the comment response table. BLM is continuing to work on other appendices, but if there is one referenced in the EA that you would like to review, let Wendy know and she will arrange to send you a draft.

Here is an outline for our approach:

- 1. Given the very short turnaround, we would like you to focus your review on Chapters 4 (Environmental Impacts) and 5 (Cumulative Effects), which will also necessitate reading Chapter 2 (Proposed Action and Alternatives). We can make the greatest contribution by considering how well the impacts are analyzed and conveyed, and making specific suggestions on what further analyses are needed.** It is less important to worry about wording, spelling and editorial suggestions. There isn't time for extensive edits, so let's help BLM provide a solid analysis of the impacts.
- 2. If you have additional time, please review Chapter 3 (affected environment) for your resource.** More extensive information is available in Appendix E (Specialist Reports), but I expect most of this came from FWS in our Draft Affected Environment submission earlier this summer. If you review either of these sections, your comments should be focused on providing recommended changes/additions of important information, including references.

Below is a matchup of resource sections 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.

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Recreation: Jen

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Marine Mammals: Charlie?

Polar Bears: Ryan, Christopher, Charlie, Ted

Fish and Water Resources: Randy, John T,

Snow: Paul (not a subchapter, need to verify adequately described in EA)

Again, thank you for your time and expertise!!

Wendy

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: [Colligan, Mary](#)
To: [Trawicki, John](#)
Cc: [Wendy Loya](#)
Subject: Re: AE review
Date: Thursday, August 23, 2018 11:52:25 PM
Attachments: [140L6318F0003 AdminDraftEA BLM-agency-cmmts 20180823 1300 FWScombined jt MAC.docx](#)

Wendy and John - I have attached my comments and suggested edits. I added a couple new comments as well - please take a look at those and make sure you are comfortable with them. I highlighted b5 - DP

Please let me know if you have any questions or concerns on my edits and comments. Sorry there is such a quick turn around on this!

Thanks
Mary

On Thu, Aug 23, 2018 at 3:42 PM, Trawicki, John <john_trawicki@fws.gov> wrote:
her you go

On Thu, Aug 23, 2018 at 3:24 PM, Colligan, Mary <mary_colligan@fws.gov> wrote:
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On Thu, Aug 23, 2018 at 3:23 PM, Trawicki, John <john_trawicki@fws.gov> wrote:
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--
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
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George Bernard Shaw

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Mary Colligan
Assistant Regional Director
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John Trawicki
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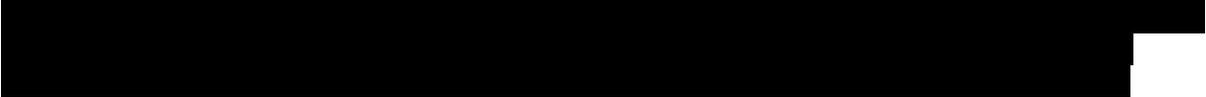
--

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

From: [Bud Cribley](#)
To: [Wendy Loya](#)
Subject: Re: FW: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Friday, August 24, 2018 8:35:43 AM

Wendy,

I was thinking about our conversation yesterday and reviewing this draft EA. b5 - DP



Bud

On Mon, Aug 20, 2018 at 9:14 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Hey Bud,

Are you still out there? Here is info on the draft of the Draft Seismic EA.

Best regards,

Wendy

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: Monday, August 20, 2018 5:04 PM

Dear 1002 Team,

Attached is the draft Draft Seismic Environmental Assessment (aka Preliminary Seismic EA). We were not certain what the timeline for receive this was until last Friday, and now it is in our hands for internal review. It is a much shorter document, and your continued input and expertise is greatly needed.

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Marine Mammals: Charlie?

Polar Bears: Ryan, Christopher, Charlie, Ted

Fish and Water Resources: Randy, John T,

Snow: Paul (not a subchapter, need to verify adequately described in EA)

Again, thank you for your time and expertise!!

Wendy

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)

--

Bud C Cribley

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

Office # 202-208-4331

Cell # 907-717-5141

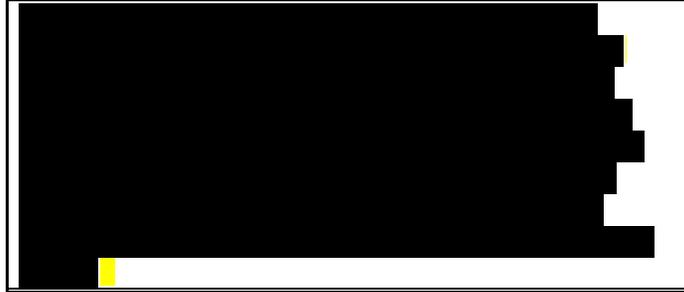
Office # MIB 3341

email: bud_cribley@fws.gov

From: [Colligan, Mary](#)
To: [Wendy Loya](#); [Trawicki, John](#)
Subject: 3 more things
Date: Friday, August 24, 2018 10:11:58 AM

Wendy and John - I checked with Patrick this morning on a few **b5 - DP**

b5 - DP



Thank you (and sorry)

--
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

From: [Colligan, Mary](#)
To: [Wendy Loya](#)
Subject: correction
Date: Friday, August 24, 2018 1:21:11 PM

Wendy - Christopher **b5 - DP**



SORRY

--

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

From: [Colligan, Mary](#)
To: [Wendy Loya](#)
Subject: Re: further edits to EA comments
Date: Friday, August 24, 2018 3:23:18 PM
Attachments: [140L6318F0003_AdminDraftEA_BLM-agency-cmmts_20180824_1300_FWScombined.docx](#)

Wendy - I just looked at #1 and 207 in the interest of time. If there are other significant changes made since my review or any other areas you want me to look at, please let me know.

b5 - DP

Thanks

On Fri, Aug 24, 2018 at 12:49 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Mary,

Would you please have a look and please provide edits/additions to comment 1 as you see fit. Please also look at #207 and edit as needed to ensure **b5 - DP**. Hopefully these are then ready for Greg.

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)

907.227.2942 (mobile)

--

Mary Colligan

0000008905

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

From: [Leonard, Paul](#)
To: [Wendy Loya](#)
Subject: Heads-up
Date: Friday, August 24, 2018 3:57:59 PM

I spoke with Melissa Head today about the instruments from beaded streams. DNR uses them exclusively. b5-DP [REDACTED]

[REDACTED] I need to get more info on that.

b5 - DP [REDACTED]

Hope that helps

Cheers,
Paul

--

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

From: [Kahn, Lynnda](#)
To: [Wendy Loya](#)
Cc: [Andy Loranger](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Friday, August 24, 2018 4:09:29 PM

Hi Wendy, **b5 - DP**

Lynnda

Lynnda Kahn | Fish & Wildlife Biologist

*Kenai National Wildlife Refuge
P.O. Box 2139 | Soldotna, AK 99669
(907) 260-2818*

><(((0>_.. ^ _ ^ _><(((0>_.. ^ _ ^ _><(((0>_.. ^ _ ^ _><(((0>_.. ^ _ ^ _><(((0>

On Thu, Aug 23, 2018 at 4:56 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Lynnda,

Just wanted to follow up and thank you again for your comments on the preliminary Seismic EA for the Arctic Refuge Coastal Plain. Although you haven't been involved in many direct conversations on this, your comments were really helpful and showed a level of knowledge and experience we lack otherwise. I also really appreciate the ideas **b5 - DP**

Again, thank you!!

Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

Office of Science Applications, US Fish and Wildlife Service

Anchorage, Alaska

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 respected partner. There will be time for the public and the media to review a draft when it is ready, but this is a draft we are working on with BLM towards a final draft for them to share. Our draft if marked FWS and traceable back to us; please do not share.

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Again, thank you for your time and expertise!!

Wendy

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](#)
To: [Nichelle \(Shelly\) Jones](#); [Donna Wixon \(dwixon@blm.gov\)](mailto:dwixon@blm.gov); [Sarah LaMarr](#)
Cc: [Greg Siekaniec](#); [Karen Clark](#); [Mary Colligan](#); [Mitch Ellis](#); [Steve Berendzen](#); [Joanna Fox](#); [Bud Cribley \(bud_cribley@fws.gov\)](mailto:bud_cribley@fws.gov)
Subject: FWS comments on Preliminary Seismic EA
Date: Friday, August 24, 2018 5:54:00 PM
Attachments: [AdminDraft_Seismic_EA_agency-cmmts_20180824_FWScombined.docx](#)

Hi Shelly,

Attached are comments from the US Fish and Wildlife Service after reviewing the Preliminary Marsh Creek 3-D Seismic Environmental Assessment for the Arctic Refuge Coastal Plain.

We look forward to continue to work with you and your team on the assessment. Please contact me at 907-786-3532 or wendy_loya@fws.gov with any questions.

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)
907.227.2942 (mobile)

From: [Jones, Nichelle \(Shelly\)](#)
To: [Wendy Loya](#)
Cc: [Donna Wixon](#); [Sarah LaMarr](#); [Greg Siekaniec](#); [Karen Clark](#); [Mary Colligan](#); [Mitch Ellis](#); [Steve Berendzen](#); [Joanna Fox](#); [Bud Cribley](#)
Subject: Re: FWS comments on Preliminary Seismic EA
Date: Saturday, August 25, 2018 2:16:17 PM

Thank you Wendy and all. We appreciate the time and effort that went into the comments and making the dead line. We look forward to working through them next week. I'm sure we will be in touch!

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

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

On Fri, Aug 24, 2018 at 3:54 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Shelly,

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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)

907.227.2942 (mobile)

From: [Wendy Loya](#)
To: [Timothy Vosburgh](#)
Subject: RE: Matthew's snow paper
Date: Monday, August 27, 2018 10:20:00 AM

Hi Tim,

Sorry I didn't get back to you this weekend, but glad to see Matthew did. Let me know if any of our team can be of help , including Janet Jorgenson who is retired but is a FWS volunteer to help with the veg parts of NEPA and some refuge research.

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)
907.227.2942 (mobile)

From: Vosburgh, Timothy <tvosburgh@blm.gov>
Sent: Saturday, August 25, 2018 4:46 PM
To: Wendy Loya <Wendy_loya@fws.gov>
Subject: Matthew's snow paper

Hi Wendy
Would you send me a copy of M. Sturm et al. north slope snow paper.
Thanks
Tim

From: [Guyer, Scott](#)
To: [Sarah LaMarr](#); [Timothy Vosburgh](#); [Wixon, Donna](#); [Eric Geisler](#); [Edmonds, Joseph](#); [Leonard, Paul](#); [Wendy Loya](#)
Subject: Comment responses for the Seismic EA
Date: Monday, August 27, 2018 4:57:27 PM
Attachments: [Comment_Response_Matrix_Final_SG.docx](#)

Donna,
Attached are my responses to the external comments focusing on vegetation impacts. Let me know if you have any questions, thanks!

--

Scott Guyer
Landscape Initiatives Coordinator
Alaska State Office
907-223-6759 (wk cell)

***"Not the victory but the action, Not the goal but the game,
In the deed the Glory!"***

From: [Wendy Loya](#)
To: [Nicole Hayes](#)
Subject: Recommended language for ROPS similar to A-4 and A-5
Date: Monday, August 27, 2018 6:09:00 PM

Hi Nicole,

The FWS originally made the following recommendations for Alt D, to include ROPS similar to A-4 and A-5 in the IAP. Although our comments may reflect more restrictive language, we would recommend the following:

A-4 Best Management Practice

Objective: Minimize the impact of contaminants on fish, wildlife, and the environment; including wetlands, marshes and marine waters; as a result of fuel, crude oil, and other liquid chemical spills. Protect subsistence resources and subsistence activities. Protect public health and safety.

Requirement/Standard: Before initiating any oil and gas or related activity or operation, including field research/surveys and/or seismic operations, lessees/permittees shall develop a comprehensive spill prevention and response contingency plan per 40 CFR § 112 (Oil Pollution Act). The plan shall consider and take into account the following requirements:

- a. **On-site Clean-up Materials.** Sufficient oil-spill-cleanup materials (absorbents, containment devices, etc.) shall be stored at all fueling points and vehicle-maintenance areas and shall be carried by field crews on all overland moves, seismic work trains, and similar overland moves by heavy equipment.
- b. **Storage Containers.** Fuel and other petroleum products and other liquid chemicals shall be stored in proper containers at approved locations. Except during overland moves and seismic operations, fuel, other petroleum products, and other liquid chemicals designated by the authorized officer that in total exceed 1,320 gallons shall be stored within an impermeable lined and diked area or within approved alternate storage containers, such as over packs, capable of containing 110% of the stored volume. In areas within 500 feet of waterbodies, fuel containers are to be stored within appropriate containment.
- c. **Liner Materials.** Liner material shall be compatible with the stored product and capable of remaining impermeable during typical weather extremes expected throughout the storage period.
- d. **Permanent Fueling Stations.** Permanent fueling stations shall be lined or have impermeable protection to prevent fuel migration to the environment from overfills and spills.
- e. **Proper Identification of Containers.** All fuel containers, including barrels and propane tanks, shall be marked with the responsible party's name, product type, and year filled or purchased.
- f. **Notice of Reportable Spills.** Notice of any reportable spill (as required by 40 CFR § 300.125 and 18 AAC § 75.300) shall be given to the authorized officer as soon as possible, but no later than 24 hours after occurrence.
- g. **Identification of Oil Pans ("duck ponds").** All oil pans shall be marked with the responsible party's name.

A-5 Best Management Practice

Objective: Minimize the impact of contaminants from refueling operations on fish, wildlife, and the environment.

Requirement/Standard: Refueling of equipment within 500 feet of the active floodplain of any water body is prohibited. Fuel storage stations shall be located at least 500 feet from any water body with the exception of small caches (up to 210 gallons) for motor boats, float planes, ski planes, and small equipment, e.g., portable generators and water pumps, will be permitted. The authorized officer may allow storage and operations at areas closer than the stated distances if properly designed to account for local hydrologic conditions.

Dr. Wendy M. Loya,
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From: [Wendy Lova](#)
To: [Nicole Hayes](#)
Subject: Stip 5: Polar bear critical habitat/high den occurrence areas
Date: Monday, August 27, 2018 6:10:00 PM
Attachments: [image007.png](#)

Hi Nicole,

With regards to your inquiry about the rationale for the 5 mi buffer on two watersheds described in the current Stip #5:

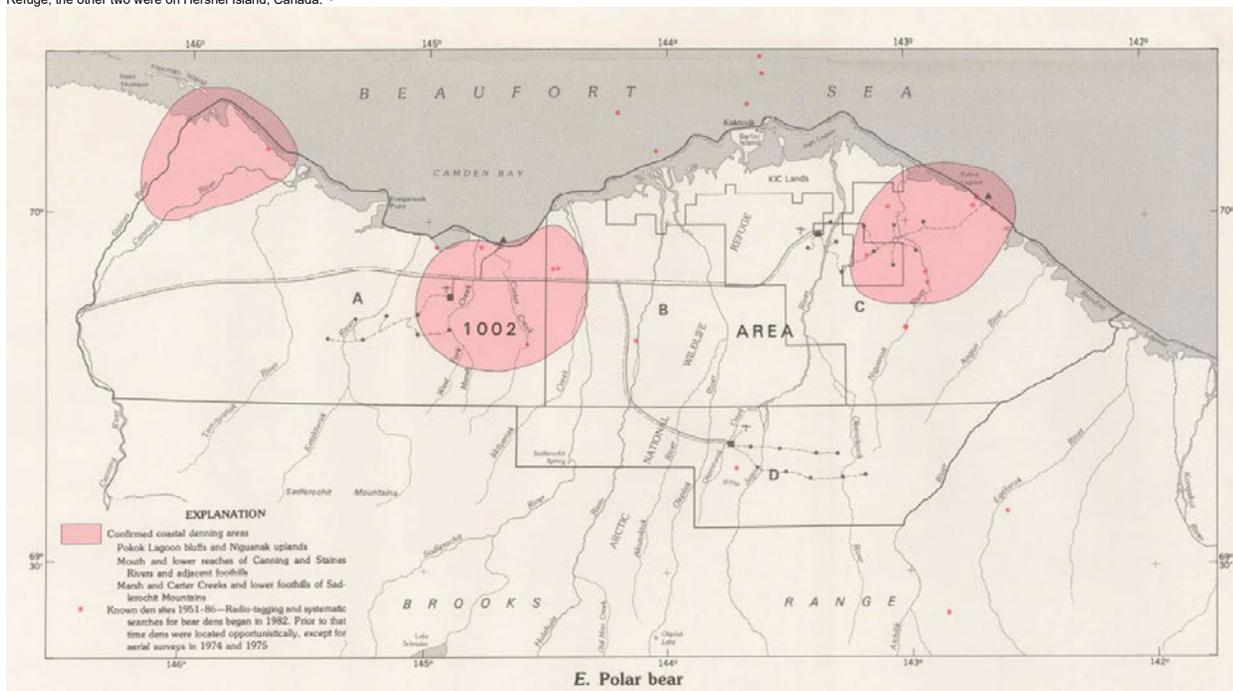
The objective is to minimize disturbance to denning polar bears, and disturbance or alteration of key river and creek maternal denning habitat areas.

Standard:

- a. 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, Katakaturuk Creek, Nularvik Creek, Marsh Creek, Carter Creek, and Itkilyariak Creek unless alternative protective measures are approved by the authorized officer in consultation with the U.S. Fish and Wildlife Service.
- b. From the coastline to 5 miles inland, between October 30 and April 15 of any year, operators shall not conduct oil and gas activities within 1-mile of potential polar bear denning habitat on the Niguanak River, Katakaturuk Creek, Nularvik Creek, Marsh Creek, Carter Creek, and Itkilyariak Creek unless alternative protective measures are approved by the authorized officer in consultation with the U.S. Fish and Wildlife Service.

These areas have long been where polar bear dens have most frequently been found. In the 1987 EIS (Clough et al.) provided the following text and map :

Three different parts of the 1002 area (pi. 1E) have been generally delineated as confirmed denning areas, that is, areas in which polar bear dens and denning activity have been observed during more than one winter. Dens or denning activities have also been observed in other 1002 area locations, but data are inadequate to confirm recurrent use. Ten of the 12 land dens found through radio telemetry studies (1981-86) have been located on the Arctic Refuge; the other two were on Hershel Island, Canada. ~



Those areas are included in the USGS Polar Bear Critical Habitat Map and additional den locations have been confirmed since 1986 by the USGS. Pearce et al. 2018 present the following map that captures the previous data plus additional locations through 2010 in their recent summary of biological resources in the 1002 area. This pattern likely through present although I don't have data from USGS for 2010-2018.

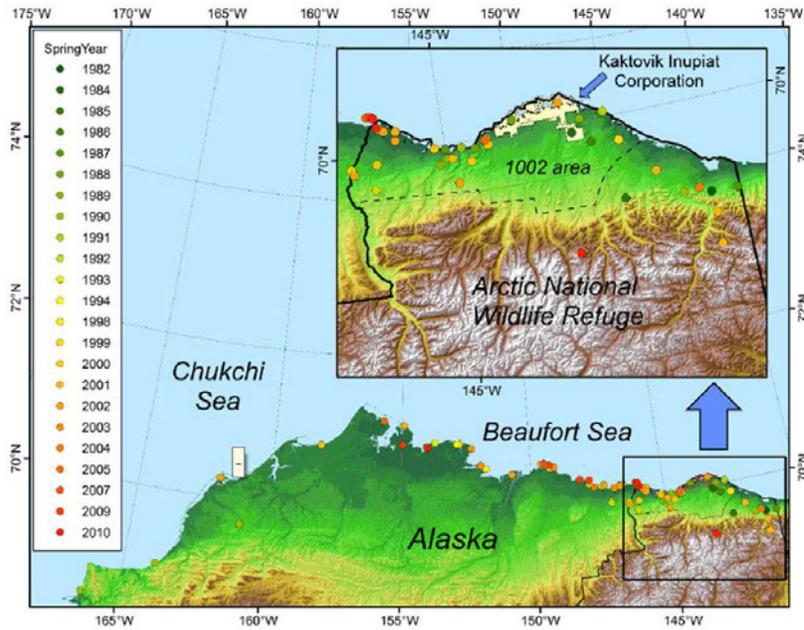
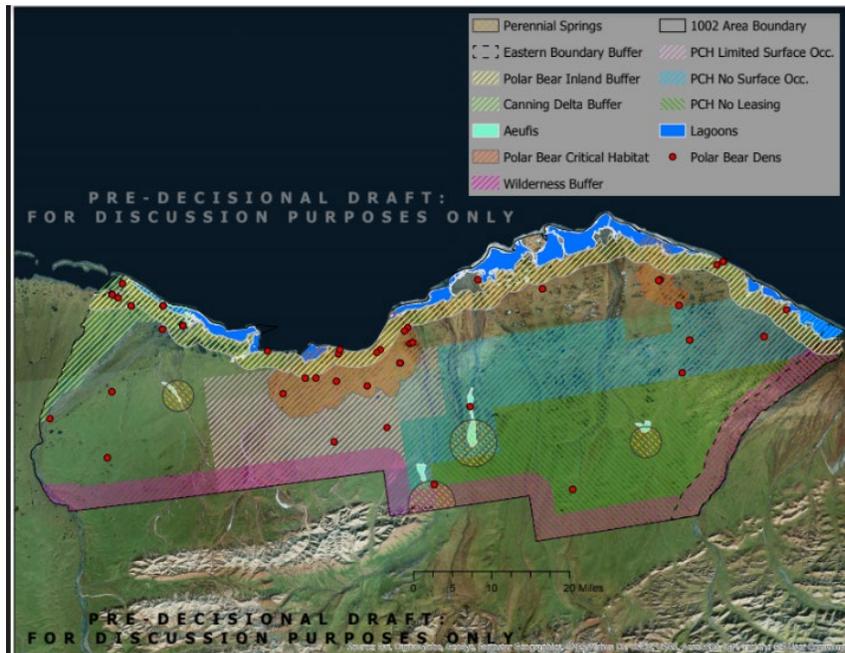


Figure 4. Map showing polar bear maternal dens on land or fast ice discovered with very high frequency (VHF) or satellite telemetry along north coast, Alaska, 1982–2010. Polar bears den during winter and “Spring Year” denotes the year the den was exited. The dashed line shows the approximate boundary of the 1002 Area, Arctic National Wildlife Refuge, Alaska.

And here are those data overlapping with 1 mi buffer up to 5 miles inland as well as the coastal buffer and Canning Delta Buffer that all work together to reduce the likelihood polar bear disturbance and human-bear interactions.



Thank you for the opportunity to provide information on this important stipulation. If I receive additional information from USGS for 2010-present, I will forward that as a supplement.

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)
907.227.2942 (mobile)

From: [Wendy Loya](#)
To: "rellefs@blm.gov"
Cc: [Greg Siekaniec](#); [Steve Berendzen](#)
Subject: FWS Staff attending Equipment and operations review
Date: Tuesday, August 28, 2018 10:40:00 AM

Hi Rob,

Below is the list of four FWS staff that will be able to participate on the Thursday Seismic presentation by SAE. Greg is away at a meeting, so I am forwarding this on his behalf. I do imagine that the group will need transportation in Deadhorse; Steve can be the point of contact for logistics.

Steve Berendzen, Arctic Refuge Manger
Joanna Fox, Arctic Refuge Deputy Manager
Paul Leonard, Arctic Science Coordinator (Snow Studies lead)
Lynnda Kahn, Oil and Gas Coordinator Kenai NWR (advisory role to Coastal Plain)

Thank you, let me know if you have any questions or need more info from FWS.

Wendy

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: Monday, August 27, 2018 4:44 PM
To: Greg Siekaniec <greg_siekaniec@fws.gov>
Cc: Steve Berendzen <steve_berendzen@fws.gov>
Subject: FWS Staff attending Equipment and operations review

Greg,

It looks like we have a good team put together to attend the SAE presentation:
Steve Berendzen, Arctic Refuge Manger
Joanna Fox, Arctic Refuge Deputy Manager
Paul Leonard, Arctic Science Coordinator (Snow Studies lead)
Lynnda Kahn, Oil and Gas Coordinator Kenai NWR (advisory role to Coastal Plain)

I also sent the invite to Ecological Services, and if I get a response tomorrow morning about further possible attendees, I will let you know. Please share with BLM and SAE, or let me know to do so.

Thank you!
Wendy

0000008923

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: Greg Siekaniec <greg_siekaniec@fws.gov>
Sent: Monday, August 27, 2018 1:45 PM
To: wendy_loya@fws.gov; steve_berendzen@fws.gov
Subject: Fwd: [EXTERNAL] Equipment and operations review

FYI

Sent from my iPhone

Begin forwarded message:

From: Rick Trupp <rtrupp@saexploration.com>
Date: August 27, 2018 at 10:30:24 AM AKDT
To: Jeff Hastings <jhastings@saexploration.com>, Ted Murphy <t75murph@blm.gov>
Cc: "greg_siekaniec@fws.gov" <greg_siekaniec@fws.gov>
Subject: RE: [EXTERNAL] Equipment and operations review

Ted/Greg,

We could plan to prepare a presentation on seismic and our typical operations strategy with a question and answer. Then we could go and visit our pad site to view our equipment and have demonstrated a vibrator and navigation operational for your viewing or other vehicles of your choice. Let me know your availability and interest.

There is a flight up in the morning from either anc into Deadhorse and a flight out on the 5:25 flight or the 2:20 flight as it stands right now depending how much time interests your group and where they may all be coming from.

ANC-SCC 7:35a-9:14a
SCC-ANC 2:20p-4:18p or 5:25-8:57p

Tentative Agenda for a 7:35 flight/5:25 departure
10-11:30a Presentation at Deadhorse aviation center
11:45-12:45p Lunch at Aurora
1:00-2:30p Demonstration at Pad
3:00 Return to SAE shop for Q&A
5:25p Departure

If people need to leave at 2:20p, we could be more efficient with our presentation and demonstrations assuming all flights are on time but we are flexible. Please let me know at your earliest so we can get flights and arrangements in

place.

Thanks
Rick

-----Original Message-----

From: Jeff Hastings
Sent: Monday, August 27, 2018 9:17 AM
To: Ted Murphy <t75murph@blm.gov>
Cc: greg_siekaniec@fws.gov; Rick Trupp <rtrupp@saexploration.com>
Subject: RE: [EXTERNAL] Equipment and operations review

Rick could you fill Ted and Greg in on the format. Ted you would coordinate with Rick.

Thanks

Jeff

-----Original Message-----

From: Ted Murphy <t75murph@blm.gov>
Sent: Monday, August 27, 2018 10:14 AM
To: Jeff Hastings <jhastings@saexploration.com>
Cc: greg_siekaniec@fws.gov
Subject: Re: [EXTERNAL] Equipment and operations review

Thanks Jeff, what might the participants expect to see? Who would we coordinate with?

Thanks, Ted

Sent from my iPhone

On Aug 27, 2018, at 8:42 AM, Jeff Hastings
<jhastings@saexploration.com> wrote:

Good morning Ted. We wanted to extend an invitation to you and your staff to view some of the equipment as well as have us provide additional information on our operations. We could host a group of BLM and USFW staff on Thursday this week in Deadhorse if that works for you. I do not have Greg Siekaniec's email contact. Could you provide me with that or forward him this email as well.

Let us know if there is any interest

Regards

Jeff Hastings
Chairman and Chief Executive Officer
SAExploration Inc.
Jhastings@saexploration.com

907 229 0150

250 300 0403

Sent from my iPhone

potential application of SPOT technology to help mitigate the potential for environmental impact to exploration and drilling activities in the high Arctic. Her team is reviewing permit applications with a tight deadline this week. I was able to provide her with sufficient input to meet her deadline by COB today, but it would be helpful if you folks could assist her in identifying the most recent vendors (contact information) that supplied plastic sleds, fuel bladders and tractors for SPOT. -Thank you in advance for your assistance.)

Lynnda, In addition, Jim and I can be available to assist Fish & Wildlife and/or the drilling/exploration teams to design/modify systems that would be most efficient for their intended purpose as well as to mitigate as much as possible the potential for environmental impact. I will note that though we are a DoD lab, we do work on a cost-reimbursable basis to perform this type of work. Finally, we have an Alaska presence with an office in Fairbanks that might also be helpful to you in this or future projects.

Please let me know if you have any questions or require additional information. We wish you the best of luck.

Best regards,

- Jason

Jason C. Weale, P.E.

Arctic Program Manager

Acting Arctic S&T SME to NORAD-USNORTHCOM J8 S&T

Research Civil Engineer

Engineer Research and Development Center (ERDC)

Cold Regions Research & Engineering Lab (CRREL)

[72 Lyme Road](#)

[Hanover, NH 03755](#)

phone: 603 646-4231

mobile: [REDACTED]

fax: 603 646-4820

email: [REDACTED]

email: [REDACTED]

On Wed, Aug 22, 2018 at 9:17 AM, Weale, Jason C ERDC-RDE-CRREL-NH CIV
<[REDACTED]> wrote:

Hello Lynnda,

I can be available for a call this week if that works for you.

Best regards,

- Jason

Jason C. Weale, P.E.

Arctic Program Manager

Acting Arctic S&T SME to NORAD-USNORTHCOM J8 S&T

Research Civil Engineer

Engineer Research and Development Center (ERDC)

Cold Regions Research & Engineering Lab (CRREL)

72 Lyme Road

Hanover, NH 03755

phone: 603 646-4231

From: [Kahn, Lynnda](#)
To: [Wendy Loya](#); [Steve Berendzen](#); [Joanna Fox](#)
Cc: [Andy Loranger](#); [Stephen Miller](#)
Subject: Polar Traverse Technology - Engineer Research and Development Center
Date: Tuesday, August 28, 2018 6:41:43 PM

Here is an article I think you will find interesting:

<http://www.erd.c.usace.army.mil/Media/FactSheets/FactSheetArticleView/tabid/9254/Article/655489/polar-traverse-technology.aspx>

From: [Jones, Nichelle \(Shelly\)](#)
To: [Murphy, Ted](#); [Nolan Heath](#); [Michael Gieryc](#); [Wendy Loya](#); [Steve Berendzen](#); [Fox, Joanna](#); [Joshua Rose](#)
Cc: [Stacie McIntosh](#); [Donna Wixon](#); [LaMarr, Sarah](#)
Subject: Seismic EA CH.3-5 for Marine Mammals-Seals and Whales
Date: Wednesday, August 29, 2018 11:11:24 AM
Attachments: [Draft Seismic EA Chapter 3 - Seals and Whales Burns no refs \(2\).docx](#)
[Draft Seismic EA Chapter 4 & 5 - Seals and Whales Burns \(1\).docx](#)

Attached are the sections Casey Burns drafted for the seismic EA. Comments soon would be appreciated.

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

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

From: [Wendy Loya](#)
To: [Nichelle \(Shelly\) Jones](#); [Ted Murphy](#); [Nolan Heath](#); [Michael Gieryic](#); [Steve Berendzen](#); [Joanna Fox](#); [Joshua Rose](#)
Cc: [Stacie McIntosh](#); [Donna Wixon](#); [Sarah LaMarr](#)
Subject: RE: Seismic EA CH.3-5 for Marine Mammals-Seals and Whales
Date: Wednesday, August 29, 2018 12:12:00 PM

Hi Shelly,

Thank you for the opportunity to review the chapters on Seals and Whales for the preliminary Coastal Plain/March Fork 3D Seismic EA. As these species are within the jurisdiction of NMFS, FWS will not be providing comments. However, we recommend providing this document for NMFS review, if you haven't already.

Sincerely,
Wendy

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

From: Jones, Nichelle (Shelly) <njones@blm.gov>
Sent: Wednesday, August 29, 2018 9:11 AM
To: Murphy, Ted <t75murph@blm.gov>; Nolan Heath <nheath@blm.gov>; Michael Gieryic <mike.gieryic@sol.doi.gov>; Wendy Loya <>wendy_loya@fws.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Fox, Joanna <joanna_fox@fws.gov>; Joshua Rose <joshua_rose@fws.gov>
Cc: Stacie McIntosh <s05mcint@blm.gov>; Donna Wixon <dwixon@blm.gov>; LaMarr, Sarah <slamarr@blm.gov>
Subject: Seismic EA CH.3-5 for Marine Mammals-Seals and Whales

Attached are the sections Casey Burns drafted for the seismic EA. Comments soon would be appreciated.

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

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

From: [jorgenson](#) b6
To: [wendy_loya@fws.gov](#); [paul_leonard@fws.gov](#); [stephen_arthur@fws.gov](#); [joanna_fox@fws.gov](#); [stephen_berentzen@fws.gov](#); [greta_burkhart@fws.gov](#)
Subject: [EXTERNAL] More comments for EA and/or EIS
Date: Wednesday, August 29, 2018 4:11:09 PM
Attachments: [8-2018LetterRegardingJCCommentsin5-2018on1002seismic_SAE_PlanOfOps.docx](#)
[SeismicSurveyVehicleTable1984,1985,2016.xlsx](#)
[Suggest aerial tour of 1002 area 8-28-18.docx](#)

Hello, I am still on vacation in Minnesota but here are a few documents I've gotten together with misc. comments for the EA if there is still time. If it's too late, you at least have this information to consider for next steps in the process b5 - DP

I haven't received any emails about this since sending my comments on the 22nd. Remember to send any emails to this home email of mine, since I probably will not be back in Fairbanks until after Sept. 24 and don't have access to my fws email. I would like to stay informed on what is going on with the EA and EIS. Please write if any questions. Also attached is a suggested b5 - DP

I never really finished it, but am sending what I have. I'll include it in this email to all of you, just so you see b5 - DP

Thanks, Janet

From: [Ellefson, Robert](#)
To: rtrupp@saexploration.com
Cc: [Steve Berendzen](#); [Paul Leonard](#); [Randy Goodwin](#); [Lynnda Kahn](#); [Sherman Hogue](#); [Joanna Fox](#); [Ted Murphy](#); [Shelly Jacobson](#); [Loya, Wendy](#); [Greg Siekaniec](#)
Subject: Thursdays SAE Tour of Seismic Equipmemnt
Date: Wednesday, August 29, 2018 5:20:00 PM

Rick - There looks to be seven that will need a pickup at the airport tomorrow morning. As far as I know, we are all coming in on the 915 am arrival. See you then.

Tomorrow's roster:

USFWS

Steve Berendzen, Arctic Refuge Manger

Joanna Fox, Arctic Refuge Deputy Manager

Paul Leonard, Arctic Science Coordinator (Snow Studies lead)

Lynnda Kahn, Oil and Gas Coordinator Kenai NWR (advisory role to Coastal Plain)

BLM

Rob Ellefson, Special Projects Assistant to the State Director, Alaska State Office

Randy Goodwin, Travel Management, Visual Resources, and Lands with Wilderness Characteristics Lead, Alaska State Office

Sherman Hogue, Public Affairs Specialist and Videographer, New Mexico State Office

SAE has provided the following Tentative Agenda for the visit:

10a-11:30a -- Presentation on seismic and the typical operations strategy at Deadhorse aviation center

11:45a-12:45p -- Lunch at Aurora

1:00-2:30p -- SAE Equipment Yard; visit pad site to view equipment and demonstrate a vibrator, transports, and other operations equipment.

3:00p -- Return to SAE shop for Q&A

5:25p - Departure

Rob Ellefson

Special Assistant, Alaska State Office

Bureau of Land Management

Office: 907-271-4194

Cell: 907-301-8362

rellefso@blm.gov

From: [Wendy Loya](#)
To: [Patrick Lemons](#); [James Wilder](#)
Subject: Canada, polar bear, 1002
Date: Wednesday, August 29, 2018 5:39:00 PM
Importance: High

Hi Patrick and Jim,

Can one of you call me this afternoon or email with a sentence for a powerpoint pres for Greg that captures if Canada has any concerns about oil and gas program in 1002 an polar bears?

Mary mentioned concerns may have been raised and should be included.

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)
907.227.2942 (mobile)

From: [Wendy Loya](#)
To: [Mary Colligan](#)
Subject: FW: Canada, polar bear, 1002
Date: Wednesday, August 29, 2018 6:48:00 PM

Hi Mary,

I wasn't able to track down concerns or parties concerned that Jim or Patrick were aware of, can you possibly provide me with a bullet point for the Canada-Polar bear concerns? I must have missed how we became aware of their concerns and/or what their concerns are. I will add that to the final slide below the caribou treaty info.

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)
907.227.2942 (mobile)

From: Wilder, James <james_wilder@fws.gov>
Sent: Wednesday, August 29, 2018 4:07 PM
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Patrick Lemons <patrick_lemons@fws.gov>
Subject: Re: Canada, polar bear, 1002

Not that I know of, although of course they are very worried about caribou.

Canada does intend to comment on the various NEPA docs, ITRs etc. related to 1002.

On Wed, Aug 29, 2018 at 3:39 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Patrick and Jim,

Can one of you call me this afternoon or email with a sentence for a powerpoint pres for Greg that captures if Canada has any concerns about oil and gas program in 1002 an polar bears?

Mary mentioned concerns may have been raised and should be included.

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)
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--

James M. Wilder
Marine Mammals Management, Polar Bear Program Leader
U.S. Fish and Wildlife Service
1011 E. Tudor Rd., MS341
Anchorage, AK 99503

Office Phone: [\(907\) 786-3913](tel:9077863913)
Email: james_wilder@fws.gov
Fax: [\(907\) 786-3816](tel:9077863816)

From: [Wendy Loya](#)
To: [Tracy Fischbach](#)
Cc: [Jennifer Reed](#)
Subject: FW: Time sensitive: WSR management guidelines?
Date: Thursday, August 30, 2018 10:26:00 AM
Importance: High

Hi Tracy,

Jen asked me to ask you to forward to me your email response to her from Aug 27th on WSR management (got that??? 😊). BLM is looking for a citation on our WSR management guidelines, and I believe I can derive that from the exchange.

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)
907.227.2942 (mobile)

From: Wendy Loya <wendy_loya@fws.gov>
Sent: Wednesday, August 29, 2018 4:35 PM
To: Jennifer Reed <jennifer_reed@fws.gov>
Subject: Time sensitive: WSR management guidelines?
Importance: High

Hi Jen,

BLM is asking for a citation regarding WSR management guidelines. I asked if specifically for Arctic Refuge or in general, and she replied "a regulation, policy or guidance." I would imagine if we had anything specific to Arctic Refuge it would be in CCP, could you find if there is and share with me? If not, but there is general guidance on WSR management as a policy/regulation, can you share the citation with me?

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)
907.227.2942 (mobile)

From: [Wendy Loya](#)
To: [Nicole Hayes](#)
Subject: FWS WSR management guidelines citation
Date: Thursday, August 30, 2018 11:33:00 AM

Nicole,

I believe this is the citation you need:

U.S. Fish & Wildlife Service. 2006. Preplanning guidance for comprehensive conservation plans: a handbook. 82 pp. https://www.fws.gov/policy/Preplanning_Handbook.pdf

In support, I received the following info from Refuge staff:

The FWS handbook for comprehensive planning (https://www.fws.gov/policy/Preplanning_Handbook.pdf) states that River Studies should be conducted in large scale planning efforts, and on page 72 specifically the following:

“Current guidance includes the National Wild and Scenic Rivers Act of 1968, National Wild and Scenic Rivers System; Final Revised Guidelines for Eligibility, Classification and Management of River Areas issued jointly by the Department of the Interior and the Department of Agriculture (FR-9/7/82) and the technical papers developed by the Interagency Wild and Scenic Rivers Coordinating Council (IWSRCC) for the WSR Reference Guide. The Reference Guide is available online at <http://www.nps.gov/rivers/>.

This means that by the act, the following guidance applies to FWS-administered eligible rivers until they are found not suitable, and all suitable rivers until Congress decides to not include them in the system: Federal managers of recommended rivers are obligated to use existing management authorities to “protect, and where possible, enhance” Wild and Scenic River Values (River Values include free flow, water quality, outstandingly remarkable values, and river classification at the time of eligibility).”

Let me know if you need additional information,
Wendy

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: [Fischbach, Tracy](#)
To: [Wendy Loya](#); [Jennifer Reed](#)
Subject: Re: Quick question (ha)!
Date: Thursday, August 30, 2018 12:21:25 PM
Attachments: [DOI Manual National Rivers & Trails 37 Part 710.docx](#)

Sorry and one more DOI Manual Chapter on National Rivers and Trails. DM 710.

Tracyann S Fischbach
Natural Resources Planner
U.S. Fish & Wildlife Service
National Wildlife Refuge System-Alaska
(907)786-3369 (office)
(907)342-5328 (work cell)
Hours: Mon - Thurs 6:45 am - 4:15 pm; Friday 7 - 11 am

Planning Questions - [Go to our Website](#) (DOI Only)

Note: This email and any attachments are subject to the Freedom of Information Act (FOIA) and may be disclosed to third parties.

On Thu, Aug 30, 2018 at 10:16 AM Fischbach, Tracy <tracy_fischbach@fws.gov> wrote:

Hi all,

Yes, there is no updated handbook for CCPs and the current CCP policy written in 2000 also still stands. The policy basically says to go look at the handbook and then does direct us to consider "Existing special management areas, or the potential for such designations (e.g., wilderness, research natural areas, and wild and scenic rivers)." That's in 602 FW 3.4 (C)(1)(e)(xx).

-Tracy

Tracyann S Fischbach
Natural Resources Planner
U.S. Fish & Wildlife Service
National Wildlife Refuge System-Alaska
(907)786-3369 (office)
(907)342-5328 (work cell)
Hours: Mon - Thurs 6:45 am - 4:15 pm; Friday 7 - 11 am

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Note: This email and any attachments are subject to the Freedom of Information Act (FOIA) and may be disclosed to third parties.

On Thu, Aug 30, 2018 at 9:15 AM Fischbach, Tracy <tracy_fischbach@fws.gov> wrote:

FYI - Is this the email discussion you were looking for?

Tracyann S Fischbach

Natural Resources Planner
U.S. Fish & Wildlife Service
National Wildlife Refuge System-Alaska
(907)786-3369 (office)
(907)342-5328 (work cell)
Hours: Mon - Thurs 6:45 am - 4:15 pm; Friday 7 - 11 am

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

From: **Fischbach, Tracy** <tracy_fischbach@fws.gov>
Date: Mon, Aug 27, 2018 at 9:05 AM
Subject: Re: Quick question (ha)!
To: Jennifer Reed <jennifer_reed@fws.gov>

I think that is still the current handbook, but there is a new CCP policy that was in the works but got put aside for this administration. Basically, the Service is assuming that we aren't doing any comprehensive planning right now unless we have to. Regardless of all that, I think the W&SR language still stands. That wouldn't have changed in any new guidelines.

-T

Tracyann S Fischbach
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Planning Questions - [Go to our Website](#) (DOI Only)

Note: This email and any attachments are subject to the Freedom of Information Act (FOIA) and may be disclosed to third parties.

On Fri, Aug 24, 2018 at 12:13 PM Reed, Jennifer <jennifer_reed@fws.gov> wrote:

Is this our most up-to-date handbook for comprehensive planning:

https://www.fws.gov/policy/Preplanning_Handbook.pdf?

I ask because our handbook for comprehensive planning

(https://www.fws.gov/policy/Preplanning_Handbook.pdf) states that River Studies should be conducted in large scale planning efforts, and on page 72 specifically the following:

"Current guidance includes the National Wild and Scenic Rivers Act of 1968, National Wild and Scenic Rivers System; Final Revised Guidelines for Eligibility, Classification and Management of River Areas issued jointly by the Department of the Interior and the Department of Agriculture (FR-9/7/82) and the

technical papers developed by the Interagency Wild and Scenic Rivers Coordinating Council (IWSRCC) for the WSR Reference Guide. The Reference Guide is available online at <http://www.nps.gov/rivers/>."

This means that by the act, the following guidance applies to FWS-administered eligible rivers until they are found not suitable, and all suitable rivers until Congress decides to not include them in the system: Federal managers of recommended rivers are obligated to use existing management authorities to "protect, and where possible, enhance" Wild and Scenic River Values (River Values include free flow, water quality, outstandingly remarkable values, and river classification at the time of eligibility)."

Right?

From: [Decleva, Edward](#)
To: [Wendy Loya](#)
Subject: Re: Review of Coastal Plain Preliminary Seismic EA: Please comment by Weds 8/22 COB
Date: Thursday, August 30, 2018 1:42:32 PM

Hi Wendy,

I was in the field, and I know it's too late, but I did read through the two documents. For what it's worth, I feel that cultural resources have been sufficiently addressed in the draft documents, therefore I have no comments.

Best regards,
Ed

Edward J. DeCleva
Regional Historic Preservation Officer
U.S. Fish and Wildlife Service, Alaska Region
1011 E Tudor Rd, MS-235
Anchorage, AK 99503

edward_decleva@fws.gov
907-786-3399

On Tue, Aug 21, 2018 at 10:52 AM Wendy Loya <wendy_loya@fws.gov> wrote:

Attached is an updated draft of the Preliminary Seismic EA and Appendix E with line numbers for your comment table input 😊

Dear 1002 Team,

Attached is the draft Draft Seismic Environmental Assessment (aka Preliminary Seismic EA). We were not certain what the timeline for receive this was until last Friday, and now it is in our hands for internal review. It is a much shorter document, and your continued input and expertise is greatly needed.

This is a DRAFT for FWS; it will also undergo review by BLM State Office before it is revised and released to the Public as a Draft EA. **As with the draft Leasing DEIS, 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 respected partner.** There will be time for the public and the media to review a draft when it is ready, but this is a draft we are working on with BLM towards a final draft for them to share. Our draft if marked FWS and traceable back to us; please do not share.

Similar comment format as for the draft DEIS: Comment forms are due COB Wednesday August 22nd to Wendy.

POCs will collate your comments and ask for ARD review on Thursday 23rd, and FWS will submit collated comments after Regional Director's office review on Friday August 24th.

Also attached are Appendix B (maps), Appendix F (specialist reports) and the comment response table. BLM is continuing to work on other appendices, but if there is one referenced in the EA that you would like to review, let Wendy know and she will arrange to send you a draft.

Here is an outline for our approach:

1. Given the very short turnaround, we would like you to focus your review on Chapters 4 (Environmental Impacts) and 5 (Cumulative Effects), which will also necessitate reading Chapter 2 (Proposed Action and Alternatives). We can make the greatest contribution by considering how well the impacts are analyzed and conveyed, and making specific suggestions on what further analyses are needed. It is less important to worry about wording, spelling and editorial suggestions. There isn't time for extensive edits, so let's help BLM provide a solid analysis of the impacts.

2. If you have additional time, please review Chapter 3 (affected environment) for your resource. More extensive information is available in Appendix E (Specialist Reports), but I expect most of this came from FWS in our Draft Affected Environment submission earlier this summer. If you review either of these sections, your comments should be focused on providing recommended changes/additions of important information, including references.

Below is a matchup of resource sections 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.

Chapter 1: Stephanie, Sarah

Chapter 2: Wendy, Lynnda K, Pat O'Dell

Chapter 2: Cross-reference Stips/ROPs with EIS: Wendy,

Chapters 4 and 5:

Subsistence: Hollis, Josh, Carl

Environmental Justice/Sociocultural: Hollis, Josh Ream, Carl

Prehistoric and Cultural Resource Sites: Ed

Recreation: Jen

Visual Resources: Paul, others

Wilderness: Roger

Wild & Scenic Rivers: Jen

Special designations/MPA:

Vegetation: Janet, Paul (snow cover)

Soils and Permafrost: Janet

Caribou: Steve, Ryan if available

Terrestrial Mammals: Steve, Ryan if available

Marine Mammals: Charlie?

Polar Bears: Ryan, Christopher, Charlie, Ted

Fish and Water Resources: Randy, John T,

Snow: Paul (not a subchapter, need to verify adequately described in EA)

Again, thank you for your time and expertise!!

Wendy

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](#)
To: [Nicole Hayes](#)
Subject: comment page 3-162, Line #11
Date: Thursday, August 30, 2018 4:48:00 PM

Hi Nicole,

Here is the response to your question if we have knowledge of use on the Pt. Hope/A Pass subsistence use determination comment:

Wendy,

The way things work is that someone submits a proposal to recognize the customary and traditional use of a particular community for a particular species. Staff analyze the request, utilizing harvest data and anthropological resources, the Regional Advisory Council (in this case, North Slope) makes a recommendation, then the Board makes a decision. Once that decision is made, we do not monitor as to whether the use continues. We just look at where it is up to that point.

In this instance, I believe that our comment can be noted but likely does not affect the analyses needed in the Draft EIS. If you receive comments from those communities, the information we provided in the original comment may prove useful in then making changes to the text.

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)
907.227.2942 (mobile)

From: Hayes, Miriam (Nicole) <mnhayes@blm.gov>
Sent: Thursday, August 30, 2018 1:56 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Another question...Page 3-162, Line 11

Hi Wendy,

I'm addressing a comment made by Carl/FWS, page 3-162, Line #11 and just looking for a little more context for the analysis. I understand the FSB recognizes Point Hopes (and Anaktuvuk Pass') customary and traditional use of caribou in GMU 26C, but is he/she aware of anyone from those communities going into that GMU to hunt?

Thanks,
Nicole

Nicole Hayes

Project Coordinator
Bureau of Land Management

[222 W. 7th Avenue #13](#)

[Anchorage, Alaska 99513](#)

Desk: (907) 271-4354

Cell: (907) 290-0179

From: [Janet Torre Jorgenson](#)
To: [Wendy Loya](#)
Subject: RE: [EXTERNAL] More comments for EA and/or EIS
Date: Saturday, September 1, 2018 10:22:07 AM

Thank you Wendy. It is disconcerting to send out questions and not get answers, and not know if the questions were forwarded on to people who can answer them so anything you can do to keep us in the loop would be appreciated. Thanks for your hard work, you are a real trooper.

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On Wed, Aug 29, 2018 at 2:35 PM -0800, "Wendy Loya" <wendy_loya@fws.gov> wrote:

Hi Janet,

Thank you for the additional comments, it looks like a few we have answers to and others are similar to ones we submitted, and I will forward any we have not addressed to BLM. Steve, Joanna, Paul and Lynnda Kahn (oil and gas coordinator for Kenai NWR) will be going up to Deadhorse tomorrow for a tour of SAE's operations and equipment. A number of your questions are relevant to that discussion, so this is great timing.

b5 - DP



BLM has been collecting additional information on snow requirements to _____
_____ places, and are _____

b5 - DP



We have not sent out the compiled list of comments to all staff, but will provide any information we get in responses from BLM. The EA should be posted on eNEPA next week, and I will send the link out to the 1002 team including you when it is available!

Thank you again for your time and expertise!
Enjoy your travels,
Wendy

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)

-----Original Message
From: jorgenson@fws.gov [b6], 2018 2:09 PM
Sent: Wednesday, _____, 2018 2:09 PM
To: wendy_loya@fws.gov; paul_leonard@fws.gov; stephen_arthur@fws.gov; joanna_fox@fws.gov; stephen_berentzen@fws.gov; greta_burkhart@fws.gov
Subject: [EXTERNAL] More comments for EA and/or EIS

Hello, I am still on vacation in Minnesota but here are a few documents I've gotten together

b5 - DP

[REDACTED]

[REDACTED] out this since sending my comments on the 22nd. Remember to send any emails to this home email of mine, since I probably will not be back in Fairbanks until after Sept. 24 and don't have access to my fws email. I wo [REDACTED] ed on what is going on

b5 - DP

b5 - DP

From: [Jones, Nichelle \(Shelly\)](#)
To: [Wendy Loya](#)
Subject: Fwd: Timely article
Date: Tuesday, September 4, 2018 10:11:25 AM
Attachments: [Landscape change ANWR using aerial imagery.pdf](#)

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

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

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

From: **Nigro, Debora** <dnigro@blm.gov>
Date: Tue, Sep 4, 2018 at 7:51 AM
Subject: Timely article
To: "Krystal (Melody) Debenham" <kdebenham@blm.gov>, Roy Nageak <rnageak@blm.gov>, Cindy L Hamfler <chamfler@blm.gov>, Donna L Wixon <dwixon@blm.gov>, Joseph Keeney <jkeeney@blm.gov>, Lonnie Bryant <lbryant@blm.gov>, Matt Whitman <mwhitman@blm.gov>, Sarah LaMarr <slamarr@blm.gov>, Shelly Jacobson <njones@blm.gov>, Stacey A Fritz <sfritz@blm.gov>, Terra Meares <tmeares@blm.gov>, Timothy Vosburgh <tvosburgh@blm.gov>

Landscape change in ANWR.

--
Debbie Nigro
Bureau of Land Management
222 University Ave.
Fairbanks, AK 99709
907-474-2324
dnigro@blm.gov

From: [Leonard, Paul](#)
To: [Loya, Wendy](#)
Subject: Re: Timely article
Date: Tuesday, September 4, 2018 10:51:32 AM

oh great, they got it published. I had not heard about this.

On Tue, Sep 4, 2018 at 8:28 AM, Loya, Wendy <wendy_loya@fws.gov> wrote:
Not sure if we got this from Janet and I overlooked...

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

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

From: **Jones, Nichelle (Shelly)** <njones@blm.gov>
Date: Tue, Sep 4, 2018 at 8:11 AM
Subject: Fwd: Timely article
To: Wendy Loya <wendy_loya@fws.gov>

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

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

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

From: **Nigro, Debora** <dnigro@blm.gov>
Date: Tue, Sep 4, 2018 at 7:51 AM
Subject: Timely article
To: "Krystal (Melody) Debenham" <kdebenham@blm.gov>, Roy Nageak <rnageak@blm.gov>, Cindy L Hamfler <chamfler@blm.gov>, Donna L Wixon <dwixon@blm.gov>, Joseph Keeney <jkeeney@blm.gov>, Lonnie Bryant <lbryant@blm.gov>, Matt Whitman <mwhitman@blm.gov>, Sarah LaMarr <slamarr@blm.gov>, Shelly Jacobson <njones@blm.gov>, Stacey A Fritz <sfritz@blm.gov>, Terra Meares <tmeares@blm.gov>, Timothy Vosburgh <tvosburgh@blm.gov>

Landscape change in ANWR.

--

Debbie Nigro
Bureau of Land Management
222 University Ave.
Fairbanks, AK 99709
907-474-2324
dnigro@blm.gov

--

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

From: [Lanctot, Richard](#)
To: [Wendy Loya](#)
Subject: question on EIS comment period
Date: Wednesday, September 5, 2018 2:38:09 PM

Hi Wendy,

I am the USFWS nongame liason to the Pacific Flyway Council and the question has come up about the timeline for commenting on the future EIS related to oil and gas leasing in the 1002 area. Do you know when there will be an EIS available to review and likely dates comments will need to be received? The PFC may want to provide an opinion on this so knowing this information would be helpful.

Thanks, 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
Cell: 907-440-9733
E-mail: richard_lanctot@fws.gov

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

From: [Damberg, Doug](#)
To: [Wendy Loya](#)
Subject: Fwd: Community Caribou Harvest Monitoring Program
Date: Friday, September 7, 2018 4:59:25 PM
Attachments: [2018 Briefing Statement - AK Community Harvest Monitoring Proposal.doc](#)
[2016 Canadian Implementation Plan – Revised 2016.pdf](#)
[Designing PCH harvest report program JRetti 2010 \(1\).pdf](#)

Doug Damberg
Refuge Supervisor, AK North Zone
U.S. Fish and Wildlife Service
1011 E. Tudor Rd.; Anchorage, AK 99503
Office: (907) 786-3329
Cell: (907) 947-6302

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

From: Twitchell, Hollis <hollis_twitchell@fws.gov>
Date: Fri, Sep 7, 2018 at 2:34 PM
Subject: Community Caribou Harvest Monitoring Program
To: Steve Berendzen <steve_berendzen@fws.gov>, Doug Damberg <doug_damberg@fws.gov>, Socheata Lor <socheata_lor@fws.gov>, John Trawicki <john_trawicki@fws.gov>, "Fox, Joanna" <joanna_fox@fws.gov>

For your information: Attached is a Briefing Statement regarding **b5-DP** [REDACTED]
[REDACTED] Alaska community harvest monitoring and reporting program for community
use of Porcupine Caribou. **b5-DP** [REDACTED]
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]. A more complete proposal to follow later.

--
Hollis Twitchell
Assistant Manager
Arctic Refuge
907 456-0512 w
907 378-5732 c

From: [Wendy Loya](#)
To: [John Trawick](#); [Drew Crane](#); [Lynnda Kahn](#); [Paul Leonard](#); [Mary Colligan](#); [Greg Siekaniec](#); [Karen Clark](#); [Mitch Ellis](#)
Subject: Seismic EA on hold per BLM
Date: Tuesday, September 11, 2018 10:45:00 AM

FYI...The seismic EA had previously been scheduled to be posted on BLM's ePlanning website last week. This is the update we have:

From: Jones, Nichelle (Shelly) <njones@blm.gov>
Sent: Tuesday, September 11, 2018 8:27 AM
To: LaMarr, Sarah <slamarr@blm.gov>; Donna Wixon <dwixon@blm.gov>; Robert Brumbaugh <rbrumbau@blm.gov>; Steve Berendzen <steve_berendzen@fws.gov>; Fox, Joanna <joanna_fox@fws.gov>; Joshua Rose <joshua_rose@fws.gov>; Wendy Loya <wendy_loya@fws.gov>
Subject: Cancelling Seismic EA Meeting Today

We are on hold regarding uploading the preliminary EA to eNEPA. I'll let you know if anything changes.

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

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

From: [Jones, Nichelle \(Shelly\)](#)
To: [LaMarr, Sarah](#); [Donna Wixon](#); [Steve Berendzen](#); [Fox, Joanna](#); [Joshua Rose](#); [Wendy Loya](#); [Debora Nigro](#)
Subject: Re: Cancelling Seismic EA Meeting Today
Date: Tuesday, September 11, 2018 11:21:41 AM

I don't expect we will hear until late Thursday or perhaps Friday this week. There are some MMPA/ESA discussions and briefings going on that will factor into how we move forward..

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

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

On Tue, Sep 11, 2018 at 8:27 AM, Jones, Nichelle (Shelly) <njones@blm.gov> wrote:

We are on hold regarding uploading the preliminary EA to eNEPA. I'll let you know if anything changes.

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

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

From: [Hayes, Miriam \(Nicole\)](#)
To: [Wendy Loya](#)
Subject: Question
Date: Wednesday, September 12, 2018 11:54:23 AM

Hi Wendy,

Do you have any of this information?

Shore bird data from Lysne et al 2004, Dau and Bollinger 2011 or 2012 (we have 2008 and 2009). Also we have a shapefile named nscepa83_point that represents Common eider sightings from 1999-2007 - is this data that came from FWS and ior know if it was created by Bollinger and Dau or from another survey?

Thanks,
Nicole

Nicole Hayes
Project Coordinator
Bureau of Land Management
222 W. 7th Avenue #13
Anchorage, Alaska 99513
Desk: (907) 271-4354
Cell: (907) 290-0179

From: [Swaim, Michael](#)
To: [Nicole Hayes](#)
Cc: [Wendy Loya](#); [Richard Lanctot](#); [Julian Fischer](#)
Subject: Re: BLM request for data and data source
Date: Thursday, September 13, 2018 12:29:46 PM

Nicole,

I can help you identify the original data sources, but will need to see the files that you're referring to. Could you please send me a copy of the common eider data (nscepa83_point) and the data from Dau and Bollinger that you are referring to.

Thanks,

Michael

On Thu, Sep 13, 2018 at 10:14 AM, Julian Fischer <julian_fischer@fws.gov> wrote:

Michael,

Will you please look into this. Appropriate caveats should be associated with any observations of shorebirds made from aircraft during Waterfowl surveys. Any shorebird observations are incidental. Absence of shorebird observations during aerial surveys of common eiders should not be deemed as an indication of absence.

Julian

Sent from my iPhone

On Sep 12, 2018, at 12:34 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Rick and Julian,

Nicole, the BLM lead on the Arctic Refuge Leasing EIS, is looking for some data as well as a citation for some data presented in a map on common eiders. Can either of you provide information on either? Please reply all.

Shore bird data from Lysne et al 2004, Dau and Bollinger 2011 or 2012 (we have 2008 and 2009).

Also we have a shapefile named nscepa83_point that represents Common eider sightings from 1999-2007 - is this data that came from FWS and/ know if it was created by Bollinger and Dau or from another survey?

Thank you,

Wendy

0000008962

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: Hayes, Miriam (Nicole) <mnhayes@blm.gov>
Sent: Wednesday, September 12, 2018 9:54 AM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Question

Hi Wendy,

Do you have any of this information?

Shore bird data from Lysne et al 2004, Dau and Bollinger 2011 or 2012 (we have 2008 and 2009). Also we have a shapefile named nsepa83_point that represents Common eider sightings from 1999-2007 - is this data that came from FWS and ior know if it was created by Bollinger and Dau or from another survey?

Thanks,
Nicole

Nicole Hayes

Project Coordinator

Bureau of Land Management

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[Anchorage, Alaska 99513](#)

Desk: (907) 271-4354

Cell: (907) 290-0179

--

Michael Swaim
Wildlife Biologist / GIS
Migratory Bird Management
U.S. Fish and Wildlife Service
1011 East Tudor Road
Anchorage, AK 99503
Tel: 907-786-3504
Fax: 907-786-3541

From: [Hayes, Miriam \(Nicole\)](#)
To: [Swaim, Michael](#)
Cc: [Wendy Loya](#); [Richard Lanctot](#); [Julian Fischer](#)
Subject: Re: BLM request for data and data source
Date: Thursday, September 13, 2018 9:30:52 PM

Thank you, Michael. I just shared a google drive folder with all of the data our contractor was using. Please let me know if you don't receive it.

Nicole

Nicole Hayes

Project Coordinator
Bureau of Land Management
222 W. 7th Avenue #13
Anchorage, Alaska 99513
Desk: (907) 271-4354
Cell: (907) 290-0179

On Thu, Sep 13, 2018 at 3:28 PM, Swaim, Michael <michael_swaim@fws.gov> wrote:

Nicole,

I took a better look at the shapefile named *nscepa83_point.shp* and I was mistaken when I said that shorebirds were not recorded in the North Slope Common Eider Survey. Shorebirds were recorded during this survey, but that was not the objective of the survey, so the shorebird observations contained in this file must be considered incidental observations, similar to observation for beluga (BELU), caribou (CARI), raven (CORA), fox (FOX), falcon (FALC), hawks (HAWK), and moose (MOOS).

The original intent of the North Slope Common Eider Survey was to survey waterfowl (specifically eiders) along the barrier islands and lagoon systems of the Arctic Coastal Plain. The design, methods, and timing of this survey were not meant to quantify the distribution and abundance of shorebirds. Any shorebirds that were incidentally observed and recorded from the aircraft, while traveling at 90-100 knots, were roughly grouped into small, medium, and large classes. At best, these observations indicate the presence of some unknown small, medium, or large shorebird species. However, by no means does the absence of shorebird observations indicate the the absence of shorebirds. That was not the objective of the North Slope Common Eider Survey.

Please feel free to contact me with any questions or concerns,

Michael

On Thu, Sep 13, 2018 at 10:14 AM, Julian Fischer <julian_fischer@fws.gov> wrote:

Michael,

Will you please look into this. Appropriate caveats should be associated with any observations of shorebirds made from aircraft during Waterfowl surveys. Any shorebird observations are incidental. Absence of shorebird observations during aerial surveys of common riders should not be deemed as an indication of absence.

Julian

Sent from my iPhone

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Also we have a shapefile named nscepa83_point that represents Common eider sightings from 1999-2007 - is this data that came from FWS and/ know if it was created by Bollinger and Dau or from another survey?

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)

907.227.2942 (mobile)

From: Hayes, Miriam (Nicole) <mnhayes@blm.gov>

Sent: Wednesday, September 12, 2018 9:54 AM

To: Wendy Loya <wendy_loya@fws.gov>

Subject: Question

Hi Wendy,

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Thanks,
Nicole

Nicole Hayes

Project Coordinator

Bureau of Land Management

[222 W. 7th Avenue #13](#)

[Anchorage, Alaska 99513](#)

Desk: (907) 271-4354

Cell: (907) 290-0179

--

Michael Swaim
Wildlife Biologist / GIS
Migratory Bird Management
U.S. Fish and Wildlife Service
[1011 East Tudor Road](#)
[Anchorage, AK 99503](#)
Tel: 907-786-3504
Fax: 907-786-3541

From: [Hayes, Miriam \(Nicole\)](#)
To: [Faith C Martineau \(DNR\)](#); [Kevin S. Fisher](#); [Molly Vaughan](#); [patrick hanson](#); [Tiffany Yatlin](#); [Tonya Garnett](#); [Wendy Loya](#); [Matthew Rexford](#); [Tom Lohman](#)
Cc: [amy lewis](#)
Subject: Coastal Plain Cooperating Agency Meeting
Date: Friday, September 14, 2018 11:19:45 AM

Good morning, Cooperating Agencies:

Now that we have worked through many of the comments provided by the Cooperating Agencies and interdisciplinary team members on the Preliminary Draft EIS, we would like to discuss how the comments have informed the development of the Draft. In addition, it will be an opportunity to talk about next steps and address any specific questions or concerns.

Please email me any agenda items you would like to include. Also - please go to the following link and mark your availability on the doodle poll ***by 10:00 a.m. Monday, September 17th*** <https://doodle.com/poll/x2qxzuaxckmdi2wf>

Thank you,
Nicole

Nicole Hayes
Project Coordinator
Bureau of Land Management
222 W. 7th Avenue #13
Anchorage, Alaska 99513
Desk: (907) 271-4354
Cell: (907) 290-0179

From: [Jones, Nichelle \(Shelly\)](#)
To: [LaMarr, Sarah](#); [Steve Berendzen](#); [Fox, Joanna](#); [Joshua Rose](#); [Sarah Conn](#); [Wendy Loya](#); [Robert Brumbaugh](#); [Hayes, Miriam \(Nicole\)](#); [Donna Wixon](#)
Subject: Meeting on Seismic EA-Cancelled for 09/18 at 3pm
Date: Monday, September 17, 2018 3:35:06 PM

I will be in Nuiqsut tomorrow and Sarah will be on leave, so lets call it off again. We are in a holding pattern -not posting the EA.

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

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

From: [Hayes, Miriam \(Nicole\)](#)
To: [Faith C. Martineau \(DNR\)](#); [Kevin S. Fisher](#); [Vaughan, Molly](#); [patrick hanson](#); [Tiffany Yatin](#); [Tonya Garnett](#); [Wendy Loya](#); [Matthew Rexford](#); [Tom Lohman](#)
Cc: [amy lewis](#)
Subject: Re: UPDATE: Coastal Plain Cooperating Agency Meeting
Date: Friday, September 21, 2018 8:19:10 PM
Attachments: [AdminDraft_COMPILED_BLM-Agency Comments_0921 to CAs.pdf](#)

Dear Cooperating Agencies,

As promised earlier today, please see the attached comment matrix with the comments provided on the PDEIS and how they are being addressed.

Please feel free to call me with any questions you may have.

Thank you,

Nicole

From: [Wendy Loya](#)
To: [Drew Crane](#); [John Trawicki](#)
Subject: Do not distribute yet: replies to Coop Agency Comments on prelim Leasing DEIS
Date: Monday, September 24, 2018 2:35:00 PM
Attachments: [AdminDraft_COMPILED_BLM-Agency Comments_0921 to CAs.pdf](#)

Hi Drew and John,

Attached is the BLM response to our and the other Cooperating Agencies' comments on the preliminary Coastal Plain Leasing DEIS. It is a difficult in some cases to interpret the response since we won't see another copy of the DEIS until it goes public in mid to late October (or November). I'd like your feedback on how to share this with staff that provided comments, as I don't want to frustrate them with the ambiguity but also want to keep everyone apprised of what happened with their comments.

Let me know what you think!
Wendy

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: Hayes, Miriam (Nicole) <mnhayes@blm.gov>
Sent: Friday, September 21, 2018 6:18 PM
To: Faith C Martineau (DNR) <faith.martineau@alaska.gov>; Kevin S. Fisher <Kevin.Fisher@north-slope.org>; Vaughan, Molly <vaughan.molly@epa.gov>; patrick hanson <b6 [REDACTED]>; Tiffany Yatlin <b6 [REDACTED]>; Tonya Garnett <b6 [REDACTED]>; Wendy Loya <wendy_loya@fws.gov>; Matthew Rexford <b6 [REDACTED]>; Tom Lohman <b6 [REDACTED]>
Cc: amy lewis <amy.lewis@empsi.com>
Subject: Re: UPDATE: Coastal Plain Cooperating Agency Meeting

Dear Cooperating Agencies,

As promised earlier today, please see the attached comment matrix with the comments provided on the PDEIS and how they are being addressed.

Please feel free to call me with any questions you may have.

Thank you,

Nicole

From: [Wendy Loya](#)
To: [Diane Granfors](#); [Elizabeth Powers](#); [Scott Guyer \(sguyer@blm.gov\)](mailto:sguyer@blm.gov)
Cc: [Paul Leonard](#); [Joshua Rose](#)
Subject: Info on aviation logistics for 1002 next summer
Date: Monday, September 24, 2018 2:46:00 PM

HI 1002 Veg team,

Forwarding this email from Steve B, which was a delayed response to a May inquiry about the extent of veg mapping. But helicopter/aviation use in 1002 next summer is going to require careful coordination. We have a number of projects, including the veg mapping, NHD/NWI, contaminants, USGS SSP proposals, as well as potential final cleanup from winter seismic operations that could have a significant impact on summer wildlife and recreation users.

I'm hoping to bring together a science advisory team in the next week or two to help ensure we have as much coordination across projects as possible as well as working towards effective data management.

More soon!
Wendy

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: Berendzen, Steve <steve_berendzen@fws.gov>
Sent: Friday, September 21, 2018 3:42 PM
To: Loya, Wendy <Wendy_loya@fws.gov>
Cc: Joanna Fox <joanna_fox@fws.gov>; Paul Leonard <paul_leonard@fws.gov>; Joshua Rose <joshua_rose@fws.gov>
Subject: Re: Info request relating to helicopter use in Wilderness for veg mapping of coastal plain

Wendy,

I was just reminded of this email and your question about helicopter use in Wilderness outside the 1002 Area. Sorry that I missed this email back when you sent it, but we've been scratching our heads trying to determine how we'll accommodate the logistical needs for all the field work that's tentatively planned for next summer.

The answer to your specific question about helicopter use in Wilderness, is no, we don't even want to consider doing an MRA and undergo the process and public review that would not serve us well from my perspective. I think we'll have to be content to get veg mapping for just the 1002 Area.

Another complication for all activities is that we have been denied the opportunity to place a

bulk fuel tank at the Kaktovik airport. We'll continue pursuing this, but I have no expectation that we could get approval in time to get a tank placed for fuel use next summer. The alternative to this that we've been telling people is to get fuel from Kavik ^{b5-DP} [REDACTED] or to place fuel at an airstrip inside the 1002 such as Jago Bitty.

Josh did a rough estimate of fuel needs for next summer and it's in the ballpark of 2,000 - 4,000 gallons needed - probably closer to the larger number. We'll have complications transporting and storing that much fuel at Jago Bitty, so we should ideally talk among ourselves about project priorities and see if there are opportunities to reduce logistical needs or possibly even back off on the schedule of anything.

Another item that I need to get out in the open for all to be aware of and to pass on to project coordinators is that we don't anticipate being able to provide lodging at the Barter Island bunkhouse. The daily flights in and out of Barter Island crippled relations with some of the local residents last summer, so we want aircraft to avoid Barter Island as much as possible. Also, it looks like the bunkhouse will be filled up most of the summer anyway.

If we could get together some time in the near future to discuss, that would be appreciated.

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

On Thu, May 31, 2018 at 9:33 AM Wendy Loya <Wendy_loya@fws.gov> wrote:

Hi Steve and Joanna,

We are working towards a map of the area of interest for an updated vegetation map of the Arctic Refuge Coastal Plain. Janet and others provided the attached map, which shows the 1002 area in a dotted line but the broader coastal plain area within the red line. Ideally we would update veg mapping of the entire coastal plain, but that would cross into Designated Wilderness to the east and south of the 1002 area. Methods for doing the veg mapping would include intensive helicopter use over several days (1-3 days I would imagine for the Wilderness area, out of 10 days total intensive surveys).

We are only at the stage of writing a Statement of work to seek a contractor, but want to make sure we don't ask for surveys in an area that would not be accessible.

Thank you,
Wendy

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)

From: [Wendy Loya](#)
To: [Steve Berendzen](#); [Joanna Fox](#)
Cc: [Paul Leonard](#); [Elizabeth Powers](#); [Scott Guyer](#)
Subject: Info request relating to helicopter use in Wilderness for veg mapping of coastal plain
Date: Thursday, May 31, 2018 11:32:44 AM
Attachments: [AOI_Veg.png](#)

Hi Steve and Joanna,

We are working towards a map of the area of interest for an updated vegetation map of the Arctic Refuge Coastal Plain. Janet and others provided the attached map, which shows the 1002 area in a dotted line but the broader coastal plain area within the red line. Ideally we would update veg mapping of the entire coastal plain, but that would cross into Designated Wilderness to the east and south of the 1002 area. Methods for doing the veg mapping would include intensive helicopter use over several days (1-3 days I would imagine for the Wilderness area, out of 10 days total intensive surveys).

We are only at the stage of writing a Statement of work to seek a contractor, but want to make sure we don't ask for surveys in an area that would not be accessible.

Thank you,
Wendy

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)

From: Leonard, Paul <paul_leonard@fws.gov>
Sent: Wednesday, May 30, 2018 2:26 PM
To: Wendy Loya <wendy_loya@fws.gov>; Elizabeth Powers <elizabeth_powers@fws.gov>
Subject: AOI for Veg - Better?

Also I checked with Janet about the odd protrusion we discussed and here is her response:

It is just an ecoregion boundary. There is a large river valley exiting the mountains there, so evidently they drew the boundary of foothills ecoregion as going up the valley a bit into the mountains ecoregion.

However, the rest of the shape was clearly not delineated based 'strictly' on ecoregion so I redrew it.

We are looking at roughly 10,285 sq. km or 2.54 million acres.

Cheers,
Paul

--

Paul Leonard, PhD

Science Coordinator

[Arctic LCC](#)

101 12th Ave. Room 216

Fairbanks, AK 99701

(907) 456-0445

From: [Damberg, Doug](#)
To: [Wendy Loya](#); [Socheata Lor](#); [Mitch Ellis](#); [John Trawicki](#)
Subject: Fwd: [EXTERNAL] Adjacent Landowner Notice: MLUPNS 18-004 SAE Staines 3D Application
Date: Monday, September 24, 2018 2:59:51 PM
Attachments: [Staines3D_UplandNotification.pdf](#)

FYI - Doug Campbell is looking into this.

Doug Damberg
Refuge Supervisor, AK North Zone
U.S. Fish and Wildlife Service
1011 E. Tudor Rd.; Anchorage, AK 99503
Office: (907) 786-3329
Cell: (907) 947-6302

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

From: **Berendzen, Steve** <steve_berendzen@fws.gov>
Date: Fri, Sep 21, 2018 at 6:00 PM
Subject: Fwd: [EXTERNAL] Adjacent Landowner Notice: MLUPNS 18-004 SAE Staines 3D Application
To: Doug Damberg <doug_damberg@fws.gov>, Campbell, Douglas <douglas_campbell@fws.gov>
Cc: Joanna Fox <joanna_fox@fws.gov>, Joshua Rose <joshua_rose@fws.gov>

Doug and Doug, this proposed action b5 - DP

[REDACTED]

b5 - DP
[REDACTED]

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

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

From: **Henspeter, Mark A (DNR)** <mark.henspeter@alaska.gov>
Date: Fri, Sep 21, 2018 at 4:09 PM
Subject: [EXTERNAL] Adjacent Landowner Notice: MLUPNS 18-004 SAE Staines 3D Application
To: dwixon@blm.gov <dwixon@blm.gov>, steve_berendzen@fws.gov <steve_berendzen@fws.gov>, ROY, LORI A GS-13 USAF PACAF 611 CES/CEI <b6>
Cc: Emery, Nathaniel G (DNR) <nathaniel.emery@alaska.gov>, Hyun, James J (DNR) <james.hyun@alaska.gov>, Blanche, Paul M (DNR) <paul.blanche@alaska.gov>

Good evening,

The Division of Oil & Gas has received an application from SAExploration, Inc. (SAE) to conduct seismic acquisition in support of oil and gas exploration on the North Slope approximately 40 miles east of Deadhorse.

You are receiving this notice in accordance with 11 AAC 96.030(c), as an upland owner adjacent to the proposed activities. Please see the attached project description for more information.

Sincerely,

-Mark Henspeter

Natural Resource Specialist

Division of Oil & Gas

Permitting Section

Phone: 907.269.8812

mark.henspeter@alaska.gov

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From: [Wendy Loya](#)
To: [John Trawick](#); [Drew Crane](#); [Steve Berendzen](#); [Joanna Fox](#); [Socheata Lor](#); [Mary Colligan](#); [Greg Siekaniec](#); [Karen Clark](#); [Sara Boario](#); [Eric Taylor](#); [Karen Murphy](#)
Cc: [Paul Leonard](#); [Joshua Rose](#)
Subject: FYI: Arctic Refuge 1002 area Snow Workshop Agenda
Date: Thursday, September 27, 2018 1:14:00 PM

Hi RDs, 1002 ARDs and POCs,

Below is info on the Snow Monitoring workshop on Oct 9-10th, sponsored by FWS and BLM and hosted by the UAF Geophysical Institute.. The objectives of the meeting are to share knowledge on snow in the Coastal Plain and how it is different than lands to the west, discuss snow monitoring for both industrial permitting and longer-term trend analysis, and discuss winter tundra travel practices and challenges. Joanna Fox and Shelly Jones (BLM) will help set the management context for the Arctic Refuge on day 1 . There is representation from State and Federal agencies, industry, DNR, UAF, etc..

Please share with any staff that might be interested in attending or that would benefit from knowing about the effort; Paul Leonard will handle inquiries on attending as space is limited.
Thank you,
Wendy

AGENDA
ANWR Snow Workshop, Fairbanks, Alaska October 9-10, 2018
Pikes Waterfront Lodge

DAY 1 (October 9, 2018)

8:00 AM: Breakfast & Registration

9:00 AM: Welcome (M. Sturm)

9:15 AM: Participant Introductions ('round the room)

9:30 AM: Land Management Needs and Challenges (Joanna Fox (USFWS): Shelly Jones (BLM)

9:45 AM: History of Exploration & Oil Exploration, North Slope, Alaska (Matthew Sturm)

10:00 AM to 1:00 PM

ANWR & the 1002 Area: Comparisons to the NPRA

(Coffee Break @ 10:30 to 10:50 in Binkley Room)

- Topography and physiography (M. Macander) (30 minutes)
- Hydrology (M. Whitman; confirmation pending) (10 minutes)

BREAK

- Vegetation (Tim Cater) (30 minutes)
- Winter Climate/regional (Rick Thoman) (30 minutes)
- Winter Climate/local (Frank Urban) (20 minutes)
- Cultural & Economic Setting (Vince Matthews; pending) (25 minutes)

1:00 PM to 2:00 PM: Lunch

2:00 PM to 3:30 PM: The Nature of the Arctic Snow Cover

- The seasonal pattern of snow build-up and drifting (Frank Urban & Matt Macander)

- The resulting stratigraphy, properties and what it means (Matthew Sturm)
- Scaling and snow: spatial variations in depth, density and other properties (Charles Parr)

3:30 PM to 3:50 PM: Coffee Break, Binkley Room

3:50 PM to 5:30 PM: Snow and Vehicles

- The physics of shearing, compaction, rutting (Jerry Johnson)
- Snow as protection of tundra vs. inhibitor of frost penetration (Matthew Sturm)
- Practical results from vehicle tests: operational considerations (Tim Cater)

6:00 PM to Dinner at Pikes

DAY 2 (October 10, 2018)

8:00 AM: Breakfast & Registration

9:00 AM: Recap from Day 1 (Paul Leonard)

**9:15 AM to 12:00 PM: Regulatory Environment & Seismic Practice
(Coffee Break @ 10:30 to 10:50 in Binkley Room)**

- State of Alaska Regulation of Winter Operations (Melissa Head) (30 minutes)
- NPRA Regulation of Winter Operations (TBD) (20 minutes)
- Arctic Refuge Management Considerations (Wendy Loya) (20 minutes)

BREAK

- Winter Seismic Operations: equipment, recon, routing, camps, geophysics (Rick Trupp) (30 minutes)
- More on Seismic Practice (Tiffany Carey or alternate) (20 minutes)
- Snow & Ice Roads & Off-road Traffic (Federico Lier) (20 minutes)
- More Snow & Ice Roads (Cruz Construction....not confirmed) (20 minutes)

12:00 PM to 1:00 PM: Snow Measurements

- Measurement tools, techniques and strategies (various people in 5-minute slots)
 - o Depth, density, hardness, strength
 - o Remote sensing (aerial and ground-based)
 - o Heterogeneity and representative measurements

1:00 PM to 2:00 PM: Lunch

**2:00 PM to 5:00 PM: Monitoring Networks, Knowledge Gaps and Climate Change
Panel Discussion with Audience Participation (Panel TBD)**

5:00 PM: Closing Remarks (Matthew Sturm)

5:30 PM: Adjourn

From: [Wendy Loya](#)
To: ["Paul Leonard"](#); ["John Trawicki"](#); ["Randy Brown"](#); ["Jennifer Reed"](#); ["Sarah Conn"](#); ["Hollis Twitchell"](#); ["Joanna Fox"](#); ["Drew Crane"](#); ["Christopher Latty"](#); ["Patrick O'Dell"](#); ["Carl Johnson"](#); ["Stephen Arthur"](#); ["Joshua Ream"](#); ["Steve Berendzen"](#); ["Catherine Collins"](#); ["Susan LaKowski"](#); ["Edward Decleva"](#); ["Tim Allen"](#); ["Ryan Wilson"](#); ["Ted Swem"](#); ["Joshua Rose"](#); ["Janet Torre Jorgenson"](#); [Lynnda Kahn](#); [Angela Matz](#); [Charles Hamilton](#); [John Martin](#); [Roger Kaye](#); [Stephanie Brady](#); [Christopher Putnam](#)
Cc: [Mary Colligan](#); [Socheata Lor](#); [Doug Damberg](#); [Bud Cribley \(bud_cribley@fws.gov\)](#); [Eric Taylor](#)
Subject: BLM Response to comments on Preliminary Arctic Coastal Plain Leasing DEIS (Do not forward)
Date: Thursday, September 27, 2018 3:28:00 PM
Attachments: [AdminDraft_COMPILED_BLM-Agency Comments_0921 to CAs.pdf](#)

Hi 1002 Interdisciplinary Team,

Attached are BLM's responses to comments they received from all Cooperating Agencies on the preliminary Coastal Plain Leasing Draft EIS. They are organized by subject, but include your last name/FWS. This is for your personal reference, and should not be shared with other staff or outside FWS.

A few notes:

- Not every comment was transmitted to BLM. I worked with the 1002 POCs to look for redundancy, clarity of recommendation, conflict with other comments or information FWS had previously provided, and also whether it was something the EIS should/could address. As a result, some comments were combined and submitted under multiple or a different name(s), revised or noted internally but not shared.
- We were not provided with the revised DEIS, so it may be difficult to determine exactly how your comment was addressed. It was not provided because it is still undergoing review by solicitors and BLM HQ prior to being made available to the public. Thus, further changes are likely to occur. The DEIS was scheduled to be released to the public on 10/17 for 45 day review; I will keep everyone updated on whether that timeline changes.
- With some refinement, Alternative D2, reflecting FWS suggestions for how to balance all purposes of the Refuge, remained in the DEIS following Cooperating Agency review.

Please let me know if you have any questions. Complaints can be directed at your POC ☺

Thank you all for your hard work!

Wendy

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](#)
To: ["Marcia Rickey"](#)
Cc: [Paul Leonard](#)
Subject: FW: [EXTERNAL] Coastal Plain: Snow geese
Date: Wednesday, October 3, 2018 10:16:00 AM

Marcia,

I am afraid that we are not able to help you until late next week when Paul returns. He'll be back but going right into a workshop the 9-10th after the federal holiday on the 8th. See Chris's email below...

Feel free to call me if you want to try to work out a pathway forward...

Wendy

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: Latty, Christopher <christopher_latty@fws.gov>
Sent: Tuesday, October 2, 2018 11:22 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: [EXTERNAL] Coastal Plain: Snow geese

Hi Wendy,

1) I don't think I can be very helpful with this since I don't know the source Paul used for the map. There are a few possibilities for how he may have reprocessed the raw data to come up with this different version, but it would be best if he could weigh in.

2) Again – I'm not sure where Paul pulled the data from so I can't help much with this. I'm down in WA so logging into the GIS server will be a bit painful, but I can try if Paul won't be back for awhile.

3) If this means there was no text or metadata provided with the data or layer Paul sent to BLM and Marcia simply copied and pasted what was in the CCP to the BLM map, I don't believe it's correct to do so. If that is the case, that would explain why the 2 maps are different. Based on the header in the BLM map, it looks like that map is some sort of density estimation, whereas the CCP map is for counts of groups of flocks >500 birds across years.

My 2 cents are that if Paul can't weigh in on this than it would be better to simply use the CCP map. That said, there may have been a reason he didn't want to use that map...

Cheers

Chris

On Tue, Oct 2, 2018 at 1:40 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Marcia,
I have asked our Avian Ecologist if he can help, and he will look at it tonight after traveling today.

Hopefully we can provide assistance and will let you know either way,
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:

From: Christopher Latty <christopher_latty@fws.gov>
Date: October 2, 2018 at 12:24:20 AKDT
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Paul Leonard <paul_leonard@fws.gov>
Subject: Re: [EXTERNAL] Coastal Plain: Snow geese

Hi Wendy

I'm traveling today, but I will look at it this evening and see if I can figure it out.

Cheers,
Chris

Sent from my iPhone

On Oct 2, 2018, at 8:47 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Chris,
Can you see the time-sensitive email below and let me know if you can help with these questions for the Leasing DEIS?

Thank you,
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:

From: Marcia Rickey <marcia.rickey@empsi.com>
Date: October 2, 2018 at 07:35:45 AKDT
To: Wendy Loya <wendy_loya@fws.gov>, Paul Leonard <paul_leonard@fws.gov>
Cc: "Hamfler, Cindy" <chamfler@blm.gov>, Amy Lewis <amy.lewis@empsi.com>, "Hayes, Miriam (Nicole)" <mnhayes@blm.gov>, Alex Dierker <alex.dierker@empsi.com>
Subject: [EXTERNAL] Coastal Plain: Snow geese

Hi Wendy,
Since Paul is out-of-the office, would you be able to review my question below regarding the snow geese data from the FWS CCP?
Thanks!

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

0000008982

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From: Marcia Rickey
Sent: Tuesday, October 2, 2018 9:31 AM
To: Paul Leonard <paul_leonard@fws.gov>
Cc: Hamfler, Cindy <chamfler@blm.gov>; Amy Lewis <amy.lewis@emp.si.com>; Hayes, Miriam (Nicole) <mnhayes@blm.gov>; Alex Dierker <alex.dierker@emp.si.com>
Subject: RE: FW: [EXTERNAL] ArcGIS Pro data from FWS for Alternatives Snow geese

Hi Paul,
In our internal review of the Coastal Plain maps/admin DEIS, the bird resource author had some questions I wasn't able to answer. I've attached the snow goose map that we included in internal 20180913 draft EIS sent to BLM/Nicole and I've attached the snow goose map from the CCP. A couple questions on these maps, or would you let me know if there is someone else who might know?
Thanks!

1. The extents are different (the CCP map extends to the western edge of 1002, but the data you sent extents about halfway to the west of 1002)
2. There are 6 categories of number of flocks on the CCP map, but the data just have high-medium-low. I think this might be because the data were generalized since publication of the CCP?
3. On the Coastal EIS map, I added text similar to the text on the CCP map, is that correct, or would there be better descriptive text to use?

Thanks!

Marcia Rickey

EMPSi Environmental Management and Planning Solutions, Inc.

3005 Center Green Drive, Suite 205

Boulder, CO 80301

tel: 303-495-3506 main: 303-447-7160 fax: 866-625-0707

www.EMPSi.com Twitter: EMPSiInc Facebook: EMPSi

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On Tue, Jul 17, 2018 at 4:38 PM Leonard, Paul <paul_leonard@fws.gov> wrote:

Please find additional information on potential species of interest.

- Snow Goose Density Estimates per CCP

- The Barrier Island Waterbirds data was collected opportunistically and does include a handful of records for the LTDU
- The Yellow-billed Loon data should be the same information that BLM already has but is also included.
- The Eider information - there have been several efforts through the years to sample for nesting eiders and I don't think this dataset represents all information but it is what is currently available.

https://drive.google.com/file/d/1247ENG8_qWomAGLLHqx26TvRPQwR2B7t/view?usp=sharing

Let me know if you have concerns and/or questions.

On Fri, Jul 13, 2018 at 10:44 AM, Marcia Rickey
<marcia.rickey@empsi.com> wrote:

Hi Paul,
Please see the attached shorebirds map from the CCP. Is this data you'd be able to provide?

Also, can you confirm that you don't have data for the following: staging areas of shorebirds, staging areas for long-tailed ducks, and staging areas for loons. I've reviewed the BLM's version of the ACP data and didn't see it there.

thanks!

Marcia Rickey

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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)

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

--
Paul Leonard, PhD
Science Coordinator
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<mime-attachment.html>
<CoastalPlain_AE_Wildlife_birdsSnowGeese_V02.pdf>
<Pages from CCP_04_CH4_AffectEnv.pdf>
<mime-attachment.html>

--
Christopher Latty
US Fish and Wildlife Service
Arctic NWR
101 12th Avenue
Room 236
Fairbanks, AK 99701
cell 907-347-4300

From: [Rickey Marcia](#)
To: [Paul Leonard](#); [Wendy Loya](#); [Marcia Rickey](#)
Subject: Re: [EXTERNAL] Coastal Plain: Snow geese
Date: Wednesday, October 3, 2018 11:19:00 AM

Thanks Paul and Wendy (and Christopher).

We are sending BLM a revised Coastal DEIS Thursday. I will remove the text that I copied from the CCP map and just show the density data. I think then the map will be correct, just slightly less descriptive.

We are preparing the public DEIS October 12 (but map PDFing will stop on the **10th** due to production and web compliance). Paul, if get a break during the workshop next week Wendy mentioned and are able to email me the insight on the extent and symbology, I will revise the map and get it in the DEIS. Thanks!

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On Wed, Oct 3, 2018 at 10:26 AM Paul Leonard <paul_leonard@fws.gov> wrote:

Hi Marcia,

I do not have access to the spatial data right now but I can tell you that its safe to use the data and map that are in the CCP.

- 1 - I'm not sure about the extent problem - would need to look at the data
- 2 - There were a couple of analyses of the raw data and they may be symbolized differently on a map for simplification but originate from the same underlying data.

To my knowledge there has not been an updated analysis since the CCP.

I hope this helps.

Cheers,
Paul

Paul Leonard, PhD
Science Coordinator
Arctic Landscape Conservation Cooperative
101 12th Ave. Room 216
Fairbanks, AK 99709
(907) 456-0445

On Oct 3, 2018, at 12:16 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Marcia,

0000008986

I am afraid that we are not able to help you until late next week when Paul returns. He'll be back but going right into a workshop the 9-10th after the federal holiday on the 8th. See Chris's email below....

Feel free to call me if you want to try to work out a pathway forward...

Wendy

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: Latty, Christopher <christopher_latty@fws.gov>
Sent: Tuesday, October 2, 2018 11:22 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: [EXTERNAL] Coastal Plain: Snow geese

Hi Wendy,

1) I don't think I can be very helpful with this since I don't know the source Paul used for the map. There are a few possibilities for how he may have reprocessed the raw data to come up with this different version, but it would be best if he could weigh in.

2) Again – I'm not sure where Paul pulled the data from so I can't help much with this. I'm down in WA so logging into the GIS server will be a bit painful, but I can try if Paul won't be back for awhile.

3) If this means there was no text or metadata provided with the data or layer Paul sent to BLM and Marcia simply copied and pasted what was in the CCP to the BLM map, I don't believe it's correct to do so. If that is the case, that would explain why the 2 maps are different. Based on the header in the BLM map, it looks like that map is some sort of density estimation, whereas the CCP map is for counts of groups of flocks >500 birds across years.

My 2 cents are that if Paul can't weigh in on this than it would be better to simply use the CCP map. That said, there may have been a reason he didn't want to use that map...

Cheers

Chris

On Tue, Oct 2, 2018 at 1:40 PM Wendy Loya <wendy_loya@fws.gov> wrote:

|

0000008987

Hi Marcia,

I have asked our Avian Ecologist if he can help, and he will look at it tonight after traveling today.

Hopefully we can provide assistance and will let you know either way,

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:

From: Christopher Latty <christopher_latty@fws.gov>
Date: October 2, 2018 at 12:24:20 AKDT
To: Wendy Loya <wendy_loya@fws.gov>
Cc: Paul Leonard <paul_leonard@fws.gov>
Subject: Re: [EXTERNAL] Coastal Plain: Snow geese

Hi Wendy

I'm traveling today, but I will look at it this evening and see if I can figure it out.

Cheers,

Chris

Sent from my iPhone

On Oct 2, 2018, at 8:47 AM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Chris,

Can you see the time-sensitive email below and let me know if you can help with these questions for the Leasing DEIS?

Thank you,

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:

From: Marcia Rickey <marcia.rickey@emp.si.com>
Date: October 2, 2018 at 07:35:45 AKDT
To: Wendy Loya <wendy_loya@fws.gov>, Paul Leonard <paul_leonard@fws.gov>
Cc: "Hamfler, Cindy" <chamfler@blm.gov>, Amy Lewis <amy.lewis@emp.si.com>, "Hayes, Miriam (Nicole)" <mnhayes@blm.gov>, Alex Dierker <alex.dierker@emp.si.com>
Subject: [EXTERNAL] Coastal Plain: Snow geese

Hi Wendy,

Since Paul is out-of-the office, would you be able to review my question below regarding the snow geese data from the FWS CCP? Thanks!

Marcia Rickey

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From: Marcia Rickey
Sent: Tuesday, October 2, 2018 9:31 AM
To: Paul Leonard <paul_leonard@fws.gov>
Cc: Hamfler, Cindy <chamfler@blm.gov>; Amy Lewis <amy.lewis@emp.si.com>; Hayes, Miriam (Nicole) <mnhayes@blm.gov>; Alex Dierker <alex.dierker@emp.si.com>
Subject: RE: FW: [EXTERNAL] ArcGIS Pro data from FWS for Alternatives Snow geese

Hi Paul,

In our internal review of the Coastal Plain maps/admin DEIS, the bird resource author had some questions I wasn't able to

answer. I've attached the snow goose map that we included in internal 20180913 draft EIS sent to BLM/Nicole and I've attached the snow goose map from the CCP. A couple questions on these maps, or would you let me know if there is someone else who might know? Thanks!

1. The extents are different (the CCP map extends to the western edge of I002, but the data you sent extents about halfway to the west of I002)
2. There are 6 categories of number of flocks on the CCP map, but the data just have high-medium-low. I think this might be because the data were generalized since publication of the CCP?
3. On the Coastal EIS map, I added text similar to the text on the CCP map, is that correct, or would there be better descriptive text to use?

Thanks!

Marcia Rickey

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On Tue, Jul 17, 2018 at 4:38 PM Leonard, Paul
<paul_leonard@fws.gov> wrote:

Please find additional information on potential species of interest.

- Snow Goose Density Estimates per CCP
- The Barrier Island Waterbirds data was collected opportunistically and does include a handful of records for the LTDU
- The Yellow-billed Loon data should be the same information that BLM already has but is also included.
- The Eider information - there have been several efforts through the years to sample for nesting eiders and I don't think this dataset represents all information but it is what is currently available.

https://drive.google.com/file/d/1247ENG8_qWomAGLLHqx26TvRPQwR2B7t/view?usp=sharing

Let me know if you have concerns and/or questions.

On Fri, Jul 13, 2018 at 10:44 AM, Marcia Rickey
<marcia_rickey@empsi.com> wrote:

Hi Paul,
Please see the attached shorebirds map from the CCP. Is this data you'd be able to provide?

Also, can you confirm that you don't have data for the following: staging areas of shorebirds, staging areas for long-tailed ducks, and staging areas for loons. I've reviewed the BLM's version of the ACP data and didn't see it there.

thanks!

Marcia Rickey

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Wendy

Dr. Wendy M. Loya,

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--

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<CoastalPlain_AE_Wildlife_birdsSnowGeese_V02.pdf>

<Pages from CCP_04_CH4_AffectEnv.pdf>

<mime-attachment.html>

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Christopher Latty

US Fish and Wildlife Service

Arctic NWR

101 12th Avenue

Room 236

Fairbanks, AK 99701

cell 907-347-4300

From: [Wendy Loya](#)
To: [Nicole Hayes](#)
Subject: FW: [EXTERNAL] ANWR Snow Workshop
Date: Thursday, October 4, 2018 6:03:00 PM

Hi Nicole,

Below is the info for the snow workshop next week in Fairbanks. I think we have a good cross section of invitees, although I am not in the know on who has rsvp'ed. Let me know if you have any questions.

Thanks,
Wendy

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

From: Matthew Sturm <msturm1@alaska.edu>
Sent: Wednesday, September 26, 2018 9:13 PM
To: msturm1@alaska.edu; cparr4@alaska.edu; furban@usgs.gov; eyeager@blm.gov; sgray@usgs.gov; joshua_rose@fws.gov; joanna_fox@fws.gov; njones@blm.gov; slamarr@blm.gov; dwixon@blm.gov; wendy_loya@fws.gov; paul_leonard@fws.gov; sguyer@blm.gov; mwhitman@blm.gov; tvosburgh@blm.gov; melissa.head@alaska.gov; clif.enochs@alaska.gov; kimberley.maher@alaska.gov; becky.baird@alaska.gov; kenneth_hill@nps.gov; wrbolton@alaska.edu; pbieniek@alaska.edu; rtladerjr@alaska.edu; brien.e.reep@exxonmobil.com; Robyn.E.McGhee@conocophillips.com; tiffany.c.carey@conocophillips.com; rtrupp@saexploration.com; Daniel.Fisher@ak.usda.gov <Daniel.Fisher@ak.usda.gov>; richard.thoman@noaa.gov; info@akfrontiers.com; jeffmiller@cruzconstruct.com; eric.weiman@peakalaska.com; stewart.seaberg@ascenergy.com; jennifer.collins@bp.com; Steve.McKendrick@bp.com; tcater@abrinc.com; flier@allamericanoilfield.com; wcrowell@hilcorp.com; graham.smith@alaska.gov; nathaniel.emery@alaska.gov; csbenison@alaska.edu; mmacander@abrinc.com; faith.martineaux@alaska.gov; jnunley@olgoonik.com; ffreudenberger@alaska.edu; tlthomas5@alaska.edu; kdtape@alaska.edu; jbjohnson5@alaska.edu
Subject: [EXTERNAL] ANWR Snow Workshop



Hello All!

Thank you for participating in the ANWR Snow Workshop. We believe the workshop is important, timely, and will be useful and interesting.

We look forward to working with you and want to reach out to go over a bit of housekeeping and logistics. The information below, and future updates, can be found at the meeting website: gi.alaska.edu/registration.

First, a reminder that the meeting will take place on **October 9 and 10** at [Pike's Waterfront Lodge](#), **1850 Hoselton Road, Fairbanks AK 99709**.

For those of you traveling out of town, there is a block room reservation at the Pike's Lodge with a discounted rate. Call **(907) 456-4500 to reserve your room** and mention you are with "ANWR Snow Training." If you are flying in and would like transportation from the airport to the hotel, please call 907-456-5200.

The meeting will run roughly from 8 a.m. – 6 p.m. each day with 20 min. breaks in-between. **Breakfast and lunch will be provided on both days and dinner will be provided the first evening.** Coffee, tea and water will be available throughout the day.

A draft schedule is attached and will be available on the website as it is updated. We have been in contact with speakers, and in the next few days we will be talking to each speaker with additional suggestions etc.

If you have questions about logistics, topics, or any other please contact the event coordinator, Fritz Freudenberger, at 907-474-7185 or ffreudenberger@alaska.edu.

Dr. Matthew Sturm on behalf of the full workshop organizers

AGENDA
ANWR Snow Workshop, Fairbanks, Alaska October 9-10, 2018

Pikes Waterfront Lodge

DAY 1 (October 9, 2018)

8:00 AM: Breakfast & Registration

9:00 AM: Welcome (M. Sturm)

9:15 AM: Participant Introductions ('round the room)

9:30 AM: Land Management Needs and Challenges (Joanna Fox (USFWS): Shelly Jones (BLM))

9:45 AM: History of Exploration & Oil Exploration, North Slope, Alaska (Matthew Sturm)

10:00 AM to 1:00 PM

ANWR & the 1002 Area: Comparisons to the NPRA

(Coffee Break @ 10:30 to 10:50 in Binkley Room)

- Topography and physiography (M. Macander) (30 minutes)
- Hydrology (M. Whitman; confirmation pending) (10 minutes)

BREAK

- Vegetation (Tim Cater) (30 minutes)
- Winter Climate/regional (Rick Thoman) (30 minutes)
- Winter Climate/local (Frank Urban) (20 minutes)
- Cultural & Economic Setting (Vince Matthews; pending) (25 minutes)

1:00 PM to 2:00 PM: Lunch

2:00 PM to 3:30 PM: **The Nature of the Arctic Snow Cover**

- The seasonal pattern of snow build-up and drifting (Frank Urban & Matt Macander)
- The resulting stratigraphy, properties and what it means (Matthew Sturm)
- Scaling and snow: spatial variations in depth, density and other properties (Charles Parr)

3:30 PM to 3:50 PM: **Coffee Break, Binkley Room**

3:50 PM to 5:30 PM: **Snow and Vehicles**

- The physics of shearing, compaction, rutting (Jerry Johnson)
- Snow as protection of tundra vs. inhibitor of frost penetration (Matthew Sturm)
- Practical results from vehicle tests: operational considerations (Tim Cater)

6:00 PM to Dinner at Pikes

DAY 2 (October 10, 2018)

8:00 AM: Breakfast & Registration

9:00 AM: Recap from Day 1 (Paul Leonard)

9:15 AM to 12:00 PM: **Regulatory Environment & Seismic Practice**

(Coffee Break @ 10:30 to 10:50 in Binkley Room)

- State of Alaska Regulation of Winter Operations (Melissa Head) (30 minutes)
- NPRA Regulation of Winter Operations (TBD) (20 minutes)
- Arctic Refuge Management Considerations (Wendy Loya) (20 minutes)

BREAK

- Winter Seismic Operations: equipment, recon, routing, camps, geophysics (Rick Trupp) (30 minutes)
- More on Seismic Practice (Tiffany Carey or alternate) (20 minutes)
- Snow & Ice Roads & Off-road Traffic (Federico Lier) (20 minutes)
- More Snow & Ice Roads (Cruz Construction....not confirmed) (20 minutes)

12:00 PM to 1:00 PM: Snow Measurements

- Measurement tools, techniques and strategies (various people in 5-minute slots)
 - o Depth, density, hardness, strength
 - o Remote sensing (aerial and ground-based)
 - o Heterogeneity and representative measurements

1:00 PM to 2:00 PM: Lunch

**2:00 PM to 5:00 PM: Monitoring Networks, Knowledge Gaps and Climate Change
Panel Discussion with Audience Participation (Panel TBD)**

5:00 PM: Closing Remarks (Matthew Sturm)

5:30 PM: Adjourn

--

Dr. Matthew Sturm
Geophysical Institute
University of Alaska-Fairbanks
907-474-5257
msturm1@alaska.edu

From: [Wendy Loya](#)
To: ["Matthew Sturm"](#); ["Head, Melissa M \(DNR\)"](#)
Cc: ["Charles Parr"](#); [Nichelle \(Shelly\) Jones](#)
Subject: RE: [EXTERNAL] Snow Workshop 9-10 October
Date: Thursday, October 4, 2018 6:12:00 PM

Hi Matthew,

Since the FWS has not had to permit winter tundra travel since the 1980's and BLM has the responsibility for managing the current oil and gas program, on the 2nd day I was planning to talk about the existing environment, including habitat, that FWS and BLM have considered in creating potential management alternatives for exploration and leasing in the 1002 area. No management decisions have been made at this time, so it is a great opportunity to listen to other agencies and industry on ideas, especially about what has worked well.

Thanks, looking forward to the workshop!

Wendy

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: Matthew Sturm <msturm1@alaska.edu>
Sent: Thursday, October 4, 2018 1:32 PM
To: Head, Melissa M (DNR) <melissa.head@alaska.gov>; Wendy Loya <wendy_loya@fws.gov>
Cc: Charles Parr <cparr4@alaska.edu>; njones@blm.gov
Subject: [EXTERNAL] Snow Workshop 9-10 October

Dear Wendy and Melissa (plus Shelly):

We are going through the final arrangements for the *Arctic Refuge Snow Workshop* next week (October 9 and 10) at Pike's Waterfront Lodge in Fairbanks to ensure an interesting and productive meeting.

We have on the agenda that you will be speaking on Day 2 in the morning, each for about 20 minutes, about the existing regulatory environment for winter operations on State and Federal lands on the North Slope, or management considerations (in the case of USFWS) in ANWR. **Shelly:** *we currently lack a speaker who can address the same topic for the NPRA and would welcome a suggested speaker.* The goal of this section is to understand from a recent historical context how these northern lands have been managed with respect to snow and off-

road travel. Of particular interest to workshop participants would be the ways in which State and Federal management intersect due to transiting. It would also be useful to discuss what we know and what we ought to know about how those prior management considerations have impacted the landscape and northern ecosystem.

We will have a computer and projector at the meeting and would plan to load your slides from a memory stick at 8:00 AM before the sessions start. There will be breakfast available at that time.

Please confirm by email that you understand and are comfortable with your charge. Let me know if you have any questions about either your part of the meeting or the meeting in general. Looking forward to seeing you there.

Thanks.

Matthew Sturm (msturm1@alaska.edu)(on behalf of the organizers)

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Dr. Matthew Sturm
Geophysical Institute
University of Alaska-Fairbanks
907-474-5257
msturm1@alaska.edu

From: [Wendy Loya](#)
To: "[Matthew Sturm](#)"
Subject: RE: [EXTERNAL] Snow Workshop 9-10 October
Date: Thursday, October 4, 2018 6:24:00 PM

I will definitely talk about all 5 purposes, and agree it can be a productive, positive conversation. I know industry operating in NPRA is invested in helping with the science needed to protect resources, so hopefully we can have an engaging conversation.

See you at 10am on Monday at ACRC!
Wendy

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: Matthew Sturm <msturm1@alaska.edu>
Sent: Thursday, October 4, 2018 4:19 PM
To: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: [EXTERNAL] Snow Workshop 9-10 October

That all sounds good, but I was struck with the fact that by law the USFWS has mandates to manage to other purposes (I think 4 other?) as well. It would be good for people to understand the various considerations that have to be balanced in these management decisions, and I don't think these need to be presented in a confrontational way. For example, a river crossing ice road could thicken the ice to where the fish cannot pass, but you have to consider the impact of that latter effect as well as the need to get to a location.

Let's meet for tea/coffee at Alaska Coffee roasters...how about 10 AM Monday?

Matthew

On 10/4/18 4:12 PM, Wendy Loya wrote:

Hi Matthew,

Since the FWS has not had to permit winter tundra travel since the 1980's and BLM has the responsibility for managing the current oil and gas program, on the 2nd day I was planning to talk about the existing environment, including habitat, that FWS and BLM have considered in creating potential management alternatives for exploration and leasing in the 1002 area. No management decisions have been made at this time, so it

is a great opportunity to listen to other agencies and industry on ideas, especially about what has worked well.

Thanks, looking forward to the workshop!

Wendy

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: Matthew Sturm <msturm1@alaska.edu>
Sent: Thursday, October 4, 2018 1:32 PM
To: Head, Melissa M (DNR) <melissa.head@alaska.gov>; Wendy Loya <wendy_loya@fws.gov>
Cc: Charles Parr <cparr4@alaska.edu>; njones@blm.gov
Subject: [EXTERNAL] Snow Workshop 9-10 October

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be breakfast available at that time.

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Thanks.

Matthew Sturm (msturm1@alaska.edu)(on behalf of the organizers)

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907-474-5257
msturm1@alaska.edu

--

Dr. Matthew Sturm
Geophysical Institute
University of Alaska-Fairbanks
907-474-5257
msturm1@alaska.edu

From: [Wendy Loya](#)
To: [Amee Howard](#); [Socheata Lor](#)
Cc: [Tracy Fischbach](#); [Ryan Mollnow](#); [Drew Crane](#); [Ronnie Sanchez](#)
Subject: DRAFT updated Arctic 1002 Briefing due Oct 9th
Date: Friday, October 5, 2018 1:09:00 PM
Attachments: [10.04.2018 Arctic Coastal Plain 1002.docx](#)

Hi All,

Attached is a draft of my suggested briefing update for the 1002. I have added the snow workshop (since it is designed to be collaborative with BLM, State of AK and Industry) and from Gil's Porcupine Management Board update from the RDT notes this week. If those aren't appropriate, feel free to delete.

Deadline to DC is Tuesday for Thursday briefing.

Thanks, welcome your feedback,
Wendy

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: Howard, Amee <amee_howard@fws.gov>
Sent: Thursday, October 4, 2018 11:37 AM
To: Socheata Lor <socheata_lor@fws.gov>
Cc: Tracy Fischbach <tracy_fischbach@fws.gov>; Wendy Loya <wendy_loya@fws.gov>; Ryan Mollnow <ryan_mollnow@fws.gov>; Drew Crane <drew_crane@fws.gov>; Ronnie Sanchez <ronnie_sanchez@fws.gov>
Subject: Re: Arctic and Izembek

Hi All,
Here is what I have. The most current ones that were uploaded to DTS by Lucy.

Thanks so much!
Amee

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

From: **Matson, Noah** <noah_matson@fws.gov>
Date: Thu, Oct 4, 2018 at 11:32 AM
Subject: Re: Arctic and Izembek
To: "Lor, Socheata" <socheata_lor@fws.gov>

COB Tuesday if possible. Steve needs them for Thursday.
Thanks!

Noah

On Thu, Oct 4, 2018 at 11:33 AM Lor, Socheata <socheata_lor@fws.gov> wrote:

Hi,

See Noah's notes. I attempted to update the IZM BP but need the Arctic one. Attached are the most current that I have. We have the 400 pg. summary of comments. Wendy, can you update the next steps with the EIS and the seismic EA?

I don't know when he needs it. Waiting to hear back from him.

Thank you!

Soch

~~~~~  
*Socheata Lor, Ph.D.  
Deputy Assistant Regional Director - Region 7  
National Wildlife Refuge System  
U.S. Fish and Wildlife Service  
1011 E. Tudor Road  
Anchorage, AK 99503  
Office: 907.786.3420  
Cell: 907.891.6194*  
~~~~~

----- Forwarded message -----
From: **Matson, Noah** <noah_matson@fws.gov>
Date: Thu, Oct 4, 2018 at 9:55 AM
Subject: Arctic and Izembek
To: "Lor, Socheata" <socheata_lor@fws.gov>

Hi Soch,

I have a request for talking points on current status of Arctic and Izembek for Steve Guertin. Do you have anything off the shelf?

Thanks

Noah Matson
Acting Chief, Division of Natural Resources and Conservation Planning
National Wildlife Refuge System
U.S. Fish and Wildlife Service
noah_matson@fws.gov
(703) 358-2660

--

Amee Howard

Congressional and State Liaison

U.S. Fish & Wildlife Service

Anchorage, Alaska

Office: (907)786-3509

Mobile: (907)229-8575

[Get Inspired](#)

From: [Wendy Loya](#)
To: [Greg Siekaniec](#); [Karen Clark](#); [Bud Cribley \(bud_cribley@fws.gov\)](#)
Cc: [Mary Colligan](#); [Socheata Lor](#); [Doug Damberg](#); [Sara Boario](#); [Steve Berendzen](#); [Drew Crane](#); [John Trawicki](#); [Joanna Fox](#); [Ryan Mollnow](#)
Subject: 1002 updates for 10/5/18
Date: Friday, October 5, 2018 2:22:00 PM

Hi 1002 RDT and POCs,

We had a small but mighty team assembled today for 1002 updates, so here are notes for those of you that could not make it:

BLM AK will brief the Deputy Secretary on the Leasing DEIS on 10/11 at 9am. If given the go ahead to publish, they are prepared to release it on approximately 10/19 for a 45 day comment period. Public meetings would follow starting at least 2 weeks later, not including Thanksgiving week. The format is likely to be open house, with Subject Matter Experts (SMEs) available to answer questions. BLM expects their internal team and the contractors to handle most of that, but they are planning on at least 2 FWS staff attending each meeting and have saved seats on the charter flights; Steve B would likely be one and desire is for another from RO, as we did for scoping meetings. There may be up to 2 more seats for SMEs from FWS. More info and discussion as the schedule and format evolves.

Greg will brief the Deputy Secretary next week in DC on Friday 10/12, along with Jim Kurth, Bud and others. Patrick and Mary are part of the pre-briefing briefing ☺.

Sec 106 consultation on Leasing EIS has begun/continued, and BLM is proposing that a Programmatic Agreement (PA) be used to lay out the pathway for compliance given that an areawide survey is not feasible and it is unknown where development will occur. If this pathway is chosen, then the PA would include the requests from the villages for what should be considered and it would be part of the ROD. FWS would likely be a signatory to the PA, the development of which has been subcontracted to Steven R Braund & Associates, who have been working on the subsistence sections of the DEIS.

The 1002 FOIA group met on Thursday 10/4 and made progress: 1) Maria will set up a meeting with team and solicitor to define pathway forward on what is released; 2) Tracy has drafted a timeline for accomplishing tasks; 3) Maria will set up weekly team meetings so we can all work together and stay updated.

The ANWR Snow Workshop is next Tues and Weds in Fairbanks. The agenda is below. I will be speaking on the 2nd day in general terms about the landscape and wildlife/habitat data that has informed our input regarding meeting all 5 purposes of the Refuge.

AGENDA
ANWR Snow Workshop, Fairbanks, Alaska October 9-10, 2018

0000009006

Pikes Waterfront Lodge

DAY 1 (October 9, 2018)

8:00 AM: Breakfast & Registration

9:00 AM: Welcome (M. Sturm)

9:15 AM: Participant Introductions ('round the room)

9:30 AM: Land Management Needs and Challenges (Joanna Fox (USFWS): Shelly Jones (BLM))

9:45 AM: History of Exploration & Oil Exploration, North Slope, Alaska (Matthew Sturm)

10:00 AM to 1:00 PM

ANWR & the 1002 Area: Comparisons to the NPRA

(Coffee Break @ 10:30 to 10:50 in Binkley Room)

- Topography and physiography (M. Macander) (30 minutes)
- Hydrology (M. Whitman; confirmation pending) (10 minutes)

BREAK

- Vegetation (Tim Cater) (30 minutes)
- Winter Climate/regional (Rick Thoman) (30 minutes)
- Winter Climate/local (Frank Urban) (20 minutes)
- Cultural & Economic Setting (Vince Matthews; pending) (25 minutes)

1:00 PM to 2:00 PM: Lunch

2:00 PM to 3:30 PM: The Nature of the Arctic Snow Cover

- The seasonal pattern of snow build-up and drifting (Frank Urban & Matt Macander)
- The resulting stratigraphy, properties and what it means (Matthew Sturm)
- Scaling and snow: spatial variations in depth, density and other properties (Charles Parr)

3:30 PM to 3:50 PM: Coffee Break, Binkley Room

3:50 PM to 5:30 PM: Snow and Vehicles

- The physics of shearing, compaction, rutting (Jerry Johnson)
- Snow as protection of tundra vs. inhibitor of frost penetration (Matthew Sturm)
- Practical results from vehicle tests: operational considerations (Tim Cater)

6:00 PM to Dinner at Pikes

DAY 2 (October 10, 2018)

8:00 AM: Breakfast & Registration

9:00 AM: Recap from Day 1 (Paul Leonard)

9:15 AM to 12:00 PM: Regulatory Environment & Seismic Practice

(Coffee Break @ 10:30 to 10:50 in Binkley Room)

- State of Alaska Regulation of Winter Operations (Melissa Head) (30 minutes)

- NPRA Regulation of Winter Operations (TBD) (20 minutes)
- Arctic Refuge Management Considerations (Wendy Loya) (20 minutes)

BREAK

- Winter Seismic Operations: equipment, recon, routing, camps, geophysics (Rick Trupp) (30 minutes)
- More on Seismic Practice (Tiffany Carey or alternate) (20 minutes)
- Snow & Ice Roads & Off-road Traffic (Federico Lier) (20 minutes)
- More Snow & Ice Roads (Cruz Construction....not confirmed) (20 minutes)

12:00 PM to 1:00 PM: Snow Measurements

- Measurement tools, techniques and strategies (various people in 5-minute slots)
 - o Depth, density, hardness, strength
 - o Remote sensing (aerial and ground-based)
 - o Heterogeneity and representative measurements

1:00 PM to 2:00 PM: Lunch

2:00 PM to 5:00 PM: Monitoring Networks, Knowledge Gaps and Climate Change
Panel Discussion with Audience Participation (Panel TBD)

5:00 PM: Closing Remarks (Matthew Sturm)

5:30 PM: Adjourn

Let me know if you have any questions, and have a great weekend!

Wendy

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](#)
To: [John Trawicki](#); [Steve Berendzen](#); [Mary Colligan](#); [Joanna Fox](#); [Doug Damberg](#); [Sarah Conn](#); [Stephanie Brady](#); [Eric Taylor](#); [Drew Crane](#); [Joshua Rose](#); [Socheata Lor](#)
Subject: Cancelled today: FWS_Arctic Refuge_Weekly_POC_Updates
Date: Wednesday, October 10, 2018 2:54:00 PM

Sorry for the late notice, but today's 1002 POC meeting is cancelled. Many of us are in the Snow Workshop in Fairbanks, others are out of town. I will provide an update on the Leasing EIS briefing by BLM to DS Bernhardt after our call with BLM on Thursday.

The snow workshop is going well, good conversation between scientists, industry and agencies.

Cheers,
Wendy

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)

-----Original Appointment-----

From: john_trawicki@fws.gov <john_trawicki@fws.gov>
Sent: None
To: john_trawicki@fws.gov; wendy_loya@fws.gov; steve_berendzen@fws.gov; mary_colligan@fws.gov; joanna_fox@fws.gov; doug_damberg@fws.gov; sarah_conn@fws.gov; stephanie_brady@fws.gov; eric_taylor@fws.gov; drew_crane@fws.gov; joshua_rose@fws.gov; socheata_lor@fws.gov
Subject: FWS_Arctic Refuge_Weekly_POC_Updates
When: Wednesday, October 10, 2018 1:00 PM-2:00 PM (UTC-09:00) Alaska.
Where: FWS-FW7 NWRS Conference Room/Regional Office

Agenda and call in for weekly Meeting

Rolling agenda and notes in Google Docs:

<https://docs.google.com/document/d/1xmo2N2wn5jqdGaORCldQ29gTvWb93TaTJCIL5BqsXm0/edit>

Join by Vidyo to Refuges Conference Room

or call in **b5 - CIP** passcode: **b5 - CIP**

-::~::~:- Please do not edit this section of the description. This event has a Google Hangouts video call. Join: https://plus.google.com/hangouts/_/doi.gov/john-trawicki?hceid=am9obl90cmF3aWNraUBmd3MuZ292.2034q2628vr62c1vdi53122lia&hs=121 -

From: [Wendy Loya](#)
To: [Greg Siekaniec](#); [Karen Clark](#); [Bud Cribley \(bud_cribley@fws.gov\)](mailto:bud_cribley@fws.gov); [Mary Colligan](#); [Socheata Lor](#); [Doug Damberg](#); [Steve Berendzen](#); [Joanna Fox](#); [Joshua Rose](#); [John Trawicki](#); [Drew Crane](#)
Subject: BLM reports that Draft Leasing EIS will not be released on original scheduled date
Date: Thursday, October 11, 2018 3:03:00 PM

Hi 1002 team,

Just a quick update without a lot of details. Nicole Hayes at BLM was part of the briefing on the Coastal Plain Leasing Draft EIS for the Deputy Secretary today, and reported back that the draft needs more work and is not ready to go out mid-October as was originally targeted. There is not an update on the anticipated timeline, but we'll keep in touch on next steps are and how to support BLM in making further improvements.

Thanks,
Wendy

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

From: [Wendy Loya](#)
To: [Bud Cribley \(bud_cribley@fws.gov\)](mailto:bud_cribley@fws.gov)
Subject: Polar Bear denning density for north slope
Date: Thursday, October 11, 2018 3:15:00 PM
Attachments: [Denning_Map_wholeSBS.jpg](#)

Hi Bud,

You had asked if there was information on denning density for the entire north slope, and I was able to obtain the attached map. Although not included on the map, data source is: USGS polar bear den catalogue, restricted to dens on land that were detected with either GPS or VHF telemetry (to avoid bias of areas with increased human detection of polar bears), with data from mid-80s to 2010.

Sincerely,
Wendy

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

907.227.2942 (mobile)

From: Kahn, Lynnda <lynnda_kahn@fws.gov>

Sent: Thursday, October 11, 2018 8:09 AM

To: Wendy Loya <wendy_loya@fws.gov>

Subject: Seismic EA update

Hi Wendy, I'm on a National Energy Team teleconference with Pat O'Dell and he asked me for an update on the Arctic seismic exploration EA. I've been in Texas

b6

[REDACTED].....

Any way, I haven't seen anything in all the emails I'm going through right now, so if you could provide an update on the seismic EA, we'd appreciate it.

Thanks Wendy.

Lynnda

Lynnda Kahn | Fish & Wildlife Biologist

Kenai National Wildlife Refuge

P.O. Box 2139 | Soldotna, AK 99669

(907) 260-2818

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From: [Leonard, Paul](#)
To: [Wendy Loya](#)
Subject: Potential Sites
Date: Monday, October 15, 2018 11:33:33 AM
Attachments: [Capture.PNG](#)

--

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

From: [Decleva, Edward](#)
To: [Wendy Loya](#)
Cc: [Fox, Joanna](#); [Steve Berendzen](#)
Subject: Re: BLM meeting on Sec 106 for Arctic Refuge Coastal Plain
Date: Tuesday, October 16, 2018 7:55:53 AM

Hi Wendy,

Thank you for the information. I am supposed to be directly involved in Section 106 matters that affect the USFWS as the Regional Director relies on the expertise of my position during development of Section 106 compliance instruments - so, yes, I will attend. If you or someone else is going I would like to ride along. Otherwise, please provide the conference room location.

Thank you, Ed

Edward J. DeCleva
Regional Historic Preservation Officer
U.S. Fish and Wildlife Service, Alaska Region
1011 E Tudor Rd, MS-235
Anchorage, AK 99503

edward_decleva@fws.gov
907-786-3399

On Mon, Oct 15, 2018 at 2:47 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Ed,

BLM is hoping to issue a Programmatic Agreement with USFWS as a signer for addressing Sec 106 compliance for the Coastal Plain Leasing EIS (I may be misusing some terms given I am not familiar with this regulation). My understanding is that this would lay out the process and tribal concerns that need to be addressed when there is a proposed action (not sure if that includes an actual lease sale or refers to exploration and development activities).

BLM is holding a meeting tomorrow morning 930-1030am to start the conversation on this, and I am wondering if you would like to join the call or attend at BLM in person, and help guide our engagement through the process, if appropriate.

Let me know what you think, I am around today until 4pm at x3532 or after that by email or cell 227-2942.

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: Wendy Loya
To: Miriam (Nicole) Hayes
Cc: ghans@fws.gov
Subject: Re: Coastal Plain Oil and Gas Leasing Program - Development of a Program PA
Date: Tuesday, October 16, 2018 9:22:11 AM

Nicole,

Ed Deleva will be attending the meeting as our Sec 106 representative.

Ed-see link to meeting agenda below.

See you soon,

Wendy

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

On Oct 16, 2018, at 07:16, Miriam (Nicole) Hayes <mnhayes@blm.gov> wrote:

This event has been changed with this note:
"Meeting agenda attached"

Title: Coastal Plain Oil and Gas Leasing Program - Development of a Program PA
To discuss BLM's proposed path forward for development of a Programmatic Agreement for compliance with Section 106 of the NHPA for the Coastal Plain Leasing Program EIS. If this time will not work, please advise as soon as possible. An agenda will be forthcoming. Thank you!
When: Tue Oct 16, 2018 9:30am – 10:30am Alaska Time - Anchorage
Where: BLM AK State Office - Kodiak A or Teleconference: **b5-CIP**
passcode: **b5-CIP** BLM-AK SO Kodiak A Room

Video call: **b5-CIP**

Calendar: wendy_loya@fws.gov

Who:

- * mnhayes@blm.gov - organizer
- * jake_wades@arbak.com
- * tmcculloch@schp.gov
- * rking@blm.gov
- * judy_bittner@alaska.gov
- * steve_brendansen@fws.gov
- * paul.lavrence@arbak.com
- * stephen_braund@arbak.com
- * wendy_loya@fws.gov
- * jkenney@blm.gov
- * chad_ruckelshaus@empfi.com

Attachments:

- * 10_16_18_Signatories_Meeting_Agenda.pdf - https://drive.google.com/a/blm.gov/file/d/1C3J0FSevdajKy2JYNCJXZi6c7RS5qg/view?usp_drive_web

Event details:

b5-CIP

Invitation from Google Calendar: <https://www.google.com/calendar/>

You are receiving this email at the account wendy_loya@fws.gov, because you are subscribed for updated invitations on calendar wendy_loya@fws.gov.

To stop receiving these emails, please log in to <https://www.google.com/calendar/>, and change your notification settings for this calendar.

Forwarding this invitation could allow any recipient to modify your RSVP response. Learn more at <https://support.google.com/calendar/answer/37135#forwarding>

<meeting.ics>

From: [Hanson, Heather](#)
To: [Heather Hanson](#)
Bcc: wendy_loya@fws.gov
Subject: USFWS Alaska Fish Passage Design Guidelines - Updated 16 October 2018
Date: Tuesday, October 16, 2018 1:25:21 PM
Attachments: [Culvert Design Guidelines 16 Oct 2018.pdf](#)

Hi All,

Attached are the latest Alaska Fish Passage Program Design Guidelines. The main changes in this revision are the addition of a "Special Conditions" section with design recommendations for relic channels, wetland complexes, and sloughs. In addition, we have added information on riparian connectivity. There are also minor clarifications throughout the document.

I have attempted to capture all of our internal and external partners in fish passage work in Alaska on this distribution list. Please let me know if you prefer not to receive updates.

We will continue to update this on a periodic basis as needed.

Thanks much,

Heather Hanson, P.E.
Fish Passage Engineer
Office Tel: 907-271-1630
Cell: 907-891-3765

U.S. Fish and Wildlife Service
4700 BLM Road
Anchorage, AK 99507-2546

From: [Wilson, Heather](#)
To: [Martin, Kate](#); [Neesha Stellrecht](#); todd.sformo@north-slope.org; brian.person@north-slope.org; robert.suydam@north-slope.org; [Tim Obritschkewitsch](#); [Bob Ritchie](#); [John Shook](#); [John Pearce](#); [Paul Flint](#); [Joel A Schmutz](#); [Ward, David](#); [Amundson, Courtney](#); [Todd Sanders](#); [Steve Olson](#); mweaver@dfg.ca.gov; [Spragens, Kyle A \(DFW\)](#); [Chris Nicolaj](#); [Petrula, Michael J \(DFG\)](#); [Schamber, Jason L \(DFG\)](#); "Tyler Lewis (ADFG)"; "Tasha DiMarzio (ADFG)"; [Joshua Dooley](#); [Wendy Lova](#); [Christopher Latty](#); "ARLIS"; [Rebecca Bentzen](#); brandon.s.reishus@state.or.us; [Joseph Sands](#); [Andre Breault](#); [Debbie Nigro](#); [Amal Ajmi](#); [Sullender, Benjamin](#); [Smith, Melanie A](#); [Boario, Sara](#)
Cc: [Julian Fischer](#); [Michael Swaim](#); [Charles Frost](#); [Dennis Marks](#); [Debbie Groves](#); [Bradley Shults](#); [Heather Wilson](#); [David Safine](#); [Erik Osnas](#); [Bob Stehn](#); [Taylor, Eric](#); [Bill \(hm\) Larned](#); [Williams, Alison](#); [Richard Lanctot](#); [Patty Schwalenberg](#)
Subject: Arctic Coastal Plain Breeding Waterbird Survey 1986-2017
Date: Tuesday, October 16, 2018 5:37:03 PM
Attachments: [Wilson \(Larned Swaim\) 2018 ACP Report 1986-2017.pdf](#)

Attached please find:

Wilson, H. M., W. W. Larned, and M. A. Swaim. 2018. Abundance and Trends of Waterbird Breeding Populations on the Arctic Coastal Plain, Alaska 1986-2017. U.S. Fish and Wildlife Service, Migratory Bird Management, Anchorage, Alaska. Unpublished Report. 47 pp.

This report serves to update abundance and trend information for the Arctic Coastal Plain Breeding Waterbird Survey through 2017.

Special thanks to Deb Nigro (BLM) and Jason Schamber (ADFG) for their support of the survey and to all those that assisted with preparation and implementation of the survey, as well as report review.

Please distribute as you see fit, and contact us with any questions. We hope to have the report available soon on our website [Alaska Region Migratory Bird Management - Waterfowl Reports](#).

Thank you!

Heather

Heather Wilson
Wildlife Biologist/Pilot
U.S. Fish & Wildlife Service
Migratory Bird Management
1011 E. Tudor Rd.
Anchorage, AK 99503
o: (907) 786-3831
c: (907) 306-7152

From: [Conn, Sarah](#)
To: [Wendy Loya](#); [Crane, Drew](#)
Cc: [Sarah Conn](#); [Brown, Randy](#)
Subject: Fwd: [EXTERNAL] BPXA 2019 GBP Seismic Fish Habitat Permit
Date: Monday, October 22, 2018 10:40:35 AM
Attachments: [FH18-III-0207 BPXA PBU 3D Seismic.pdf](#)

Hi Wendy, Randy, and Drew,

I didn't send this to the broader group but do pass it along if there are other folks who may be interested.

Sarah

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

From: **Henszey, Bob** <bob_henszey@fws.gov>
Date: Wed, Oct 17, 2018 at 5:09 PM
Subject: Fwd: [EXTERNAL] BPXA 2019 GBP Seismic Fish Habitat Permit
To: Jimmy Fox <jimmy_fox@fws.gov>, Mitch Osborne <mitch_osborne@fws.gov>
Cc: Conn, Sarah <sarah_conn@fws.gov>

fyi. Sarah, not sure if the 1002 folks would be interested in how ADF&G permits seismic programs, so I included you.

Robert J. Henszey, Ph.D.
Branch Chief
Conservation Planning Assistance
US Fish & Wildlife Service
101 12th Avenue, Room 110
Fairbanks, AK 99701
Phone: 907-456-0323, Fax: 907-456-0208
Bob_Henszey@fws.gov

"Water Always Wins," Dr. Who 2009.11.15

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

From: **Winters, Jack F (DFG)** <jack.winters@alaska.gov>
Date: Wed, Oct 17, 2018 at 3:20 PM
Subject: [EXTERNAL] BPXA 2019 GBP Seismic Fish Habitat Permit
To: Collins, Jennifer <Jennifer.Collins@bp.com>
Cc: Wessel, Maria L (DFG) <maria.wessel@alaska.gov>, Scanlon, Brendan P (DFG) <brendan.scanlon@alaska.gov>, bob_henszey <bob_henszey@fws.gov>, Blanche, Paul M (DNR) <paul.blanche@alaska.gov>, Hyun, James J (DNR) <james.hyun@alaska.gov>, Baird, Becky (DNR) <becky.baird@alaska.gov>, Maher, Kimberley (DNR) <kimberley.maher@alaska.gov>, Seay, Kathryn J (DPS) <kathryn.seay@alaska.gov>, gordon.brower@north-slope.org <gordon.brower@north-slope.org>, Enochs, Clif V (DNR) <clif.enochs@alaska.gov>, Ott, Alvin G (DFG) <al.ott@alaska.gov>, Head, Melissa M (DNR) <melissa.head@alaska.gov>, NOAA Fisheries <HCD.Anchorage@noaa.gov>, DFG,

DSF PermitCoordinator (DFG sponsored) <dfg.dsf.permitcoordinator@alaska.gov>, Rodgers, Justin C (DPS) <justin.rodgers@alaska.gov>, Valentine, Daniel G (DPS) <daniel.valentine@alaska.gov>, Bump, David J (DPS) <david.bump@alaska.gov>

Attached is an ADF&G fish habitat permit issued to BP Exploration (Alaska) Inc. for a winter 3D seismic program in the area from Kuparuk to Endicott.

From: [Lanctot, Richard](#)
To: [Wendy Loya](#)
Subject: draft EIS for 1002 leases
Date: Monday, October 22, 2018 1:21:14 PM

Hi Wendy,

Any word on when the EIS will be released?

Thanks, 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
Cell: 907-440-9733
E-mail: richard_lanctot@fws.gov

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

From: [Cribley, Bud](#)
To: [Wendy Loya](#)
Subject: Re: Info from 1002 Snow Workshop in Fairbanks Oct 9-10th
Date: Monday, October 22, 2018 2:19:00 PM

Wendy,

Thank you for sharing. It looks like it was a very useful workshop. I wish I could have attended. There was a lot of history and background information that was covered that would have been good to be exposed to for future work up there. In short some really "cool" stuff.

b5-DP

Will there be any summary of the closing group discussions?

We can discuss on the phone on Thursday if you would like. I'm out Tuesday and Wednesday.

Sorry for being a pest!

Bud

On Fri, Oct 19, 2018 at 4:20 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Hi 1002 team,

Presentations and information shared at the 1002 Snow Workshop can be found at this link. If you open the Report of Meeting on the upper right hand menu, a meeting summary with links to presentations pops up. Lots of good information in Melissa Head's DNR presentation at the start of Day 2 with regards to how the State works with industry on tundra opening and regulation of vehicles/activities.

<https://sites.google.com/alaska.edu/anwrsnowmeeting/home>

Paul Leonard or I can try to answer any questions you have,

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)

--

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

From: [Hayes, Miriam \(Nicole\)](#)
To: [Tom McCulloch](#); judy.bittner@alaska.gov; sarah.meitl@alaska.gov; [Faith C Martineau \(DNR\)](#); [Wendy Loya](#); [Edward Decleva](#); [Joseph Keeney](#); [Robert \(Bob\) King](#)
Cc: Jake.Anders@srbak.com; [Stephen Braund](#); [Paul Lawrence](#)
Subject: Draft Oct. 25 Meeting Agenda, PA Objectives and Scope, and Consultation Plan
Date: Tuesday, October 23, 2018 9:33:08 AM
Attachments: [10_25_18_Consulting_Parties_Meeting_Agenda_10-22-18.docx](#)
[Coastal PA Objectives Scope and Consultation Plan 10_23_18.docx](#)

Good morning,

Attached is a draft agenda for the meeting on Thursday and a draft PA objective and scope, as well as timeline. Please provide any comments you may have by NOON TOMORROW (October 24th) so that I may get the attachments out to the consulting parties before the meeting on Thursday.

Thank you,
Nicole

From: [Hayes, Miriam \(Nicole\)](#)
To: [Tom McCulloch](#); judy.bittner@alaska.gov; [Faith C Martineau \(DNR\)](#); sarah.meitl@alaska.gov; [Wendy Loya](#); [Edward Decleva](#)
Cc: [Robert \(Bob\) King](#); [Joseph Keeney](#); coastalplainAR@empai.com; [Nichelle \(Shelly\) Jones](#)
Subject: Signed Consultation letters for your records
Date: Tuesday, October 23, 2018 9:53:10 AM
Attachments: [Signed 106 ltr VVC.pdf](#)
[Signed 106 ltr AVC.pdf](#)
[Signed 106 ltr NVK.pdf](#)
[Signed 106 ltr NVVTG.pdf](#)
[Signed 106 ltr KIC.pdf](#)
[Signed 106 ltr NSB.pdf](#)
[Signed 106 ltr City of Kaktovik.pdf](#)
[Signed 106 ltr ASRC.pdf](#)

Nicole Hayes

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From: [Decleva, Edward](#)
To: [Wendy Loya](#)
Cc: [Marino, Eugene](#)
Subject: Re: Debriefing
Date: Thursday, October 25, 2018 1:14:31 PM

Hi Wendy,

It wouldn't hurt for us to go ahead and talk with them to sort out (or begin the discussion) the roles of our two agencies for ARPA, NAGPRA and museum property curation responsibilities.

Edward J. DeCleva
Regional Historic Preservation Officer
U.S. Fish and Wildlife Service, Alaska Region
1011 E Tudor Rd, MS-235
Anchorage, AK 99503

edward_decleva@fws.gov
907-786-3399

On Thu, Oct 25, 2018 at 11:11 AM Wendy Loya <wendy_loya@fws.gov> wrote:

Let me know if you have any questions or thoughts and we can open the phone line again at BLM

Dr. Wendy M. Loya
Arctic Program Coordinator
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[907.227.2942](tel:907.227.2942) (mobile)

From: [Marcia Rickey](#)
To: [Leonard, Paul](#)
Cc: [Wendy Loya](#); [Hayes, Miriam \(Nicole\)](#); [Amy Lewis](#)
Subject: RE: FW: [EXTERNAL] ArcGIS Pro data from FWS for Alternatives Snow geese Coastal
Date: Thursday, October 25, 2018 1:57:50 PM
Attachments: [Pages from CCP_04_CH4_AffectEnv.pdf](#)

Thanks Paul and Wendy. We will include the Snow Goose CCP map because it is the best available and relevant data. We won't include my/BLM's snow goose map with FWS flock count GIS.

Nicole, if you agree, we'll have one map in the maps section of Appendix A that has a different format (see attached). Or we could make this a "figure" and instead include in the back/figure part of Appendix A. That would require re-numbering.

Marcia Rickey

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From: Leonard, Paul <paul_leonard@fws.gov>
Sent: Wednesday, October 24, 2018 5:46 PM
To: Marcia Rickey <marcia.rickey@empsi.com>
Cc: Wendy Loya <wendy_loya@fws.gov>
Subject: Re: FW: [EXTERNAL] ArcGIS Pro data from FWS for Alternatives Snow geese

Hi Marcia

I ran this down a bit. As I mentioned in email from a few weeks ago, the CCP data should be the most useful.

Here are the details - the two spatial products were derived from some of the same survey data but cover different periods and survey efforts.

They depict slightly different things.

1. The CCP map is depicting simple frequency of occurrence using survey data from 1973-2004 (this uses all survey information available regardless of survey type). Details on all survey types and how they were adjusted for use are available in CCP Volume 1 4-80
2. The other map is depicting 'use' - categorically from occurrence- using survey data 1982-1993. These data are all from aerial flock counts. I have attached a .pdf from the authors that describes this data product. It is a chapter from the larger report here:
<https://alaska.usgs.gov/products/pubs/2002/2002-USGS-BRD-BSR-2002-0001.pdf>

In Summary, the CCP map is the most updated current information/analysis.

I hope this helps.

Cheers,
Paul

On Tue, Oct 23, 2018 at 3:53 PM Marcia Rickey <marcia.rickey@empsi.com> wrote:

Hi Paul,

I just saw you were online. Two weeks ago I sent the question below, which at the time we were right about to publish and you were in meetings all week. The Coastal publication date was delayed. Did you find out anything about why the extent and categories are different from the GIS data and the CCP map? This is for documentation purposes.

Thanks!

Marcia Rickey

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Thanks Paul and Wendy (and Christopher).

We are sending BLM a revised Coastal DEIS Thursday. I will remove the text that I copied from the CCP map and just show the density data. I think then the map will be correct, just slightly less descriptive.

We are preparing the public DEIS October 12 (but map PDFing will stop on the **10th** due to production and web compliance). Paul, if get a break during the workshop next week Wendy mentioned and are able to email me the insight on the extent and symbology, I will revise the map and get it in the DEIS. Thanks!

From: Marcia Rickey

Sent: Tuesday, October 2, 2018 9:31 AM

To: Paul Leonard <paul_leonard@fws.gov>

Cc: Hamfler, Cindy <chamfler@blm.gov>; Amy Lewis <amy.lewis@empsi.com>; Hayes, Miriam (Nicole) <mnhayes@blm.gov>; Alex Dierker <alex.dierker@empsi.com>

Subject: RE: FW: [EXTERNAL] ArcGIS Pro data from FWS for Alternatives Snow geese

Hi Paul,

In our internal review of the Coastal Plain maps/admin DEIS, the bird resource author had some questions I wasn't able to answer. I've attached the snow goose map that we included in internal 20180913 draft EIS sent to BLM/Nicole and I've attached the snow goose map from the CCP. A couple questions on these maps, or would you let me know if there is someone else who might

know? Thanks!

1. The extents are different (the CCP map extends to the western edge of I002, but the data you sent extents about halfway to the west of I002)
2. There are 6 categories of number of flocks on the CCP map, but the data just have high-medium-low. I think this might be because the data were generalized since publication of the CCP?
3. On the Coastal EIS map, I added text similar to the text on the CCP map, is that correct, or would there be better descriptive text to use?

Thanks!

Marcia Rickey

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On Tue, Jul 17, 2018 at 4:38 PM Leonard, Paul <paul_leonard@fws.gov> wrote:

Please find additional information on potential species of interest.

- Snow Goose Density Estimates per CCP
- The Barrier Island Waterbirds data was collected opportunistically and does include a handful of records for the LTDU
- The Yellow-billed Loon data should be the same information that BLM already has but is also included.
- The Eider information - there have been several efforts through the years to sample for nesting eiders and I don't think this dataset represents all information but it is what is currently available.

https://drive.google.com/file/d/1247ENG8_qWomAGLLHqx26TvRPQwR2B7t/view?usp=sharing

Let me know if you have concerns and/or questions.

On Fri, Jul 13, 2018 at 10:44 AM, Marcia Rickey <marcia.rickey@empsi.com> wrote:

Hi Paul,

Please see the attached shorebirds map from the CCP. Is this data you'd be able to provide?

Also, can you confirm that you don't have data for the following: staging areas of shorebirds, staging areas for long-tailed ducks, and staging areas for loons. I've

reviewed the BLM's version of the ACP data and didn't see it there.

thanks!

Marcia Rickey

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Wendy

Dr. Wendy M. Loya,

Arctic Program Coordinator

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From: [Hayes, Miriam \(Nicole\)](#)
To: [Faith C Martineau \(DNR\)](#); sarah.meitl@alaska.gov; [Wendy Loya](#); [Tom McCulloch](#); [Edward Decleva](#); [Joseph Keenev](#); [Sarah LaMarr](#); [Robert \(Bob\) King](#); Jake.Anders@srbak.com; [Stephen Braund](#)
Subject: DRAFT NOTES from yesterday
Date: Friday, October 26, 2018 11:44:34 AM
Attachments: [10_25_18_Consulting_Parties_Meeting_notes.docx](#)

Please feel free to add/edit. I know I didn't capture everyone accurately so please add if you have those names.

Comments back TODAY would be great so I can distribute to the consulting parties!

Thank you,

Nicole

Nicole Hayes

Project Coordinator

Bureau of Land Management

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Cell: (907) 290-0179

From: [Wendy Loya](#)
To: [Nicole Hayes](#)
Subject: Please add new FWS employee to PA invite
Date: Tuesday, October 30, 2018 10:31:00 AM

Hi Nicole,

Rita Miraglia has joined USFWS to help Ed Decleva in his work as a Historic Preservation Officer. She will serve as backup on the Coastal Leasing EIS PA if Ed is not available for some meetings.

Can you please add her to your list and the invite for Thursday?

rita_miraglia@fws.gov

Thank you,
Wendy

Dr. Wendy M. Loya
Arctic Program Coordinator
US Fish and Wildlife Service, Office of Science Applications
Anchorage, Alaska
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From: [Wilson, Ryan](#)
To: [Wendy Loya](#)
Cc: [Patrick Lemons](#); [Leonard, Paul](#); [Christopher Putnam](#)
Subject: Re: GIS files for possible SAE exploration area
Date: Thursday, November 1, 2018 4:46:53 PM
Attachments: [southern.dbf](#)
[southern.prj](#)
[southern.cpg](#)
[southern.shp](#)
[southern.shx](#)

Here ya go!

On Thu, Nov 1, 2018 at 2:25 PM Wendy Loya <wendy_loya@fws.gov> wrote:

Yep, all we need is the southern boundary, don't need anything else.

Dr. Wendy M. Loya

Arctic Program Coordinator

US Fish and Wildlife Service, Office of Science Applications

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From: Lemons, Patrick <patrick_lemons@fws.gov>

Sent: Thursday, November 1, 2018 1:54 PM

To: Wendy Loya <wendy_loya@fws.gov>

Cc: Ryan Wilson <ryan_r_wilson@fws.gov>; Paul Leonard <paul_leonard@fws.gov>; Christopher Putnam <Christopher_Putnam@fws.gov>

Subject: Re: GIS files for possible SAE exploration area

Hi Wendy,

We don't typically share an applicants materials prior to publication in the Federal Register, although we're trying to change that. If I recall correctly, I also believe those maps and GIS files were identified as proprietary by SAE. That being said, we could probably tell you where the southern boundary is without having to share the GIS files, if that will work for you. I've cc'd Christopher here as well just in case he has concerns.

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Let us know if that works for you and we'll go from there.

Patrick

On Thu, Nov 1, 2018 at 12:22 PM, Wendy Loya <wendy_loya@fws.gov> wrote:

Hi Patrick,

Paul Leonard is leading the effort to establish snow monitoring sites for ensuring there is adequate snow cover to support seismic operations, with support from BLM who will make the call on tundra opening and closing. Many of our original planned site installations appear to be outside of the proposed project area shown in SAE's last proposed exploration area. While I understand there is not a final plan yet, it would be helpful to have an understanding of the likely southern boundary for seismic this winter.

Can Ryan have permission to share the GIS files from SAE with Paul Leonard for informing our snow monitoring site determination?

Thank you,

Wendy

Dr. Wendy M. Loya

Arctic Program Coordinator

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Ryan Wilson, Ph.D., Certified Wildlife Biologist ®
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1011 E. Tudor Rd., MS341
Anchorage, AK 99503

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

From: [Wendy Loya](#)
To: [Nichelle \(Shelly\) Jones](#); ["Edward Decleva"](#)
Cc: ["rita_miraglia@fws.gov"](#); [Steve Berendzen](#)
Subject: Sec 106 for Arctic Refuge Seismic EA: FWS contacts
Date: Friday, November 2, 2018 12:08:00 PM

Hi Shelly,

I understand that BLM will be offering to conducting Sec 106 consultation for the Seismic EA. FWS is working with BLM/Nicole Hayes on the Sec 106 Programmatic Agreement for the Leasing EIS, so I wanted to make sure that I looped the FWS Historic Preservation Officer (Ed DeCleva) and our Archaeologist (Rita Miraglia) in on the EA Sec 106 as well. I couldn't find Ed to ask him to reach out to your directly (or even if he really needed to), so this email serves an introduction so you all can collaborate as needed.

Thank you,
Wendy

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